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TRANSMITTAL

DATE: December 12, 2012

REFERENCE NO.: 611962D

PROJECT NAME: Former Chevron Station 92506

TO: Mr. Mark Detterman, PG, CEG
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Please find enclosed:
- ☐ Draft
- ☐ Originals
- ☐ Prints
- ☒ Final
- ☐ Other

Sent via:
- ☒ Mail
- ☐ Overnight Courier
- ☐ Same Day Courier
- ☐ Other

QUANTITY	DESCRIPTION
1	Low-Threat Closure Request

- ☐ As Requested
- ☐ For Your Use
- ☒ For Review and Comment
- ☐
- ☐

COMMENTS:

Copy to: Mr. Steve Simi

Completed by: James Kiernan [Please Print]

Signed:

Filing: **Correspondence File**

RECEIVED
By Alameda County Environmental Health at 5:49 pm, Dec 13, 2012

Brian Waite
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 790-6486
BWaite@Chevron.com

December 12, 2012

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

Re: Chevron Facility # 92506

Address: 2630 Broadway, Oakland, CA

I have reviewed the attached report titled *Low-Threat Closure Request* and dated December 12, 2012.

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

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

I declare under penalty of perjury that the foregoing is true and correct.

Sincerely,

Brian A. Waite

Digitally signed by Brian A. Waite
DN: cn=Brian A. Waite, o=Chevron Environmental Management Company, ou=Marketing Business Unit, email=BWaite@chevron.com, c=US
Date: 2012.12.11 15:45:24 -08'00'

Brian Waite
Project Manager

Enclosure: Report

LOW-THREAT CLOSURE REQUEST

FORMER CHEVRON SERVICE STATION 92506
2630 BROADWAY
OAKLAND, CALIFORNIA
CASE NO. RO0000146

Prepared For:

Mr. Mark Detterman, P.G., C.E.G.
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DECEMBER 12, 2012
REF. NO. 611962 (8)

LOW-THREAT CLOSURE REQUEST

FORMER CHEVRON SERVICE STATION 92506
2630 BROADWAY
OAKLAND, CALIFORNIA
CASE NO. RO0000146

Benjamin R. Summersett

James P. Kiernan, P.E.

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DECEMBER 12, 2012
REF. NO. 611962 (8)

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1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) is submitting this *Low-Threat Closure Request* for former Chevron Service Station 92506 located at 2630 Broadway in Oakland, California (site) on behalf of Chevron Environmental Management Company (Chevron). The site meets the general and media-specific criteria specified in the recently enacted *Low-Threat Underground Storage Tank Case Closure Policy* (the "*Low-Threat Policy*") and should be closed. The *Low-Threat Policy* was established by the State Water Resources Control Board (SWRCB) (via Resolution 2012-0016) to control water quality and provide standard statewide closure criteria for low threat underground storage tank (UST) sites that are subject to Chapter 6.7 of Division 20 of the Health and Safety Code and Chapter 16 of Division 3 of Title 23 of the California Code of Regulations, and became effective August 17, 2012. The site description and background, an updated conceptual site model (CSM), an evaluation of site conditions to the *Low-Threat Policy* case closure criteria, and our conclusions and recommendations are presented herein.

2.0 SITE DESCRIPTION AND BACKGROUND

The site is located on the southeast corner of Broadway and 27th Street (Figure 1), and is currently a paved parking lot occupied by a car sales facility (Audi of Oakland). There are no permanent structures onsite and it is completely covered with asphalt pavement. Land use in the site vicinity is primarily commercial. The site is bounded by 27th Street to the northeast, Broadway to the northwest, 26th Street to the southwest, and a vacant building and parking area used by another auto dealership to the southeast (Figure 2). The site is part of a larger parcel that includes the vacant building and adjacent parking area.

The site appears to have been used as a service station from the early 1960s to 1998. Based on historical Sanborn maps, the site previously was occupied by a hospital from at least 1903 through 1911; maps dated 1950 and 1952 showed the site as occupied by a used car sales/service facility. The first UST reportedly was installed at the site in 1962. The most recent station facilities included three 10,000-gallon fiberglass gasoline USTs, a 1,000-gallon fiberglass used-oil UST, associated fiberglass product piping, four dispenser islands, and a station building with two hydraulic hoists (Figure 2). The station and all aboveground and belowground facilities were removed in 1998, and the site has since remained a paved lot.

3.0 CONCEPTUAL SITE MODEL (CSM)

On September 28, 2006, Cambria Environmental Technology, Inc. (now CRA) submitted a *Workplan for Additional Investigation* that included a CSM. Information from this and other reports is used to update the CSM for the site in the sections below.

3.1 SITE GEOLOGY AND HYDROGEOLOGY

A mixture of coarser-grained (sandy clay with gravel, clayey to silty sand, and sandy to gravelly silt) and finer-grained materials (clay to sandy clay) was generally encountered from just below the ground surface to a depth of 10 to 15 feet below grade (fbg). At approximately 10 to 20 fbg, interbedded layers of gravelly sand, sand, and gravel mixed with sandy clay and clayey to silty sand were encountered. These were underlain by clay and sandy clay to the maximum explored depth of 36 fbg. Fill material including wood, brick, ash, and concrete was encountered in areas beneath the site, and likely was placed during demolition of the former hospital (subsurface concrete floor slabs encountered at 5 to 8 fbg). Copies of the historical boring logs are presented in Appendix A. Geologic cross-sections presenting available information on the subsurface are presented on Figures 4 and 5.

Groundwater was first encountered during drilling at depths ranging from 8 to 28 fbg. Depth to water in the wells has ranged from approximately 2 to 19 feet below top of casing (TOC), but generally fluctuates between 5 and 11 feet below TOC. As discussed in previous reports, the water-bearing zone beneath the site does not appear to be continuous and appears to be at least partially confined. The calculated groundwater flow direction has historically been variable, at gradients between 0.003 to 0.08 (see rose diagram on Figure 2). From 1993 through 1999, the flow direction was predominantly to the northeast; since 1999, following the removal of all station facilities, the flow direction has generally been to the southwest.

3.2 SUMMARY OF PREVIOUS WORK

3.2.1 UST HISTORY

In early 1982, a leak was detected in the UST system. As a result, in April 1982 the existing four steel USTs (two 7,500-gallon and one 4,000-gallon gasoline, and one 550-gallon used-oil) reportedly were replaced with new fiberglass tanks (three 10,000-gallon gasoline and one 1,000-gallon used-oil) and piping. The steel tanks

reportedly had been installed in 1962, 1971, 1974, and 1981. Approximately 20 cubic yards of soil and 2,000 gallons of groundwater were removed and disposed offsite during the work.

In September 1993, a leak was detected in the mid-grade gasoline product line to the east of the USTs. The line was repaired the following day. According to inventory records, the estimated product loss was at most 20 gallons.

In 1998, the station was demolished including removal of the USTs, dispensers, piping, and hydraulic hoists. No holes were observed in the USTs or piping upon removal. After removal of the gasoline USTs, approximately 4,000 gallons of groundwater was pumped from the excavation and disposed offsite. After sampling, the excavated material was used to backfill the excavations. Subsequent over-excavation in the former dispenser areas removed approximately 160 cubic yards of impacted soil.

3.2.2 SITE ASSESSMENT AND REMEDIATION HISTORY

Environmental work has been performed at the site since 1982, and has included the installation of monitoring wells B-1 through B-12 (B-2 and B-4 later destroyed), the drilling of exploratory borings B-13 through B-21, and confirmation sampling during UST, dispenser, piping, and hoist removals. Remedial activities have included over-excavation (approximately 180 cubic yards), groundwater extraction (approximately 6,000 gallons), groundwater oxygenation, and light non-aqueous phase liquid (LNAPL) removal from well B-4 in 1982 and 1983. The approximate well, boring, and soil sample locations and the excavation extents are shown on Figures 2 and/or 3. A more detailed summary of the environmental work is presented in Appendix B. The well construction details are presented in Table 1. The historical soil and grab-groundwater sample analytical results are presented in Tables 2 and 3, respectively. Current and historical groundwater monitoring and sampling data is presented in Appendix C.

3.3 DISTRIBUTION OF RESIDUAL PETROLEUM HYDROCARBONS

3.3.1 SOIL

Based on the historical data (Table 2), the primary constituents of concern (COCs) in soil are total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, and xylenes (BTEX), and methyl tertiary butyl ether (MTBE). Other constituents (TPH

as diesel [TPHd], other fuel oxygenates, lead scavengers, total oil and grease [TOG], and volatile organic compounds [VOCs]) either were not detected or were only detected at low concentrations and therefore are not considered COCs in soil. As discussed in previous reports, the elevated concentrations of lead detected in some soil samples and the detections of semi-VOCs in the area of the former used-oil UST appear due to the impacted fill material/debris encountered in these areas and not to former service station operations.

Based on the analytical results, the extent of soil with residual COCs appears generally limited to the northwest portion of the site in the former gasoline UST and dispenser areas. In the former gasoline UST area, impacts are limited to below 10 fbg, and residual concentrations are low. Remaining COCs in soil at shallower depths in the former piping and dispenser areas are generally low in concentration; the highest concentrations generally were detected in confirmation sample PX7 collected at 9 fbg. Generally, COCs were not detected in the soil samples collected at various depths from the perimeter borings; therefore, the horizontal extent appears adequately defined.

With regards to the vertical extent of the COCs in soil, in the former gasoline UST and dispenser island areas, generally low concentrations of TPHg, benzene, and MTBE were detected in samples collected at 9 and/or 10.5 fbg; the deepest samples from these areas. These samples were collected just above groundwater and thus the depth of soil impact is not expected to extend a significant distance below the groundwater table.

The highest concentrations of the COCs detected in remaining soil in the 0 to 5 fbg and 5 to 10 fbg intervals are presented in Table A below. The TPHg, benzene, and MTBE concentrations in soil are also presented on Figure 6.

TABLE A
MAXIMUM DETECTED COC CONCENTRATIONS
REMAINING IN SOIL
(concentrations in mg/kg)

COC	***Highest Detected Concentration in Soil 0-5 fbg (sample ID; depth; date)***	***Highest Detected Concentration in Soil 5-10 fbg (sample ID; depth; date)***
TPHg	90 (B-9; 5 fbg; 1994)	1,190 (PX7; 9 fbg; 1998)
Benzene	0.22 (P10; 2 fbg; 1998)	ND
Toluene	0.76 (B-9; 5 fbg; 1994)	23.2 (PX7; 9 fbg; 1998)
Ethylbenzene	0.75 (B-9; 5 fbg; 1994)	26.7 (PX7; 9 fbg; 1998)

TABLE A MAXIMUM DETECTED COC CONCENTRATIONS REMAINING IN SOIL (concentrations in mg/kg)		
COC	*Highest Detected Concentration in Soil 0-5 fbg (sample ID; depth; date)*	*Highest Detected Concentration in Soil 5-10 fbg (sample ID; depth; date)*
Xylenes	2.2 (B-9; 5 fbg; 1994)	149 (PX7; 9 fbg; 1998)
MTBE	1.8 (P10; 2 fbg; 1998)	0.637 (PX8; 7 fbg; 1998)

ND = Not detected; reporting limits vary

3.3.2 GROUNDWATER

Groundwater has been monitored since 1993. Based on the monitoring results, and as with soil, the primary COCs remaining in groundwater are TPHg, BTEX, and MTBE. Tertiary butyl alcohol (TBA) has also been detected in several of the onsite wells, indicating the biodegradation of MTBE in the subsurface, and is also a COC. Other fuel oxygenates and lead scavengers generally have not been detected or only low concentrations have been detected and therefore these constituents are not COCs in groundwater.

Historically, elevated concentrations of one or more of the COCs were detected in source area wells B-1, B-3, B-5, B-6, and B-7. However, concentrations in these wells have significantly decreased over the years and only low concentrations of TPHg and/or MTBE remain; TBA concentrations in these wells have also generally decreased. Benzene is only detected in well B-9 located to the south-southwest of the source area; however, the concentrations have decreased and only a low concentration remains. The highest TPHg and MTBE concentrations remain in B-9 and have remained relatively stable over the past several years. The COCs generally have not been detected in perimeter wells B-10, B-11, or B-12 with the exception of periodic low TPHg in B-12. The COCs also generally were not detected in perimeter and downgradient borings B-14 and B-17 through B-20, with the exception of low concentrations of MTBE and/or TBA. Therefore, the extent of the COCs in groundwater appears adequately defined.

A copy of the most recent (second semi-annual 2012) groundwater monitoring and sampling report containing current and historical groundwater monitoring analytical data is presented in Appendix C; the grab-groundwater sample analytical results are presented in Table 3. Iso-concentration maps of TPHg, benzene, and MTBE in groundwater are presented on Figures 7 through 9, respectively.

A comparison of the historical maximum and most recent TPHg, benzene, and MTBE concentrations in the site wells to the associated Water Quality Objectives (WQOs) (Environmental Screening Levels [ESLs], established by the San Francisco Bay Regional Water Quality Control Board [RWQCB] in 2008) is presented in Table B below. Although shallow groundwater in the site area is not currently used as a drinking water source, nor is it likely to be used in the foreseeable future, for conservatism the results were compared to those ESLs applicable to sites where groundwater is a current or potential drinking water resource.

TABLE B
SUMMARY OF MAXIMUM AND MOST RECENT COC CONCENTRATIONS IN GROUNDWATER

	TPHg		***Benzene***		***MTBE****	
Well I.D.	*Maximum Conc. (µg/L)*	*Current Conc. (µg/L)*	*Maximum Conc. (µg/L)*	*Current Conc. (µg/L)*	*Maximum Conc. (µg/L)*	*Current Conc. (µg/L)*
B-1	**28,000** (9/25/96)	<50 (9/14/12)	**740** (9/15/94)	<0.5 (9/14/12)	**9,400** (9/21/01)	3 (9/14/12)
B-3	**11,000** (9/25/96)	**440** (9/14/12)	**1,300** (9/21/95)	<0.5 (9/14/12)	**5,800** (8/30/04)	4 (9/14/12)
B-5	**110,000** (6/10/94)	**160** (9/14/12)	**5,100** (6/10/94)	<0.5 (9/14/12)	1,600 (9/21/01)	5 (9/14/12)
B-6	**15,000** (9/25/96)	<50 (3/28/11)	**900** (9/15/94)	<0.5 (3/28/11)	**2,200** (3/4/05)	4 (3/28/11)
B-7	**1,200** (3/6/97)	<50 (9/14/12)	**26** (4/2/98)	<0.5 (9/14/12)	**33** (8/30/04)	**11** (9/14/12)
B-8	90 (9/25/96)	<50 (9/14/12)	**3.4** (9/9/93)	<0.5 (9/14/12)	**11** (8/21/02)	4 (9/14/12)
B-9	**5,900** (3/29/95)	**2,700** (9/14/12)	**1,500** (9/21/95)	**7** (9/14/12)	**94** (9/1/05)	**29** (9/14/12)
B-10	<50 (1994-2011)	<50 (3/21/12)	<0.5 (1994-2011)	<0.5 (3/21/12)	0.5 (3/12/04)	<0.5 (3/21/12)
B-11	<50 (1994-2011)	<50 (3/21/12)	0.82 (9/15/98)	<0.5 (3/21/12)	ND (2001-2011)	<0.5 (3/21/12)
B-12	**1,380** (3/9/99)	<50 (3/21/12)	**1.2** (4/2/98)	<0.5 (3/21/12)	ND (2001-2011)	<0.5 (3/21/12)
ESL	***100***		***1***		***5***	

<	Indicates constituent was not detected at or above stated laboratory reporting limit
(x/x/xx)	Sample date
ND	Not detected; reporting limits vary
Bold	Detected concentration at or above respective ESL
*	Only results using EPA Method 8260 reported

As shown above, concentrations have significantly decreased in the wells over time from historical maximums. TPHg concentrations in B-3, B-5, and B-9, the benzene concentration in B-9, and MTBE concentrations in B-7 and B-9 exceed the respective ESLs. Degradation trend calculations were performed to estimate when these

constituents would reach the ESLs (Appendix D). Degradation rates were calculated from the most recent maximum concentration following the removal of the Oxygen Release Compound® (ORC) socks from the wells in 2004 to the current concentration (i.e. post-remediation), as this data represents the current trends due to natural attenuation in the wells. The calculations estimate that the constituents will generally reach the ESLs within 10 years. TPHg in B-9 is estimated to reach the ESL by 2057 (45 years). Given the municipal water supply, these are reasonable timeframes. Please note that the calculations predict that MTBE in B-7 has already reached the ESL (February 2012); however, the concentrations have fluctuated below and above the ESL for the past several years, and are expected to reach the ESL within several years.

3.4 SENSITIVE RECEPTORS AND EXPOSURE PATHWAYS

3.4.1 SURFACE WATER

The nearest surface water body is Glen Echo Creek located approximately 400 feet east (crossgradient) of the site. The creek appears to flow in an underground culvert until it discharges into Lake Merritt approximately 1,600 feet southeast of the site.

3.4.2 WATER SUPPLY WELLS

The local water supply is provided by the East Bay Municipal Utility District (EBMUD) imported from the Mokelumne River Basin in the Sierra Nevada range. A well survey identified one irrigation well and a well of unknown use within a ½ mile of the site. The irrigation well is located approximately 2,300 feet south-southeast (crossgradient) of the site. The other well is located approximately 2,000 feet north–northeast (upgradient) of the site. A map showing the identified well locations and a table of the well survey results are presented in Appendix E.

3.4.3 POTENTIAL HUMAN RECEPTORS

The site is currently used for commercial purposes (paved auto parking lot), and is likely to remain in commercial use for the foreseeable future. As the site is capped with asphalt pavement, potential exposure to any residual impacted soil beneath the site by the general public is precluded. In addition, it is highly unlikely that any site workers would be doing any subsurface work; thus, site commercial workers are also not considered potential receptors to impacted soil. Therefore, the only identified potential

human receptors to residual impacted soil under the current land use scenario are construction workers performing trenching or excavating activities.

Given the municipal water supply and the lack of any water supply wells in the site vicinity, there does not appear to be a risk to any potential human receptors due to ingestion of impacted groundwater. Based on the depth to groundwater, it may be encountered during deeper trenching or excavating activities.

As there are no permanent structures on the site, only a portable office trailer raised off the ground surface, there appears to be no vapor intrusion risk to site workers. Based on the groundwater analytical results in the offsite borings, there also does not appear to be any significant vapor intrusion risk to workers in nearby buildings.

3.4.4 SUMMARY OF POTENTIAL EXPOSURE PATHWAYS

Based on the above evaluation, the only potential exposure pathways to residual site COCs are direct exposure to impacted soil and groundwater by construction workers.

4.0 REQUEST FOR LOW-THREAT CLOSURE

On August 17, 2012, the SWRCB adopted the *Low-Threat Policy* via Resolution 2012-0016. The intent of the *Low-Threat Policy* is to increase cleanup process efficiency at petroleum release sites. A benefit of improved efficiency is the preservation of limited resources for mitigation of releases posing the greatest threat to human and environmental health. Per the *Low-Threat Policy*, sites that meet the specified general and media-specific criteria pose a low threat to human health, safety, or the environment and are appropriate for case closure pursuant to Health and Safety Code section 25296.10. The *Low-Threat Policy* further states that those sites that meet the criteria for low-threat closure do not require further corrective action and shall be issued a uniform closure letter. The general and media-specific criteria are described below.

4.1 GENERAL CRITERIA

The eight general criteria that must be satisfied by all candidate sites, and the site-specific evaluation for each of these criteria, are presented below.

a. *The unauthorized release is located within the service area of a public water system.*

Satisfied: As described in Section 3.4.2, water for the site and vicinity is provided by EBMUD from distant surface water sources.

b. *The unauthorized release consists only of petroleum.*

Satisfied: The unauthorized release at the site (attributed to former service station operations) has been characterized as a release of petroleum-based products (gasoline and related constituents, used oil).

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

Satisfied: Petroleum storage and handling equipment that was the potential source of the release (fuel dispensers, product piping, and USTs) were removed from the site by 1998.

d. *Free product has been removed to the maximum extent practicable.*

Satisfied: LNAPL was removed from well B-4 in 1982 and 1983, and has generally not been observed in any wells since. It was reportedly encountered in B-3 during the March 2000 event and 0.4 gallons were removed, but was not observed during the following or any subsequent events in this well.

e. *A conceptual site model that assesses the nature, extent, and mobility of the release has been developed.*

Satisfied: Previous reports and information contained herein contain all elements of a CSM.

f. *Secondary source has been removed to the extent practicable.*

Satisfied: Remedial excavation removed approximately 180 cubic yards of impacted soil from the source areas (Figure 2). Based on decreasing concentrations in groundwater, there does not appear to be any significant residual secondary source material.

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

Satisfied: Soil and groundwater samples have been analyzed for MTBE, and reported in accordance with Health and Safety Code section 25296.15.

h. *Nuisance as defined by Water Code section 13050 does not exist at the site.*

Satisfied: Conditions defined as a "nuisance" in Water Code section 13050 do not exist at the site.

4.2 MEDIA-SPECIFIC CRITERIA

Impacts to human health and the environment can occur due to releases from USTs through contact with contaminated media (groundwater, surface water, soil, and soil vapor) via various exposure pathways. In the *Low-Threat Policy*, the most common exposure scenarios have been combined into three media-specific criteria:

1. Groundwater
2. Vapor Intrusion to Indoor Air
3. Direct Contact and Outdoor Air Exposure

4.2.1 GROUNDWATER-SPECIFIC CRITERIA

It is a fundamental tenet of the *Low-Threat Policy* that if the closure criteria described in the *Low-Threat Policy* are satisfied at an unauthorized petroleum release site, attaining background water quality is not feasible, and applicable WQOs will be attained through natural attenuation within a reasonable amount of time, prior to the expected need for use of any affected groundwater. If a site has groundwater with a designated beneficial use that is affected by an unauthorized release, to satisfy the media-specific criteria for groundwater, the contaminant plume that exceeds WQOs 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 *Low-Threat Policy* as follows:

1. a. The contaminant plume that exceeds WQOs is less than 100 feet in length.
   b. There is no free product.
   c. The nearest existing water supply well or surface water body is greater than 250 feet from the defined plume boundary.
2. a. The contaminant plume that exceeds WQOs is less than 250 feet in length.
   b. There is no free product.
   c. The nearest existing water supply well or surface water body is greater than 1,000 feet from the defined plume boundary.
   d. 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. a. The contaminant plume that exceeds WQOs is less than 250 feet in length.
   b. Free product may be present below the site but does not extend offsite.
   c. The plume has been stable or decreasing for a minimum of 5 years.
   d. The nearest existing water supply well or surface water body is greater than 1,000 feet from the defined plume boundary.

e. The property owner is willing to accept a deed restriction if the regulatory agency requires a land use restriction as a condition of closure.

4. a. The contaminant plume that exceeds WQOs is less than 1,000 feet in length.
   b. There is no free product.
   c. The nearest existing water supply well or surface water body is greater than 1,000 feet from the defined plume boundary.
   d. The dissolved concentration of benzene is less than 1,000 µg/L and the dissolved concentration of MTBE is less than 1,000 µg/L.

5. a. The regulatory agency determines that, based on an analysis of site specific conditions, under current and reasonably anticipated near-term future scenarios, the contaminant plume poses a low threat to human health and safety and to the environment and WQOs will be achieved within a reasonable time frame.

Satisfied: The site satisfies the characteristics of Class 2 above. The petroleum hydrocarbon plume that exceeds WQOs (ESLs) is less than 250 feet in length, there is no LNAPL, the remaining dissolved benzene concentration (7 µg/L) is well below 3,000 µg/L, and remaining dissolved MTBE concentrations (up to 29 µg/L) are well below 1,000 µg/L. Regarding the nearest surface water body, Glen Echo Creek is located approximately 400 feet east of the site, which is within 1,000 feet of the defined plume boundary. However, the intent of the policy is to identify sensitive receptors that are potentially at risk. This creek flows in an underground culvert beneath the city and is located in the crossgradient direction from the site and therefore does not appear to be at risk from the remaining dissolved plume at the site. Lake Merritt, into which the creek discharges, is approximately 1,600 feet southeast (crossgradient) of the site. There are no nearby surface water bodies in the downgradient direction from the site, and thus, none appear to be at risk. Therefore, the site should be considered low-threat for the groundwater-specific criteria.

4.2.2 PETROLEUM VAPOR INTRUSION TO INDOOR AIR

The low-threat vapor intrusion criteria described below apply to sites where the release originated and impacted or potentially impacted adjacent parcels when: (1) existing buildings are occupied or may be reasonably expected to be occupied in the future, or (2) buildings for human occupancy are reasonably expected to be constructed in the future.

Petroleum release sites will satisfy the media-specific screening criteria for petroleum vapor intrusion if:

a. Site-specific conditions at the release site satisfy all of the characteristics and criteria of scenarios 1 through 3 as applicable, or all of the characteristics and criteria of scenario 4 as applicable; or,

b. A site-specific risk assessment for vapor intrusion is conducted and demonstrates that human health is protected to the satisfaction of the regulatory agency; or,

c. The regulatory agency determines there is no significant risk of adversely affecting human health through the use of institutional or engineering controls.

Scenarios 1-4 of criteria (a) (existing building or future construction) are described below.

Scenario 1: Unweathered* LNAPL in Groundwater

- Depth to groundwater with unweathered* LNAPL is ≥30 feet below building foundation.
- Total TPH (TPHg + TPHd) in soil within 30 feet below building foundation is <100 mg/kg.

Scenario 2: Unweathered* LNAPL in Soil

- Unweathered* LNAPL in soil is ≥30 feet from building foundation in all directions, and depth to groundwater is >30 feet below building foundation.
- Total TPH in soil within 30 feet of building foundation in all directions is <100 mg/kg.

Scenario 3A: No LNAPL, dissolved phase benzene in groundwater

- Depth to groundwater is ≥5 feet below building foundation.
- Dissolved benzene in groundwater is <100 µg/L.
- Total TPH in soil within 5 feet below building foundation is <100 mg/kg.
- Oxygen (O_2) concentration in soil within 5 feet below building foundation is <4%, or no O_2 data.

Scenario 3B: No LNAPL, dissolved phase benzene in groundwater

- Depth to groundwater is ≥10 feet below building foundation.
- Dissolved benzene in groundwater is ≥100 µg/L and <1,000 µg/L.
- Total TPH in soil within 10 feet below building foundation is <100 mg/kg.
- O_2 concentration in soil within 10 feet below building foundation is <4%, or no O_2 data.

Scenario 3C: No LNAPL, dissolved phase benzene in groundwater

- Depth to groundwater is ≥5 feet below building foundation.
- Dissolved benzene in groundwater is <1,000 µg/L.
- Total TPH in soil within 5 feet below building foundation is <100 mg/kg.
- O_2 concentration in soil within 5 feet below building foundation is ≥4%.

Scenario 4A: Direct soil gas measurements at 5 fbg or foundation at sites without bioattenuation zone**

	Benzene µg/m³	*Ethylbenzene µg/m³*	*Naphthalene µg/m³*
Residential	<85	<1,100	<93
Commercial	<280	<3,600	<310

µg/m³ – micrograms per cubic meter

Scenario 4B: Direct soil gas measurements at 5 fbg or foundation at sites with bioattenuation zone**

	Benzene µg/m³	*Ethylbenzene µg/m³*	*Naphthalene µg/m³*
Residential	<85,000	<1,100,000	<93,000
Commercial	<280,000	<3,600,000	<310,000

*Unweathered LNAPL is comparable to recently dispensed fuel where product has not been subjected to significant volatilization or solubilization.
**Bioattentuation zone = total TPH <100 mg/kg in upper 5' of soil, and ≥4% oxygen in soil at 5' sample depth; a 1,000-fold bioattenuation of petroleum vapors is assumed for the zone.

Petroleum release sites shall satisfy the media-specific criteria for petroleum vapor intrusion to indoor air and be considered low-threat for the vapor intrusion to indoor air pathway if any of the above criteria are met.

Satisfied: The site satisfies the characteristics of Scenario 3A of criteria (a) listed above in that the depth to groundwater is at least 5 fbg, dissolved benzene is less than 100 µg/L, and total TPH in soil is less than 100 mg/kg in the upper 5 feet.

4.2.3 DIRECT CONTACT AND OUTDOOR AIR EXPOSURE

The *Low-Threat Policy* describes conditions where direct contact with contaminated soil or inhalation of contaminants volatized to outdoor air poses an insignificant threat to human health. Release sites where human exposure may occur satisfy media-specific criteria for direct contact and outdoor air exposure and shall be considered low-threat if they meet any one of the following:

a. Maximum concentrations of petroleum constituents in soil are less than or equal to those listed in the table below for the specified depth below ground surface. The limits from 0 to 5 fbg protect from ingestion, dermal contact, and outdoor inhalation of volatile and particulate emissions. The 5 to 10 fbg limits protect from inhalation of volatile emissions only; the ingestion and dermal contact pathways not considered significant. In addition, if exposure to construction workers or utility trench workers is reasonably anticipated, the concentration limits for Utility Worker shall also be satisfied.

Constituent	*Residential*		*Commercial/Industrial*		*Utility Worker*
	0 – 5 fbg (mg/kg)	*Volatilization to outdoor air (5 – 10 fbg) (mg/kg)*	*0 – 5 fbg (mg/kg)*	*Volatilization to outdoor air (5 – 10 fbg) (mg/kg)*	*0 – 10 fbg (mg/kg)*
Benzene	1.9	2.8	8.2	12	14
Ethylbenzene	21	32	89	134	314
Naphthalene	9.7	9.7	45	45	219
PAH*	0.063	NA	0.68	NA	4.5

* Based on the seven carcinogenic polycyclic aromatic hydrocarbons (PAHs) as benzo(a)pyrene toxicity equivalent [BaPe]. The PAH screening level is only applicable where soil is affected by either waste oil and/or Bunker C fuel.
NA = Not applicable

b. Maximum concentrations of petroleum constituents in soil are less than levels that a site-specific risk assessment demonstrates will have no significant risk of adversely affecting human health.

c. As a result of controlling exposure through the use of mitigation measures or through the use of institutional or engineering controls, the regulatory agency determines that the concentrations of petroleum constituents in soil will have no significant risk of adversely affecting human health.

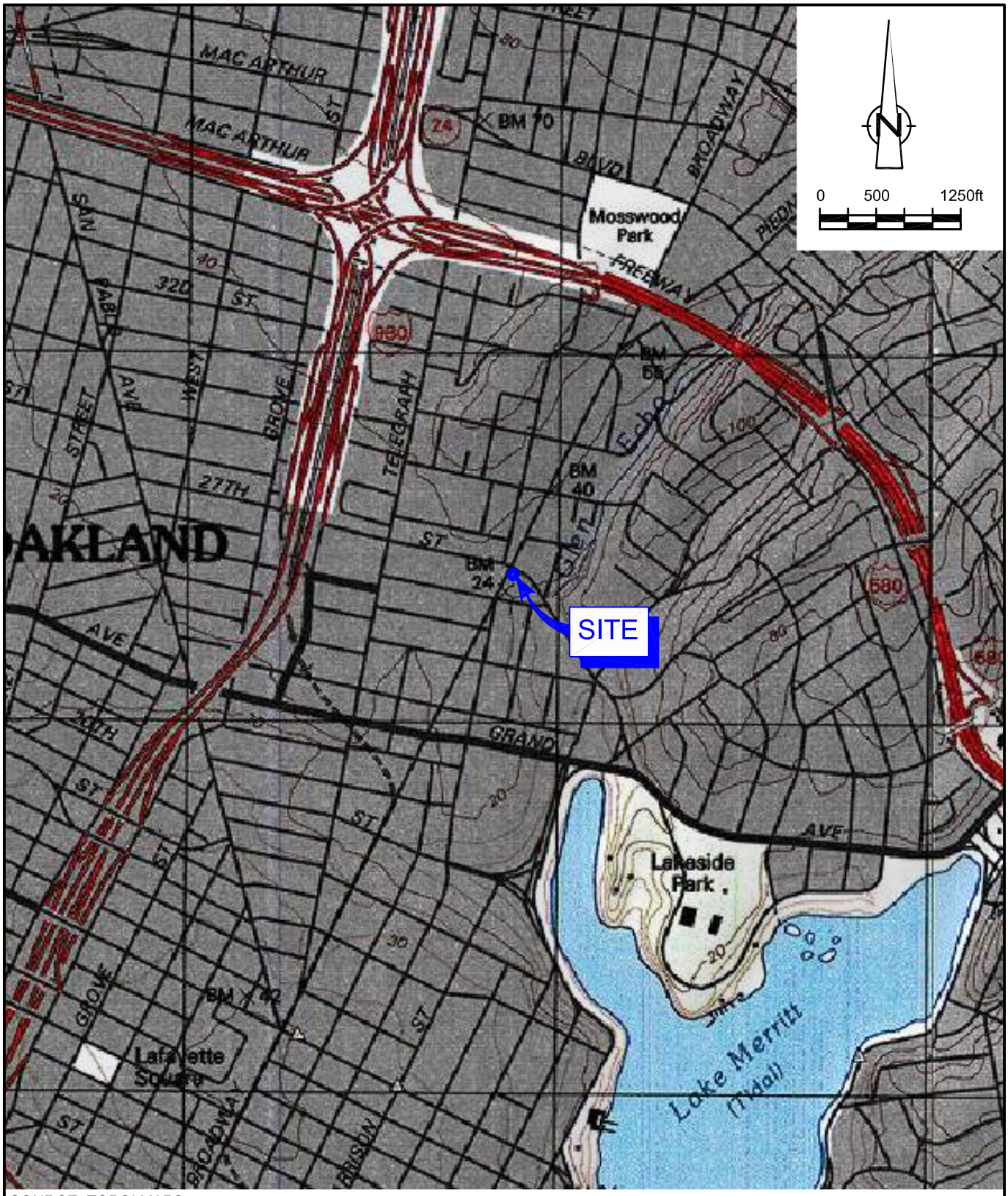
Satisfied: The site meets criteria (a) above. The maximum detected concentrations of benzene and ethylbenzene in soil do not exceed the most conservative (residential) limits for the 0-5 fbg and 5-10 fbg intervals above (see Table 2). Naphthalene was not detected in the soil samples collected at 8 fbg beneath the used-oil UST, or in the stockpile sample collected of soil from the excavation. Although one or more PAH compounds were detected in these samples, as with the elevated lead, the detections are most likely due to the presence of impacted fill and debris in this area. The material encountered included burnt wood, a known source of PAHs. Therefore, the site should be considered low-threat for direct contact and outdoor air exposure.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the information presented in this and previous reports, site conditions meet the general and media-specific criteria of a low-threat UST release case established in the *Low-Threat Policy*, and therefore pose a low threat to human health, safety, and the environment. A completed SWRCB low-threat checklist is presented in Appendix F. The site satisfies the case closure requirements of Health and Safety Code section 25296.10, and case closure is consistent with Resolution 92-49 that requires cleanup goals be met within a reasonable time frame. Therefore, on behalf of Chevron, CRA respectfully requests ACEH grant case closure.

As the impacted groundwater poses no significant threat to human health or the environment, effective immediately, Chevron shall cease groundwater monitoring and sampling activities pending a response and further direction from ACEH.

