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## Atlantic Richfield Company

**Chuck Carmel**

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August 21, 2013

Re: Conceptual Site Model and Case Closure Request  
Former BP Service Station #11104  
1716 Webster Street  
Alameda, California  
ACEH Case #RO0000281

"I declare, that to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached document are true and correct.

Submitted by,



Chuck Carmel  
Remediation Management Project Manager

Attachment

**CONCEPTUAL SITE MODEL AND CASE CLOSURE REQUEST**

Former BP Station No.11104  
1716 Webster Street  
Alameda, California

Prepared for

Ms. Chuck Carmel  
Operations Project Manager  
Atlantic Richfield Company  
P.O. Box 1257  
San Ramon, California 94583

Prepared by



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August 21, 2013

Project No. 06-88-644

August 21, 2013

Project No. 06-88-644

Atlantic Richfield Company  
P.O. Box 1257  
San Ramon, CA 94583  
Submitted via ENFOS

Attn.: Mr. Chuck Carmel

Re: Conceptual Site Model and Case Closure Request, Former BP No.11104, 1716 Webster Street, Alameda, California; ACEH Case No. RO0000281

Dear Mr. Carmel:

Broadbent & Associates, Inc. (Broadbent) is pleased to submit this *Conceptual Site Model and Case Closure Request* for Former BP Station No.11104 located at 1716 Webster Street, Alameda, California (Site). This document was prepared in order to evaluate this site for case closure under the *Low Threat Underground Storage Tank Case Closure Policy* (Low Threat UST Closure Policy; CSWRCB, 2012). After completion of the CSM and comparing the current Site conditions to the Low Threat UST Closure Policy, case closure is recommended.

Should you have questions or require additional information, please do not hesitate to contact us at (707) 455-7290.

Sincerely,  
BROADBENT & ASSOCIATES, INC.



Kristene Tidwell, P.G., C.HG.  
Senior Geologist



Enclosures

cc: Ms. Dilan Roe, Alameda County Environmental Health (Submitted via ACEH ftp site)  
Electronic copy uploaded to GeoTracker

# CONCEPTUAL SITE MODEL AND CASE CLOSURE REQUEST

Former BP Station No. 11104  
1716 Webster Street, Alameda, California  
Fuel Leak Case No. R0000281

## TABLE OF CONTENTS

<b>1.0</b>	<b>INTRODUCTION</b> .....	1
1.1	Site Setting .....	1
1.2	Site Background .....	1
1.3	Document Purpose and Organization .....	2
<b>2.0</b>	<b>JUSTIFICATION FOR SITE CLOSURE</b> .....	1
2.1	General Criteria .....	2
2.2	Media-Specific Criteria - Groundwater .....	3
2.3	Media-Specific Criteria - Petroleum Vapor Intrusion to Indoor Air .....	3
2.4	Media-Specific Criteria - Direct Contact and Outdoor Air Exposure.....	4
2.5	Recommendation for Case Closure .....	4
<b>3.0</b>	<b>REFERENCES</b> .....	5

## ATTACHMENTS

### DRAWINGS

Drawing 1	Site Location Map
Drawing 2	Site Map with Monitoring Well, Historical Boring, and Soil Vapor Sampling Locations
Drawing 3	Groundwater Elevation Contour and Analytical Summary Map, February 21, 2013
Drawing 4	GRO Isoconcentration Contour Map
Drawing 5	Benzene Isoconcentration Contour Map
Drawing 6	MTBE Isoconcentration Contour Map
Drawing 7	Cross Section Location