FIGURES



SOURCE: TOPO! MAPS.

figure 1

VICINITY MAP
FORMER CHEVRON STATION 92506
2630 BROADWAY
Oakland, California

611962-400(008)GN-WA001 NOV 16/2012

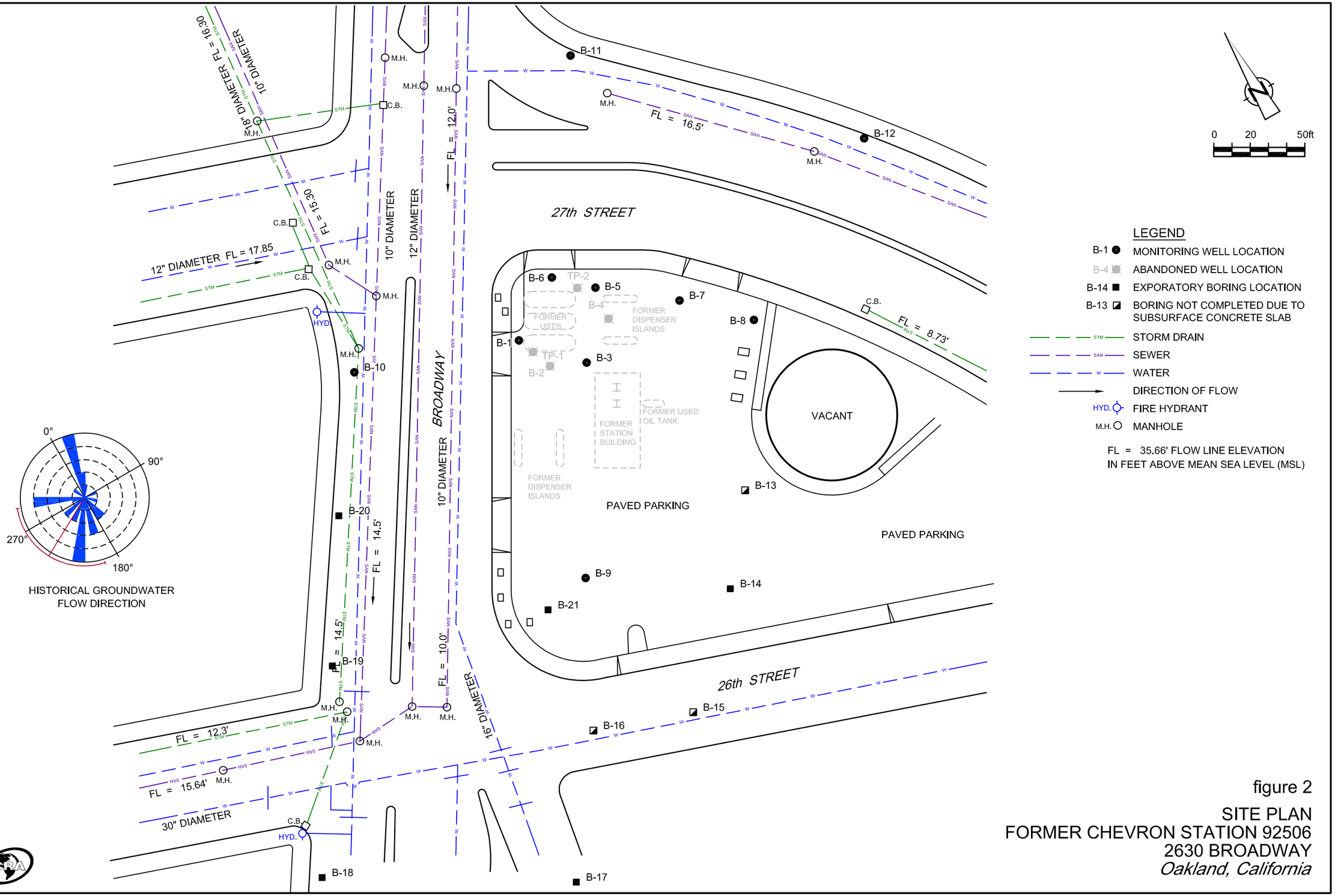


figure 2

SITE PLAN
FORMER CHEVRON STATION 92506
2630 BROADWAY
Oakland, California

611962-400(008)GN-WA002 NOV 16/2012

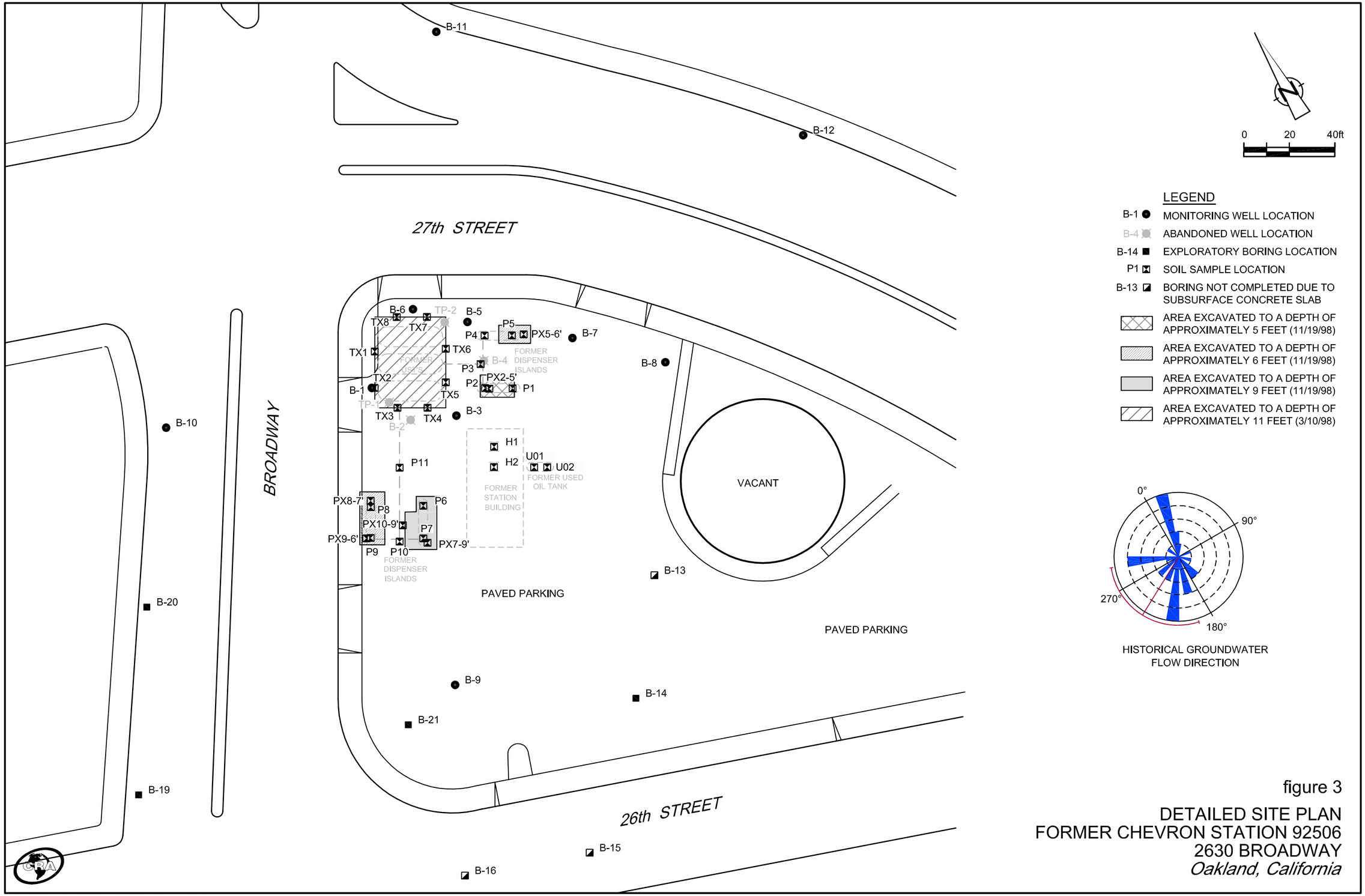
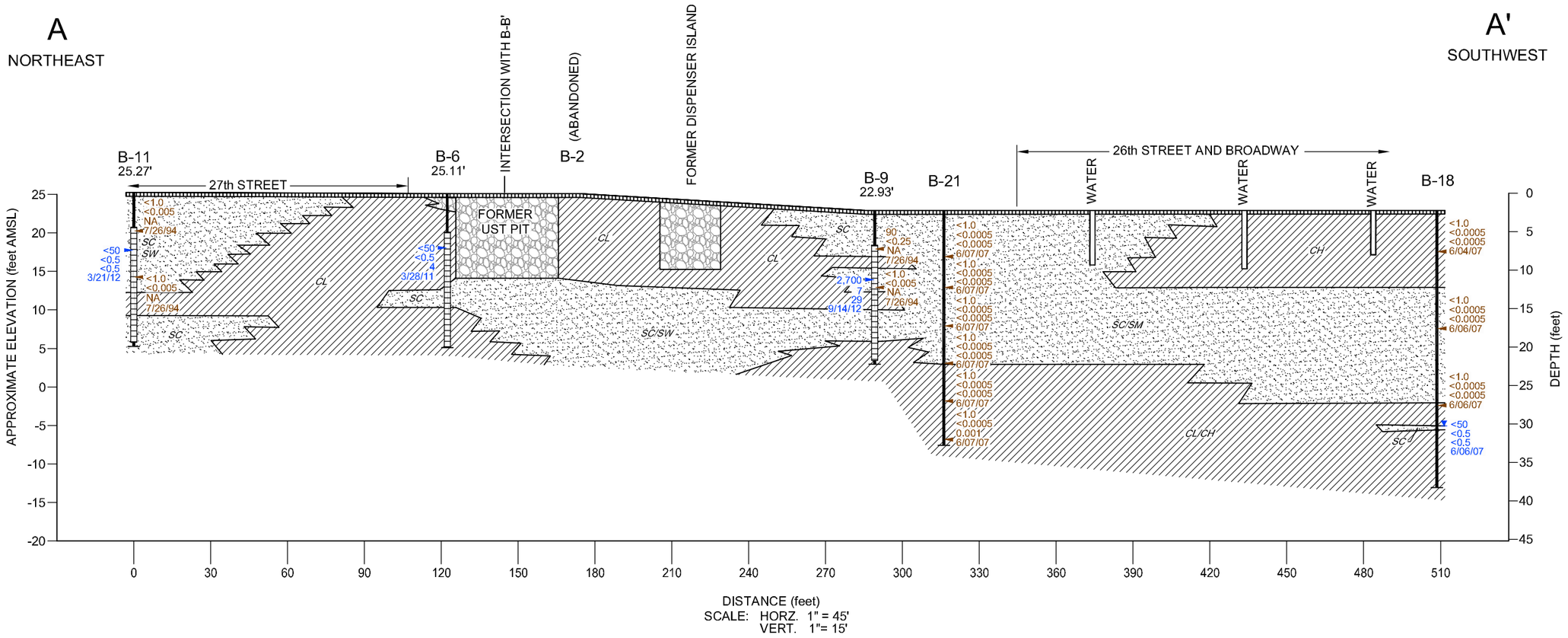
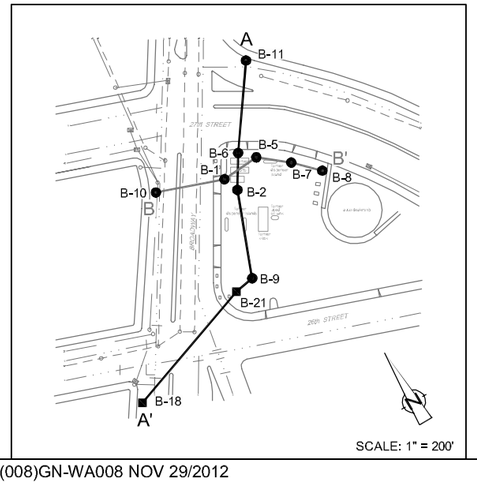


figure 3

DETAILED SITE PLAN
FORMER CHEVRON STATION 92506
2630 BROADWAY
Oakland, California

611962-400(008)GN-WA003 NOV 16/2012





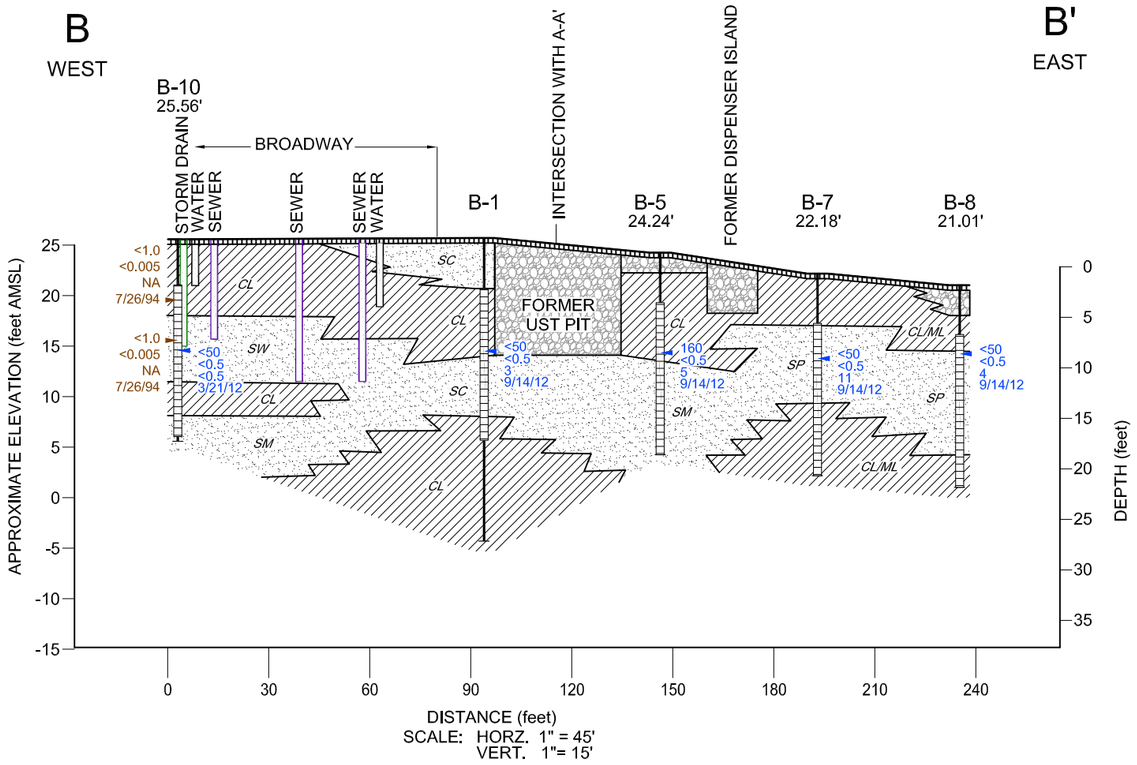
LEGEND

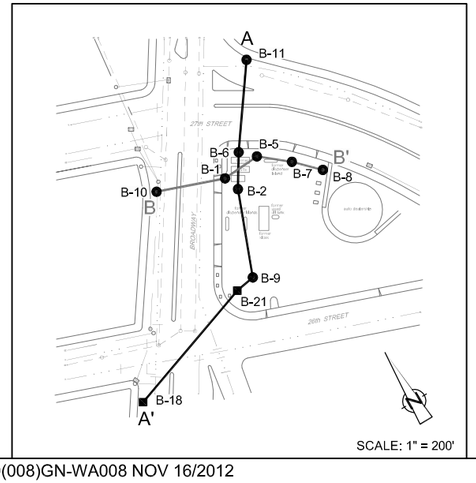
- ASPHALT
- FINE GRAINED SOILS
  - *CH/CL* - CLAY
- COARSE GRAINED SOILS
  - *SP/SW* - GRAVELY SAND
  - *SM* - SILTY SAND
  - *SC* - CLAYEY SAND
- FILL
- APPROXIMATE SOIL SAMPLE LOCATION
  - TPHg / BENZENE / MTBE / DATE — HYDROCARBON CONCENTRATIONS IN SOIL, IN mg/kg
  - NA — NOT ANALYZED
  - < — NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMIT

- WELL ID — WELL OR BORING IDENTIFICATION
- ELEV. — TOP OF CASING ELEVATION
- GROUNDWATER MONITORING WELL OR BORING
  - WELL SCREEN INTERVAL
  - BOTTOM OF BORING
- APPROXIMATE GROUNDWATER SAMPLE LOCATION
  - TPHg / BENZENE / MTBE / DATE — MOST RECENT HYDROCARBON CONCENTRATIONS IN GROUNDWATER, IN µg/L

figure 4

GEOLOGIC CROSS SECTION A-A'
FORMER CHEVRON SERVICE STATION 92506
2630 BROADWAY
Oakland, California



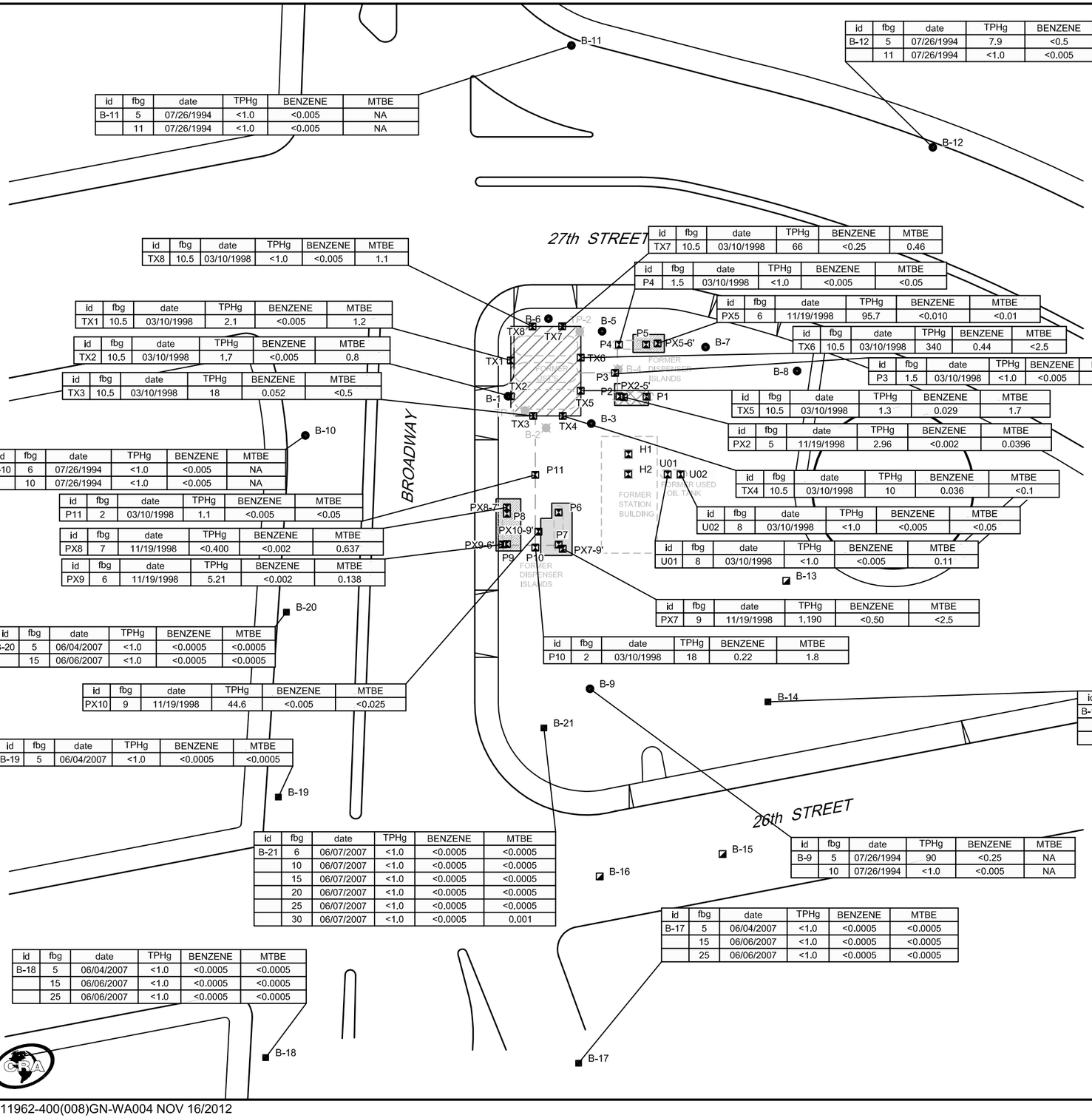


LEGEND

- ASPHALT
- FINE GRAINED SOILS
  - *CH /CL* - CLAY
  - *ML* - SILT
- COARSE GRAINED SOILS
  - *SP/SW* - GRAVELY SAND
  - *SM* - SILTY SAND
  - *SC* - CLAYEY SAND
- FILL
- APPROXIMATE SOIL SAMPLE LOCATION
- TPHg / BENZENE / MTBE / DATE — HYDROCARBON CONCENTRATIONS IN SOIL, IN mg/kg
- NA — NOT ANALYZED
- < — NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMIT
- WELL ID — WELL OR BORING IDENTIFICATION
- ELEV. — TOP OF CASING ELEVATION
- GROUNDWATER MONITORING WELL OR BORING
- WELL SCREEN INTERVAL
- BOTTOM OF BORING
- APPROXIMATE GROUNDWATER SAMPLE LOCATION
- TPHg / BENZENE / MTBE / DATE — MOST RECENT HYDROCARBON CONCENTRATIONS IN GROUNDWATER, IN µg/L

figure 5

GEOLOGIC CROSS SECTION B-B'
FORMER CHEVRON SERVICE STATION 92506
2630 BROADWAY
Oakland, California



id	fbg	date	TPHg	BENZENE	MTBE
B-11	5	07/26/1994	<1.0	<0.005	NA
	11	07/26/1994	<1.0	<0.005	NA

id	fbg	date	TPHg	BENZENE	MTBE
B-12	5	07/26/1994	7.9	<0.5	NA
	11	07/26/1994	<1.0	<0.005	NA

id	fbg	date	TPHg	BENZENE	MTBE
TX8	10.5	03/10/1998	<1.0	<0.005	1.1

id	fbg	date	TPHg	BENZENE	MTBE
TX7	10.5	03/10/1998	66	<0.25	0.46

id	fbg	date	TPHg	BENZENE	MTBE
P4	1.5	03/10/1998	<1.0	<0.005	<0.05

id	fbg	date	TPHg	BENZENE	MTBE
PX5	6	11/19/1998	95.7	<0.010	<0.01

id	fbg	date	TPHg	BENZENE	MTBE
TX1	10.5	03/10/1998	2.1	<0.005	1.2

id	fbg	date	TPHg	BENZENE	MTBE
TX6	10.5	03/10/1998	340	0.44	<2.5

id	fbg	date	TPHg	BENZENE	MTBE
TX2	10.5	03/10/1998	1.7	<0.005	0.8

id	fbg	date	TPHg	BENZENE	MTBE
P3	1.5	03/10/1998	<1.0	<0.005	<0.05

id	fbg	date	TPHg	BENZENE	MTBE
TX3	10.5	03/10/1998	18	0.052	<0.5

id	fbg	date	TPHg	BENZENE	MTBE
TX5	10.5	03/10/1998	1.3	0.029	1.7

id	fbg	date	TPHg	BENZENE	MTBE
PX2	5	11/19/1998	2.96	<0.002	0.0396

id	fbg	date	TPHg	BENZENE	MTBE
B-10	6	07/26/1994	<1.0	<0.005	NA
	10	07/26/1994	<1.0	<0.005	NA

id	fbg	date	TPHg	BENZENE	MTBE
TX4	10.5	03/10/1998	10	0.036	<0.1

id	fbg	date	TPHg	BENZENE	MTBE
P11	2	03/10/1998	1.1	<0.005	<0.05

id	fbg	date	TPHg	BENZENE	MTBE
U02	8	03/10/1998	<1.0	<0.005	<0.05

id	fbg	date	TPHg	BENZENE	MTBE
PX8	7	11/19/1998	<0.400	<0.002	0.637

id	fbg	date	TPHg	BENZENE	MTBE
U01	8	03/10/1998	<1.0	<0.005	0.11

id	fbg	date	TPHg	BENZENE	MTBE
PX9	6	11/19/1998	5.21	<0.002	0.138

id	fbg	date	TPHg	BENZENE	MTBE
PX7	9	11/19/1998	1,190	<0.50	<2.5

id	fbg	date	TPHg	BENZENE	MTBE
P10	2	03/10/1998	18	0.22	1.8

id	fbg	date	TPHg	BENZENE	MTBE
B-20	5	06/04/2007	<1.0	<0.0005	<0.0005
	15	06/06/2007	<1.0	<0.0005	<0.0005

id	fbg	date	TPHg	BENZENE	MTBE
PX10	9	11/19/1998	44.6	<0.005	<0.025

id	fbg	date	TPHg	BENZENE	MTBE
B-19	5	06/04/2007	<1.0	<0.0005	<0.0005

id	fbg	date	TPHg	BENZENE	MTBE
B-14	5	06/04/2007	<1.0	<0.0005	0.002
	15	06/07/2007	<1.0	<0.0005	<0.0005
	22	06/07/2007	<1.0	<0.0005	0.001

id	fbg	date	TPHg	BENZENE	MTBE
B-21	6	06/07/2007	<1.0	<0.0005	<0.0005
	10	06/07/2007	<1.0	<0.0005	<0.0005
	15	06/07/2007	<1.0	<0.0005	<0.0005
	20	06/07/2007	<1.0	<0.0005	<0.0005
	25	06/07/2007	<1.0	<0.0005	<0.0005
	30	06/07/2007	<1.0	<0.0005	0.001

id	fbg	date	TPHg	BENZENE	MTBE
B-9	5	07/26/1994	90	<0.25	NA
	10	07/26/1994	<1.0	<0.005	NA

id	fbg	date	TPHg	BENZENE	MTBE
B-17	5	06/04/2007	<1.0	<0.0005	<0.0005
	15	06/06/2007	<1.0	<0.0005	<0.0005
	25	06/06/2007	<1.0	<0.0005	<0.0005

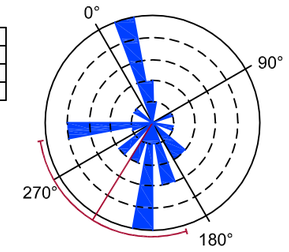
id	fbg	date	TPHg	BENZENE	MTBE
B-18	5	06/04/2007	<1.0	<0.0005	<0.0005
	15	06/06/2007	<1.0	<0.0005	<0.0005
	25	06/06/2007	<1.0	<0.0005	<0.0005

0 20 50ft

LEGEND

- B-1 ● MONITORING WELL LOCATION
- B-4 ✱ ABANDONED WELL LOCATION
- B-14 ■ EXPLORATORY BORING LOCATION
- B-13 ◪ BORING NOT COMPLETED DUE TO SUBSURFACE CONCRETE SLAB
- P1 ⊠ SOIL SAMPLE LOCATION
- AREA EXCAVATED TO A DEPTH OF APPROXIMATELY 5 FEET (11/19/98)
- AREA EXCAVATED TO A DEPTH OF APPROXIMATELY 6 FEET (11/19/98)
- AREA EXCAVATED TO A DEPTH OF APPROXIMATELY 9 FEET (11/19/98)
- AREA EXCAVATED TO A DEPTH OF APPROXIMATELY 11 FEET (3/10/98)
- NA NOT ANALYZED
- < NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMIT

NOTE: CONCENTRATIONS IN mg/kg.



HISTORICAL GROUNDWATER FLOW DIRECTION

figure 6

SOIL CONCENTRATION MAP
FORMER CHEVRON STATION 92506
2630 BROADWAY
Oakland, California

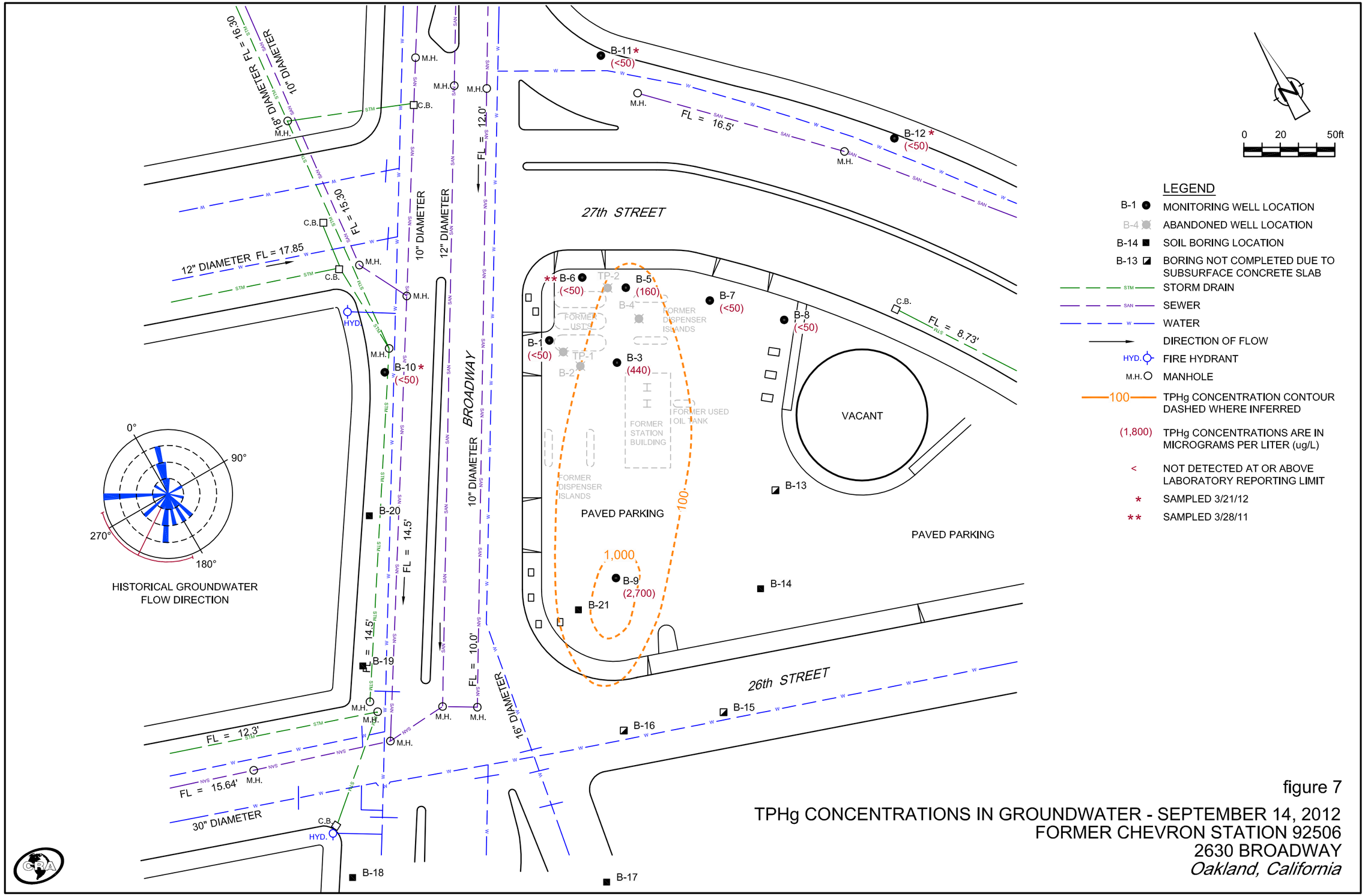


figure 7

TPHg CONCENTRATIONS IN GROUNDWATER - SEPTEMBER 14, 2012
FORMER CHEVRON STATION 92506
2630 BROADWAY
Oakland, California

611962-400(008)GN-WA005 NOV 16/2012

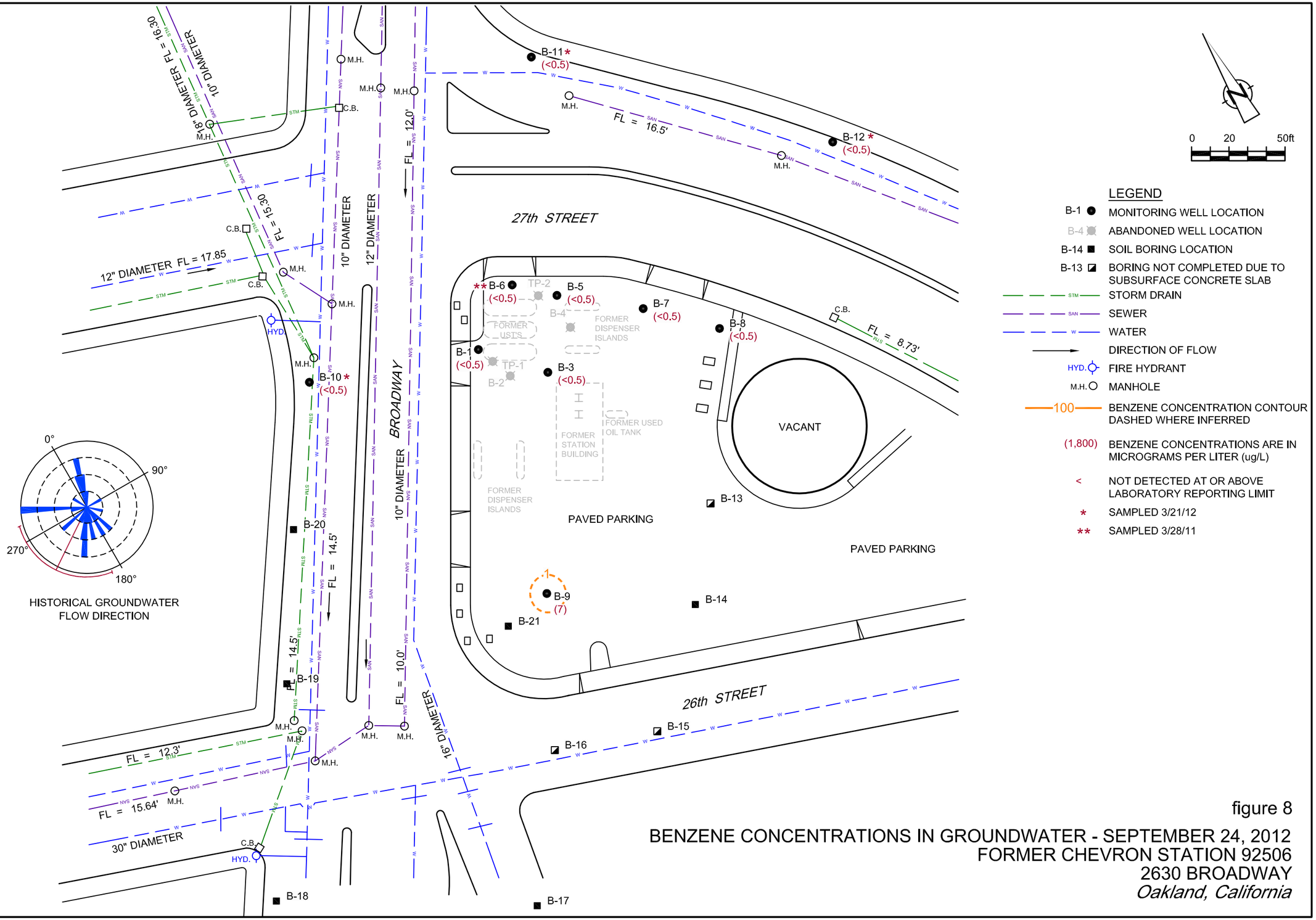


figure 8

BENZENE CONCENTRATIONS IN GROUNDWATER - SEPTEMBER 24, 2012
FORMER CHEVRON STATION 92506
2630 BROADWAY
Oakland, California

611962-400(008)GN-WA006 NOV 16/2012

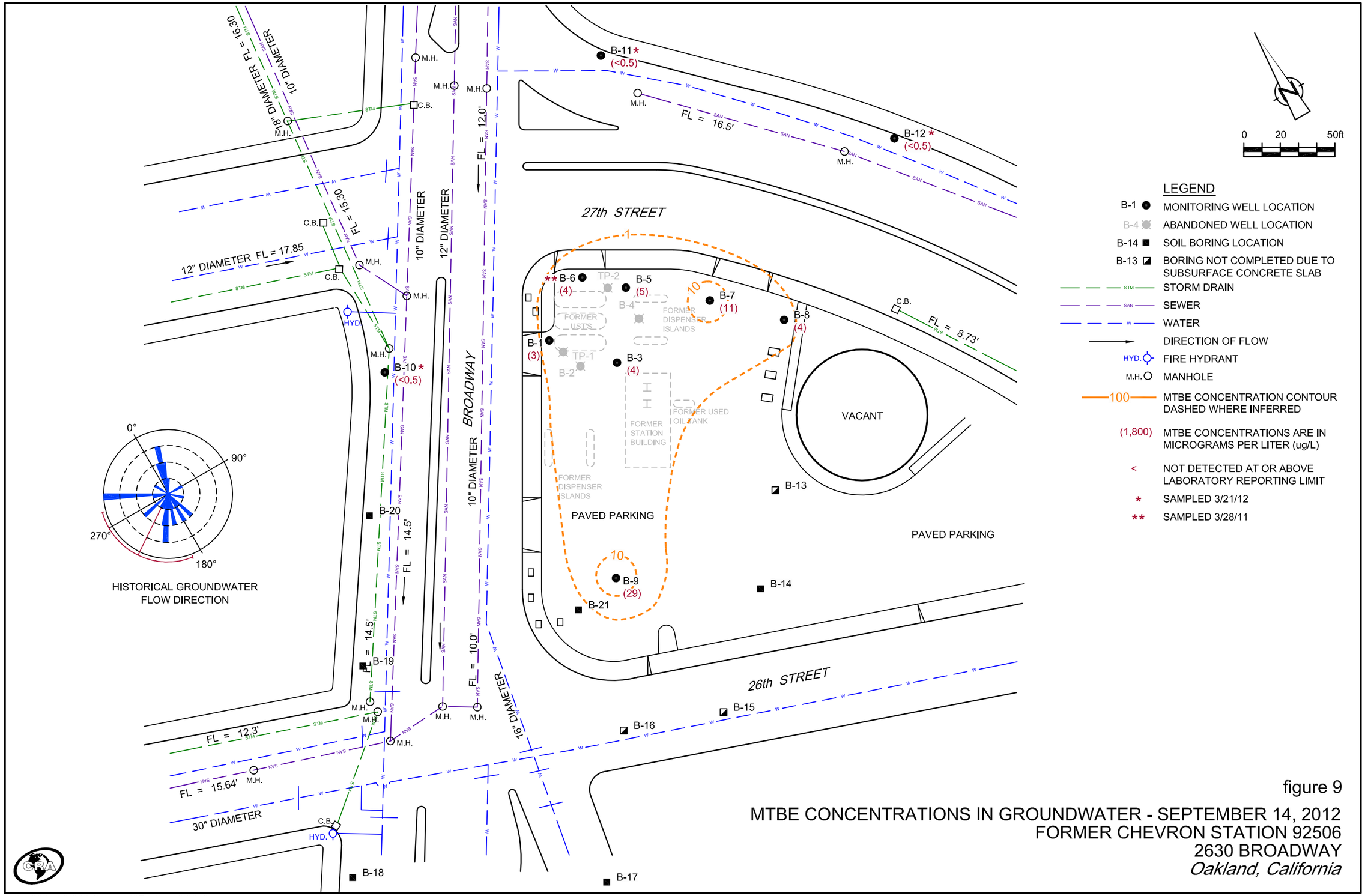


figure 9

MTBE CONCENTRATIONS IN GROUNDWATER - SEPTEMBER 14, 2012
FORMER CHEVRON STATION 92506
2630 BROADWAY
Oakland, California

611962-400(008)GN-WA007 NOV 16/2012

TABLES

TABLE 1

WELL CONSTRUCTION DETAILS
FORMER CHEVRON SERVICE STATION 92506
2630 BROADWAY
OAKLAND, CALIFORNIA

Well ID	*Date Installed*	*TOC*	*Total Depth (fbg)*	*Casing Diameter* (inches)*	*Slot Size (inches)*	*Screen Interval (fbg)*	*Filter Pack (fbg)*	*Status*
B-1	3/18/82	25.69**	20	2	0.010	5-20	4-20	Active
B-2	3/18/82	NA	20	2	0.010	5-20	4-20	Destroyed
B-3	3/18/82	24.43	20	2	0.010	5-20	4-20	Active
B-4	3/18/82	NA	20	2	0.010	5-20	4-20	Destroyed
B-5	3/18/82	24.24	20	2	0.010	5-20	4-20	Active
B-6	3/18/82	25.11	20	2	0.010	5-20	4-20	Active
B-7	3/18/82	22.18	20	2	0.010	5-20	4-20	Active
B-8	3/18/82	21.01	20	2	0.010	5-20	4-20	Active
B-9	7/26/94	22.93	19.5	2	0.020	4.5-19.5	3.5-19.5	Active
B-10	7/27/94	25.56	19.5	2	0.020	4.5-19.5	3.5-19.5	Active
B-11	7/26/94	25.27	19.5	2	0.020	4.5-19.5	3.5-19.5	Active
B-12	7/26/94	20.41	19.5	2	0.020	4.5-19.5	3.5-19.5	Active

Abbreviations & Notes:

TOC = Top of casing elevation (feet above mean sea level)

fbg = feet below grade

* Casing material: Schedule 40 PVC

** TOC later altered

TABLE 2

SOIL SAMPLE ANALYTICAL RESULTS
FORMER CHEVRON STATION 92506
2630 BROADWAY, OAKLAND, CALIFORNIA

Boring/ Sample ID	*Depth (fbg)*	*Date*	*TPHd*	*TPHg*	*Benzene*	*Toluene*	*Ethylbenzene*	*Xylenes*	*MTBE*	*Oxygenates*	*Total Lead*	*Organic Lead*	*Cadmium*	*Chromium*	*Nickel*	*Zinc*	*HVOCs*	*Semi-VOCs*	*Oil & Grease*
			← *concentrations in milligrams per kilogram (mg/kg)* →																
Well Borings																			
B-9	5	7/26/1994	-	**90**	<0.25	**0.76**	**0.75**	**2.2**	-	-	-	-	-	-	-	-	-	-	-
	10	7/26/1994	-	<1.0	<0.005	**0.01**	**0.005**	**0.007**	-	-	-	-	-	-	-	-	-	-	-
B-10	6	7/26/1994	-	<1.0	<0.005	<0.005	<0.005	**0.006**	-	-	-	-	-	-	-	-	-	-	-
	10	7/26/1994	-	<1.0	<0.005	<0.005	<0.005	**0.005**	-	-	-	-	-	-	-	-	-	-	-
B-11	5	7/26/1994	-	<1.0	<0.005	<0.005	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-
	11	7/26/1994	-	<1.0	<0.005	**0.007**	<0.005	**0.021**	-	-	-	-	-	-	-	-	-	-	-
B-12	5	7/26/1994	-	**7.9**	<0.5	**0.13**	**0.16**	**0.7**	-	-	-	-	-	-	-	-	-	-	-
	11	7/26/1994	-	<1.0	<0.005	<0.005	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-
UST Excavation																			
TX1	10.5	3/10/1998	-	**2.1**	<0.005	<0.005	<0.005	<0.005	**1.2**	-	**6.3**	-	-	-	-	-	-	-	-
TX2	10.5	3/10/1998	-	**1.7**	<0.005	<0.005	<0.005	<0.005	**0.8**	-	**3**	-	-	-	-	-	-	-	-
TX3	10.5	3/10/1998	-	**18**	**0.052**	**0.081**	**0.43**	**1.7**	<0.5	-	<2.5	-	-	-	-	-	-	-	-
TX4	10.5	3/10/1998	-	**10**	**0.036**	**0.043**	**0.052**	**0.044**	<0.1	-	<2.5	-	-	-	-	-	-	-	-
TX5	10.5	3/10/1998	-	**1.3**	**0.029**	**0.16**	**0.005**	**0.12**	**1.7**	-	**3.9**	-	-	-	-	-	-	-	-
TX6	10.5	3/10/1998	-	**340**	**0.44**	**0.9**	**3.3**	**15**	<2.5	-	**4**	-	-	-	-	-	-	-	-
TX7	10.5	3/10/1998	-	**66**	<0.25	**0.086**	**0.12**	**0.94**	**0.46**	-	**6.2**	-	-	-	-	-	-	-	-
TX8	10.5	3/10/1998	-	<1.0	<0.005	<0.005	<0.005	<0.005	**1.1**	-	**5**	-	-	-	-	-	-	-	-
SP-1(a-d)	Stockpiles	3/10/1998	-	<1.0	<0.005	<0.005	<0.005	**0.0054**	<0.05	-	**4.4**	-	-	-	-	-	-	-	-
SP-2(a-d)	Stockpiles	3/10/1998	-	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	-	**7.8**	-	-	-	-	-	-	-	-
Product Piping Trench Samples																			
P1	2	3/10/1998	-	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	-	**6.7**	-	-	-	-	-	-	-	-
P2	1.5	3/10/1998	-	**45**	**0.062**	**0.72**	**0.56**	**4.7**	**0.52**	-	**30**	-	-	-	-	-	-	-	-
P3	1.5	3/10/1998	-	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	-	**130**	-	-	-	-	-	-	-	-
P4	1.5	3/10/1998	-	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	-	**200**	-	-	-	-	-	-	-	-
P5	2	3/10/1998	-	<1.0	<0.005	<0.005	<0.005	**0.0057**	<0.05	-	**5,000**	-	-	-	-	-	-	-	-
P6	2	3/10/1998	-	**5.7**	**0.051**	**0.017**	**0.041**	**0.16**	**0.057**	-	**14**	-	-	-	-	-	-	-	-
P7	2	3/10/1998	-	**1,200**	<1.25	**2.3**	**24**	**55**	<12.5	-	**50**	-	-	-	-	-	-	-	-
P8	2	3/10/1998	-	**16**	**1.4**	**0.069**	**0.26**	**0.37**	**8**	-	**21**	-	-	-	-	-	-	-	-
P9	2	3/10/1998	-	**15**	**0.19**	**0.032**	**0.34**	**1.1**	**0.3**	-	**5.5**	-	-	-	-	-	-	-	-
P10	2	3/10/1998	-	**18**	**0.22**	**0.037**	**0.33**	**1**	**1.8**	-	**23**	-	-	-	-	-	-	-	-
P11	2	3/10/1998	-	**1.1**	<0.005	<0.005	<0.005	<0.005	<0.05	-	**130**	-	-	-	-	-	-	-	-
Hydraulic Hoist Samples																			
H1	7	3/10/1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**110**
H2	7	3/10/1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**310**

TABLE 2

SOIL SAMPLE ANALYTICAL RESULTS
FORMER CHEVRON STATION 92506
2630 BROADWAY, OAKLAND, CALIFORNIA

Boring/ Sample ID	*Depth (fbg)*	*Date*	*TPHd*	*TPHg*	*Benzene*	*Toluene*	*Ethylbenzene*	*Xylenes*	*MTBE*	*Oxygenates*	*Total Lead*	*Organic Lead*	*Cadmium*	*Chromium*	*Nickel*	*Zinc*	*HVOCs*	*Semi-VOCs*	*Oil & Grease*
			← *concentrations in milligrams per kilogram (mg/kg)* →																
Used-Oil Tank Excavation																			
UO1	8	3/10/1998	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	**0.11**	-	**430**	-	<0.50	**18**	**13**	**380**	ND	ND[1]	**110**
UO2	8	3/10/1998	**4.8**	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	-	**6,800**	-	**1.7**	**45**	**11**	**1,400**	ND	ND[2]	**91**
UOSP-1 (a-d)	Stockpile	3/10/1998	**3.9**	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	-	**1,500**	-	<0.50	**17**	**20**	**360**	ND	ND[3]	**52**
Dispenser Island and Used-Oil Tank Over-Excavation																			
PX2	5	11/19/1998	-	**2.96**	<0.002	<0.002	<0.002	<0.004	**0.0396**	-	<7.5	<5.0	-	-	-	-	-	-	-
PX5	6	11/19/1998	-	**95.7**	<0.010	**0.0422**	**0.0905**	**1.01**	<0.01	-	<7.5	<5.0	-	-	-	-	-	-	-
PX7	9	11/19/1998	-	**1,190**	<0.50	**23.2**	**26.7**	**149**	<2.5	-	-	-	-	-	-	-	-	-	-
PX8	7	11/19/1998	-	<0.400	<0.002	<0.002	<0.002	<0.004	**0.637**	-	-	-	-	-	-	-	-	-	-
PX9	6	11/19/1998	-	**5.21**	<0.002	**0.0357**	**0.063**	**0.596**	**0.138**	-	-	-	-	-	-	-	-	-	-
PX10	9	11/19/1998	-	**44.6**	<0.005	<0.005	**0.137**	**1.18**	<0.025	-	-	-	-	-	-	-	-	-	-
SP-3(a-d)	Stockpile	11/19/1998	-	**37.8**	<0.010	**0.273**	**0.505**	**3.34**	<0.050	-	**9.81**	-	-	-	-	-	-	-	-
UOSP-3(a&b)	Stockpile	11/19/1998	-	<0.400	<0.002	<0.002	<0.002	<0.004	<0.010	-	**1,790**	<5.0	-	-	-	-	-	-	-
Exploratory Borings																			
B-14	5	6/4/2007	-	<1.0	<0.0005	<0.001	<0.001	<0.001	**0.002**	ND	-	-	-	-	-	-	-	-	-
	15	6/7/2007	-	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	-	-	-	-	-	-	-	-	-
	22	6/7/2007	-	<1.0	<0.0005	<0.001	<0.001	<0.001	**0.001**	ND	-	-	-	-	-	-	-	-	-
B-17	5	6/4/2007	-	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	-	-	-	-	-	-	-	-	-
	15	6/6/2007	-	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	-	-	-	-	-	-	-	-	-
	25	6/6/2007	-	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	-	-	-	-	-	-	-	-	-
B-18	5	6/4/2007	-	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	-	-	-	-	-	-	-	-	-
	15	6/6/2007	-	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	-	-	-	-	-	-	-	-	-
	25	6/6/2007	-	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	-	-	-	-	-	-	-	-	-
B-19	5	6/4/2007	-	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	-	-	-	-	-	-	-	-	-
B-20	5	6/4/2007	-	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	-	-	-	-	-	-	-	-	-
	15	6/6/2007	-	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	-	-	-	-	-	-	-	-	-
B-21	6	6/7/2007	-	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	-	-	-	-	-	-	-	-	-
	10	6/7/2007	-	<1.0	<0.0005	**0.001**	<0.001	<0.001	<0.0005	ND	-	-	-	-	-	-	-	-	-
	15	6/7/2007	-	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	-	-	-	-	-	-	-	-	-
	20	6/7/2007	-	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	-	-	-	-	-	-	-	-	-
	25	6/7/2007	-	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	-	-	-	-	-	-	-	-	-
	30	6/7/2007	-	<1.0	<0.0005	<0.001	<0.001	<0.001	**0.001**	ND	-	-	-	-	-	-	-	-	-

TABLE 2

SOIL SAMPLE ANALYTICAL RESULTS
FORMER CHEVRON STATION 92506
2630 BROADWAY, OAKLAND, CALIFORNIA

Boring/ Sample ID	*Depth (fbg)*	*Date*	*TPHd*	*TPHg*	*Benzene*	*Toluene*	*Ethylbenzene*	*Xylenes*	*MTBE*	*Oxygenates*	*Total Lead*	*Organic Lead*	*Cadmium*	*Chromium*	*Nickel*	*Zinc*	*HVOCs*	*Semi-VOCs*	*Oil & Grease*
			←							*concentrations in milligrams per kilogram (mg/kg)*									→

Abbreviations/Notes
TPHd = Total petroleum hydrocarbons as diesel
TPHg = Total petroleum hydrocarbons as gasoline
MTBE = Methyl tertiary butyl ether
HVOCs = Halogenated volatile organic compounds
Semi-VOCs = Semi-volatile organic compounds
Oxygenates = Tertiary butyl alcohol (TBA), tertiary amyl methyl ether (TAME), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), 1,2-dichloroethane (1,2-DCA), and 1,2-dibromoethane (EDB)
"-" = Not analyzed
<x.xx = Not detected at or above the stated laboratory detection limit
ND = Not detected; reporting limits vary
Note: Shaded samples were collected from soil that was subsequently excavated
1 Not detected with the exception of Bis(2-ethylhexyl)phthalate at 1.1 mg/kg
2 Not detected with the exception of Bis(2-ethylhexyl)phthalate at 2.3 mg/kg
3 Not detected with the exception of Benzo(k)fluoranthene at 0.23 mg/kg; Benzo(a)pyrene at 0.19 mg/kg; Bis(2-ethylhexyl)phthalate at 1.2 mg/kg; Chrysene at 0.21 mg/kg; Fluoranthene at 0.28 mg/kg; and Pyrene at 0.33 mg/kg

TABLE 3

GRAB-GROUNDWATER ANALYTICAL RESULTS
FORMER CHEVRON STATION 92506
2630 BROADWAY, OAKLAND, CALIFORNIA

Boring/ Sample ID	*Depth (feet)*	*Date*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Xylenes*	*MTBE*	*TBA*	*TAME*	*DIPE*	*ETBE*	*1,2-DCA*	*EDB*
			Concentrations in micrograms per liter (µg/L)											
B-14-W	22	6/7/07	<50	<0.5	<0.5	<0.5	<0.5	**1**	**14**	<0.5	<0.5	<0.5	<0.5	<0.5
B-17-W	30	6/6/07	<50	<0.5	<0.5	<0.5	<0.5	**2**	<2	<0.5	<0.5	<0.5	<0.5	<0.5
B-18-W	36	6/6/07	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5
B-19-W	18	6/6/07	<50	<0.5	<0.5	<0.5	<0.5	<0.5	**3**	<0.5	<0.5	<0.5	<0.5	<0.5
B-20-W	25	6/6/07	<50	<3.0	<3.0	<3.0	<3.0	<3.0	<10	<3.0	<3.0	<3.0	<3.0	<3.0

Abbreviations/Notes

TPHg = Total petroleum hydrocarbons as gasoline
MTBE = Methyl tertiary butyl ether
TBA = Tertiary butyl alcohol
TAME = Tertiary amyl methyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
1,2-DCA = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
< = Not detected at or above the stated laboratory reporting limit

APPENDIX A

HISTORICAL BORING LOGS

UNIFIED SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS		LTR	DESCRIPTION
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	GW	Well-graded gravels or gravel sand mixtures, little or no fines.
		GP	Poorly-graded gravels or gravel sand mixture, little or no fines.
		GM	Silty gravels, gravel-sand-clay mixtures.
		GC	Clayey gravels, gravel-sand-clay mixtures.
	SAND AND SANDY SOILS	SW	Well-graded sands or gravelly sands, little or no fines.
		SP	Poorly-graded sands or gravelly sands, little or no fines.
		SM	Silty sands, sand-silt mixtures.
		SC	Clayey sands, sand-clay mixtures.
FINE GRAINED SOILS	SILTS AND CLAYS LL<50	ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.
		CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
		OL	Organic silts and organic silt-clays of low plasticity
	SILTS AND CLAYS LL>50	MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
		CH	Inorganic clays of high plasticity, fat clays.
		OH	Organic clays of medium to high plasticity.
HIGHLY ORGANIC SOILS		Pt	Peat and other highly organic soils.

Standard penetration split spoon sample

Modified California sampler

Shelby tube sample

Water level observed in boring

* No recovery

NFWE No free water encountered

NOTE: The lines separating strata on the logs represent approximate boundaries only. The actual transition may be gradual. No warranty is provided as to the continuity of soil strata between borings. Logs represent the soil section observed at the boring location on the date of drilling only.

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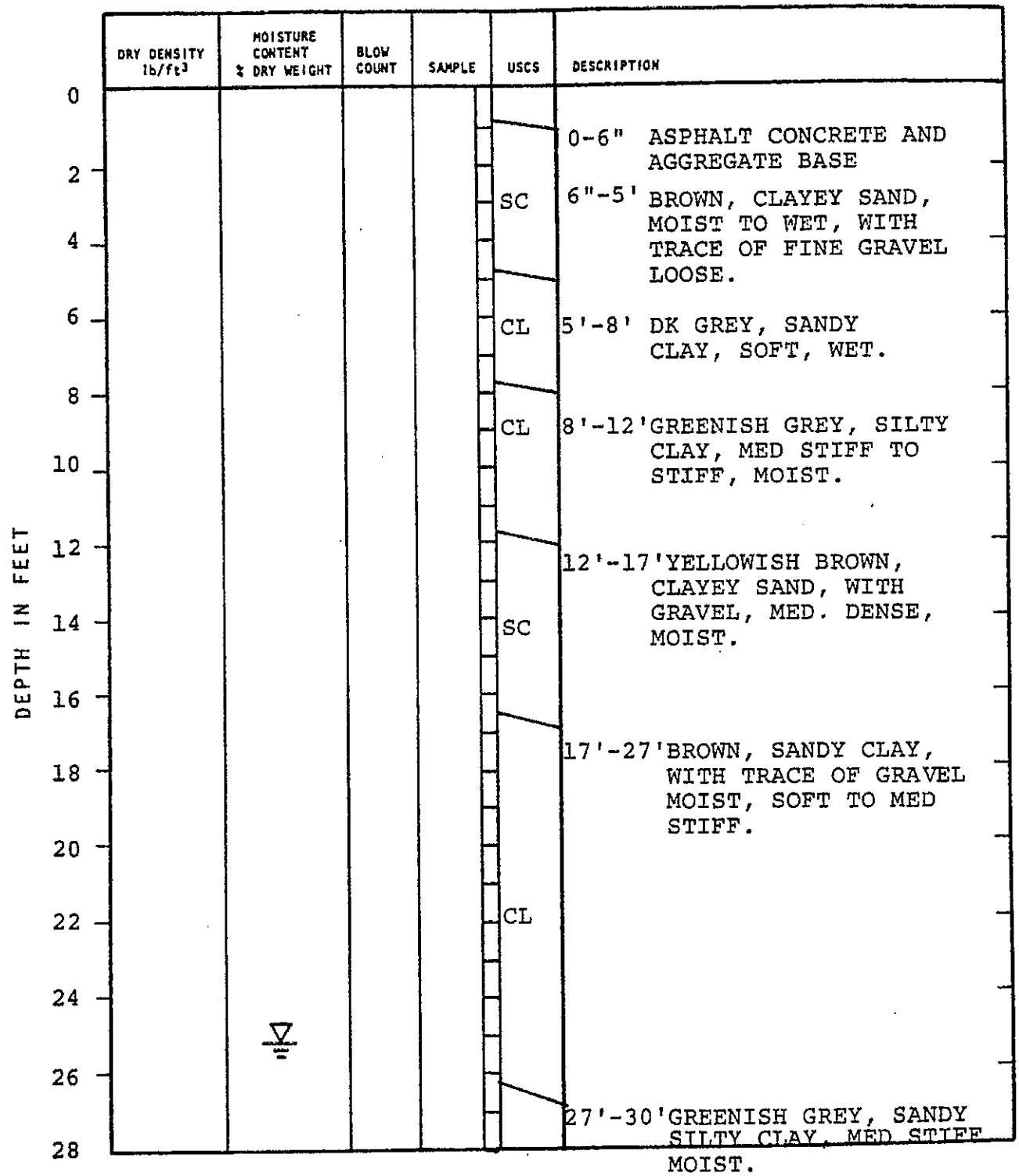
IT ENVIROSCIENCE/CHEVRON
OAKLAND, CALIFORNIA
BORING LOG LEGEND

PROJECT NO. B-1189-1

PLATE 3



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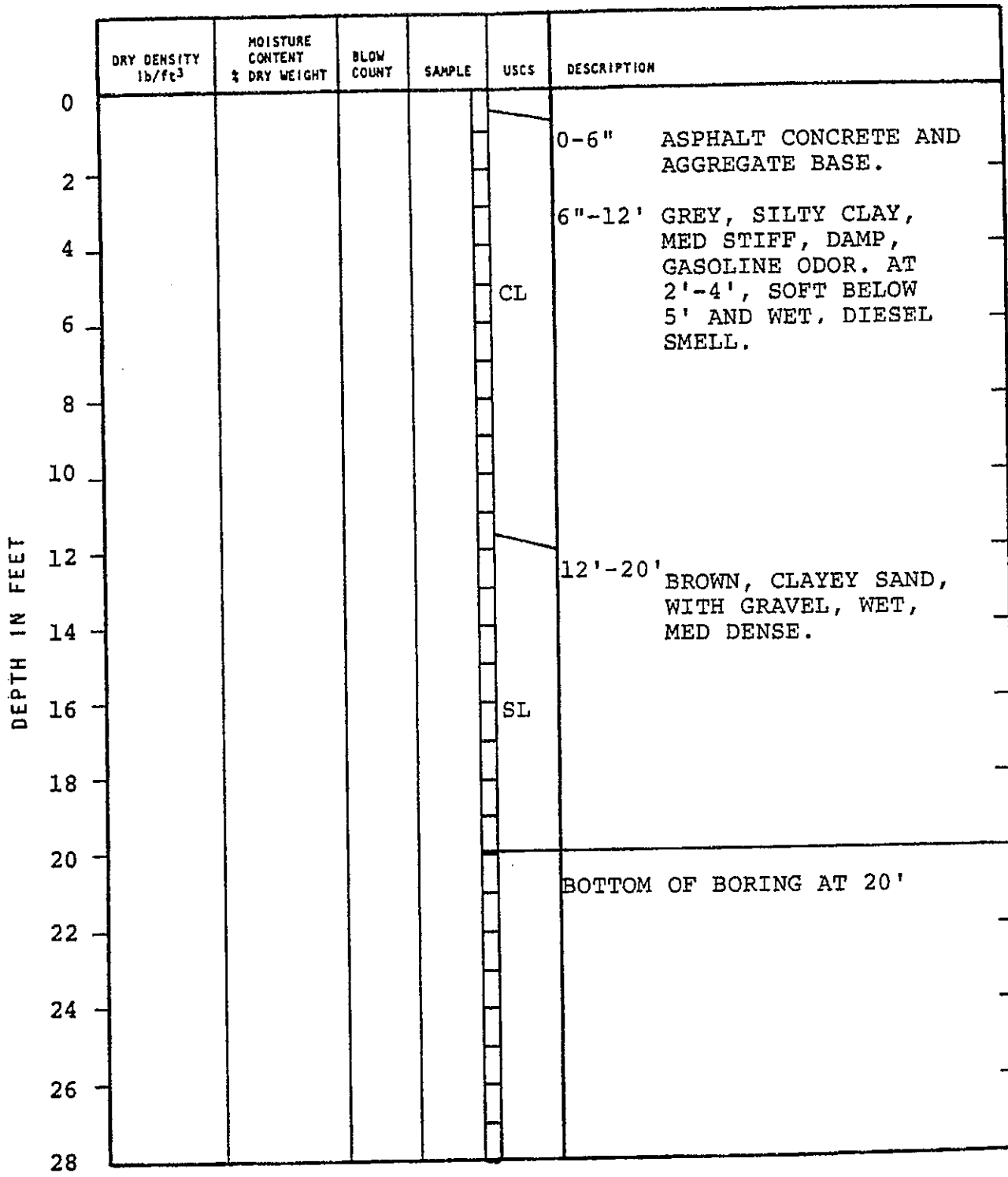
OAKLAND, CALIFORNIA
LOG OF BORING NO. B-1

PROJECT NO. B-1189-1

PLATE
4



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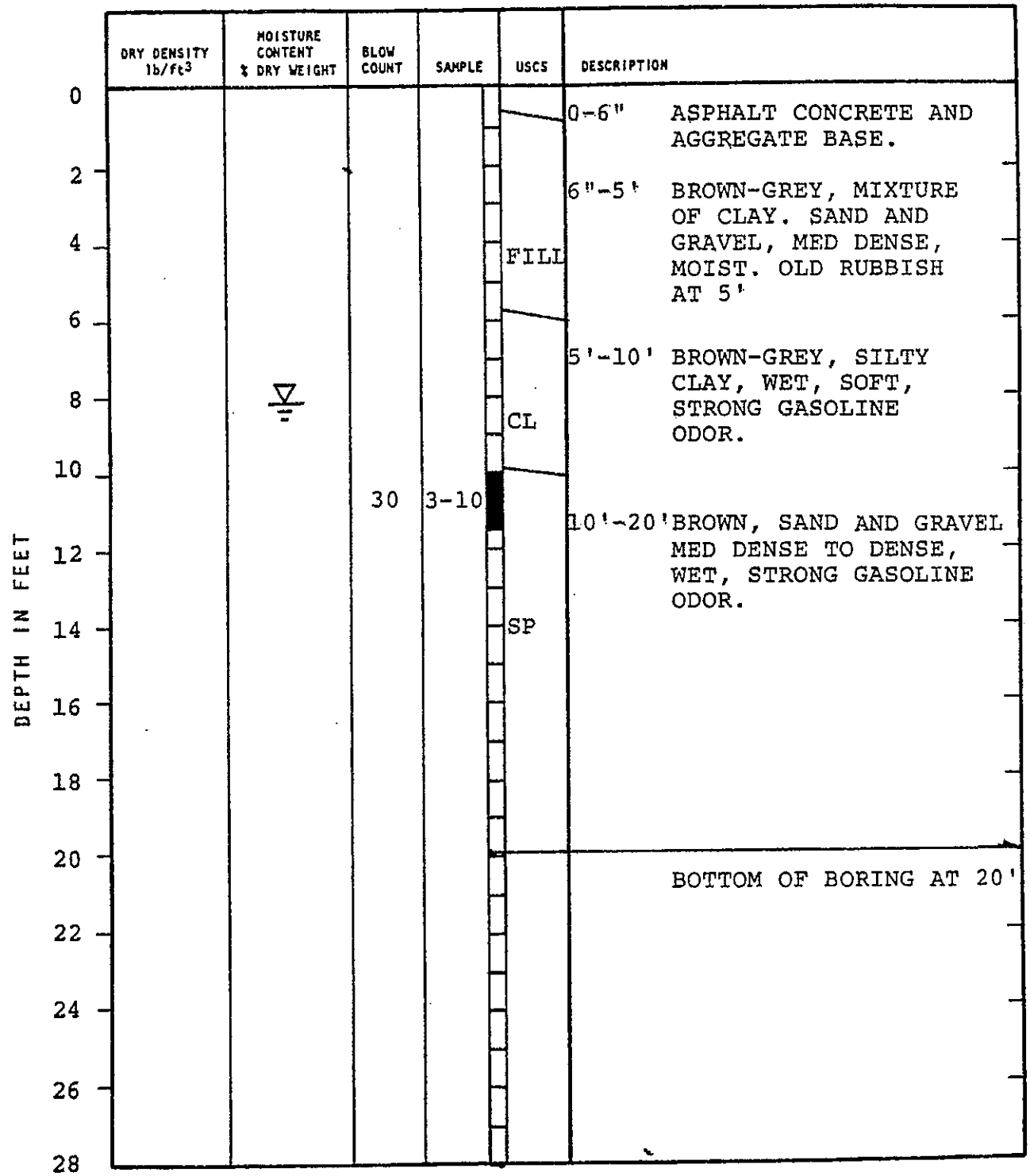
IT ENVIROSCIENCE/CHEVRON
OAKLAND, CALIFORNIA
LOG OF BORING NO. B-2

PROJECT NO. B-1189-1

PLATE
5



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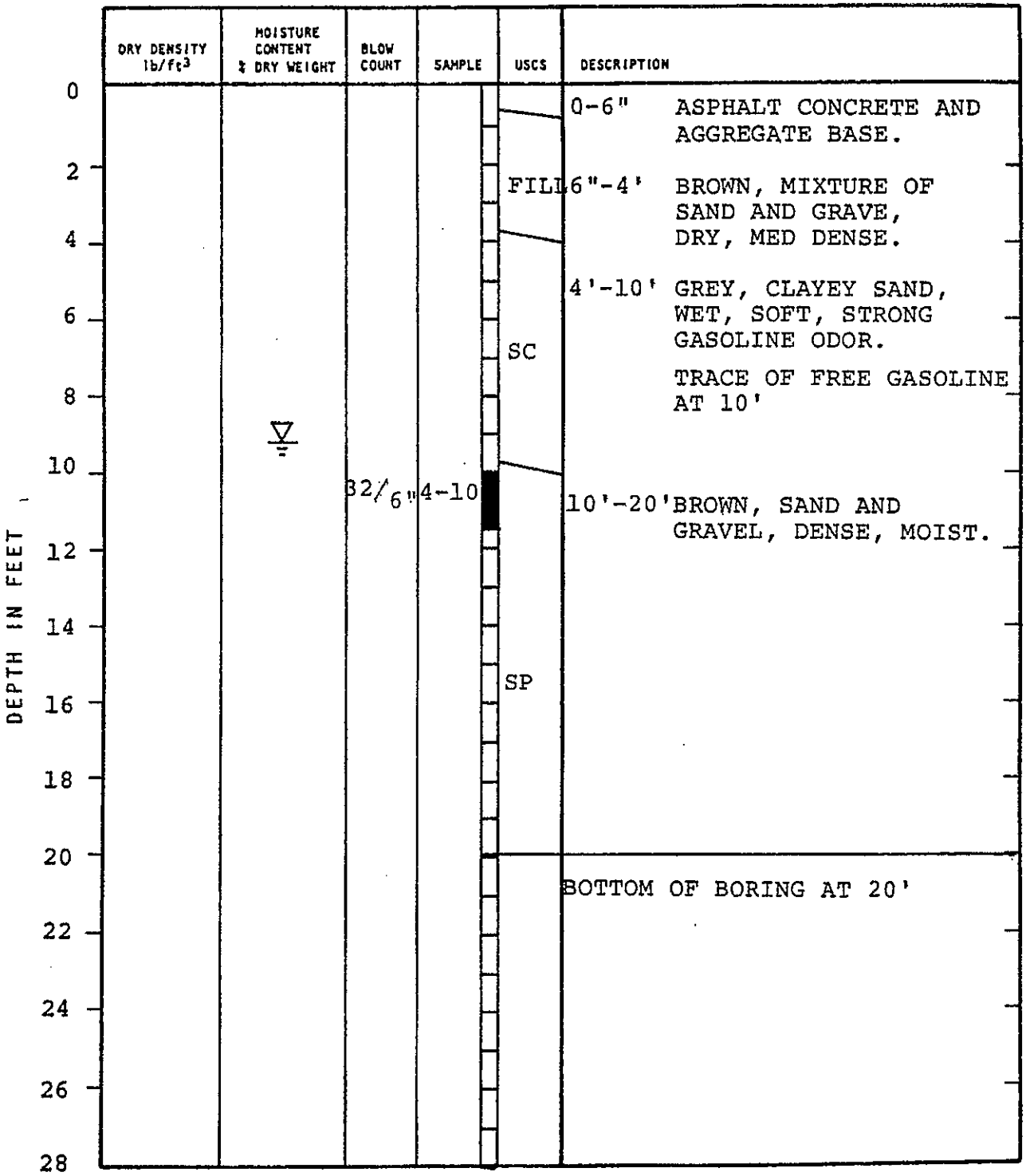
OAKLAND, CALIFORNIA
LOG OF BORING NO. B-3

PROJECT NO. B-1189-1

PLATE
6



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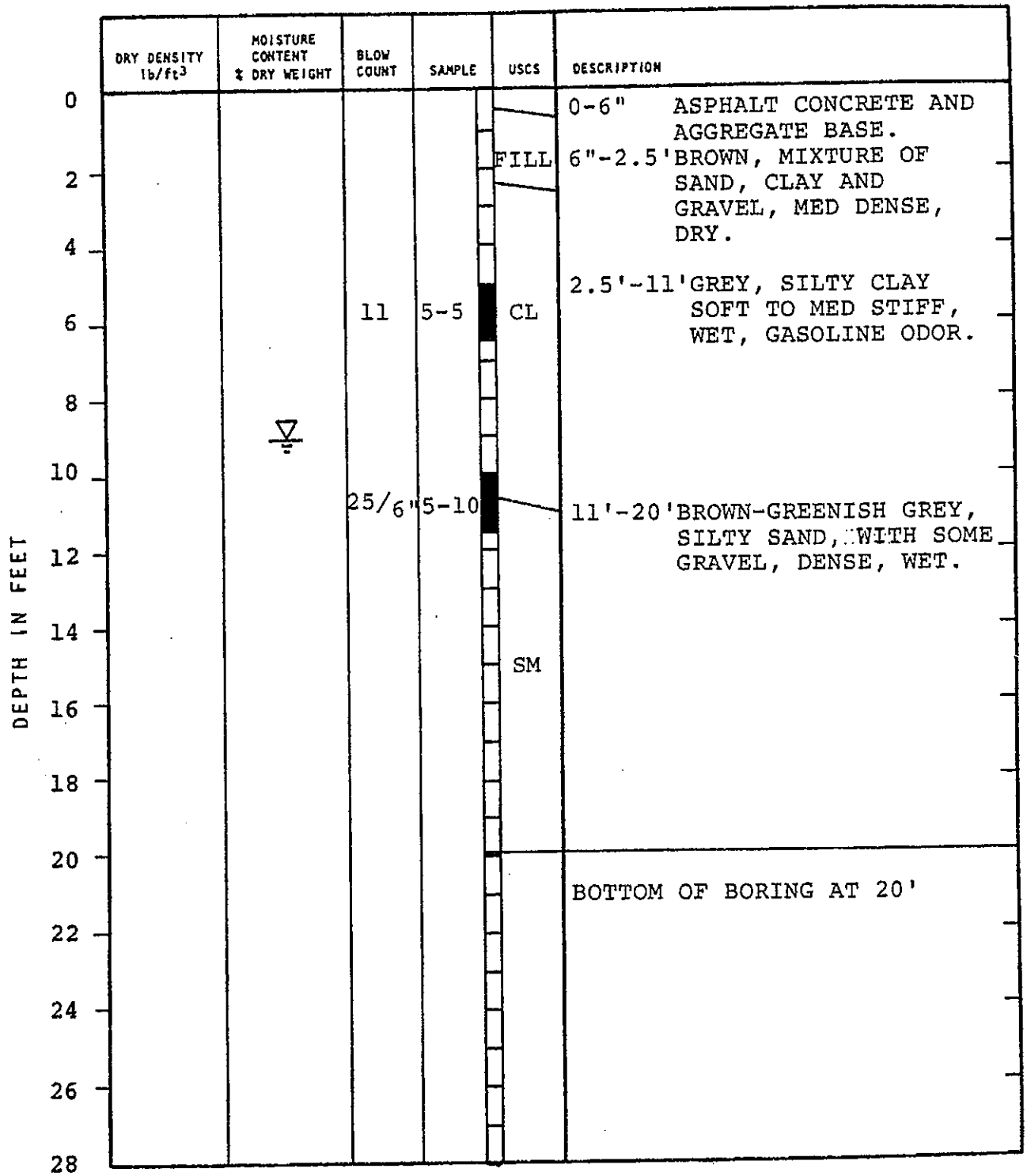
OAKLAND, CALIFORNIA
LOG OF BORING NO. B-4

PROJECT NO. B-1189-1

PLATE
7



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OAKLAND, CALIFORNIA
LOG OF BORING NO. B-5

PLATE
8

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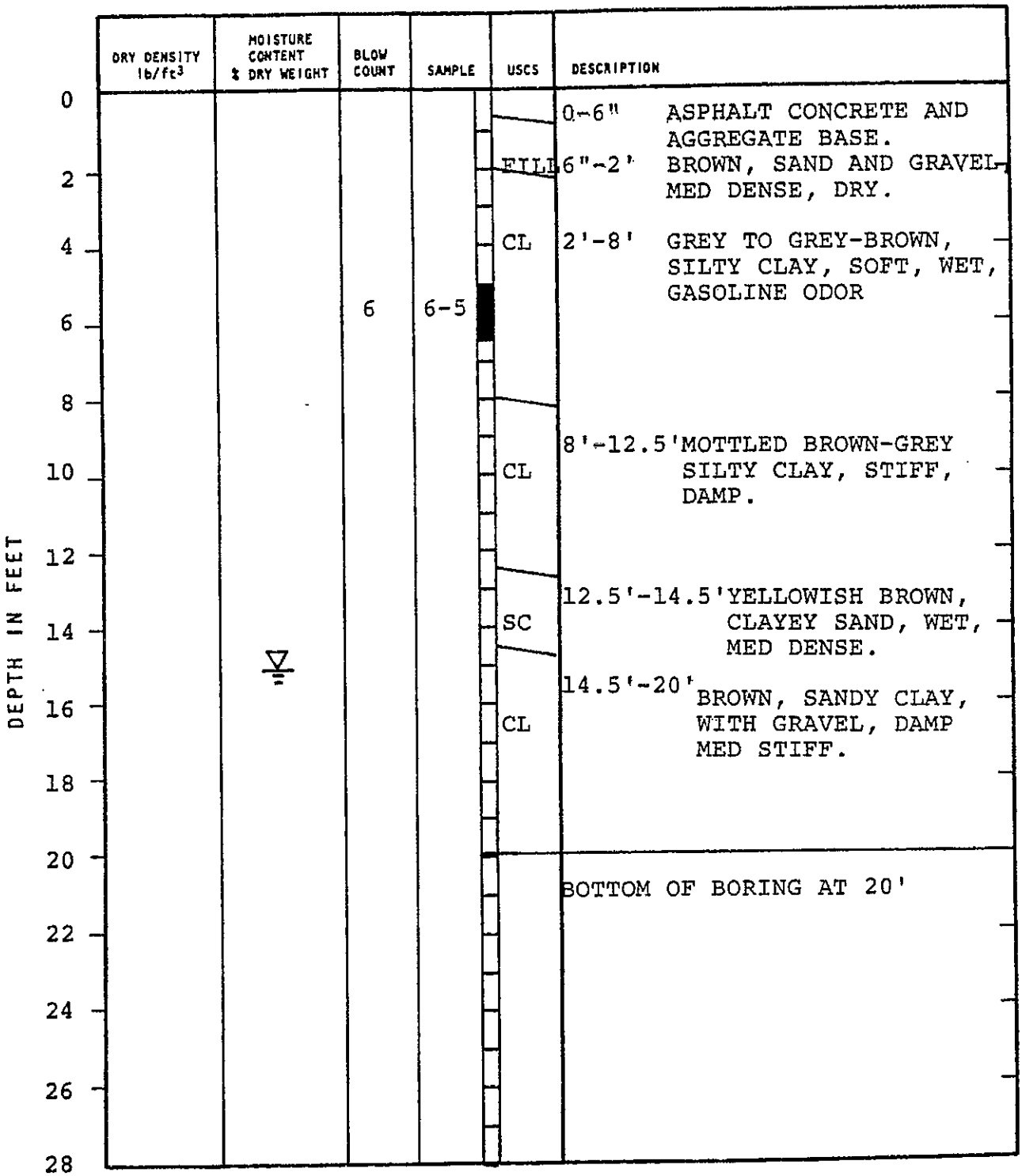

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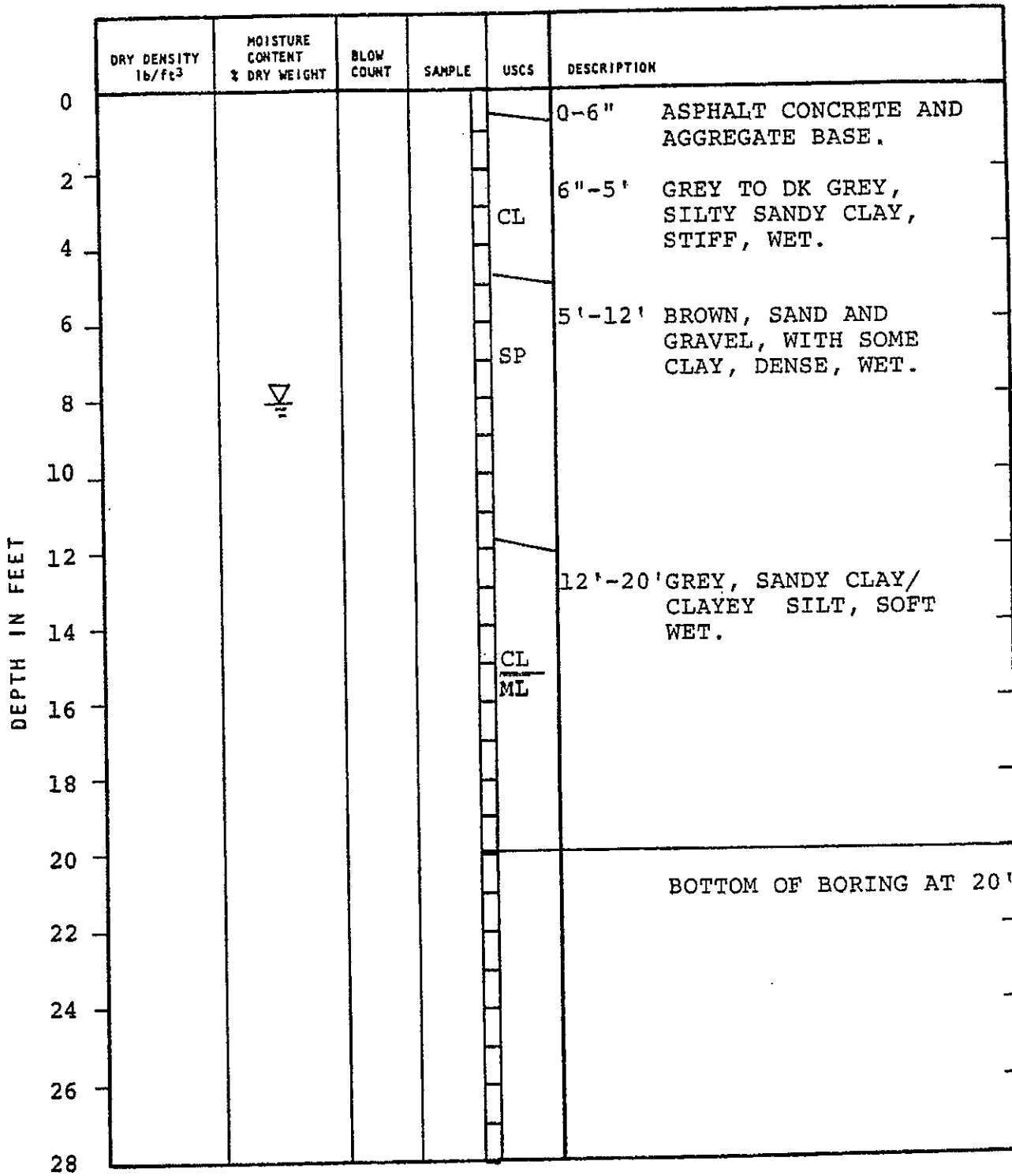
LOG OF BORING NO. B-6

PROJECT NO. B-1189-1

PLATE
9



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LOG OF BORING NO. B-7

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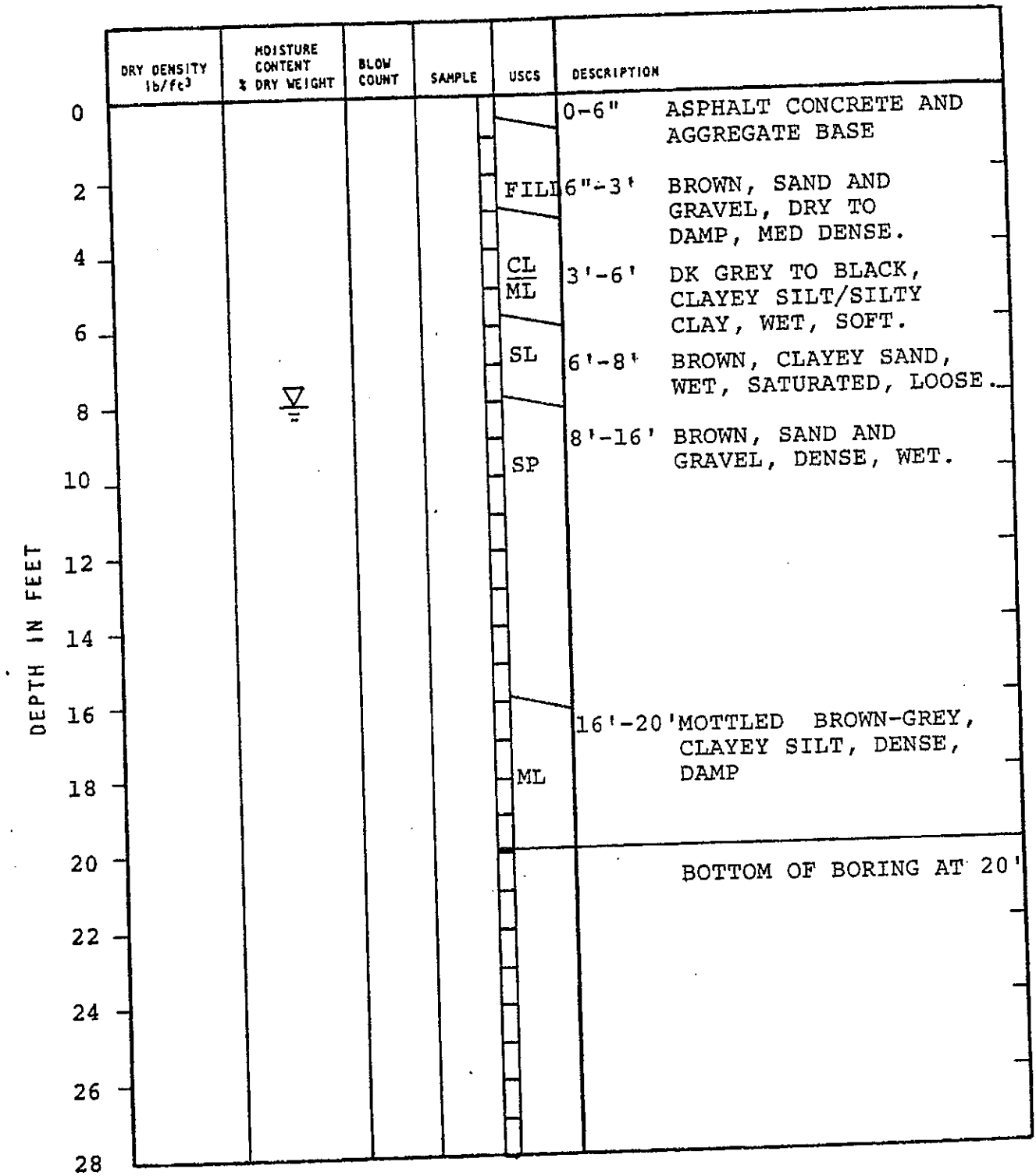
PLATE
10



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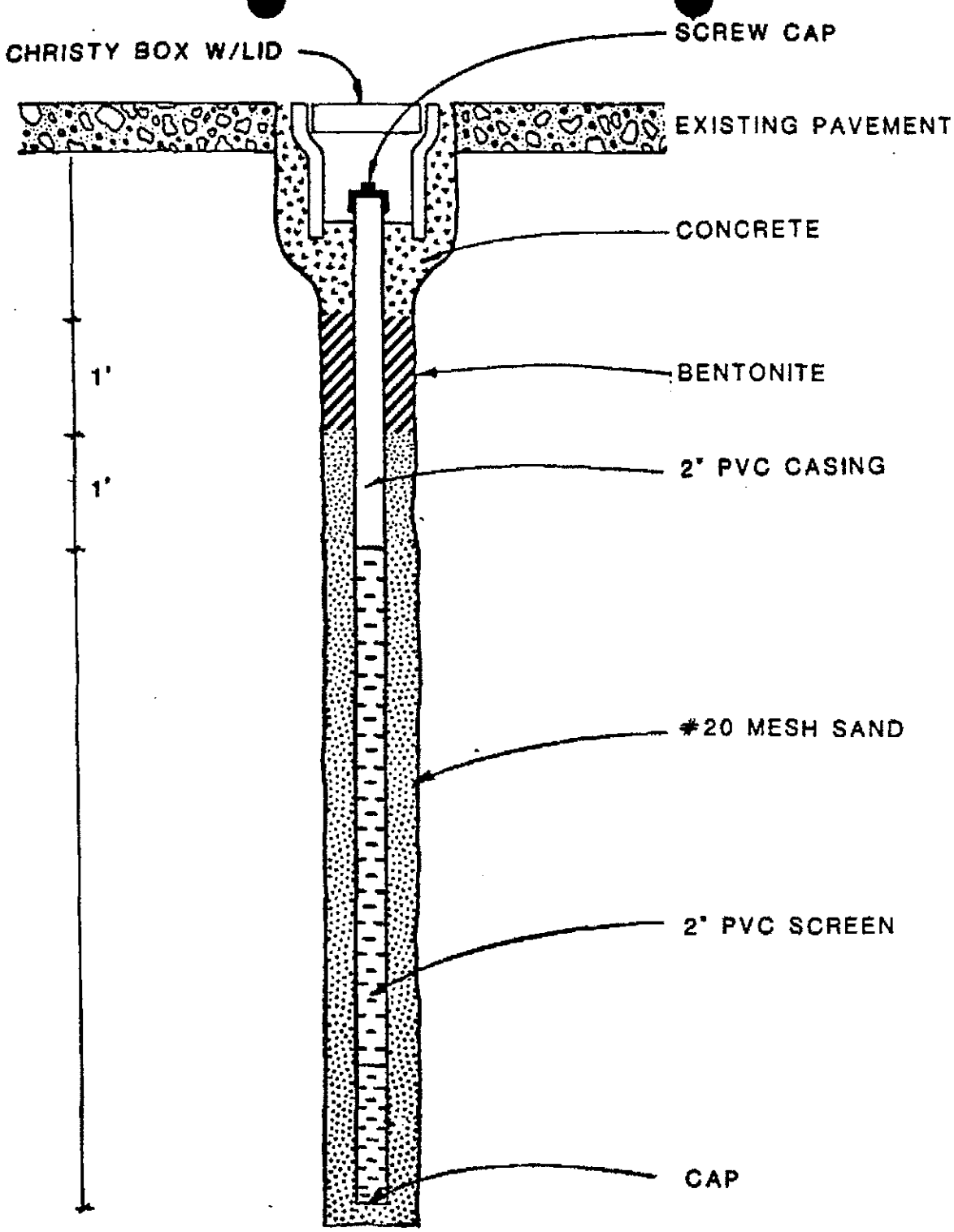
PROJECT NO. B-1189-1

PLATE
11



NOT TO SCALE

J.H. KLEINFELDER & ASSOCIATES GEOTECHNICAL CONSULTANTS • MATERIALS TESTING	IT ENVIROSCIENCE/CHEVRON OAKLAND, CALIFORNIA **TYPICAL WELL PROFILE**	PLATE 12
PREPARED BY: PLC DATE: 3/82 CHECKED BY: DCM DATE: 3/82	PROJECT NO. B-1189-1	

Total depth of boring:	20 feet	Casing diameter:	2 inches
Diameter of boring:	8 inches	Casing material:	Sch 40 PVC
Date drilled:	7-26-94	Slot size:	0.020-inch
Drilling Company:	West Hazmat	Sand size:	No. 3 sand
Driller:	Gene	Screen Interval:	4-1/2 feet to 19-1/2 feet
Drilling method:	Hollow-Stem Auger	Field Geologist:	Zbigniew Ignatowicz

Signature of Registered Professional: [signature]

Registration No.: 5023 State: CA

P.I.D.	Sample No.	Blows	Depth	USCS Code	Description	Well Const.
			0		Asphalt over base rock.	
			2	SC	Clayey sand, medium-grained, brown, medium dense, moist.	
			4			
2152	S-5	7 4 6	6	CL	Sandy clay, black and bluish-black, medium plasticity, stiff, moist.	
			8	SW	Gravelly sand, brown and olive-gray, very dense, damp.	
909	S-10	25 30 20	10	CL	Sandy-gravelly clay, brown-gray, medium plasticity, hard, moist.	
			12			
			14	SW/GW	Gravelly sand/sandy gravel, reddish-brown, very dense, damp.	
	S-15	50 50/3	16			
			18	CL	Silty clay, black-brown, medium plasticity, hard, damp.	
14	S-19	12 20 35	20			
			22		Total Depth = 20 feet.	
			24			
			26			
			28			
			30			
			32			
			34			
			36			
			38			
			40			

RESNA
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PROJECT: 130069.01

LOG OF BORING/MONITORING WELL B-9

Chevron Station 9-2506
2630 Broadway,
Oakland, California

Total depth of boring:	20 feet	Casing diameter:	2 inches
Diameter of boring:	8 inches	Casing material:	Sch 40 PVC
Date drilled:	7-27-94	Slot size:	0.020-inch
Drilling Company:	West Hazmat	Sand size:	No. 3 sand
Driller:	Gene	Screen Interval:	4-1/2 feet to 19-1/2 feet
Drilling method:	Hollow-Stem Auger	Field Geologist:	Zbigniew Ignatowicz

Signature of Registered Professional: [signature]

Registration No.: 5723 State: CA

P.I.D.	Sample No.	Blows	Depth	USCS Code	Description	Well Const.
					Asphalt over base rock.	
			2	CL	Silty clay, black, low plasticity, medium stiff, damp; pieces of concrete, backfill.	
			4	CL	Silty clay, dark and light brown, low plasticity, very stiff, moist.	
4.9	S-6	4 6 11	6			
			8	SW/GW	Gravelly sand/sandy gravel, medium-grained sand to medium gravel, brown, very dense, moist.	
13.3	S-10	40 50/6"	10			
			12			
			14	CL	Sandy clay, brown, low plasticity, hard, moist.	
12.4	S-15	12 15 20	16			
			18	SM	Silty sand, medium-grained sand, brown, dense, saturated.	
14.6	S-19	11 20 22	20		Total Depth = 20 feet.	
			22			
			24			
			26			
			28			
			30			
			32			
			34			
			36			
			38			
			40			

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PROJECT: 130069.01

LOG OF BORING/MONITORING WELL B-10

Chevron Station 9-2506
2630 Broadway,
Oakland, California

Total depth of boring: 20 feet
Diameter of boring: 8 inches
Date drilled: 7-26-94
Drilling Company: West Hazmat
Driller: Gene
Drilling method: Hollow-Stem Auger

Casing diameter: 2 inches
Casing material: Sch 40 PVC
Slot size: 0.020-inch
Sand size: No. 3 sand
Screen interval: 4-1/2 feet to 19-1/2 feet
Field Geologist: Zbigniew Ignatowicz

Signature of Registered Professional:
Registration No.: 5023 State: CA

P.I.D.	Sample No.	Blows	Depth	USCS Code	Description	Well Const.
					Concrete over base rock.	
			2	SC	Clayey sand, fine-grained sand, light brown, medium dense, very moist.	
7.2	S-5	16 7 12	4 6			
			8	SW	Gravelly sand, fine-grained sand and fine gravel, brown, very dense, moist.	
3.7	S-11	17 30 35	10 12			
			14	CL	Silty clay, light brown, medium plasticity, very stiff, moist.	
2.2	S-16	12 20 22	16	SC	Clayey sand, brown, dense, saturated.	
4.9	S-20	15 25 22	18 20		Total Depth = 20 feet.	
			22 24 26 28 30 32 34 36 38 40			

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PROJECT: 130069.01

LOG OF BORING/MONITORING WELL B-11

Chevron Station 9-2506
2630 Broadway,
Oakland, California

Total depth of boring: 20 feet
Diameter of boring: 8 inches
Date drilled: 7-26-94
Drilling Company: West Hazmat
Driller: Gene
Drilling method: Hollow-Stem Auger

Casing diameter: 2 inches
Casing material: Sch 40 PVC
Slot size: 0.020-inch
Sand size: No. 3 sand
Screen Interval: 4-1/2 feet to 19-1/2 feet
Field Geologist: Zbigniew Ignatowicz

Signature of Registered Professional:
Registration No.: 5023 State: CA

P.I.D.	Sample No.	Blows	Depth	USCS Code	Description	Well Const.
					Concrete over base rock.	
548			2	CL	Sandy clay, greenish-gray, medium plasticity, very stiff, damp.	
			4			
14	S-5	20 16 12	6		Color change to dark brown.	
			8			
			10	CL	Silty clay, yellowish-brown, medium plasticity, hard, damp.	
7.8	S-11	10 20 30	12			
			14			
5.2	S-16	12 16 22	16		Very moist.	
			18			
1.7	S-20	14 20 35	20			
			22		Total Depth = 20 feet.	
			24			
			26			
			28			
			30			
			32			
			34			
			36			
			38			
			40			

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PROJECT: 130069.01

LOG OF BORING/MONITORING WELL B-12
Chevron Station 9-2506
2630 Broadway,
Oakland, California

Conestoga-Rovers & Associates
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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	BORING/WELL NAME	B-13
JOB/SITE NAME	9-2506 Oakland	DRILLING STARTED	04-Jun-07
LOCATION	2630 Broadway, Oakland, CA	DRILLING COMPLETED	04-Jun-07
PROJECT NUMBER	611962	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling & Testing, Inc.	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	2"	SCREENED INTERVAL	NA
LOGGED BY	J. Bostick	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	B. Carey P.G# 7820	DEPTH TO WATER (Static)	NA

REMARKS

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt (4") No samples collected.	0.3	
							Concrete slab encountered at 4.9'. No sample recovered.	4.9	Bottom of Boring @ 4.9 fbg

WELL LOG (PID) R:\ROCKLI~1.CHE\9-2506~1\GINT\9-2506.GPJ DEFAULT.GDT 8/8/07

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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	BORING/WELL NAME	B-14
JOB/SITE NAME	9-2506 Oakland	DRILLING STARTED	04-Jun-07
LOCATION	2630 Broadway, Oakland, CA	DRILLING COMPLETED	07-Jun-07
PROJECT NUMBER	611962	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling & Testing, Inc.	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	2"	SCREENED INTERVAL	NA
LOGGED BY	J. Bostick	DEPTH TO WATER (First Encountered)	10.0 fbg (07-Jun-07) ▽
REVIEWED BY	B. Carey P.G#7820	DEPTH TO WATER (Static)	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt (5")	0.4	
							SILTY SAND (SM) - brown; moist; 15% clay, 25% silt, 60% fine sand; low plasticity; high estimated permeability.		
		B-14@ 5		5	SM				
		B-14@ 10		10			▽	10.0	
					SM		SILTY SAND (SM) - brown; saturated; 20% clay, 20% silt, 60% fine sand; low plasticity, moderate estimated permeability.	11.0	
					SM		SILTY SAND with GRAVEL (SM) - brown; moist; 10% clay, 10% silt, 50% fine sand, 30% gravel; moderate estimated permeability.	13.0	
					CL		CLAY with SAND (CL) - brown; moist; 65% clay, 10% silt, 25% fine sand; moderate plasticity; moderate estimated permeability.	15.0	
		B-14@ 15		15					
					CL		CLAY (CL) - brown; moist; 70% clay, 20% silt, 10% fine sand; high plasticity; high estimated permeability.		
		B-14@ 20		20				20.0	
					SC		CLAYEY SAND (SC) - brown; moist; 20% clay, 10% silt, 70% fine sand; low plasticity; high estimated permeability.	21.5	
		B-14@ 22			SM		SILTY SAND (SM) - brown; moist; 10% clay, 10% silt, 70% fine sand, 10% gravel; high estimated permeability.	22.0	Bottom of Boring @ 22 fbg

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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	BORING/WELL NAME	B-15
JOB/SITE NAME	9-2506 Oakland	DRILLING STARTED	04-Jun-07
LOCATION	2630 Broadway, Oakland, CA	DRILLING COMPLETED	04-Jun-07
PROJECT NUMBER	611962	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling & Testing, Inc.	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	2"	SCREENED INTERVAL	NA
LOGGED BY	J. Bostick	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	B. Carey P.G# 7820	DEPTH TO WATER (Static)	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt (7")	0.6	
					CL		SANDY CLAY (CL) - brown; 50% clay, 15% silt, 30% sand, 5% gravel; moderate plasticity; moderate estimated permeability.		
		B-15@ 4						4.0	Bottom of Boring @ 4 fbg
							Concrete slab.		

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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	BORING/WELL NAME	B-16
JOB/SITE NAME	9-2506 Oakland	DRILLING STARTED	04-Jun-07
LOCATION	2630 Broadway, Oakland, CA	DRILLING COMPLETED	04-Jun-07
PROJECT NUMBER	611962	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling & Testing, Inc.	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	2"	SCREENED INTERVAL	NA
LOGGED BY	J. Bostick	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	B. Carey P.G#7820	DEPTH TO WATER (Static)	NA

REMARKS

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt (7")	0.6	
					CH		CLAY with SAND (CH) - brown; 50% clay, 30% silt, 20% sand; high plasticity; low estimated permeability.		
		B-16@5		5				5.0	
					CL		CLAY with SAND (CL) - brown; 40% clay, 20% silt, 20% sand, 20% gravel; moderate plasticity; moderate estimated permeability.	6.0	Bottom of Boring @ 6 fbg
							Concrete slab.		

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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	BORING/WELL NAME	B-17
JOB/SITE NAME	9-2506 Oakland	DRILLING STARTED	04-Jun-07
LOCATION	2630 Broadway, Oakland, CA	DRILLING COMPLETED	06-Jun-07
PROJECT NUMBER	611962	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling & Testing, Inc.	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	2"	SCREENED INTERVAL	NA
LOGGED BY	J. Bostick	DEPTH TO WATER (First Encountered)	28.0 fbg (06-Jun-07) ▽
REVIEWED BY	B. Carey P.G# 7820	DEPTH TO WATER (Static)	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Concrete (12")	1.0	
							Road base (6")	1.5	
		B-17@ 5		5	CH		CLAY (CH) - brown; 50% clay, 40% silt, 10% sand; high plasticity; low estimated permeability.	8.0	
		B-17@ 10		10	ML		SILT (ML) - brown; 10% clay, 80% silt, 10% fine sand; high plasticity; low estimated permeability.	10.0	
					SP		SAND (SP) - tan; damp; 100% fine-grained sand; no plasticity; moderate estimated permeability.	11.5	
							Rock layer.	12.0	
					SP		SAND (SP) - tan; damp; 100% fine-grained sand; no plasticity; moderate estimated permeability.	13.0	
					ML		SILT (ML) - gray; damp; 5% clay; 95% silt; high plasticity; low estimated permeability.	15.0	
		B-17@ 15		15	ML		SILT (ML) - gray; damp; 10% clay, 90% silt; high plasticity; low estimated permeability.	16.0	
					SP		SAND (SP) - gray; medium dense; 5% silt, 95% sand.	19.0	
		B-17@ 19			SP		SAND (SP) - gray; damp; 5% silt, 90% sand, 5% gravel; no plasticity; moderate estimated permeability.	20.0	
				20			Rock layer; red.	21.0	
					SM		SILTY SAND (SM) - gray-brown; 20% silt, 80% sand; moderate plasticity; moderate estimated permeability.	23.0	
					SM		SILTY SAND (SM) - red-brown; 40% silt, 60% sand; high plasticity; low permeability.	24.0	
		B-17@ 25		25	ML		SILT (ML) - red-brown; 40% cay, 60% silt; high plasticity; low permeability.	26.0	
					SP		SAND (SP) - damp; red-brown; 5% silt, 95% medium to fine sand; no plasticity; moderate estimated permeability. ▽ Saturated at 28'.	28.0	
		B-17@ 29		30				30.0	Bottom of Boring @ 30 fbg

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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	BORING/WELL NAME	B-18
JOB/SITE NAME	9-2506 Oakland	DRILLING STARTED	04-Jun-07
LOCATION	2630 Broadway, Oakland, CA	DRILLING COMPLETED	06-Jun-07
PROJECT NUMBER	611962	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling & Testing, Inc.	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	2"	SCREENED INTERVAL	NA
LOGGED BY	J. Bostick	DEPTH TO WATER (First Encountered)	28.0 fbg (06-Jun-07)
REVIEWED BY	B. Carey P.G# 7820	DEPTH TO WATER (Static)	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Concrete (8")	0.7	
					CH		CLAY (CH) - brown; dry; 50% clay, 40% silt, 10% sand; high plasticity; low estimated permeability.		
		B-18@ 5		5					
		B-18@ 10		10	SM		SILTY SAND (SM) - brown; moist; 20% clay, 20% silt, 50% sand, 10% gravel; moderate plasticity; moderate estimated permeability.	10.0	
		B-18@ 15		15	SC		CLAYEY SAND (SC) - brown; moist; 35% clay, 15% silt, 50% fine sand; moderate plasticity; moderate estimated permeability.	15.0 16.0	
					SC		CLAYEY SAND (SC) - gray-brown; moist; 40% clay, 20% silt, 40% fine sand.	17.0	
		B-18@ 20		20	SM		SILTY SAND with GRAVEL (SM) - red-brown; moist; 10% clay, 10% silt, 60% fine sand, 20% gravel; moderate plasticity; moderate estimated permeability.		
		B-18@ 25		25	CH		SANDY CLAY (CH) - brown; moist; 50% clay, 20% silt, 30% fine sand; high plasticity; moderate estimated permeability.	25.0	
							▽	28.0	
					SC		CLAYEY SAND (SC) - brown; saturated; 20% clay, 10% silt, 70% fine sand; high estimated permeability.	28.5	
		B-18@ 30		30	CH		CLAY with SAND (CH) - brown; moist; 60% clay, 20% silt, 20% fine sand; high plasticity; low estimated permeability.		
		B-18@ 35		35				35.0	

WELL LOG (PID) R:\BOCKLI-1.CHE\9-2506-11GINT\9-2506.GPJ DEFAULT.GDT 8/8/07

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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	BORING/WELL NAME	B-18
JOB/SITE NAME	9-2506 Oakland	DRILLING STARTED	04-Jun-07
LOCATION	2630 Broadway, Oakland, CA	DRILLING COMPLETED	06-Jun-07

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					CH		CLAY (CH) - dark brown; moist; 75% clay, 15% silt, 10% fine sand; high plasticity; low estimated permeability.	36.0	Bottom of Boring @ 36 fbg

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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	BORING/WELL NAME	B-19
JOB/SITE NAME	9-2506 Oakland	DRILLING STARTED	04-Jun-07
LOCATION	2630 Broadway, Oakland, CA	DRILLING COMPLETED	06-Jun-07
PROJECT NUMBER	611962	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling & Testing, Inc.	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	2"	SCREENED INTERVAL	NA
LOGGED BY	J. Bostick	DEPTH TO WATER (First Encountered)	17.0 fbg (06-Jun-07) ▽
REVIEWED BY	B. Carey P.G# 7820	DEPTH TO WATER (Static)	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt (8")	0.7	6" 6"
							Concrete (8")	1.3	
					CL		SANDY CLAY (CL) - brown-green; dry; 40% clay, 30% silt, 30% fine sand; moderate plasticity; moderate estimated permeability.		
		B-19@ 5		5					
							Color change to brown.	7.5	
		B-19@ 10		10	SP		SAND (SP) - brown to greenish gray; dry; 10% silt, 80% medium to large grained sand, 10 % gravel.	10.0	
					SM		SILTY SAND with GRAVEL (SM) - brown; saturated; 10% clay, 10% silt, 60% medium sand, 20% gravel; low plasticity; moderate estimated permeability.	13.0	
		B-19@ 15		15	SM		SILTY SAND with GRAVEL (SM) - brown; saturated; 10% clay, 10% silt, 50% medium to coarse grained sand, 30% gravel; no plasticity; moderate estimated permeability. ▽	15.0	
					SM		SILTY SAND (SM) - brown; saturated; 10% clay, 10% silt, 70% medium sand, 10% gravel; no plasticity; high estimated permeability.	18.0	
				20	CL		CLAY with SAND (CL) - 60% clay, 20% silt, 20% sand; moderate plasticity; moderate estimated permeability.	19.0	
							Refusal at 21' - hard rock.	21.0	Bottom of Boring @ 21 fbg

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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	BORING/WELL NAME	B-20
JOB/SITE NAME	9-2506 Oakland	DRILLING STARTED	04-Jun-07
LOCATION	2630 Broadway, Oakland, CA	DRILLING COMPLETED	06-Jun-07
PROJECT NUMBER	611962	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling & Testing, Inc.	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	2"	SCREENED INTERVAL	NA
LOGGED BY	J. Bostick	DEPTH TO WATER (First Encountered)	25.0 fbg (06-Jun-07)
REVIEWED BY	B. Carey P.G# 7820	DEPTH TO WATER (Static)	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt (8")	0.7	
							Concrete (8")	1.3	
					CL		CLAY with SAND (CL) - brown; dry; 60% clay, 25% silt, 15% fine sand; moderate plasticity; moderate estimated permeability.	5.0	
		B-20@ 5		5	SM		SILTY SAND (SM) - brown; dry; 15% clay, 25% silt, 60% fine sand; low plasticity; moderate estimated permeability.	10.0	
		B-20@ 10		10	SM		SILTY SAND (SM) - brown; dry; 5% clay, 25% silt, 70% fine sand; no plasticity; moderate estimated permeability. Cherty rock layer.	11.0	
					SP		SAND (SP) - brown; dry; 10% silt, 80% sand, 10% gravel; no plasticity; moderate estimated permeability.	13.0	
		B-20@ 15		15	SM		SILTY SAND (SM) - brown; dry; 30% silt, 70% fine sand; no plasticity; moderate estimated permeability.	14.0	
					CH		SANDY CLAY (CH) - brown; 60% clay, 40% sand; high plasticity; low estimated permeability.	16.0	
		B-20@ 19.5		20	SM		SILTY SAND (SM) - brown; moist; 20% silt, 80% fine sand.	19.0	
					SM		SAND with SILT (SM) - brown; 10% silt, 90% fine sand.	21.0	
		B-20@ 25		25	SP		SAND with SILT and GRAVEL (SP) - brown; 10% silt, 70% sand, 20% gravel; no plasticity; moderate estimated permeability. ▽	23.0	
					ML		SILT (ML) - brown; saturated; 30% clay, 70% silt.	25.5	
					ML		SILT (ML) - brown; moist; 5% clay, 95% silt.	27.0	
				30				30.0	Bottom of Boring @ 30 fbg

WELL LOG (PID) R:\ROCKLI~1.CHE\9-2506~1\GINT\9-2506.GPJ DEFAULT.GDT 9/8/07

Conestoga-Rovers & Associates
2000 Opportunity Drive, Suite 110
Roseville, CA 95678
Telephone: (916) 677-3407
Fax: (916) 677-3687

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	BORING/WELL NAME	B-21
JOB/SITE NAME	9-2506 Oakland	DRILLING STARTED	07-Jun-07
LOCATION	2630 Broadway, Oakland, CA	DRILLING COMPLETED	07-Jun-07
PROJECT NUMBER	611962	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling & Testing, Inc.	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	2"	SCREENED INTERVAL	NA
LOGGED BY	J. Bostick	DEPTH TO WATER (First Encountered)	10.0 fbg (07-Jun-07)
REVIEWED BY	B. Carey P.G#7820	DEPTH TO WATER (Static)	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				5					
		B-21@ 6			SM		SILTY SAND (SM) - brown; moist; 10% clay, 30% silt, 60% sand; low plasticity; moderate estimated permeability.	6.0	
								9.0	
		B-21@ 10		10			SILTY SAND (SM) - green-brown; moist; 20% clay, 20% silt, 60% sand; moderate plasticity; moderate estimated permeability. ▽	11.0	
					SM		Color change to brown.		
		B-21@ 15		15				15.0	
					SC		CLAYEY SAND (SC) - brown; moist; 30% clay, 10% silt, 50% sand; 10% gravel; moderate plasticity; moderate estimated permeability.		
		B-21@ 20		20				20.0	
					CL		CLAY with SAND (CL) - brown; moist; 60% clay, 20% silt, 20% sand; moderate plasticity; moderate estimated permeability.		
		B-21@ 25		25				25.0	
					CL		CLAY (CL) - brown; moist; 60% clay, 30% silt, 10% sand; moderate plasticity; low estimated permeability.		
		B-21@ 30		30				30.0	
					CL		CLAY with SAND (CL) - brown; moist; 50% clay, 30% silt, 20% sand; moderate plasticity; low estimated permeability. Refusal at 30.5'.	30.5	Bottom of Boring @ 30.5 fbg

WELL LOG (PID) R:\ROCKLI~1.CHE\9-2506~1\GINT\9-2506.GPJ DEFAULT.GDT 8/9/07

APPENDIX B

SUMMARY OF ENVIRONMENTAL INVESTIGATION AND REMEDIATION

SUMMARY OF ENVIRONMENTAL INVESTIGATION AND REMEDIATION
FORMER CHEVRON SERVICE STATION 92506
2630 BROADWAY, OAKLAND, CA

1982 Leak Detection, Tank Removal, and Monitoring Well Installations

In early 1982, a leak was detected in the underground storage tank (UST) system in the northwest corner of the site. In March 1982, J.H. Kleinfelder & Associates (Kleinfelder), under the supervision of IT Enviroscience (IT), installed groundwater monitoring wells B-1 through B-8. No soil samples were collected from the well borings for laboratory analysis. In April 1982, the existing four steel USTs (two 7,500-gallon and one 4,000-gallon gasoline, and one 550-gallon used-oil) reportedly were replaced with new fiberglass tanks (three 10,000-gallon gasoline and one 1,000-gallon used-oil) and piping. The steel tanks reportedly had been installed in 1962, 1971, 1974, and 1981. No other information is available. Approximately 20 cubic yards of soil and 2,000 gallons of groundwater were removed and disposed offsite during the work. Observation wells TP-1 and TP-2 were installed in the new tank backfill. In May 1982, approximately 2.5 feet of light non-aqueous phase liquid (LNAPL) was observed in B-4. By June 1982, the LNAPL in B-4 had decreased to approximately 0.5 feet. Details of the investigations were presented in Kleinfelder's March 26, 1982 *Groundwater Monitoring Well Installation Report*, and IT's April 6, 1982 *Progress Report #1, Gasoline Leakage* and August 2, 1982 *Progress Report #2 (Final), Gasoline Leakage*.

1982-1983 LNAPL Removal

From August 1982 to February 1983, LNAPL was bailed from B-4 on a weekly basis, and was discontinued when it was no longer observed.

September 1993 Leak Detection and Monitoring Well Sampling

A leak was detected in the mid-grade gasoline product line to the east of the USTs. The line was repaired the following day. According to inventory records, the estimated product loss was at most 20 gallons. Sierra Environmental Services (SES) then sampled wells B-1 through B-8, TP-1, and TP-2; LNAPL was not observed in any of the wells. Details of the investigation were presented in SES's October 1, 1993 *Groundwater Sampling Report* and a letter from Chevron to Alameda County Environmental Health (ACEH) dated October 7, 1993.

July 1994 Monitoring Well Installations

Additional onsite monitoring well B-9 and offsite monitoring wells B-10 through B-12 were installed by RESNA Industries (RESNA). Two soil samples were collected from each of the well borings for laboratory analysis. Details of the work were presented in RESNA's December 1, 1994 *Environmental Assessment Report*.

March 1998 UST and Product Piping Removal and Sampling

Touchstone Developments (TD) observed the removal of the three 10,000-gallon gasoline USTs, the 1,000-gallon used-oil UST, piping, and two hydraulic hoists. No holes were observed in the USTs or piping upon removal. Groundwater was encountered in the gasoline UST excavation at approximately 11 feet below grade (fbg). After removal of the gasoline USTs, approximately 4,000 gallons of groundwater was pumped from the excavation and disposed offsite. Soil samples TX1 through TX8 were collected at 10.5 fbg from the sidewalls of the excavation, soil samples P1 through P11 were collected at 1.5 or 2 fbg beneath the dispensers and piping, soil samples UO1 and

UO2 were collected beneath the used-oil UST at approximately 8 fbg, and soil samples H1 and H2 were collected beneath each hoist at approximately 7 fbg.

Composite samples SP-1 (a-d) and SP-2 (a-d) were collected from the stockpiled soil from the gasoline UST and piping excavation and this material was subsequently used as backfill in the former gasoline UST excavation. Composite sample UOSP-1(a-d) was collected from the stockpiled soil from the used-oil UST excavation and this material was subsequently used to backfill the used-oil UST excavation. Details of the work were presented in TD's June 12, 1998 *UST and Product Piping Removal and Sampling Report*.

Although there is no documentation available, it appears that observation wells TP-1 and TP-2 and well B-2 were destroyed during the excavation work.

November 1998 Dispenser and Former Used-Oil Tank Over-Excavation
Over-excavation was performed in the area of the four former dispenser islands to depths of 5 to 9 fbg. Groundwater encountered at approximately 9 fbg prevented deeper excavation. Soil samples PX2, PX5, and PX7 through PX10 were collected from the bottom of the excavation areas. Approximately 160 cubic yards of impacted soil was removed from the former dispenser areas and disposed offsite. Fill material consisting of burnt wood, bricks, ashes, and concrete was encountered in the northern excavation areas.

The former used-oil tank area was also re-excavated to remove any possible hydrocarbon-impacted soil. Fill material consisting of burnt wood, bricks, ashes, and concrete was encountered in the excavation, as well as concrete footings, foundations, and basement floor slabs. These materials appeared to be associated with the former hospital that previously occupied the site. Composite sample UOSP-3(a&b) was collected of the fill material prior to it being placed back in the excavation. It appeared that elevated lead concentrations detected in the former used-oil tank excavation and in the northern dispenser island excavation; and likely the detections of semi-VOCs, were associated with the fill material observed in these areas and unrelated to the former service station activities. The impacted fill material likely was placed during demolition of the former hospital. Details of the work were presented in TD's March 24, 1999 *Soil Overexcavation/Remediation Report*.

September 1999 Oxygen Release Compound® (ORC)
Blaine Tech Services, Inc. installed ORC socks into wells B-1, B-3, B-5, B-6, B-7, and B-9 to reduce petroleum hydrocarbon concentrations via enhanced biodegradation. Nine to sixteen socks were installed in each of the wells.

June 2007 Subsurface Investigation
CRA advanced exploratory borings B-14 and B-17 through B-21 both on- and offsite. Proposed borings B-13, B-15, and B-16 were unable to be completed due to a subsurface concrete slab encountered between 4 and 6 fbg. Soil samples were collected at various depths from the borings (beginning at approximately 5 fbg) for laboratory analysis. Grab-groundwater samples were also collected from borings B-14 and B-17 through B-20. Details of the investigation were presented in CRA's September 11, 2007 *Subsurface Investigation Report*.

APPENDIX C

SECOND SEMI-ANNUAL 2012 GROUNDWATER MONITORING REPORT

GETTLER-RYAN INC.

TRANSMITTAL

October 25, 2012
G-R #385203

TO: Mr. James Kiernan
Conestoga-Rovers and Associates
10969 Trade Center Drive, Suite 107
Rancho Cordova, CA 95670

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, California 94568

RE: Former Chevron Service Station
#9-2506
2630 Broadway
Oakland, California
RO 0000146

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	October 17, 2012	Groundwater Monitoring and Sampling Report **Second Semi-Annual Event of September 14, 2012**

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced report for **your use and distribution to the following (including PDF submittal of the entire report to GeoTracker):**

Ms. Alexis Fischer, Chevron Environmental Management Company, 6101 Bollinger Canyon Road, San Ramon, CA 94583
Mr. Mark Detterman, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577
(No Hard Copy-CRA UPLOAD TO ALAMEDA CO.)
Mr. Thomas E. Peterson, Managing Member, Lakeshore Partners LLC, 780 W. Grand Avenue, Suite 200, Oakland, CA 94612

Enclosures

trans/9-2506

WELL CONDITION STATUS SHEET

Client/Facility #: **Chevron #9-2506**
Site Address: **2630 Broadway**
City: **Oakland, CA**

Job #: **385203**
Event Date: 9-14-12
Sampler: AW

WELL ID	Vault Frame Condition	Gasket/O-Ring (M) Missing (R) Replaced	BOLTS (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=Retap	APRON Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y / N	REPLACE CAP Y / N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Y / N
B-1	OK	→	→	1S	OK	→	→	N	N	Emco /12"/2	N
B-3	Ok	→	→	→	→	→	→	↓	↓	BL /8"/3	↓
B-5	OK	→	→	→	→	→	→			Emco /12"/2	
B-6	OK	→	→	→	→	→	→			↓	
B-7	OK	→	→	→	→	→	→			↓	
B-8	OK	→	→	1B/1S	OK	→	→			BL /8"/3	
B-9	OK	→	→	→	→	→	→			↓	
B-10	Ok	→	→	→	→	→	→			Emco /8"/2	
B-11	OK	→	→	1B/1S	OK	→	→			BL /8"/3	
B-12	OK	→	→	2S	OK	→	→	↓	↓	Brainard Kilman /8"/3	↓

Comments

GETTLER-RYAN INC.

October 17, 2012
G-R Job #385203

Ms. Alexis Fischer
Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, CA 94583

RE: Second Semi-Annual Event of September 14, 2012
Groundwater Monitoring & Sampling Report
Former Chevron Service Station #9-2506
2630 Broadway
Oakland, California

Dear Ms. Fischer:

This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached).

Static groundwater levels were measured and the wells were checked for the presence of separate-phase hydrocarbons. Static water level data, groundwater elevations, and separate-phase hydrocarbon thickness (if any) are presented in the attached Table 1. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. The chain of custody document and laboratory analytical report are also attached. All groundwater and decontamination water generated during sampling activities was removed from the site, per the Standard Operating Procedure.

Please call if you have any questions or comments regarding this report. Thank you.

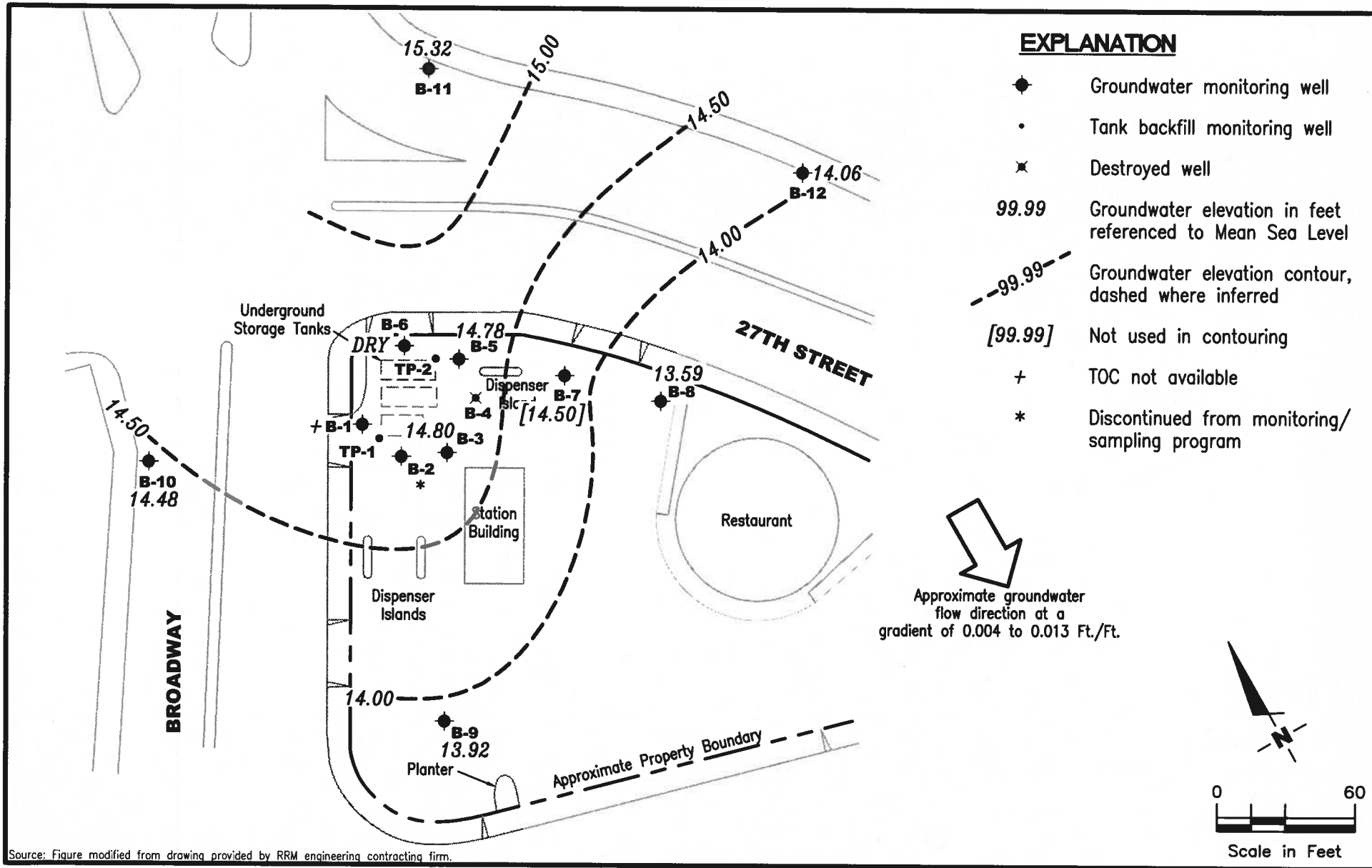
Sincerely,

Deanna L. Harding
Project Coordinator

PROFESSIONAL GEOLOGIST
DOUGLAS J. LEE
No. 6882
STATE OF CALIFORNIA

Douglas J. Lee
Senior Geologist, P.G. No. 6882

Figure 1: Potentiometric Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results - Oxygenate Compounds
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports



Source: Figure modified from drawing provided by RRM engineering contracting firm.

GETTLER - RYAN INC.
6747 Sierra Court, Suite J
Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP
Former Chevron Service Station #9-2506
2630 Broadway
Oakland, California

FIGURE
1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
385203		September 14, 2012	

FILE NAME: P:\Enviro\Chevron\9-2506\Q12-9-2506.DWG | Layout Tab: Pot3

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2506

2630 Broadway

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
B-1											
03/18/82	23.00	15.19	7.81	--	--	--	--	--	--	--	--
03/25/82	23.00	14.33	8.67	--	--	--	--	--	--	--	--
05/21/82	23.00	13.70	9.30	--	--	--	--	--	--	--	--
05/26/82	23.00	12.82	10.18	--	--	--	--	--	--	--	--
06/24/82	23.00	13.08	9.92	--	--	--	--	--	--	--	--
09/09/93	23.00	13.10	9.90	--	--	8,800[1]	240	280	<2.5	<7.5	--
12/02/93	23.00	13.90	9.10	--	--	1,100	100	7.9	3.4	3.9	--
03/17/94	23.00	13.59	9.41	--	--	1,600	370	13	13	26	--
06/10/94	23.00	13.11	9.89	--	--	1,400	270	24	18	78	--
09/15/94	23.00	11.76	11.24	--	--	4,100	740	<5.0	270	300	--
12/28/94	25.67	16.42	9.25	--	--	1,200	200	32	37	79	--
03/29/95	25.67	17.35	8.32	--	--	13,000	540	54	77	120	--
06/05/95	25.67	15.95	9.72	--	--	3,000	610	<25	<25	<25	--
09/21/95	25.67	14.75	10.92	--	--	630[1]	5.4	<0.5	1.3	6.1	--
12/22/95	25.67	15.53	10.14	--	--	<50	<0.5	<0.5	<0.5	<0.5	40,000
03/22/96	25.67	16.84	8.83	--	--	<1,200[1]	150	<12	<12	<12	32,000
09/25/96	25.67	14.87	10.80	--	--	28,000[1]	19	<12	<12	<12	38,000
03/06/97	25.67	16.52	9.15	--	--	<5,000	52	<50	<50	<50	18,000
09/12/97	25.67	14.95	10.72	--	--	89	<0.5	0.54	<0.5	1.3	9,200
04/02/98	25.67	16.41	9.26	--	--	<5,000	110	<50	<50	<50	25,000
09/15/98	25.67	15.15	10.52	--	--	<5,000	270	<50	<50	<60	51,000
03/09/99	25.69	17.44	8.25	--	--	418	27.2	<0.5	2.12	2.23	20,000/27,000[4]
07/29/99[5]	25.69	15.24	10.45	--	--	--	--	--	--	--	--
09/15/99	25.69	12.49	13.20	--	--	<2,000	<20	<20	<20	<20	37,000
03/01/00	25.69	14.24	11.45	--	--	308	<0.5	<0.5	<0.5	<0.5	23,000
08/31/00[7]	25.69	13.31	12.38	0.00	0.00	<500	<5.00	<5.00	<5.00	<5.00	20,600
03/09/01[7]	25.69	16.93	8.76	0.00	0.00	<1,000	<10.0	<10.0	<10.0	<10.0	15,600
09/21/01[7]	25.69	13.84	11.85	0.00	0.00	350	0.89	<0.50	<0.50	<1.5	9,500/9,400[12]
08/21/02[7]	25.69	13.79	11.90	0.00	0.00	200	<0.50	<0.50	<0.50	<1.5	6,500/6,500[12]
03/11/03[7]	25.69	14.16	11.53	0.00	0.00	310	0.76	<0.50	<0.50	<1.5	7,000/7,400[12]
09/05/03[7,13]	25.69	13.34	12.35	0.00	0.00	260	<5	<5	<5	<5	4,600
03/12/04[13,15]	--[14]	--[14]	10.59	0.00	0.00	210	<1	<1	<1	<1	3,900
08/30/04[13]	--[14]	--[14]	11.20	0.00	0.00	440	<5	<5	<5	<5	4,500
03/04/05[13]	--[14]	--[14]	9.31	0.00	0.00	200	10	<0.5	<0.5	<0.5	450

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2506

2630 Broadway

Oakland, California

WELL ID/ DATE		TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
B-1 (cont)												
09/01/05[13]		--[14]	--[14]	10.67	0.00	0.00	360	<0.5	<0.5	<0.5	<0.5	260
03/20/06[13]		--[14]	--[14]	9.32	0.00	0.00	320	10	<0.5	<0.5	<0.5	27
09/13/06[13]		--[14]	--[14]	18.87	0.00	0.00	240	<0.5	<0.5	<0.5	<0.5	2
02/26/07		INACCESSIBLE- VEHICLE PARKED OVER WELL				--	--	--	--	--	--	--
09/07/07[13]	NP	--[14]	--[14]	10.95	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1
03/11/08[13]		--[14]	--[14]	10.14	0.00	0.00	69	4	<0.5	<0.5	<0.5	10
09/12/08[13]	NP	--[14]	--[14]	11.45	0.00	0.00	83	<0.5	0.8	<0.5	1	0.8
03/31/09[13]	NP	--[14]	--[14]	10.40	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	7
09/24/09[13]		--[14]	--[14]	11.20	0.00	0.00	54	<0.5	<0.5	<0.5	<0.5	2
03/17/10[13]		--[14]	--[14]	9.56	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2
09/27/10[13]		--[14]	--[14]	11.38	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1
03/28/11[13]		--[14]	--[14]	9.08	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	4
09/10/11[13]		--[14]	--[14]	8.86	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2
03/21/12[13]		--[14]	--[14]	10.33	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/14/12[13]		**--[14]**	**--[14]**	**11.12**	**0.00**	**0.00**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**3**
B-3												
03/18/82		21.78	16.13	5.65	--	--	--	--	--	--	--	--
03/25/82		21.78	16.03	5.75	--	--	--	--	--	--	--	--
05/21/82		21.78	16.20	5.58	--	--	--	--	--	--	--	--
05/26/82		21.78	13.79	7.99	--	--	--	--	--	--	--	--
06/24/82		21.78	14.10	7.68	--	--	--	--	--	--	--	--
09/09/93		21.78	15.79	5.99	--	--	7,800	500	760	180	720	--
12/02/93		21.78	16.08	5.70	--	--	9,800	790	870	380	1,500	--
03/17/94		21.78	15.28	6.50	--	--	2,400	88	55	74	270	--
06/10/94		21.78	14.55	7.23	--	--	2,300	110	95	84	240	--
09/15/94		21.78	12.62	9.16	--	--	5,000	670	9.3	340	410	--
12/28/94		24.35	17.91	6.44	--	--	4,100	650	34	320	440	--
03/29/95		24.35	18.88	5.47	--	--	3,300	170	2.2	51	8.9	--
06/05/95		24.35	17.30	7.05	--	--	2,500	850	31	170	85	--
09/21/95		24.35	15.43	8.92	--	--	2,900[1]	1,300	280	140	100	--
12/22/95		24.35	15.82	8.53	--	--	5,400[1]	340	37	150	460	8,600
03/22/96		24.35	18.37	5.98	--	--	2,200	79	50	58	200	1,600

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2506

2630 Broadway

Oakland, California

WELL ID/ DATE		TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
B-3 (cont)												
09/25/96		24.35	15.33	9.02	--	--	11,000	530	97	74	400	7,200
03/06/97		24.35	17.64	6.71	--	--	<500	20	<5.0	<5.0	<5.0	420
09/12/97		24.35	15.04	9.31	--	--	<500[1]	<5.0	<5.0	<5.0	<5.0	1,900
04/02/98		24.35	17.02	7.33	--	--	110	8.3	0.79	4.0	7.4	590
09/15/98[3]		24.35	15.73	8.62	--	--	100	<0.5	<0.5	<0.5	<0.6	940
03/09/99		24.43	18.97	5.46	--	--	<50	<0.5	<0.5	<0.5	<0.5	25.2/31.6[4]
07/29/99[5]		24.43	15.51	8.92	--	--	--	--	--	--	--	--
09/15/99		24.43	14.43	10.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	1,300
03/01/00[6]		24.43	16.88	7.55	--	0.40	--	--	--	--	--	--
08/31/00[7]		24.43	13.90	10.53	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	3,230
03/09/01[7]		24.43	19.37	5.06	0.00	0.00	<250	<2.50	<2.50	<2.50	<2.50	3,370
09/21/01		24.43	UNABLE TO LOCATE - PAVED OVER			--	--	--	--	--	--	--
08/21/02		24.43	UNABLE TO LOCATE - PAVED OVER			--	--	--	--	--	--	--
03/11/03		24.43	16.06	8.37	0.00	0.00	NOT SAMPLED - DUE TO INSUFFICIENT WATER				--	--
09/05/03[13]		24.43	14.98	9.45	0.00	0.00	420	<5	<5	<5	<5	4,900
03/12/04[13]		24.43	16.95	7.48	0.00	0.00	470	3	1	<1	4	1,800
08/30/04[13]		24.43	14.60	9.83	0.00	0.00	600	<5	<5	<5	<5	5,800
03/04/05[13]		24.43	17.36	7.07	0.00	0.00	320	2	0.8	0.5	3	370
09/01/05[13]		24.43	15.61	8.82	0.00	0.00	290	<1	<1	<1	<1	1,100
03/20/06[13]		24.43	17.71	6.72	0.00	0.00	140	<0.5	12	<0.5	<0.5	76
09/13/06[13]		24.43	15.22	9.21	0.00	0.00	130	<0.5	<0.5	<0.5	<0.5	150
02/26/07[13]		24.43	15.95	8.48	0.00	0.00	220	<0.5	<0.5	<0.5	<0.5	39
09/07/07[13]		24.43	15.12	9.31	0.00	0.00	380	<0.5	0.8	<0.5	1	28
03/11/08[13]		24.43	16.54	7.89	0.00	0.00	170	<0.5	<0.5	<0.5	<0.5	8
09/12/08[13]	NP	24.43	14.31	10.12	0.00	0.00	370	<0.5	0.7	<0.5	0.7	8
03/31/09[13]	NP	24.43	16.22	8.21	0.00	0.00	830	7	0.7	1	11	21
09/24/09[13]		24.43	14.73	9.70	0.00	0.00	530	0.9	<0.5	<0.5	0.7	12
03/17/10[13]		24.43	17.12	7.31	0.00	0.00	120	<0.5	<0.5	<0.5	<0.5	2
09/27/10[13]		24.43	14.37	10.06	0.00	0.00	540	<0.5	0.6	<0.5	2	10
03/28/11[13]		24.43	17.32	7.11	0.00	0.00	130	<0.5	<0.5	<0.5	<0.5	1
09/10/11[13]		24.43	15.55	8.88	0.00	0.00	320	<0.5	0.8	<0.5	1	8
03/21/12[13]		24.43	15.62	8.81	0.00	0.00	270	<0.5	<0.5	<0.5	<0.5	2
09/14/12[13]		**24.43**	**14.80**	**9.63**	**0.00**	**0.00**	**440**	**<0.5**	**0.7**	**<0.5**	**2**	**4**

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2506

2630 Broadway

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
B-5											
03/18/82	21.53	16.40	5.13	--	--	--	--	--	--	--	--
03/25/82	21.53	16.26	5.27	--	--	--	--	--	--	--	--
05/21/82	21.53	17.13	4.40	--	--	--	--	--	--	--	--
05/26/82	21.53	13.98	7.55	--	--	--	--	--	--	--	--
06/24/82	21.53	14.26	7.27	--	--	--	--	--	--	--	--
09/09/93	21.53	15.08	6.45	--	--	110,000	1,800	1,800	6,300	25,000	--
12/02/93	21.53	16.40	5.13	--	--	81,000	4,400	3,800	6,700	28,000	--
03/17/94	21.53	14.98	6.55	--	--	38,000	2,100	3,100	1,800	9,100	--
06/10/94	21.53	14.19	7.34	--	--	110,000	5,100	7,000	5,400	27,000	--
09/15/94	21.53	15.19	6.34	--	--	2,700	770	15	240	320	--
12/28/94	24.23	17.68	6.55	--	--	94,000	4,600	10,000	4,400	19,000	--
03/29/95	24.23	18.64	5.59	--	--	59,000	1,500	3,100	2,100	8,100	--
06/05/95	24.23	17.04	7.19	--	--	58,000	2,300	4,300	2,600	11,000	--
09/21/95	24.23	15.13	9.10	--	--	3,500[1]	300	30	260	330	--
12/22/95	24.23	15.62	8.61	--	--	6,500[1]	370	120	400	870	5,500
03/22/96	24.23	18.21	6.02	--	--	13,000	410	1,000	750	2,900	5,400
09/25/96	24.23	15.03	9.20	--	--	8,000	170	<5.0	140	110	7,200
03/06/97	24.23	17.60	6.63	--	--	60,000	630	320	2,300	9,500	4,700
09/12/97	24.23	15.93	8.30	--	--	1,400	66	<10	59	24	3,300
04/02/98	24.23	17.00	7.23	--	--	1,000[1]	5.9	2.1	18	5.1	470
09/15/98	24.23	15.70	8.53	--	--	11,000	250	<100	290	740	4,600
03/09/99	24.23	18.79	5.44	--	--	51,900	598	623	3,070	11,400	2,250/2,970[4]
07/29/99[5]	24.23	16.13	8.10	--	--	--	--	--	--	--	--
09/15/99	24.23	14.27	9.96	--	--	3,500	210	39	63	230	6,300
03/01/00	24.23	18.09	6.14	--	--	32,400	238	110	1,710	6,500	1,300
08/31/00[7]	24.23	15.25	8.98	0.00	0.00	4,730[8]	55.5	<5.00	246	613	2,420
03/09/01	24.24	UNABLE TO LOCATE - WELL COVERED WITH DIRT AND ROCKS						--	--	--	--
09/21/01[7]	24.24	14.61	9.63	0.00	0.00	1,400	9.1	<0.50	6.2	24	1,700/1,600[12]
08/21/02[7]	24.24	14.93	9.31	0.00	0.00	1,800	2.7	<0.50	12	3.7	330/320[12]
03/11/03[7]	24.24	15.98	8.26	0.00	0.00	1,900	3.8	<0.50	72	30	550/620[12]
09/05/03[7,13]	24.24	12.79	11.45	0.00	0.00	770	1	<0.5	4	0.9	420
03/12/04[13,15]	24.24	16.93	7.31	0.00	0.00	3,000	2	0.7	87	76	49
08/30/04[13]	24.24	14.52	9.72	0.00	0.00	2,500	9	1	20	19	130
03/04/05[13]	24.24	17.60	6.64	0.00	0.00	590	0.5	<0.5	1	1	22

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2506

2630 Broadway

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
B-5 (cont)											
09/01/05[13]	24.24	15.48	8.76	0.00	0.00	1,500	2	<0.5	28	2	39
03/20/06[13]	24.24	17.63	6.61	0.00	0.00	1,200	0.6	<0.5	8	2	19
09/13/06[13]	24.24	14.87	9.37	0.00	0.00	830	1	<0.5	12	1	18
02/26/07[13]	24.24	15.22	9.02	0.00	0.00	320	<0.5	<0.5	<0.5	<0.5	12
09/07/07[13]	24.24	15.02	9.22	0.00	0.00	720	<0.5	<0.5	<0.5	<0.5	16
03/11/08[13]	24.24	16.53	7.71	0.00	0.00	2,700	2	<0.5	11	1	20
09/12/08[13]	24.24	14.33	9.91	0.00	0.00	440	0.9	<0.5	<0.5	<0.5	18
03/31/09[13]	24.24	16.29	7.95	0.00	0.00	530	0.6	<0.5	<0.5	<0.5	12
09/24/09[13]	24.24	14.49	9.75	0.00	0.00	250	<0.5	<0.5	<0.5	<0.5	13
03/17/10[13]	24.24	16.96	7.28	0.00	0.00	210	<0.5	<0.5	<0.5	<0.5	8
09/27/10[13]	24.24	14.12	10.12	0.00	0.00	650	0.6	<0.5	1	0.5	8
03/28/11[13]	24.24	17.59	6.65	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	4
09/10/11[13]	24.24	15.51	8.73	0.00	0.00	430	<0.5	<0.5	<0.5	<0.5	8
03/21/12[13]	24.24	16.01	8.23	0.00	0.00	280	<0.5	<0.5	<0.5	<0.5	4
09/14/12[13]	**24.24**	**14.78**	**9.46**	**0.00**	**0.00**	**160**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**5**
B-6											
03/18/82	22.03	14.47	7.56	--	--	--	--	--	--	--	--
03/25/82	22.03	15.95	6.08	--	--	--	--	--	--	--	--
05/21/82	22.03	17.18	4.85	--	--	--	--	--	--	--	--
05/26/82	22.03	13.72	8.31	--	--	--	--	--	--	--	--
06/24/82	22.03	14.00	8.03	--	--	--	--	--	--	--	--
09/09/93	22.03	13.91	8.12	--	--	6,800[1]	<0.5	<0.5	<0.5	<1.5	--
12/02/93	22.03	14.97	7.06	--	--	320	29	<0.5	<0.5	<0.5	--
03/17/94	22.03	14.46	7.57	--	--	570	130	6.2	4.7	14	--
06/10/94	22.03	13.82	8.21	--	--	1,500	100	81	51	240	--
09/15/94	22.03	12.09	9.94	--	--	6,400	900	24	490	620	--
12/28/94	24.72	17.27	7.45	--	--	350	110	4.4	3.7	14	--
03/29/95	24.72	18.32	6.40	--	--	3,300	46	<0.5	1.3	1.2	--
06/05/95	24.72	16.65	8.07	--	--	230	<0.5	<0.5	<0.5	<0.5	--
09/21/95	24.72	15.17	9.55	--	--	<50[1]	<0.5	<0.5	<0.5	<0.5	--
12/22/95	24.72	15.81	8.91	--	--	<50	<0.5	<0.5	<0.5	<0.5	15,000
03/22/96	24.72	17.78	6.94	--	--	<1,200[1]	<12	<12	<12	<12	18,000

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2506

2630 Broadway

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
B-6 (cont)											
09/25/96	24.72	15.09	9.63	--	--	15,000[1]	<10	<10	<10	<10	20,000
03/06/97	24.72	17.22	7.50	--	--	<5,000	<50	<50	<50	<50	18,000
09/12/97	24.72	15.02	9.70	--	--	<100[1]	<1.0	<1.0	<1.0	<1.0	1,300
04/02/98	24.72	16.91	7.81	--	--	<500	17	<5.0	<5.0	<5.0	5,800
09/15/98	24.72	15.69	9.03	--	--	210	<1.0	<1.0	<1.0	<1.2	8,800
03/09/99	25.16	18.49	6.67	--	--	<50	<0.5	<0.5	<0.5	<0.5	18.5/18.4[4]
07/29/99[5]	25.16	15.91	9.25	--	--	--	--	--	--	--	--
09/15/99	25.16	DRY	--	--	--	--	--	--	--	--	--
03/01/00	25.16	18.70	6.46	--	--	UNABLE TO SAMPLE			--	--	--
08/31/00[7]	25.16	DRY	--	--	--	--	--	--	--	--	--
03/09/01	25.11	19.25	5.86	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	49.7
09/21/01[11]	25.11	DRY	--	--	--	--	--	--	--	--	--
08/21/02[7]	25.11	DRY	--	--	--	--	--	--	--	--	--
03/11/03[7]	25.11	16.24	8.87	0.00	0.00	NOT SAMPLED - DUE TO INSUFFICIENT WATER				--	--
09/05/03[7]	25.11	DRY	--	--	--	--	--	--	--	--	--
03/12/04[15]	25.11	16.98	8.13	0.00	0.00	NOT SAMPLED - DUE TO INSUFFICIENT WATER				--	--
08/30/04	25.11	DRY	--	--	--	--	--	--	--	--	--
03/04/05[13]	25.11	17.66	7.45	0.00	0.00	110	<3	<3	<3	<3	2,200
09/01/05	25.11	DRY AT 8.93 FEET		--	--	--	--	--	--	--	--
03/20/06[13]	25.11	17.68	7.43	0.00	0.00	81	<0.5	<0.5	<0.5	<0.5	2,000
09/13/06	25.11	OBSTRUCTION IN WELL AT 9.17 FEET			--	--	--	--	--	--	--
02/26/07	25.11	DRY	--	--	--	--	--	--	--	--	--
09/07/07	25.11	DRY	--	--	--	--	--	--	--	--	--
03/11/08	25.11	16.53	8.58	0.00	0.00	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--
09/12/08	25.11	DRY	--	--	--	--	--	--	--	--	--
03/31/09	25.11	--[16]	8.79	0.00	0.00	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--
09/24/09	25.11	DRY	--	--	--	--	--	--	--	--	--
03/17/10[10]	25.11	16.96	8.15	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	10
09/27/10	25.11	DRY	--	--	--	--	--	--	--	--	--
03/28/11[13]	25.11	17.86	7.25	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	4
09/10/11	25.11	DRY	--	--	--	--	--	--	--	--	--
03/21/12[13]	25.11	DRY	--	--	--	--	--	--	--	--	--
09/14/12[13]	**25.11**	**DRY**	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2506

2630 Broadway

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
B-7											
03/18/82	19.54	15.46	4.08	--	--	--	--	--	--	--	--
03/25/82	19.54	15.54	4.00	--	--	--	--	--	--	--	--
05/21/82	19.54	16.54	3.00	--	--	--	--	--	--	--	--
05/26/82	19.54	14.58	4.96	--	--	--	--	--	--	--	--
06/24/82	19.54	14.64	4.90	--	--	--	--	--	--	--	--
09/09/93	19.54	13.00	6.54	--	--	230	1.3	2.3	0.6	2.1	--
12/02/93	19.54	13.34	6.20	--	--	190	4.7	<0.5	1.1	1.9	--
03/17/94	19.54	14.35	5.19	--	--	320	15	3.3	1.0	3.0	--
06/10/94	19.54	13.57	5.97	--	--	210	6.1	5.7	2.3	5.8	--
09/15/94	19.54	11.76	7.78	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/28/94	22.22	17.18	5.04	--	--	520	17	4.8	2.5	2.1	--
03/29/95	22.22	17.87	4.35	--	--	420	6.0	2.3	1.8	0.9	--
06/05/95	22.22	16.43	5.79	--	--	65	<0.5	<0.5	<0.5	<0.5	--
09/21/95	22.22	14.67	7.55	--	--	<50[1]	<0.5	<0.5	<0.5	<0.5	--
12/22/95	22.22	13.06	9.16	--	--	<50	<0.5	<0.5	<0.5	<0.5	930
03/22/96	22.22	17.62	4.60	--	--	300	1.0	0.5	<0.5	0.6	280
09/25/96	22.22	14.24	7.98	--	--	310[1]	<0.5	0.6	<0.5	0.8	420
03/06/97	22.22	17.16	5.06	--	--	1,200	9.0	<0.5	<0.5	2.9	1,000
09/12/97	22.22	14.37	7.85	--	--	<500[1]	<5.0	<5.0	<5.0	<5.0	3,500
04/02/98	22.22	17.90	4.32	--	--	<500	26	1.0	9.0	20	2,200
09/15/98	22.22	15.24	6.98	--	--	330	<0.5	<0.5	<0.5	<0.6	1,200
03/09/99	22.19	17.99	4.20	--	--	607	18.1	<5.0	<5.0	5.64	3,080/5,070[4]
07/29/99[5]	22.19	15.39	6.80	--	--	--	--	--	--	--	--
09/15/99	22.19	12.70	9.49	--	--	150	<0.5	<0.5	<0.5	0.64	1,100
03/01/00	22.19	17.22	4.97	--	--	230	<0.5	<0.5	<0.5	<0.5	557
08/31/00[7]	22.19	14.71	7.48	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	85.7
03/09/01[7]	22.18	18.54	3.64	0.00	0.00	235[9]	<0.500	<0.500	<0.500	<0.500	236
09/21/01[7]	22.18	14.35	7.83	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2[12]
08/21/02[7]	22.18	14.90	7.28	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	2.6/2[12]
03/11/03[7]	22.18	16.31	5.87	0.00	0.00	260	0.80	<0.50	<0.50	<1.5	22/19[12]
09/05/03[7,13]	22.18	14.24	7.94	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	3
03/12/04[13,15]	22.18	17.40	4.78	0.00	0.00	430	<0.5	<0.5	<0.5	<0.5	10
08/30/04[13]	22.18	12.93	9.25	0.00	0.00	72	<0.5	<0.5	<0.5	<0.5	33
03/04/05[13]	22.18	18.48	3.70	0.00	0.00	290	<0.5	<0.5	<0.5	<0.5	10

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2506

2630 Broadway

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
B-7 (cont)											
09/01/05[13]	22.18	15.20	6.98	0.00	0.00	110	<0.5	<0.5	<0.5	<0.5	21
03/20/06[13]	22.18	18.20	3.98	0.00	0.00	110	<0.5	<0.5	<0.5	<0.5	4
09/13/06[13]	22.18	14.81	7.37	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	29
02/26/07[13]	22.18	17.47	4.71	0.00	0.00	130	<0.5	<0.5	<0.5	<0.5	7
09/07/07[13]	22.18	14.87	7.31	0.00	0.00	75	<0.5	<0.5	<0.5	<0.5	28
03/11/08[13]	22.18	16.90	5.28	0.00	0.00	110	<0.5	<0.5	<0.5	<0.5	15
09/12/08[13]	22.18	13.81	8.37	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	32
03/31/09[13]	22.18	17.13	5.05	0.00	0.00	490	<0.5	<0.5	<0.5	<0.5	3
09/24/09[13]	22.18	14.64	7.54	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	18
03/17/10[13]	22.18	17.49	4.69	0.00	0.00	330	<0.5	<0.5	<0.5	<0.5	2
09/27/10[13]	22.18	14.36	7.82	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	9
03/28/11[13]	22.18	18.45	3.73	0.00	0.00	120	<0.5	<0.5	<0.5	<0.5	1
09/10/11[13]	22.18	15.22	6.96	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	14
03/21/12[13]	22.18	17.32	4.86	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	3
09/14/12[13]	**22.18**	**14.50**	**7.68**	**0.00**	**0.00**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**11**
B-8											
03/18/82	18.49	14.22	4.27	--	--	--	--	--	--	--	--
03/25/82	18.49	14.43	4.06	--	--	--	--	--	--	--	--
05/21/82	18.49	13.63	4.86	--	--	--	--	--	--	--	--
05/26/82	18.49	13.53	4.96	--	--	--	--	--	--	--	--
06/24/82	18.49	13.62	4.87	--	--	--	--	--	--	--	--
09/09/93	18.49	13.29	5.20	--	--	<50	3.4	<0.5	<0.5	<1.5	--
12/02/93	18.49	13.18	5.31	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/17/94	18.49	13.62	4.87	--	--	<50	1.7	0.5	<0.5	0.6	--
06/10/94	18.49	12.86	5.63	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/15/94	18.49	11.39	7.10	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/28/94	21.01	16.38	4.63	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/29/95	21.01	16.81	4.20	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/05/95	21.01	15.83	5.18	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/21/95	21.01	14.21	6.80	--	--	<50[1]	<0.5	<0.5	<0.5	<0.5	--
12/22/95	21.01	14.53	6.48	--	--	<50	<0.5	<0.5	<0.5	<0.5	190
03/22/96	21.01	16.52	4.49	--	--	<50	<0.5	<0.5	<0.5	<0.5	86

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2506

2630 Broadway

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
B-8 (cont)											
09/25/96	21.01	13.83	7.18	--	--	90[1]	<0.5	<0.5	<0.5	1.0	110
03/06/97	21.01	INACCESSIBLE		--	--	--	--	--	--	--	--
09/12/97	21.01	INACCESSIBLE		--	--	--	--	--	--	--	--
04/02/98	21.01	16.79	4.22	--	--	<50	<0.5	<0.5	<0.5	<0.5	56
09/15/98	21.01	14.03	6.98	--	--	<50	<0.5	<0.5	<0.5	<0.6	54
03/09/99	20.99	17.30	3.69	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/15/99	20.99	13.60	7.39	--	--	<50	<0.5	<0.5	<0.5	<0.5	52
03/01/00	20.99	17.43	3.56	--	--	<50	<0.5	<0.5	<0.5	<0.5	20.4
08/31/00	20.99	13.90	7.09	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	29.3
03/09/01	21.00	UNABLE TO LOCATE - WELL COVERED WITH DIRT				--	--	--	--	--	--
09/21/01	21.01	UNABLE TO LOCATE - WELL COVERED WITH DIRT				--	--	--	--	--	--
08/21/02	21.01	14.01	7.00	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	12/11[12]
03/11/03	21.01	15.26	5.75	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	5.3/4[12]
09/05/03[13]	21.01	13.98	7.03	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	9
03/12/04[13]	21.01	16.49	4.52	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	4
08/30/04[13]	21.01	13.43	7.58	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	10
03/04/05[13]	21.01	17.86	3.15	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2
09/01/05[13]	21.01	14.53	6.48	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	7
03/20/06[13]	21.01	17.49	3.52	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2
09/13/06[13]	21.01	14.20	6.81	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	5
02/26/07[13]	21.01	16.82	4.19	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1
09/07/07[13]	21.01	14.50	6.51	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2
03/11/08[13]	21.01	16.11	4.90	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1
09/12/08[13]	21.01	13.23	7.78	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	4
03/31/09[13]	21.01	16.05	4.96	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1
09/24/09[13]	21.01	14.20	6.81	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	5
03/17/10[13]	21.01	16.60	4.41	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/27/10[13]	21.01	13.66	7.35	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	6
03/28/11[13]	21.01	17.30	3.71	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/10/11[13]	21.01	14.33	6.68	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	6
03/21/12[13]	21.01	16.35	4.66	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/14/12[13]	**21.01**	**13.59**	**7.42**	**0.00**	**0.00**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**4**

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2506

2630 Broadway

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
B-9											
08/04/94	--	14.08	11.53	--	--	650	4.4	2.4	6.3	14	--
11/02/94	--	16.19	9.42	--	--	--	--	--	--	--	--
12/28/94	25.61	17.26	8.35	--	--	2,400	290	8.4	90	36	--
03/29/95	25.61	18.18	7.43	--	--	5,900	540	24	200	84	--
06/05/95	25.61	17.14	8.47	--	--	3,000	130	<25	<25	<25	--
09/21/95	25.61	16.62	8.99	--	--	240[1]	1,500	14	62	55	--
12/22/95	25.61	16.41	9.20	--	--	1,800	170	6.6	59	20	<6.0
03/22/96	25.61	17.77	7.84	--	--	2,400	230	6.2	77	9.7	9.2
09/25/96	25.61	16.37	9.24	--	--	1,800	28	4.7	39	13	56
03/06/97	25.61	17.15	8.46	--	--	3,400	68	3.3	45	18	47
09/12/97	25.61	16.46	9.15	--	--	560	13	7.9	5.8	16	67
04/02/98	25.61	17.68	7.93	--	--	2,500[1]	93	14	15	39	30
09/15/98[3]	25.61	16.54	9.07	--	--	1,400	<0.5	<0.5	<0.5	<0.6	69
03/09/99	22.93	16.05	6.88	--	--	1,160	133	10.1	7.5	3.27	178
07/29/99[5]	22.93	14.05	8.88	--	--	--	--	--	--	--	--
09/15/99	22.93	13.38	9.55	--	--	62	2.4	<0.5	<0.5	0.93	140
03/01/00	22.93	16.28	6.65	--	--	335	16.5	0.649	1.49	1.15	132
08/31/00[7]	22.93	13.59	9.34	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00
03/09/01[7]	22.93	16.58	6.35	0.00	0.00	1,840[10]	66.8	<2.00	7.61	7.42	<20.0
09/21/01	22.93	UNABLE TO LOCATE - PAVED OVER			--	--	--	--	--	--	--
08/21/02[7]	22.93	13.55	9.38	0.00	0.00	280	4.6	<0.50	0.75	1.6	31/37[12]
03/11/03[7]	22.93	14.02	8.91	0.00	0.00	830	36	2.6	<2.5	<7.5	100/71[12]
09/05/03[7,13]	22.93	13.52	9.41	0.00	0.00	520	8	<0.5	<0.5	<0.5	50
03/12/04[13,15]	22.93	14.57	8.36	0.00	0.00	1,000	66	3	2	11	56
08/30/04[13]	22.93	13.61	9.32	0.00	0.00	2,100	180	7	8	6	70
03/04/05[13]	22.93	15.98	6.95	0.00	0.00	2,800	160	6	6	9	79
09/01/05[13]	22.93	14.10	8.83	0.00	0.00	4,000	90	5	6	9	94
03/20/06[13]	22.93	15.93	7.00	0.00	0.00	2,800	110	4	4	6	77
09/13/06[13]	22.93	13.96	8.97	0.00	0.00	4,700	75	4	6	7	64
02/26/07[13]	22.93	15.22	7.71	0.00	0.00	2,800	67	3	6	4	50
09/07/07[13]	22.93	13.97	8.96	0.00	0.00	3,400	28	2	2	4	27
03/11/08[13]	22.93	14.61	8.32	0.00	0.00	1,800	14	0.6	2	1	42
09/12/08[13]	22.93	13.68	9.25	0.00	0.00	3,700	17	2	2	1	36
03/31/09[13]	22.93	15.22	7.71	0.00	0.00	4,400	66	7	5	8	33

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2506

2630 Broadway

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
B-9 (cont)											
09/24/09[13]	22.93	13.90	9.03	0.00	0.00	5,000	47	6	7	6	28
03/17/10[13]	22.93	15.22	7.71	0.00	0.00	3,200	40	5	5	5	28
09/27/10	22.93	13.51	9.42	0.00	0.00	2,800	6	2	2	1	33
03/28/11[13]	22.93	15.40	7.53	0.00	0.00	3,600	95	9	11	9	25
09/10/11[13]	22.93	14.22	8.71	0.00	0.00	2,700	6	4	2	4	33
03/21/12[13]	22.93	13.68	9.25	0.00	0.00	4,800	100	9	9	8	25
09/14/12[13]	**22.93**	**13.92**	**9.01**	**0.00**	**0.00**	**2,700**	**7**	**2**	**2**	**4**	**29**
B-10											
08/04/94	--	12.20	10.95	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/02/94	--	11.96	11.19	--	--	--	--	--	--	--	--
12/28/94	23.15	12.85	10.30	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/29/95	23.15	13.47	9.68	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/05/95	23.15	12.56	10.59	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/21/95	23.15	12.28	10.87	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/22/95	23.15	12.74	10.41	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.6
03/22/96	23.15	13.04	10.11	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/25/96	23.15	13.00	10.15	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
03/06/97	23.15	13.17	9.98	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/12/97	23.15	12.25	10.90	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
04/02/98	23.15	12.97	10.18	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/15/98[3]	23.15	12.24	10.91	--	--	<50	<0.5	<0.5	<0.5	<0.6	<10
03/09/99	25.56	INACCESSIBLE		--	--	--	--	--	--	--	--
03/19/99	25.56	15.51	10.05	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/15/99	25.56	14.80	10.76	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/01/00	25.56	15.78	9.78	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
08/31/00	25.56	14.88	10.68	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00
03/09/01	25.56	15.53	10.03	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00
09/21/01	25.56	14.79	10.77	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2[12]
08/21/02	25.56	15.00	10.56	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2[12]
03/11/03	25.56	14.97	10.59	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<0.5[12]
09/05/03[13]	25.56	14.69	10.87	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/12/04[13]	25.56	14.98	10.58	0.00	0.00	<50	<0.5	<0.5	0.7	6	0.5

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2630 Broadway

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
B-10 (cont)											
08/30/04[13]	25.56	15.07	10.49	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/04/05[13]	25.56	15.53	10.03	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/01/05[13]	25.56	14.94	10.62	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/20/06[13]	25.56	16.31	9.25	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/13/06[13]	25.56	14.68	10.88	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
02/26/07[13]	25.56	15.21	10.35	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/07/07[13]	25.56	14.75	10.81	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/11/08[13]	25.56	14.70	10.86	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/12/08[13]	25.56	14.38	11.18	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/31/09[13]	25.56	14.63	10.93	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/24/09[13]	25.56	14.48	11.08	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/17/10[13]	25.56	15.17	10.39	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/27/10	25.56	14.25	11.31	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
03/28/11[13]	25.56	15.68	9.88	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/10/11	25.56	14.65	10.91	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
03/21/12[13]	25.56	15.07	10.49	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/14/12	**25.56**	**14.48**	**11.08**	**0.00**	**0.00**	**SAMPLED ANNUALLY**		--	--	--	--
B-11											
08/04/94	--	14.84	10.39	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/02/94	--	13.73	11.50	--	--	--	--	--	--	--	--
12/28/94	25.23	16.14	9.09	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/29/95	25.23	17.83	7.40	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/05/95	25.23	16.97	8.26	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/21/95	25.23	15.44	9.79	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/22/95	25.23	15.68	9.55	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.6
03/22/96	25.23	17.88	7.35	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/25/96	25.23	15.02	10.21	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
03/06/97	25.23	17.47	7.76	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/12/97	25.23	15.15	10.08	--	--	<50	<0.5	<0.5	<0.5	<0.5	2.5
04/02/98	25.23	18.30	6.93	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/15/98	25.23	16.07	9.16	--	--	<50	0.82	1.5	<0.5	2.0	<10
03/09/99	25.27	18.39	6.88	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2506

2630 Broadway

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
B-11 (cont)											
09/15/99	25.27	15.58	9.69	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/01/00	25.27	18.85	6.42	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
08/31/00	25.27	15.97	9.30	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00
03/09/01	25.27	18.72	6.55	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00
09/21/01	25.27	15.21	10.06	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2[12]
08/21/02	25.27	15.80	9.47	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2[12]
03/11/03	25.27	16.72	8.55	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<0.5[12]
09/05/03[13]	25.27	15.16	10.11	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/12/04[13]	25.27	17.75	7.52	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
08/30/04[13]	25.27	14.51	10.76	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/04/05[13]	25.27	18.40	6.87	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/01/05[13]	25.27	16.06	9.21	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/20/06[13]	25.27	22.85	2.42	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/13/06[13]	25.27	15.65	9.62	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
02/26/07[13]	25.27	17.28	7.99	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/07/07[13]	25.27	15.23	10.04	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/11/08[13]	25.27	17.41	7.86	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/12/08[13]	25.27	14.42	10.85	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/31/09[13]	25.27	17.52	7.75	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/24/09[13]	25.27	15.11	10.16	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/17/10[13]	25.27	18.03	7.24	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/27/10	25.27	14.84	10.43	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
03/28/11[13]	25.27	19.22	6.05	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/10/11	25.27	16.14	9.13	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
03/21/12[13]	25.27	17.62	7.65	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/14/12	**25.27**	**15.32**	**9.95**	**0.00**	**0.00**	**SAMPLED ANNUALLY**		**--**	**--**	**--**	**--**
B-12											
08/04/94	--	13.99	6.41	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/02/94	--	11.65	8.75	--	--	--	--	--	--	--	--
12/28/94	20.40	17.64	2.76	--	--	74	1.0	2.6	1.3	4.4	--
03/29/95	20.40	17.94	2.46	--	--	210	<0.5	<0.5	0.7	1.6	--
06/05/95	20.40	15.81	4.59	--	--	<50	<0.5	<0.5	<0.5	0.7	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2506

2630 Broadway

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
B-12 (cont)											
09/21/95	20.40	13.04	7.36	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/22/95	20.40	16.44	3.96	--	--	140[1]	<0.5	<0.5	<0.5	0.93	<0.6
03/22/96	20.40	17.48	2.92	--	--	150	<0.5	0.8	<0.5	2.0	<5.0
09/25/96	20.40	12.56	7.84	--	--	90	<0.5	<0.5	<0.5	<0.5	<5.0
03/06/97	20.40	17.23	3.17	--	--	270[1]	<0.5	<0.5	<0.5	<0.5	<5.0
09/12/97	20.40	13.59	6.81	--	--	130[1]	<1.0	<1.0	<1.0	<1.0	<5.0
04/02/98	20.40	18.26	2.14	--	--	110[1]	1.2	<0.5	<0.5	<0.5	12
09/15/98	20.40	14.07	6.33	--	--	130	<0.5	<0.5	<0.5	<0.6	<10
03/09/99	20.40	17.95	2.45	--	--	1,380	<10	<10	<10	<10	<100
09/15/99	20.40	13.69	6.71	--	--	320	<0.5	<0.5	<0.5	1.1	<2.5
03/01/00	20.40	17.55	2.85	--	--	206	<1.0	<1.0	<1.0	<1.0	<5.0
08/31/00	20.40	13.90	6.50	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00
03/09/01	20.40	INACCESSIBLE - VEHICLE PARKED OVER WELL				--	--	--	--	--	--
09/21/01	20.41	12.78	7.63	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2[12]
08/21/02	20.41	13.99	6.42	0.00	0.00	58	<0.50	<0.50	<0.50	<1.5	<2.5/<2[12]
03/11/03	20.41	17.00	3.41	0.00	0.00	84	<0.50	<0.50	<0.50	<1.5	<2.5/<0.5[12]
09/05/03[13]	20.41	13.48	6.93	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/12/04[13]	20.41	17.68	2.73	0.00	0.00	120	<0.5	<0.5	<0.5	1	<0.5
08/30/04[13]	20.41	12.73	7.68	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/04/05[13]	20.41	18.33	2.08	0.00	0.00	86	<0.5	<0.5	<0.5	<0.5	<0.5
09/01/05	20.41	INACCESSIBLE - VEHICLE PARKED OVER WELL				--	--	--	--	--	--
03/20/06[13]	20.41	13.76	6.65	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/13/06[13]	20.41	14.26	6.15	0.00	0.00	270	<0.5	<0.5	11	<0.5	<0.5
02/26/07[13]	20.41	17.37	3.04	0.00	0.00	100	<0.5	<0.5	2	<0.5	<0.5
09/07/07[13]	20.41	14.28	6.13	0.00	0.00	100	<0.5	<0.5	2	<0.5	<0.5
03/11/08[13]	20.41	17.44	2.97	0.00	0.00	85	<0.5	<0.5	<0.5	<0.5	<0.5
09/12/08[13]	20.41	13.17	7.24	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/31/09[13]	20.41	17.78	2.63	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/24/09[13]	20.41	14.49	5.92	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/17/10[13]	20.41	18.26	2.15	0.00	0.00	98	<0.5	<0.5	<0.5	<0.5	<0.5
09/27/10	20.41	14.23	6.18	0.00	0.00	SAMPLED ANNUALLY			--	--	--
03/28/11[13]	20.41	18.30	2.11	0.00	0.00	63	<0.5	<0.5	<0.5	<0.5	<0.5

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2506

2630 Broadway

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
B-12 (cont)											
09/10/11	20.41	16.98	3.43	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
03/21/12[13]	20.41	18.16	2.25	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/14/12	**20.41**	**14.06**	**6.35**	**0.00**	**0.00**	**SAMPLED ANNUALLY**		--	--	--	--
TP-1											
09/09/93	--	--	7.33	--	--	8,500	770	890	120	590	--
NOT MONITORED/SAMPLED											
TP-2											
09/09/93	--	--	6.18	--	--	13,000	2,400	3,200	380	1,900	--
NOT MONITORED/SAMPLED											
B-2											
03/18/82	22.28	18.45	3.83	--	--	--	--	--	--	--	--
03/25/82	22.28	16.49	5.79	--	--	--	--	--	--	--	--
05/21/82	22.28	17.43	4.85	--	--	--	--	--	--	--	--
05/26/82	22.28	13.75	8.53	--	--	--	--	--	--	--	--
06/24/82	22.28	13.88	8.40	--	--	--	--	--	--	--	--
09/09/93	22.28	15.82	6.46	--	--	4,700	470	630	180	590	--
12/02/93	22.28	16.87	5.41	--	--	2,200	59	27	110	350	--
03/17/94	22.28	14.84	7.44	--	--	1,800	52	33	97	320	--
06/10/94	22.28	14.13	8.15	--	--	1,200	37	48	20	93	--
09/15/94	22.28	12.28	10.00	--	--	4,900	710	12	340	450	--
12/28/94	25.13	17.81	7.32	--	--	2,600	63	49	56	370	--
03/09/95[2]	--	--	--	--	--	--	--	--	--	--	--
03/09/01[2]	25.11	--	--	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED											
B-4											
03/18/82	21.35	16.70	4.65	--	--	--	--	--	--	--	--
03/25/82	21.35	16.27	5.08	--	--	--	--	--	--	--	--
05/21/82	21.35	--	--	SPH	--	--	--	--	--	--	--
05/26/82	21.35	12.14	9.21	--	--	--	--	--	--	--	--
06/24/82	21.35	13.13	8.22	SPH	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2506

2630 Broadway

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
B-4 (cont)											
09/09/93	21.35	15.26	6.09	--	--	88,000	3,200	16,000	2,000	9,500	--
12/02/93	21.35	15.81	5.54	--	--	110,000	3,600	25,000	2,800	15,000	--
03/17/94	21.35	15.35	6.00	--	--	60,000	1,400	16,000	1,800	8,900	--
06/10/94	21.35	14.48	6.87	--	--	25,000	770	880	190	1,100	--
09/15/94	21.35	12.61	8.74	--	--	3,300	800	8.0	300	350	--
12/28/94	24.11	18.37	5.74	--	--	17,000	400	4,000	630	2,900	--
03/29/95[2]	--	--	--	--	--	--	--	--	--	--	--
DESTROYED											
BAILER BLANK											
09/09/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
12/02/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/17/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	0.6	--
TRIP BLANK											
09/09/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
12/02/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/17/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/10/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/15/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/28/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/29/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/05/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/21/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/22/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.6
03/22/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/25/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
03/06/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/12/97	--	--	--	--	--	<50	<0.5	0.55	<0.5	<0.5	<2.5
04/02/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/15/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.6	<10
03/09/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/15/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	4.5
03/01/00	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2506

2630 Broadway

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
QA											
08/31/00	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00
03/09/01	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00
09/21/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
08/21/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
03/11/03	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
09/05/03[13]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/12/04[13]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
08/30/04[13]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/04/05[13]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/01/05[13]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/20/06[13]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/13/06[13]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
02/26/07[13]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/07/07[13]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/11/08[13]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/12/08[13]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/31/09[13]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
DISCONTINUED											
09/14/12[13]	--	--	--	--	--	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2506

2630 Broadway

Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to August 31, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing
(ft.) = Feet
GWE = Groundwater Elevation
(msl) = Mean sea level
DTW = Depth to Water
SPHT = Separate Phase Hydrocarbon Thickness
SPH = Separate Phase Hydrocarbons
TPH = Total Petroleum Hydrocarbons
GRO = Gasoline Range Organics
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl Tertiary Butyl Ether
(µg/L) = Micrograms per liter
-- = Not Measured/Not Analyzed
QA = Quality Assurance/Trip Blank
NP = No Purge

* TOC elevations were surveyed on December 27, 2000, by Virgil Chavez Land Surveying. The benchmark for the survey was a City of Oakland benchmark, being a disc in a monument well in the sidewalk on Broadway, near the southwest corner of the site. (Benchmark Elevation = 24.182 feet, msl).

1 Chromatogram pattern indicated an unidentified hydrocarbon.
2 Well removed from monitoring program January 11, 1995, per approval of Alameda County Health Services.
3 Well analyzed for Semi-Volatile Organics Compounds (SVOCs). All compounds were not detected (ND).
4 Confirmation run.
5 ORC installed.
6 Free product encountered during purge.
7 ORC in well.
8 Laboratory report indicates gasoline C6-C12.
9 Laboratory report indicates unidentified hydrocarbons C6-C12.
10 Laboratory report indicates weathered gasoline C6-C12.
11 Removed and replaced ORC in well.
12 MTBE by EPA Method 8260.
13 BTEX and MTBE by EPA Method 8260.
14 TOC has been altered; unable to determine GWE.
15 Removed ORC from well.
16 Insufficient water to determine GWE.

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Former Chevron Service Station #9-2506

2630 Broadway

Oakland, California

WELL ID	DATE	ETHANOL (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
B-1	09/21/01	--	3,200	9,400	<2	21	130	<2	<2
	08/21/02	--	1,400	6,500	<3.0	16	85	<3.0	<3.0
	03/11/03	--	1,800	7,400	<3	18	100	<3	<3
	09/05/03	<500	1,100	4,600	<5	16	69	<5	<5
	03/12/04	<100	1,100	3,900	<1	15	60	<1	<1
	08/30/04	<500	1,000	4,500	<5	15	63	<5	<5
	03/04/05	<50	2,500	450	<0.5	11	5	<0.5	<0.5
	09/01/05	<50	1,900	260	<0.5	10	2	<0.5	<0.5
	03/20/06	<50	1,200	27	<0.5	7	<0.5	<0.5	<0.5
	09/13/06	<50	1,500	2	<0.5	5	<0.5	<0.5	<0.5
	02/26/07	INACCESSIBLE - VEHICLE PARKED OVER WELL				--	--	--	--
	09/07/07	<50	400	1	<0.5	3	<0.5	<0.5	<0.5
	03/11/08	<50	720	10	<0.5	7	<0.5	<0.5	<0.5
	09/12/08	<50	680	0.8	<0.5	5	<0.5	<0.5	<0.5
	03/31/09	<50	300	7	<0.5	4	<0.5	<0.5	<0.5
	09/24/09	<50	560	2	<0.5	5	<0.5	<0.5	<0.5
	03/17/10	--	160	2	<0.5	3	<0.5	<0.5	<0.5
	09/27/10	--	200	1	<0.5	2	<0.5	<0.5	<0.5
	03/28/11	--	4	4	<0.5	0.6	<0.5	<0.5	<0.5
	09/10/11	--	340	2	<0.5	3	<0.5	<0.5	<0.5
	03/21/12	--	57	<0.5	<0.5	0.8	<0.5	<0.5	<0.5
	09/14/12	**--**	**120**	**3**	**<0.5**	**1**	**<0.5**	**<0.5**	**<0.5**
B-3	09/21/01	UNABLE TO LOCATE - PAVED OVER			--	--	--	--	--
	08/21/02	UNABLE TO LOCATE - PAVED OVER			--	--	--	--	--
	03/11/03	NOT SAMPLED - DUE TO INSUFFICIENT WATER				--	--	--	--
	09/05/03	<500	1,200	4,900	<5	22	64	<5	<5
	03/12/04	<100	580	1,800	<1	6	29	<1	<1
	08/30/04	<500	1,100	5,800	<5	21	75	<5	<5
	03/04/05	<50	340	370	<0.5	2	5	<0.5	<0.5
	09/01/05	<100	1,100	1,100	<1	7	15	<1	<1
	03/20/06	<50	150	76	<0.5	0.6	1	<0.5	<0.5
	09/13/06	<50	2,100	150	<0.5	8	2	<0.5	<0.5
	02/26/07	<50	1,700	39	<0.5	4	0.9	<0.5	<0.5
	09/07/07	<50	1,800	28	<0.5	6	0.6	<0.5	<0.5
	03/11/08	<50	370	8	<0.5	1	<0.5	<0.5	<0.5
	09/12/08	<50	3,000	8	<0.5	10	<0.5	<0.5	<0.5

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Former Chevron Service Station #9-2506

2630 Broadway

Oakland, California

WELL ID	DATE	ETHANOL (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
B-3 (cont)	03/31/09	<50	1,100	21	<0.5	4	0.7	<0.5	<0.5
	09/24/09	<50	2,500	12	<0.5	8	<0.5	<0.5	<0.5
	03/17/10	--	130	2	<0.5	<0.5	<0.5	<0.5	<0.5
	09/27/10	--	1,400	10	<0.5	5	0.6	<0.5	<0.5
	03/28/11	--	86	1	<0.5	<0.5	<0.5	<0.5	<0.5
	09/10/11	--	590	8	<0.5	2	<0.5	<0.5	<0.5
	03/21/12	--	1,100	2	<0.5	4	<0.5	<0.5	<0.5
	09/14/12	--	**1,600**	**4**	**<0.5**	**6**	**<0.5**	**<0.5**	**<0.5**
B-5	09/21/01	--	210	1,600	<2	39	25	<2	<2
	08/21/02	--	<100	320	<2	8	4	<2	<2
	03/11/03	--	20	620	<0.5	13	7	<0.5	<0.5
	09/05/03	<50	11	420	<0.5	11	5	<0.5	<0.5
	03/12/04	<50	<5	49	<0.5	1	0.6	<0.5	<0.5
	08/30/04	<50	<5	130	<0.5	4	2	<0.5	<0.5
	03/04/05	<50	<5	22	<0.5	0.6	<0.5	<0.5	<0.5
	09/01/05	<50	<5	39	<0.5	1	0.6	<0.5	<0.5
	03/20/06	<50	<5	19	<0.5	0.5	<0.5	<0.5	<0.5
	09/13/06	<50	13	18	<0.5	0.9	<0.5	<0.5	<0.5
	02/26/07	<50	5	12	<0.5	<0.5	<0.5	<0.5	<0.5
	09/07/07	<50	98	16	<0.5	5	<0.5	<0.5	<0.5
	03/11/08	<50	7	20	<0.5	1	0.5	<0.5	<0.5
	09/12/08	<50	12	18	<0.5	1	<0.5	<0.5	<0.5
	03/31/09	<50	10	12	<0.5	<0.5	<0.5	<0.5	<0.5
	09/24/09	<50	9	13	<0.5	1	<0.5	<0.5	<0.5
	03/17/10	--	3	8	<0.5	<0.5	<0.5	<0.5	<0.5
	09/27/10	--	7	8	<0.5	0.8	<0.5	<0.5	<0.5
	03/28/11	--	<2	4	<0.5	<0.5	<0.5	<0.5	<0.5
	09/10/11	--	13	8	<0.5	<0.5	<0.5	<0.5	<0.5
	03/21/12	--	<2	4	<0.5	<0.5	<0.5	<0.5	<0.5
	09/14/12	--	**4**	**5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
B-6	09/21/01	DRY	--	--	--	--	--	--	--
	08/21/02	DRY	--	--	--	--	--	--	--
	03/11/03	NOT SAMPLED - DUE TO INSUFFICIENT WATER				--	--	--	--
	09/05/03	NOT SAMPLED - DUE TO INSUFFICIENT WATER				--	--	--	--

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Former Chevron Service Station #9-2506

2630 Broadway

Oakland, California

WELL ID	DATE	ETHANOL (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
B-6 (cont)	08/30/04	DRY	--	--	--	--	--	--	--
	03/04/05	<250	<25	2,200	<3	32	24	<3	<3
	09/01/05	DRY AT 8.93 FEET		--	--	--	--	--	--
	03/20/06	<50	<5	2,000	<0.5	30	23	<0.5	<0.5
	09/13/06	OBSTRUCTION IN WELL AT 9.17 FEET			--	--	--	--	--
	02/26/07	DRY	--	--	--	--	--	--	--
	09/07/07	DRY	--	--	--	--	--	--	--
	03/11/08	NOT SAMPLED - DUE TO INSUFFICIENT WATER				--	--	--	--
	09/12/08	DRY	--	--	--	--	--	--	--
	03/31/09	NOT SAMPLED - DUE TO INSUFFICIENT WATER				--	--	--	--
	09/24/09	DRY	--	--	--	--	--	--	--
	03/17/10	--	<2	10	<0.5	17	<0.5	<0.5	<0.5
	09/27/10	DRY	--	--	--	--	--	--	--
	03/28/11	--	<2	4	<0.5	13	<0.5	<0.5	<0.5
	09/10/11	DRY	--	--	--	--	--	--	--
	03/21/12	DRY	--	--	--	--	--	--	--
	09/14/12	**DRY**	--	--	--	--	--	--	--
B-7	09/21/01	--	<100	<2	<2	<2	<2	<2	<2
	08/21/02	--	<100	2	<2	<2	<2	<2	<2
	03/11/03	--	<5	19	<0.5	<0.5	0.6	<0.5	<0.5
	09/05/03	<50	<5	3	<0.5	<0.5	<0.5	<0.5	<0.5
	03/12/04	<50	<5	10	<0.5	<0.5	<0.5	<0.5	<0.5
	08/30/04	<50	<5	33	<0.5	<0.5	<0.5	<0.5	<0.5
	03/04/05	<50	<5	10	<0.5	<0.5	<0.5	<0.5	<0.5
	09/01/05	<50	<5	21	<0.5	<0.5	<0.5	<0.5	<0.5
	03/20/06	<50	<5	4	<0.5	<0.5	<0.5	<0.5	<0.5
	09/13/06	<50	<5	29	<0.5	<0.5	<0.5	<0.5	<0.5
	02/26/07	<50	<2	7	<0.5	<0.5	<0.5	<0.5	<0.5
	09/07/07	<50	<2	28	<0.5	<0.5	<0.5	<0.5	<0.5
	03/11/08	<50	<2	15	<0.5	<0.5	<0.5	<0.5	<0.5
	09/12/08	<50	<2	32	<0.5	<0.5	<0.5	<0.5	<0.5
	03/31/09	<50	<2	3	<0.5	<0.5	<0.5	<0.5	<0.5
	09/24/09	<50	<2	18	<0.5	<0.5	<0.5	<0.5	<0.5
	03/17/10	--	<2	2	<0.5	<0.5	<0.5	<0.5	<0.5
	09/27/10	--	<2	9	<0.5	<0.5	<0.5	<0.5	<0.5
	03/28/11	--	<2	1	<0.5	<0.5	<0.5	<0.5	<0.5

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Former Chevron Service Station #9-2506

2630 Broadway

Oakland, California

WELL ID	DATE	ETHANOL (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
B-7 (cont)	09/10/11	--	<2	14	<0.5	<0.5	<0.5	<0.5	<0.5
	03/21/12	--	<2	3	<0.5	<0.5	<0.5	<0.5	<0.5
	09/14/12	**--**	**<2**	**11**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
B-8	09/21/01	--	UNABLE TO LOCATE - WELL COVERED WITH DIRT				--	--	--
	08/21/02	--	<100	11	<2	<2	<2	<2	<2
	03/11/03	--	<5	4	<0.5	<0.5	<0.5	<0.5	<0.5
	09/05/03	<50	<5	9	<0.5	<0.5	<0.5	<0.5	<0.5
	03/12/04	<50	<5	4	<0.5	<0.5	<0.5	<0.5	<0.5
	08/30/04	<50	<5	10	<0.5	<0.5	<0.5	<0.5	<0.5
	03/04/05	<50	<5	2	<0.5	<0.5	<0.5	<0.5	<0.5
	09/01/05	<50	<5	7	<0.5	<0.5	<0.5	<0.5	<0.5
	03/20/06	<50	<5	2	<0.5	<0.5	<0.5	<0.5	<0.5
	09/13/06	<50	<5	5	<0.5	<0.5	<0.5	<0.5	<0.5
	02/26/07	<50	<2	1	<0.5	<0.5	<0.5	<0.5	<0.5
	09/07/07	<50	<2	2	<0.5	<0.5	<0.5	<0.5	<0.5
	03/11/08	<50	<2	1	<0.5	<0.5	<0.5	<0.5	<0.5
	09/12/08	<50	<2	4	<0.5	<0.5	<0.5	<0.5	<0.5
	03/31/09	<50	<2	1	<0.5	<0.5	<0.5	<0.5	<0.5
	09/24/09	<50	<2	5	<0.5	<0.5	<0.5	<0.5	<0.5
	03/17/10	--	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/27/10	--	<2	6	<0.5	<0.5	<0.5	<0.5	<0.5
	03/28/11	--	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/10/11	--	<2	6	<0.5	<0.5	<0.5	<0.5	<0.5
	03/21/12	--	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/14/12	**--**	**<2**	**4**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
B-9	09/21/01	--	UNABLE TO LOCATE - PAVED OVER			--	--	--	--
	08/21/02	--	<100	37	<2	<2	<2	<2	<2
	03/11/03	--	91	71	<0.5	<0.5	1	<0.5	<0.5
	09/05/03	<50	71	50	<0.5	<0.5	0.8	<0.5	<0.5
	03/12/04	<50	86	56	<0.5	<0.5	0.7	<0.5	<0.5
	08/30/04	<50	160	70	<0.5	<0.5	1	<0.5	<0.5
	03/04/05	<50	130	79	<0.5	<0.5	1	<0.5	<0.5
	09/01/05	<50	130	94	<0.5	<0.5	2	<0.5	<0.5
	03/20/06	<50	110	77	<0.5	<0.5	2	<0.5	<0.5

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Former Chevron Service Station #9-2506

2630 Broadway

Oakland, California

WELL ID	DATE	ETHANOL (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
B-9 (cont)	09/13/06	<50	130	64	<0.5	<0.5	1	<0.5	<0.5
	02/26/07	<50	100	50	<0.5	<0.5	1	<0.5	<0.5
	09/07/07	<50	130	27	<0.5	<0.5	0.5	<0.5	<0.5
	03/11/08	<50	110	42	<0.5	<0.5	0.9	<0.5	<0.5
	09/12/08	<50	110	36	<0.5	<0.5	0.6	<0.5	<0.5
	03/31/09	<50	96	33	<0.5	<0.5	0.6	<0.5	<0.5
	09/24/09	<50	120	28	<0.5	<0.5	<0.5	<0.5	0.5
	03/17/10	--	64	28	<0.5	<0.5	0.6	<0.5	<0.5
	09/27/10	--	98	33	<0.5	<0.5	<0.5	<0.5	<0.5
	03/28/11	--	99	25	<0.5	<0.5	<0.5	<0.5	0.6
	09/10/11	--	100	33	<0.5	<0.5	0.6	<0.5	0.6
	03/21/12	--	100	25	<0.5	<0.5	<0.5	<0.5	<0.5
	09/14/12	**--**	**100**	**29**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
B-10	09/21/01	--	<100	<2	<2	<2	<2	<2	<2
	08/21/02	--	<100	<2	<2	<2	<2	<2	<2
	03/11/03	--	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/05/03	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	03/12/04	<50	<5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	08/30/04	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	03/04/05	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/01/05	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	03/20/06	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/13/06	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	02/26/07	<50	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/07/07	<50	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	03/11/08	<50	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/12/08	<50	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	03/31/09	<50	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/24/09	<50	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	03/17/10	--	3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/27/10	SAMPLED ANNUALLY		--	--	--	--	--	--
	03/28/11	--	--	<0.5	--	--	--	--	--
	03/21/12	--	--	<0.5	--	--	--	--	--

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Former Chevron Service Station #9-2506

2630 Broadway

Oakland, California

WELL ID	DATE	ETHANOL (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
B-11	09/21/01	--	<100	<2	<2	<2	<2	<2	<2
	08/21/02	--	<100	<2	<2	<2	<2	<2	<2
	03/11/03	--	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/05/03	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	03/12/04	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	08/30/04	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	03/04/05	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/01/05	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	03/20/06	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/13/06	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	02/26/07	<50	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/07/07	<50	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	03/11/08	<50	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/12/08	<50	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	03/31/09	<50	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/24/09	<50	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	03/17/10	--	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/27/10	SAMPLED ANNUALLY		--	--	--	--	--	--
	03/28/11	--	--	<0.5	--	--	--	--	--
	03/21/12	--	--	<0.5	--	--	--	--	--
B-12	09/21/01	--	<100	<2	<2	<2	<2	<2	<2
	08/21/02	--	<100	<2	<2	<2	<2	<2	<2
	03/11/03	--	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/05/03	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	03/12/04	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	08/30/04	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	03/04/05	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/01/05	INACCESSIBLE - VEHICLE PARKED OVER WELL				--	--	--	--
	03/20/06	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/13/06	<50	16	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	02/26/07	<50	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/07/07	<50	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	03/11/08	<50	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/12/08	<50	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	03/31/09	<50	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Former Chevron Service Station #9-2506

2630 Broadway

Oakland, California

WELL ID	DATE	ETHANOL (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
B-12 (cont)	09/24/09	<50	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	03/17/10	--	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/27/10	SAMPLED ANNUALLY		--	--	--	--	--	--
	03/28/11	--	--	<0.5	--	--	--	--	--
	03/21/12	--	--	<0.5	--	--	--	--	--

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Former Chevron Service Station #9-2506

2630 Broadway

Oakland, California

EXPLANATIONS:

TBA = t-Butyl alcohol
MTBE = Methyl Tertiary Butyl Ether
DIPE = di-Isopropyl ether
ETBE = Ethyl t-butyl ether
TAME = t-Amyl methyl ether
1,2-DCA = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
(µg/L) = Micrograms per liter
-- = Not Analyzed

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. (GR) field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. All work is performed in accordance with the GR Health & Safety Plan and all client-specific programs. The scope of work and type of analysis to be performed is determined prior to commencing field work.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, all depth to water level measurements are collected with a static water level indicator and are also recorded in the field notes, prior to purging and sampling any wells.

After water levels are collected and prior to sampling, if purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, peristaltic or Grundfos), or disposable bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging (additional parameters such as dissolved oxygen, oxidation reduction potential, turbidity may also be measured, depending on specific scope of work.). Purging continues until these parameters stabilize.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards, as directed by the scope of work. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Chevron Environmental Management Company, the purge water and decontamination water generated during sampling activities is transported by Clean Harbors Environmental Services to Evergreen Oil located in Newark, California.

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-2506 | Job Number: 385203
Site Address: 2630 Broadway | Event Date: 9-14-12 (inclusive)
City: Oakland, CA | Sampler: AW

Well ID: B- | Date Monitored: 9-14-12
Well Diameter: 2 in.
Total Depth: 29.02 ft.
Depth to Water: 11.12 ft. ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

17.90 xVF .17 = 3.04 x3 case volume = Estimated Purge Volume: 9.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.70

Purge Equipment:

Disposable Bailer	✓
Stainless Steel Bailer	
Stack Pump	
Suction Pump	
Grundfos	
Peristaltic Pump	
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	✓
Pressure Bailer	
Discrete Bailer	
Peristaltic Pump	
QED Bladder Pump	
Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 0945 | Weather Conditions: Cloudy
Sample Time/Date: 1030 / 9-14-12 | Water Color: Cloudy | Odor: Y (N)
Approx. Flow Rate: - gpm. | Sediment Description: Cloudy
Did well de-water? N | If yes, Time: — | Volume: - gal. | DTW @ Sampling: 13-36

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm ~~mS~~)	Temperature ((C) / F)	D.O. (mg/L)	ORP (mV)
0955	3.5	6.75	299	20.3		
1003	7.0	6.92	274	20.5		
1015	9.5	7.00	2.50	20.4		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
B-	x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)
	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)/ 7 OXYS (8260)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-2506 Job Number: 385203
Site Address: 2630 Broadway Event Date: 9-14-12 (inclusive)
City: Oakland, CA Sampler: AW

Well ID B-3 Date Monitored: 9-14-12
Well Diameter 2 in.
Total Depth 16.17 ft.
Depth to Water 9.63 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

6.54 xVF .17 = 1.11 x3 case volume = Estimated Purge Volume: 3.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.93

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Peristaltic Pump
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer ✓
Pressure Bailer
Discrete Bailer
Peristaltic Pump
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time ~~(purge)~~: 1215 Weather Conditions: Cloudy / Sunny
Sample Time/Date: 1235 / 9-14-12 Water Color: black Odor: Y / N moderate
Approx. Flow Rate: — gpm. Sediment Description: cloudy
Did well de-water? — If yes, Time: — Volume: — gal. DTW @ Sampling: 9.63

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
B-3	x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)
	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)/ 7 OXYS (8260)

COMMENTS: Casing bent, No purge sample using pin bailer

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #9-2506** Job Number: **385203**
Site Address: **2630 Broadway** Event Date: 9-14-12 (inclusive)
City: **Oakland, CA** Sampler: AW

Well ID B-5 Date Monitored: 9-14-12
Well Diameter 2 in.
Total Depth 19.52 ft.
Depth to Water 9.46 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

10.06 xVF .17 = 1.71 x3 case volume = Estimated Purge Volume: 5.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.47

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	✓	Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Discrete Bailer	
Suction Pump		Peristaltic Pump	
Grundfos		QED Bladder Pump	
Peristaltic Pump		Other:	
QED Bladder Pump			
Other:			

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1045 Weather Conditions: Sunny
Sample Time/Date: 1115 / 9-14-12 Water Color: black Odor Y / N strong
Approx. Flow Rate: — gpm. Sediment Description: Cloudy
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 11.01

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1050	2.0	6.81	242	20.7		
1055	4.0	7.04	277	21.0		
1100	5.5	7.11	290	21.2		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
B-5	x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)
	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)/ 7 OXYS (8260)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #9-2506** Job Number: **385203**

Site Address: **2630 Broadway** Event Date: 9-14-12 (inclusive)

City: **Oakland, CA** Sampler: AW

Well ID B-6 Date Monitored: 9-14-12

Well Diameter 2 in.

Total Depth 9.20 ft.

Depth to Water N/A ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

____ xVF ____ = ____ x3 case volume = Estimated Purge Volume: ____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: ____

Purge Equipment:

Disposable Bailer ____
Stainless Steel Bailer ____
Stack Pump ____
Suction Pump ____
Grundfos ____
Peristaltic Pump ____
QED Bladder Pump ____
Other: ____

Sampling Equipment:

Disposable Bailer ____
Pressure Bailer ____
Discrete Bailer ____
Peristaltic Pump ____
QED Bladder Pump ____
Other: ____

Time Started: ____ (2400 hrs)
Time Completed: ____ (2400 hrs)
Depth to Product: ____ ft
Depth to Water: ____ ft
Hydrocarbon Thickness: ____ ft
Visual Confirmation/Description: ____
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ____ gal
Amt Removed from Well: ____ gal
Water Removed: ____
Product Transferred to: ____

Start Time (purge): ____ Weather Conditions: ____

Sample Time/Date: ____ / ____ Water Color: ____ Odor: Y / N ____

Approx. Flow Rate: ____ gpm. Sediment Description: ____

Did well de-water? ____ If yes, Time: ____ Volume: ____ gal. DTW @ Sampling: ____

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
B-	x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)
	x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)/ 7 OXYS (8260)

COMMENTS: Dry @ 9.20 ft.

Add/Replaced Lock: ____ Add/Replaced Plug: ____ Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-2506 | Job Number: 385203
Site Address: 2630 Broadway | Event Date: 9-14-12 (inclusive)
City: Oakland, CA | Sampler: AW

Well ID: B-7 | Date Monitored: 9-14-12
Well Diameter: 2 in.
Total Depth: 19.29 ft.
Depth to Water: 7.68 ft. ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

11.61 xVF .17 = 1.97 x3 case volume = Estimated Purge Volume: 6.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.00

Purge Equipment:
- Disposable Bailer: ✓
- Stainless Steel Bailer:
- Stack Pump:
- Suction Pump:
- Grundfos:
- Peristaltic Pump:
- QED Bladder Pump:
- Other:

Sampling Equipment:
- Disposable Bailer: ✓
- Pressure Bailer:
- Discrete Bailer:
- Peristaltic Pump:
- QED Bladder Pump:
- Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1130 | Weather Conditions: Sunny
Sample Time/Date: 1200 / 9-14-12 | Water Color: Cloudy | Odor: Y / N | Slight
Approx. Flow Rate: — gpm. | Sediment Description: Cloudy
Did well de-water? N | If yes, Time: — | Volume: — gal. | DTW @ Sampling: 9.23

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1135	2.0	6.73	248	21.2		
1140	4.0	6.82	276	21.4		
1145	6.0	6.94	304	21.6		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
B-7	x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)
	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)/ 7 OXYS (8260)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-2506 | Job Number: 385203
Site Address: 2630 Broadway | Event Date: 9-14-12 (inclusive)
City: Oakland, CA | Sampler: AW

Well ID: B-8 | Date Monitored: 9-14-12
Well Diameter: 2 in.
Total Depth: 19.45 ft.
Depth to Water: 7.42 ft. ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

12.03 xVF .17 = 2.0 x3 case volume = Estimated Purge Volume: 6.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.82

Purge Equipment:
- Disposable Bailer: ✓
- Stainless Steel Bailer:
- Stack Pump:
- Suction Pump:
- Grundfos:
- Peristaltic Pump:
- QED Bladder Pump:
- Other:

Sampling Equipment:
- Disposable Bailer: ✓
- Pressure Bailer:
- Discrete Bailer:
- Peristaltic Pump:
- QED Bladder Pump:
- Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 0900 | Weather Conditions: Cloudy
Sample Time/Date: 0930 / 9-14-12 | Water Color: Cloudy | Odor: Y / (N)
Approx. Flow Rate: — gpm. | Sediment Description: Cloudy
Did well de-water? N | If yes, Time: — Volume: — gal. | DTW @ Sampling: 8.77

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0905	2.0	6.77	266	20.2		
0910	4.0	6.84	294	20.6		
0915	6.0	6.90	314	20.8		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
B-8	x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)
	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)/ 7 OXYS (8260)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-2506 | Job Number: 385203
Site Address: 2630 Broadway | Event Date: 9-14-12 (inclusive)
City: Oakland, CA | Sampler: AW

Well ID: B-9
Well Diameter: 2 in.
Total Depth: 17.20 ft.
Depth to Water: 9.01 ft.
Date Monitored: 9-14-12

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

8.19 xVF .17 = 1.39 x3 case volume = Estimated Purge Volume: 4.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.64

Purge Equipment:
- Disposable Bailer: ✓
- Stainless Steel Bailer:
- Stack Pump:
- Suction Pump:
- Grundfos:
- Peristaltic Pump:
- QED Bladder Pump:
- Other:

Sampling Equipment:
- Disposable Bailer: ✓
- Pressure Bailer:
- Discrete Bailer:
- Peristaltic Pump:
- QED Bladder Pump:
- Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): [redacted] 1255 | Weather Conditions: Cloudy / Sunny
Sample Time/Date: 1325 / 9-14-12 | Water Color: Cloudy | Odor: (Y) / N Strong
Approx. Flow Rate: — gpm. | Sediment Description: Cloudy
Did well de-water? N | If yes, Time: — Volume: — gal. | DTW @ Sampling: 10.33

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - ~~mS~~)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1300	1.5	6.40	322	21.1		
1305	3.0	6.67	349	21.4		
1310	4.5	6.83	377	21.8		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
B-9	x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)
	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)/ 7 OXYS (8260)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #9-2506** Job Number: **385203**

Site Address: **2630 Broadway** Event Date: 9-14-12 (inclusive)

City: **Oakland, CA** Sampler: AW

Well ID B-10 Date Monitored: 9-14-12

Well Diameter 2 in.

Total Depth 18.68 ft.

Depth to Water 11.08 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

7.60 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
Stainless Steel Bailer _____
Stack Pump _____
Suction Pump _____
Grundfos _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Sampling Equipment:

Disposable Bailer _____
Pressure Bailer _____
Discrete Bailer _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Time Started: _____ (2400 hrs)
Time Completed: _____ (2400 hrs)
Depth to Product: _____ ft
Depth to Water: _____ ft
Hydrocarbon Thickness: _____ ft
Visual Confirmation/Description: _____
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: _____ gal
Amt Removed from Well: _____ gal
Water Removed: _____
Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____

Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N _____

Approx. Flow Rate: _____ gpm. Sediment Description: _____

Did well de-water? _____ If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: _____

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
B-	x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)
	x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)/ 7 OXYS (8260)

COMMENTS: M/O

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-2506 Job Number: 385203
Site Address: 2630 Broadway Event Date: 9-14-12 (inclusive)
City: Oakland, CA Sampler: AW

Well ID B- 11 Date Monitored: 9-14-12
Well Diameter 2 in.
Total Depth 18.98 ft.
Depth to Water 9.95 ft.
9.03 xVF ____ = ____ x3 case volume = Estimated Purge Volume: ____ gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: ____

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

Purge Equipment:
Disposable Bailer ____
Stainless Steel Bailer ____
Stack Pump ____
Suction Pump ____
Grundfos ____
Peristaltic Pump ____
QED Bladder Pump ____
Other: ____

Sampling Equipment:
Disposable Bailer ____
Pressure Bailer ____
Discrete Bailer ____
Peristaltic Pump ____
QED Bladder Pump ____
Other: ____

Time Started: ____ (2400 hrs)
Time Completed: ____ (2400 hrs)
Depth to Product: ____ ft
Depth to Water: ____ ft
Hydrocarbon Thickness: ____ ft
Visual Confirmation/Description: ____
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ____ gal
Amt Removed from Well: ____ gal
Water Removed: ____
Product Transferred to: ____

Start Time (purge): ____ Weather Conditions: ____
Sample Time/Date: ____ / ____ Water Color: ____ Odor: Y / N ____
Approx. Flow Rate: ____ gpm. Sediment Description: ____
Did well de-water? ____ If yes, Time: ____ Volume: ____ gal. DTW @ Sampling: ____

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
B-	x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)
	x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)/ 7 OXYS (8260)

COMMENTS: M/O

Add/Replaced Lock: ____ Add/Replaced Plug: ____ Add/Replaced Bolt: ____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #9-2506** Job Number: **385203**

Site Address: **2630 Broadway** Event Date: 9-14-12 (inclusive)

City: **Oakland, CA** Sampler: AW

Well ID B-12 Date Monitored: 9-14-12

Well Diameter 2 in.

Total Depth 18.28 ft.

Depth to Water 6.35 ft. ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

11.93 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
Stainless Steel Bailer _____
Stack Pump _____
Suction Pump _____
Grundfos _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Sampling Equipment:

Disposable Bailer _____
Pressure Bailer _____
Discrete Bailer _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Time Started: _____ (2400 hrs)
Time Completed: _____ (2400 hrs)
Depth to Product: _____ ft
Depth to Water: _____ ft
Hydrocarbon Thickness: _____ ft
Visual Confirmation/Description: _____
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: _____ gal
Amt Removed from Well: _____ gal
Water Removed: _____
Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____

Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N _____

Approx. Flow Rate: _____ gpm. Sediment Description: _____

Did well de-water? _____ If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: _____

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
B-	x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)
	x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)/ 7 OXYS (8260)

COMMENTS: M/O

Add/Replaced Lock: _____ Add/Replaced Plug: Add/Replaced Bolt:

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories

09142-07

Acct. #: 10904 | For Lancaster Laboratories use only Sample #: 6790362-68 | Group #: 010347

C#1335965

Facility #: SS#9-2506-OML G-R#385203 Global ID#T0600101812
2630 BROADWAY, OAKLAND, CA

Site Address: AF CRAKJ Kiernan

Chevron PM: Lead Consultant: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568

Consultant/Office: Deanna L. Harding (deanna@grinc.com)

Consultant Prj. Mgr.:

Consultant Phone #: 925-551-7555 Fax #: 925-551-7899

Sampler: Alex Wong

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Water (Potable / NPDES)	Oil / Air	Total Number of Containers	BTEX + MTBE 8260 / 8021	TPH 8015 MOD GRO	TPH 8015 MOD DRO / Silica Gel Cleanup	8260 full scan	Oxygenates (8260)	Total Lead Method	Dissolved Lead Method
QA	9-14-12					X		2	X	X					
B-1		1030	X			X		6	X	X			X		
B-3		1235	X			X		6	X	X			X		
B-5		1115	X			X		6	X	X			X		
B-7		1200	X			X		6	X	X			X		
B-8		0930	X			X		6	X	X			X		
B-9	↓	1325	X			X		6	X	X			X		

Analyses Requested / Preservation Codes

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

- ☐ J value reporting needed
- ☒ Must meet lowest detection limits possible for 8260 compounds
- 8021 MTBE Confirmation
- ☐ Confirm highest hit by 8260
- ☐ Confirm all hits by 8260
- ☐ Run ____ oxy's on highest hit
- ☐ Run ____ oxy's on all hits

Comments / Remarks

Turnaround Time Requested (TAT) (please circle)
STD. TAT | 72 hour | 48 hour
24 hour | 4 day | 5 day

Data Package Options (please circle if required)
QC Summary | Type I - Full | EDF/EDD
Type VI (Raw Data) | ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

	Date	Time
Relinquished by:	9-14-12	1420
Relinquished by:	14SEP12	1634
Relinquished by:		
Relinquished by Commercial Carrier: UPS FedEx Other		
Temperature Upon Receipt 1.0°-2.1° C°		

	Date	Time
Received by:	9/14/12	1420
Received by: FEDEX		
Received by:		
Received by:	9/15/12	950
Custody Seals Intact? (Yes) No		

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

4804.01 (north) Rev. 10/12/06

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Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

October 16, 2012

Project: 92506

Submittal Date: 09/15/2012
Group Number: 1335965
PO Number: 0015110335
Release Number: WAITE
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LLI) #
QA-T-120914 NA Water	6790362
B-1-W-120914 Grab Water	6790363
B-3-W-120914 Grab Water	6790364
B-5-W-120914 Grab Water	6790365
B-7-W-120914 Grab Water	6790366
B-8-W-120914 Grab Water	6790367
B-9-W-120914 Grab Water	6790368

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

ELECTRONIC COPY TO	CRA c/o Gettler-Ryan	Attn: Rachelle Munoz
ELECTRONIC COPY TO	Chevron c/o CRA	Attn: Report Contact
ELECTRONIC COPY TO	Chevron	Attn: Anna Avina
ELECTRONIC COPY TO	Conestoga-Rovers & Associates	Attn: James Kiernan

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Respectfully Submitted,

Jill M. Parker

Jill M. Parker
Senior Specialist

(717) 556-7262

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Analysis Report

Sample Description: QA-T-120914 NA Water
Facility# 92506 Job# 385203 GRD
2630 Broadway-Oakland T0600101812 QA

LLI Sample # WW 6790362
LLI Group # 1335965
Account # 10904

Project Name: 92506

Collected: 09/14/2012

Submitted: 09/15/2012 09:50
Reported: 10/16/2012 13:10

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

BROQA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	F122651AA	09/21/2012 07:08	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F122651AA	09/21/2012 07:08	Anita M Dale	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12263A07A	09/20/2012 00:57	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12263A07A	09/20/2012 00:57	Marie D John	1

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Analysis Report

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Sample Description: B-1-W-120914 Grab Water
Facility# 92506 Job# 385203 GRD
2630 Broadway-Oakland T0600101812 B-1

LLI Sample # WW 6790363
LLI Group # 1335965
Account # 10904

Project Name: 92506

Collected: 09/14/2012 10:30 by AW

Submitted: 09/15/2012 09:50
Reported: 10/16/2012 13:10

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

BRO01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	t-Amyl methyl ether	994-05-8	N.D.	0.5	1
10943	Benzene	71-43-2	N.D.	0.5	1
10943	t-Butyl alcohol	75-65-0	120	2	1
10943	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10943	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10943	Ethyl t-butyl ether	637-92-3	1	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	di-Isopropyl ether	108-20-3	N.D.	0.5	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	3	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX+5 Oxys+EDC+EDB Water	SW-846 8260B	1	F122651AA	09/21/2012 10:03	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F122651AA	09/21/2012 10:03	Anita M Dale	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12263A07A	09/20/2012 03:04	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12263A07A	09/20/2012 03:04	Marie D John	1

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Analysis Report

Sample Description: B-3-W-120914 Grab Water
Facility# 92506 Job# 385203 GRD
2630 Broadway-Oakland T0600101812 B-3

LLI Sample # WW 6790364
LLI Group # 1335965
Account # 10904

Project Name: 92506

Collected: 09/14/2012 12:35 by AW

Submitted: 09/15/2012 09:50
Reported: 10/16/2012 13:10

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

BRO03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	t-Amyl methyl ether	994-05-8	N.D.	0.5	1
10943	Benzene	71-43-2	N.D.	0.5	1
10943	t-Butyl alcohol	75-65-0	1,600	20	10
10943	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10943	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10943	Ethyl t-butyl ether	637-92-3	6	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	di-Isopropyl ether	108-20-3	N.D.	0.5	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	4	0.5	1
10943	Toluene	108-88-3	0.7	0.5	1
10943	Xylene (Total)	1330-20-7	2	0.5	1
GC Volatiles	**SW-846 8015B**		ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	440	50	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX+5 Oxys+EDC+EDB Water	SW-846 8260B	1	F122651AA	09/21/2012 10:25	Anita M Dale	1
10943	BTEX+5 Oxys+EDC+EDB Water	SW-846 8260B	1	F122651AA	09/21/2012 15:53	Anita M Dale	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F122651AA	09/21/2012 10:25	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	F122651AA	09/21/2012 15:53	Anita M Dale	10
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12263A07A	09/20/2012 03:30	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12263A07A	09/20/2012 03:30	Marie D John	1

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Analysis Report

Sample Description: B-5-W-120914 Grab Water
Facility# 92506 Job# 385203 GRD
2630 Broadway-Oakland T0600101812 B-5

LLI Sample # WW 6790365
LLI Group # 1335965
Account # 10904

Project Name: 92506

Collected: 09/14/2012 11:15 by AW

Submitted: 09/15/2012 09:50
Reported: 10/16/2012 13:10

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

BRO05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	t-Amyl methyl ether	994-05-8	N.D.	0.5	1
10943	Benzene	71-43-2	N.D.	0.5	1
10943	t-Butyl alcohol	75-65-0	4	2	1
10943	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10943	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10943	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	di-Isopropyl ether	108-20-3	N.D.	0.5	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	5	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	160	50	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX+5 Oxys+EDC+EDB Water	SW-846 8260B	1	F122651AA	09/21/2012 10:47	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F122651AA	09/21/2012 10:47	Anita M Dale	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12263A07A	09/20/2012 03:55	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12263A07A	09/20/2012 03:55	Marie D John	1

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Analysis Report

Sample Description: B-7-W-120914 Grab Water
Facility# 92506 Job# 385203 GRD
2630 Broadway-Oakland T0600101812 B-7

LLI Sample # WW 6790366
LLI Group # 1335965
Account # 10904

Project Name: 92506

Collected: 09/14/2012 12:00 by AW

Submitted: 09/15/2012 09:50
Reported: 10/16/2012 13:10

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

BRO07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	t-Amyl methyl ether	994-05-8	N.D.	0.5	1
10943	Benzene	71-43-2	N.D.	0.5	1
10943	t-Butyl alcohol	75-65-0	N.D.	2	1
10943	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10943	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10943	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	di-Isopropyl ether	108-20-3	N.D.	0.5	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	11	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX+5 Oxys+EDC+EDB Water	SW-846 8260B	1	F122651AA	09/21/2012 11:09	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F122651AA	09/21/2012 11:09	Anita M Dale	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12263A07A	09/20/2012 04:21	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12263A07A	09/20/2012 04:21	Marie D John	1

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Analysis Report

Sample Description: B-8-W-120914 Grab Water
Facility# 92506 Job# 385203 GRD
2630 Broadway-Oakland T0600101812 B-8

LLI Sample # WW 6790367
LLI Group # 1335965
Account # 10904

Project Name: 92506

Collected: 09/14/2012 09:30 by AW

Submitted: 09/15/2012 09:50
Reported: 10/16/2012 13:10

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

BRO08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	t-Amyl methyl ether	994-05-8	N.D.	0.5	1
10943	Benzene	71-43-2	N.D.	0.5	1
10943	t-Butyl alcohol	75-65-0	N.D.	2	1
10943	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10943	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10943	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	di-Isopropyl ether	108-20-3	N.D.	0.5	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	4	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX+5 Oxys+EDC+EDB Water	SW-846 8260B	1	F122651AA	09/21/2012 11:31	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F122651AA	09/21/2012 11:31	Anita M Dale	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12263A07A	09/20/2012 06:55	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12263A07A	09/20/2012 06:55	Marie D John	1

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Analysis Report

Sample Description: B-9-W-120914 Grab Water
Facility# 92506 Job# 385203 GRD
2630 Broadway-Oakland T0600101812 B-9

LLI Sample # WW 6790368
LLI Group # 1335965
Account # 10904

Project Name: 92506

Collected: 09/14/2012 13:25 by AW

Submitted: 09/15/2012 09:50
Reported: 10/16/2012 13:10

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

BRO09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10943	t-Amyl methyl ether	994-05-8	N.D.	0.5	1
10943	Benzene	71-43-2	7	0.5	1
10943	t-Butyl alcohol	75-65-0	100	2	1
10943	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10943	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10943	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	2	0.5	1
10943	di-Isopropyl ether	108-20-3	N.D.	0.5	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	29	0.5	1
10943	Toluene	108-88-3	2	0.5	1
10943	Xylene (Total)	1330-20-7	4	0.5	1
GC Volatiles	**SW-846 8015B**		ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	2,700	50	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX+5 Oxys+EDC+EDB Water	SW-846 8260B	1	F122651AA	09/21/2012 11:53	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F122651AA	09/21/2012 11:53	Anita M Dale	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12263A07A	09/20/2012 07:20	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12263A07A	09/20/2012 07:20	Marie D John	1

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Analysis Report

Quality Control Summary

Client Name: Chevron
Reported: 10/16/12 at 01:10 PM

Group Number: 1335965

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

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: F122651AA	Sample number(s): 6790362-6790368							
t-Amyl methyl ether	N.D.	0.5	ug/l	87		66-120		
Benzene	N.D.	0.5	ug/l	92		77-121		
t-Butyl alcohol	N.D.	2.	ug/l	99		68-125		
1,2-Dibromoethane	N.D.	0.5	ug/l	92		76-120		
1,2-Dichloroethane	N.D.	0.5	ug/l	106		64-130		
Ethyl t-butyl ether	N.D.	0.5	ug/l	90		66-120		
Ethylbenzene	N.D.	0.5	ug/l	92		79-120		
di-Isopropyl ether	N.D.	0.5	ug/l	83		71-124		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	94		68-121		
Toluene	N.D.	0.5	ug/l	96		79-120		
Xylene (Total)	N.D.	0.5	ug/l	94		77-120		
Batch number: 12263A07A	Sample number(s): 6790362-6790368							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	109	109	75-135	0	30

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: F122651AA	Sample number(s): 6790362-6790368 UNSPK: P790395								
t-Amyl methyl ether	93	90	65-117	4	30				
Benzene	102	101	72-134	0	30				
t-Butyl alcohol	104	102	67-119	2	30				
1,2-Dibromoethane	98	98	77-116	0	30				
1,2-Dichloroethane	114	113	68-131	1	30				
Ethyl t-butyl ether	94	92	74-122	2	30				
Ethylbenzene	98	98	71-134	1	30				
di-Isopropyl ether	88	88	70-129	0	30				
Methyl Tertiary Butyl Ether	100	102	72-126	2	30				
Toluene	102	103	80-125	1	30				
Xylene (Total)	99	99	79-125	0	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron
Reported: 10/16/12 at 01:10 PM

Group Number: 1335965

Surrogate Quality Control

Analysis Name: UST VOCs by 8260B - Water
Batch number: F122651AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6790362	105	97	99	94
6790363	106	101	98	94
6790364	103	96	99	98
6790365	104	98	99	99
6790366	105	98	98	93
6790367	106	99	98	95
6790368	102	96	96	111
Blank	103	97	98	94
LCS	103	100	98	102
MS	103	97	98	102
MSD	104	98	97	101
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 12263A07A

	Trifluorotoluene-F
6790362	86
6790363	88
6790364	100
6790365	91
6790366	85
6790367	90
6790368	104
Blank	85
LCS	101
LCSD	103
Limits:	63-135

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Explanation of Symbols and Abbreviations

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

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

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

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

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as "analyze immediately" are not performed within 15 minutes.

APPENDIX D

TREND GRAPHS

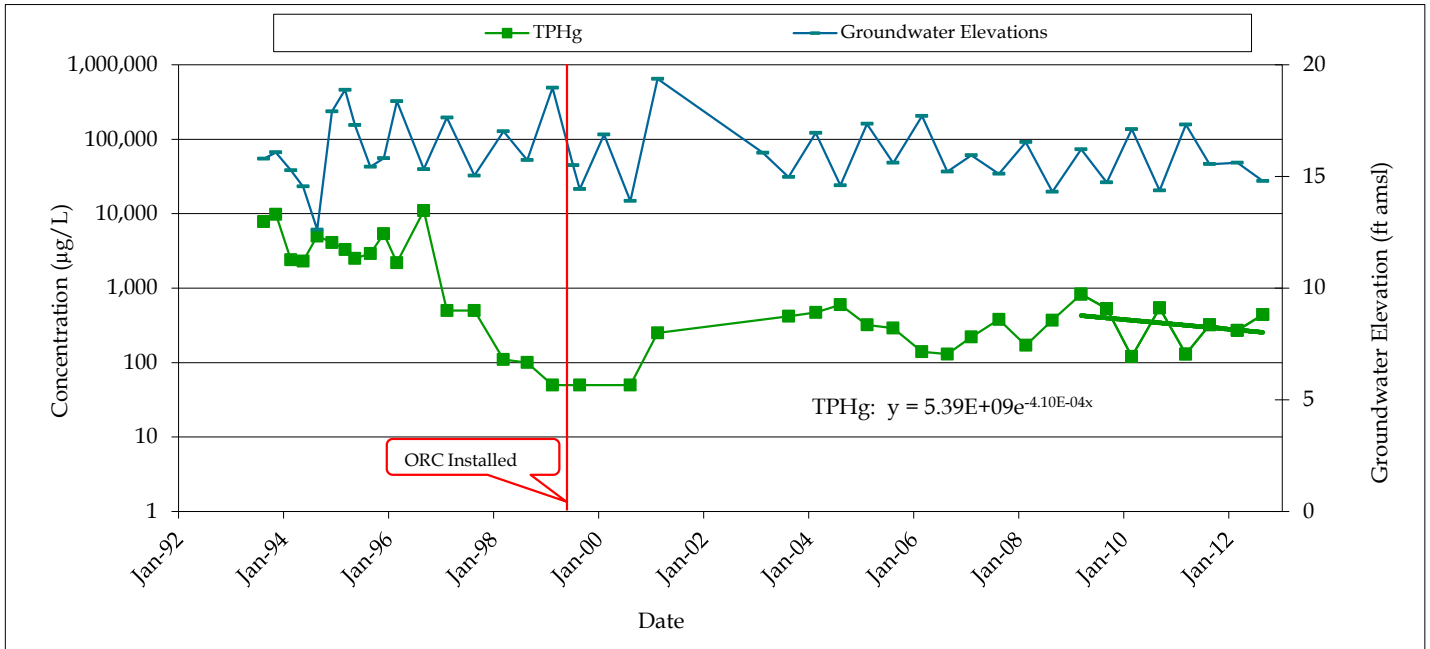
Predicted Time to Reach Environmental Screening Levels (ESLs) in Well B-3

Former Chevron Service Station 92506, 2630 Broadway, Oakland, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L; a = decay constant
b = concentration at time (x); x = time (x) in days

		Constituent: Total Petroleum Hydrocarbons as Gasoline (TPHg)
Given		
ESL:	y	100
Constant:	b	5.39E+09
Constant:	a	-4.10E-04
Starting date for current trend:		3/31/2009
Calculate		
Attenuation Half Life (years):	(-ln(2)/a)/365.25	4.63
Estimated Date to Reach ESL:	(x = ln(y/b) / a)	Dec 2018



FORMER CHEVRON SERVICE STATION 92506
2630 BROADWAY
OAKLAND, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

B-3: TPHg CONCENTRATIONS AND GROUNDWATER ELEVATIONS

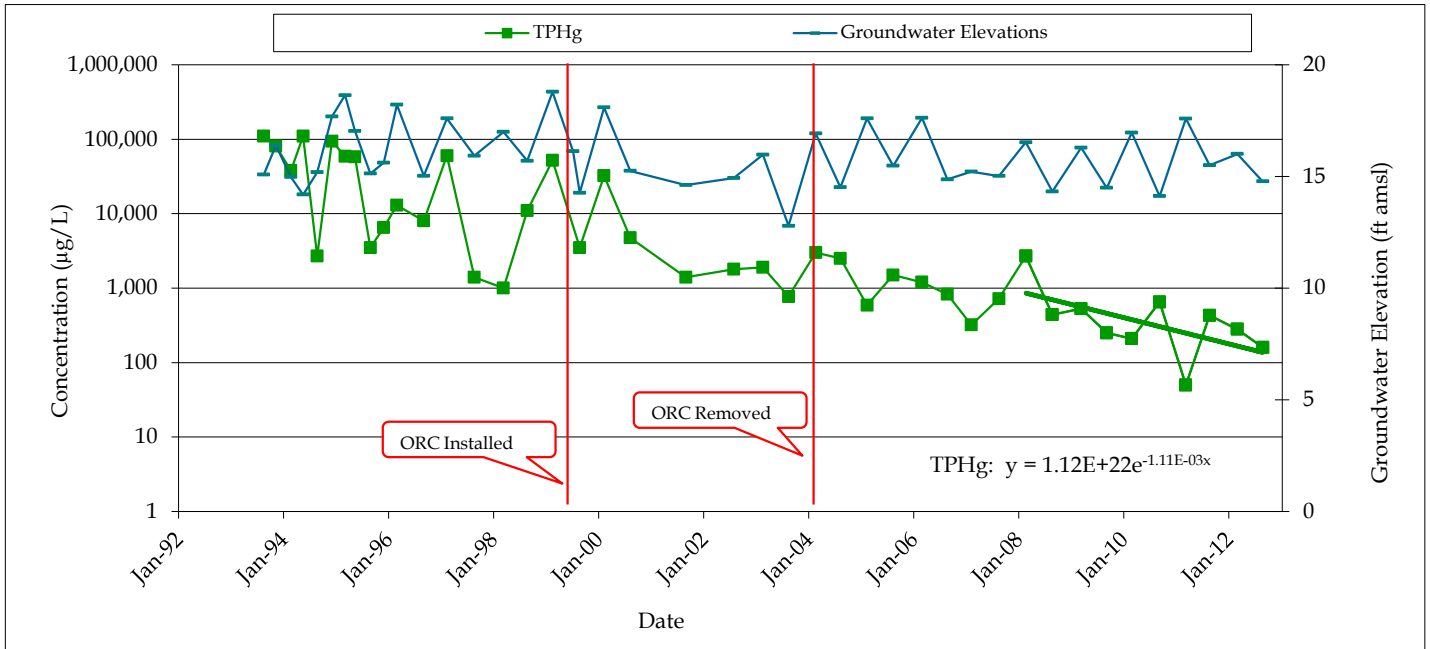
Predicted Time to Reach Environmental Screening Levels (ESLs) in Well B-5

Former Chevron Service Station 92506, 2630 Broadway, Oakland, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L; a = decay constant
b = concentration at time (x); x = time (x) in days

		Constituent: Total Petroleum Hydrocarbons as Gasoline (TPHg)
Given		
ESL:	y	100
Constant:	b	1.12E+22
Constant:	a	-1.11E-03
Starting date for current trend:		3/11/2008
Calculate		
Attenuation Half Life (years):	(-ln(2)/a)/365.25	1.70
Estimated Date to Reach ESL:	(x = ln(y/b) / a)	Jun 2013



FORMER CHEVRON SERVICE STATION 92506
2630 BROADWAY
OAKLAND, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

B-5: TPHg CONCENTRATIONS AND GROUNDWATER ELEVATIONS

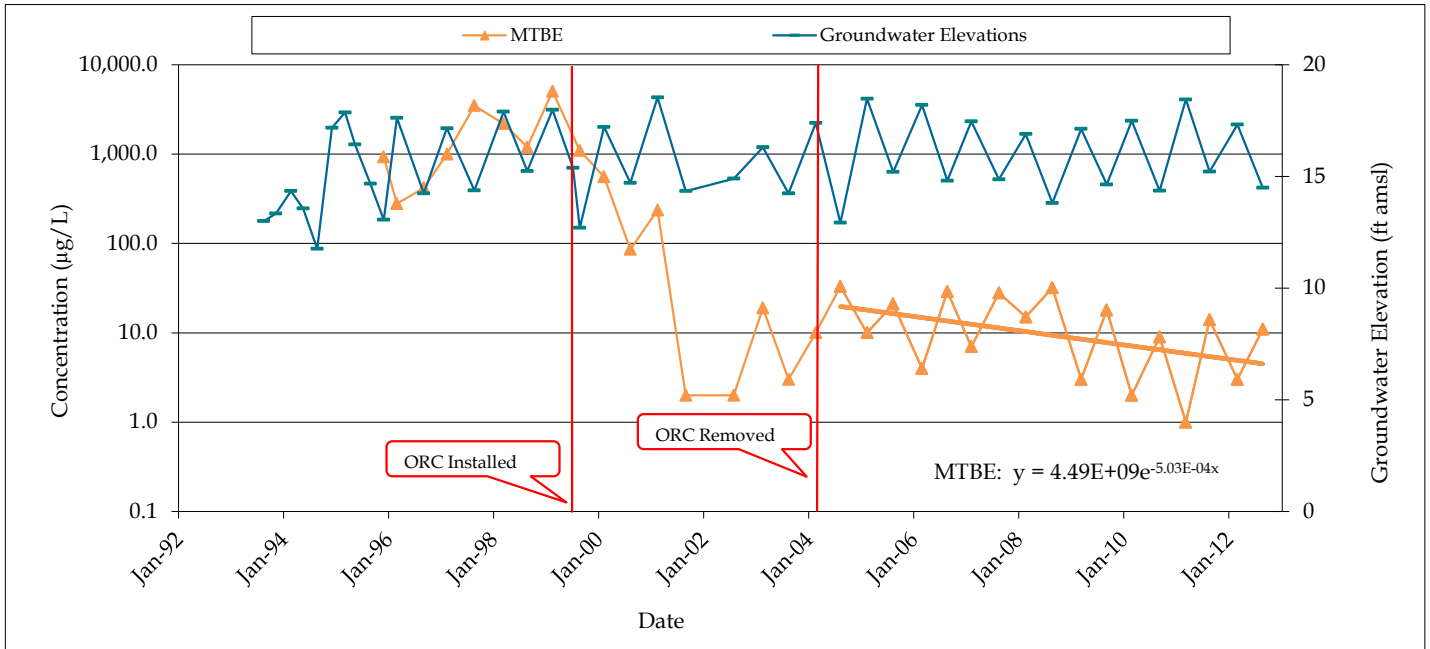
Predicted Time to Reach Environmental Screening Levels (ESLs) in Well B-7

Former Chevron Service Station 92506, 2630 Broadway, Oakland, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L
b = concentration at time (x)
a = decay constant
x = time (x) in days

		Constituent: Methyl Tertiary-Butyl Ether (MTBE)
Given		
ESL:	y	5
Constant:	b	4.49E+09
Constant:	a	-5.03E-04
Starting date for current trend:		8/30/2004
Calculate		
Attenuation Half Life (years):	(-ln(2)/a)/365.25	3.77
Estimated Date to Reach ESL:	(x = ln(y/b) / a)	Feb 2012



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2630 BROADWAY
OAKLAND, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

B-7: MTBE CONCENTRATIONS AND GROUNDWATER ELEVATIONS

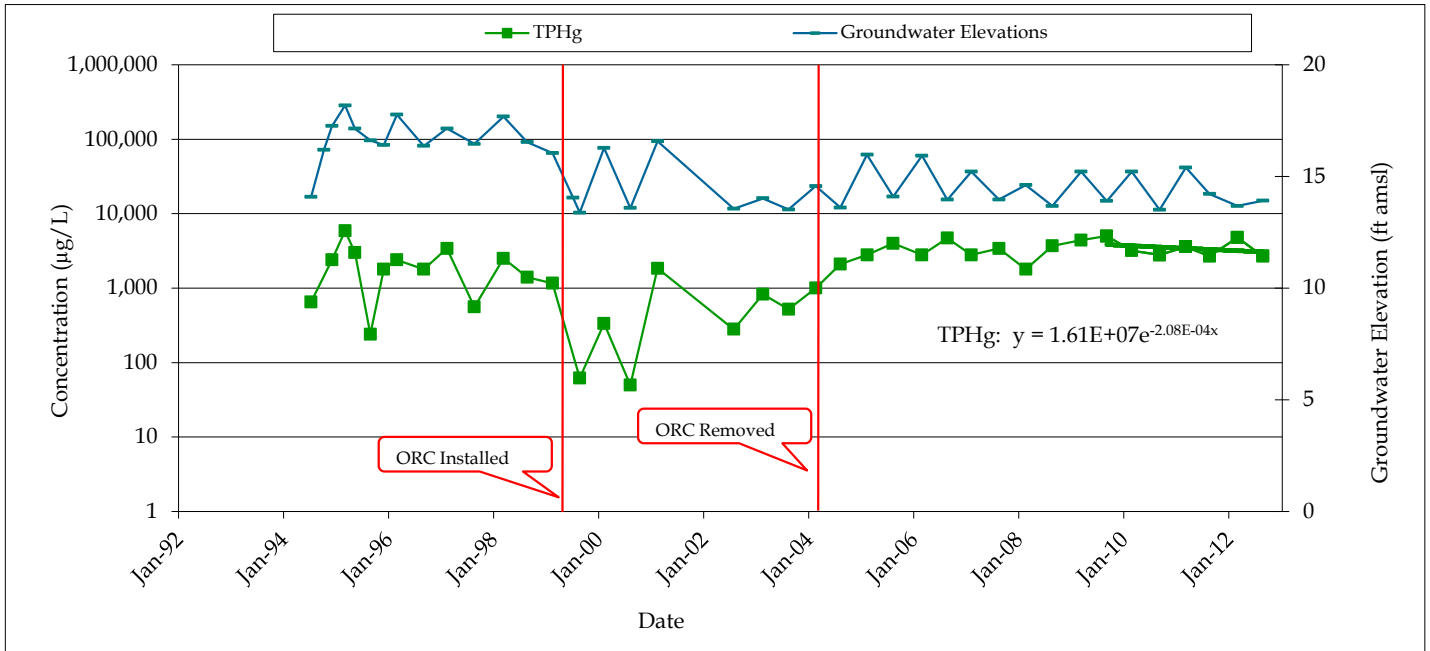
Predicted Time to Reach Environmental Screening Levels (ESLs) in Well B-9

Former Chevron Service Station 92506, 2630 Broadway, Oakland, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L, a = decay constant
b = concentration at time (x), x = time (x) in days

		Constituent: Total Petroleum Hydrocarbons as Gasoline (TPHg)
Given		
ESL:	y	100
Constant:	b	1.61E+07
Constant:	a	-2.08E-04
Starting date for current trend:		9/24/2009
Calculate		
Attenuation Half Life (years):	(-ln(2)/a)/365.25	9.12
Estimated Date to Reach ESL:	(x = ln(y/b) / a)	Sep 2057



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2630 BROADWAY
OAKLAND, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

B-9: TPHg CONCENTRATIONS AND GROUNDWATER ELEVATIONS

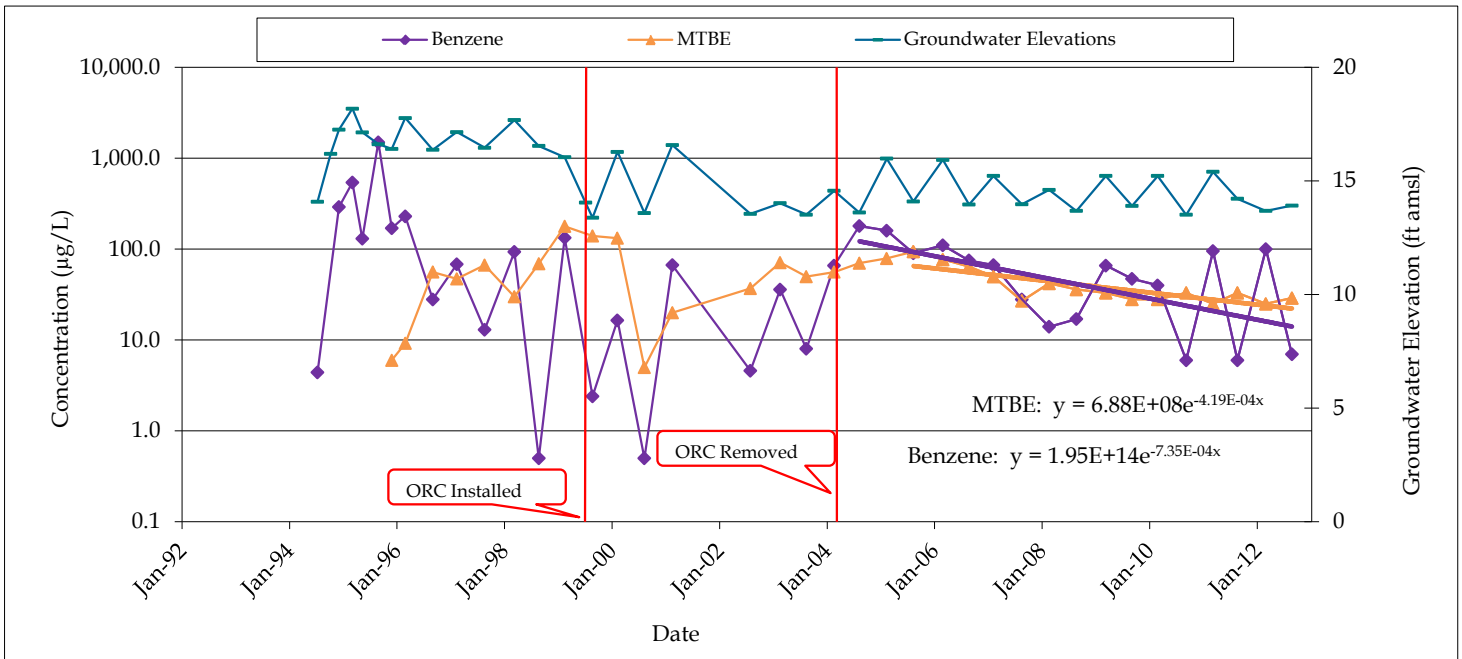
Predicted Time to Reach Environmental Screening Levels (ESLs) in Well B-9

Former Chevron Service Station 92506, 2630 Broadway, Oakland, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L; a = decay constant
b = concentration at time (x); x = time (x) in days

	Constituent	Benzene	Methyl Tertiary-Butyl Ether (MTBE)
Given			
ESL:	y	1	5
Constant:	b	1.95E+14	6.88E+08
Constant:	a	-7.35E-04	-4.19E-04
Starting date for current trend:		8/30/2004	9/1/2005
Calculate			
Attenuation Half Life (years):	(-ln(2)/a)/365.25	2.58	4.53
Estimated Date to Reach ESL:	(x = ln(y/b) / a)	Jul 2022	Jun 2022



FORMER CHEVRON SERVICE STATION 92506
2630 BROADWAY
OAKLAND, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

B-9: BENZENE AND MTBE CONCENTRATIONS AND GROUNDWATER ELEVATIONS

Summary of Degradation Rate Calculations
Former Chevron Service Station 92506, 2630 Broadway, Oakland, California

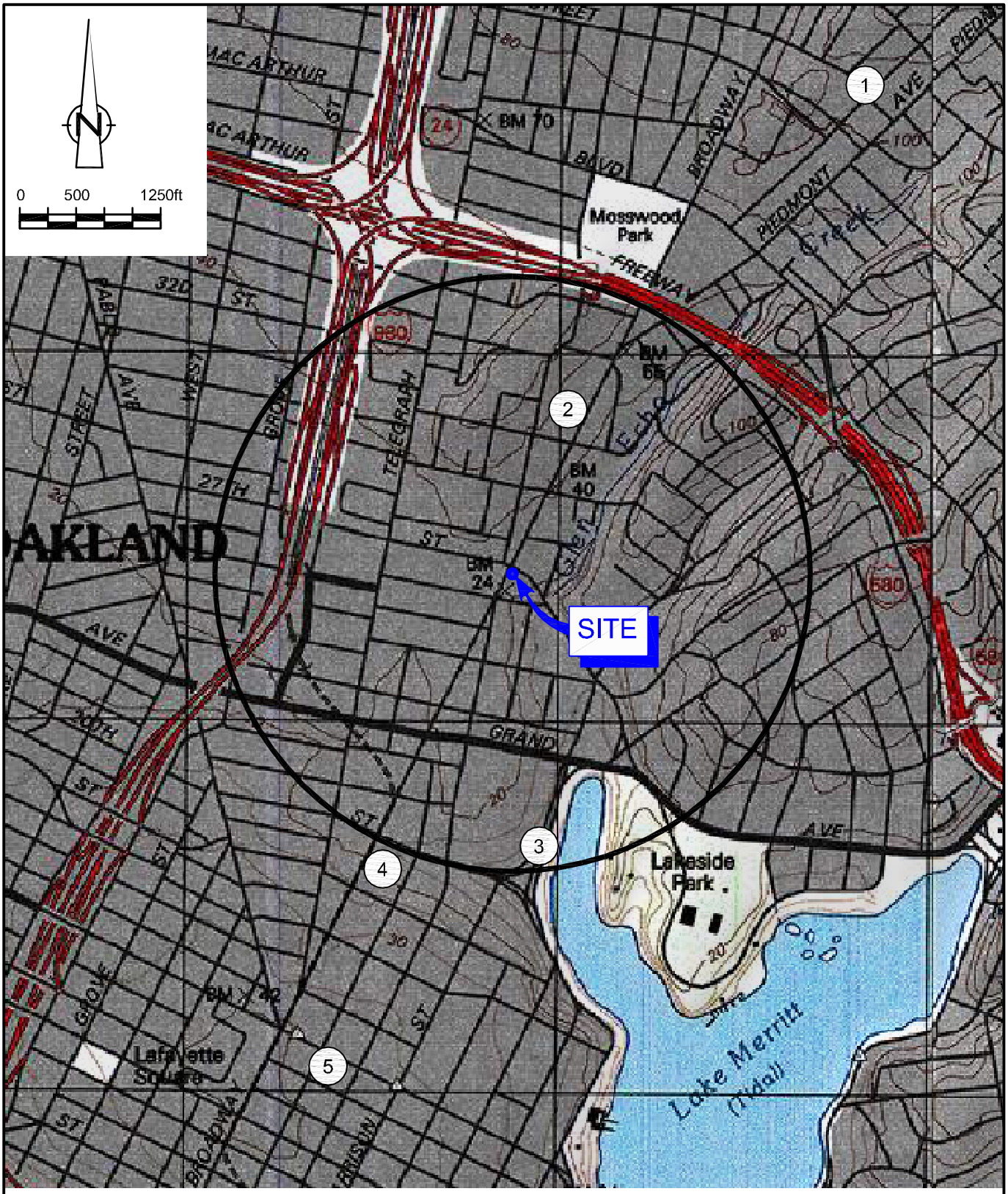
Well	Analyte	Maximum Concentration (ug/L)	Most Recent Concentration (ug/L)	Half-Life (years)	Date to Reach ESL	Years to Reach ESL
B-3	TPHg	11,000	440	4.63	Dec 2018	6
B-5	TPHg	110,000	160	1.70	Jun 2013	1
B-7	MTBE	5,070	11	3.77	Feb 2012	-1
B-9	TPHg	5,900	2,700	9.12	Sep 2057	45
	Benzene	1,500	7	2.58	Jul 2022	10
	MTBE	178	29	4.53	Jun 2022	9

Notes & Abbreviations:

TPHg = Total petroleum hydrocarbons as gasoline
MTBE = Methyl tertiary butyl ether
µg/L = Micrograms per liter
ESL = Environmental Screening Level

APPENDIX E

WELL SURVEY INFORMATION



SOURCE: TOPO! MAPS.

WELL SURVEY MAP
FORMER CHEVRON STATION 92506
2630 BROADWAY
Oakland, California

611962-400(008)GN-WA009 NOV 29/2012

WELL SURVEY RESULTS
FORMER CHEVRON STATION 92506
2630 BROADWAY
OAKLAND, CALIFORNIA

Well No./ Figure ID	*Well Owner*	*Well Address Street*	*City*	*Total Well Depth (ft)*	*Date Installed*	*Distance/Direction from Site (ft) (approx)*	*Well Use*
1	John Bond	4101 Howe Street	Oakland	184	1979	5,950 NE	Unknown
2	Providence Hospital	30th and Webster Street	Oakland	365	Unknown	2,000 N-NE	Unknown
3	Kaiser Center, Inc.	300 Lakeside Drive	Oakland	120	1991	2,300 S-SE	Irrigation
4	Oakland Lodge #171	20th and Broadway	Oakland	153	Unknown	2,650 S-SW	Unknown
5	Providence Hospital	1409 Webster Street	Oakland	150	Unknown	4,600 S-SW	Unknown

APPENDIX F

LOW-THREAT CHECKLIST

Site Name: Chevron #9-2506
Site Address: 2630 Broadway, Oakland

Site meets the criteria of the Low-Threat Underground Storage Tank (UST) Case Closure Policy as described below.[1]

General Criteria General criteria that must be satisfied by all candidate sites:	
Is the unauthorized release located within the service area of a public water system?	☒Yes ☐ No
Does the unauthorized release consist only of petroleum?	☒ Yes ☐ No
Has the unauthorized ("primary") release from the UST system been stopped?	☒ Yes ☐ No
Has free product been removed to the maximum extent practicable?	☒ Yes ☐ No ☐ NA
Has a conceptual site model that assesses the nature, extent, and mobility of the release been developed?	☒ Yes ☐ No
Has secondary source been removed to the extent practicable?	☒ Yes ☐ No
Has soil or groundwater been tested for MTBE and results reported in accordance with Health and Safety Code Section 25296.15?	☒ Yes ☐ No
Does nuisance as defined by Water Code section 13050 exist at the site?	☐ Yes ☒ No
Are there unique site attributes or site-specific conditions that demonstrably increase the risk associated with residual petroleum constituents?	☐ Yes ☒ No
Media-Specific Criteria Candidate sites must satisfy all three of these media-specific criteria: **1. 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:	
Is the contaminant plume that exceeds water quality objectives stable or decreasing in areal extent?	☒ Yes ☐ No ☐ NA
Does the contaminant plume that exceeds water quality objectives meet all of the additional characteristics of one of the five classes of sites? If YES, check applicable class: ☐ **1** ☒ **2** ☐ **3** ☐ **4** ☐ **5**	☒ Yes ☐ No ☐ NA

[1] Refer to the Low-Threat Underground Storage Tank Case Closure Policy for closure criteria for low-threat petroleum UST sites.

For sites with releases that have not affected groundwater, do mobile constituents (leachate, vapors, or light non-aqueous phase liquids) contain sufficient mobile constituents to cause groundwater to exceed the groundwater criteria?	☐ Yes ☐ No ☒ NA
2. Petroleum Vapor Intrusion to Indoor Air: The site is considered low-threat for vapor intrusion to indoor air if site-specific conditions satisfy all of the characteristics of one of the three classes of sites (a through c) or if the exception for active commercial fueling facilities applies. **Is the site an active commercial petroleum fueling facility?** Exception: Satisfaction of the media-specific criteria for petroleum vapor intrusion to indoor air is not required at active commercial petroleum fueling facilities, except in cases where release characteristics can be reasonably believed to pose an unacceptable health risk. **a. Do site-specific conditions at the release site satisfy all of the applicable characteristics and criteria of scenarios 1 through 3 or all of the applicable characteristics and criteria of scenario 4?** If YES, check applicable scenarios: ☐ **1** ☐ **2** ☒ **3** ☐ **4** **b. Has a site-specific risk assessment for the vapor intrusion pathway been conducted and demonstrates that human health is protected to the satisfaction of the regulatory agency?** **c. As a result of controlling exposure through the use of mitigation measures or through the use of institutional or engineering controls, has the regulatory agency determined that petroleum vapors migrating from soil or groundwater will have no significant risk of adversely affecting human health?**	☐Yes ☒No ☒Yes ☐ No ☐NA ☐ Yes ☐ No ☒ NA ☐ Yes ☐ No ☒ NA
3. Direct Contact and Outdoor Air Exposure: The site is considered low-threat for direct contact and outdoor air exposure if site-specific conditions satisfy one of the three classes of sites (a through c). **a. Are maximum concentrations of petroleum constituents in soil less than or equal to those listed in Table 1 for the specified depth below ground surface (bgs)?** **b. Are maximum concentrations of petroleum constituents in soil less than levels that a site specific risk assessment demonstrates will have no significant risk of adversely affecting human health?** **c. As a result of controlling exposure through the use of mitigation measures or through the use of institutional or engineering controls, has the regulatory agency determined that the concentrations of petroleum constituents in soil will have no significant risk of adversely affecting human health?**	☒ Yes ☐ No ☐ NA ☐ Yes ☐ No ☒ NA ☐ Yes ☐ No ☒ NA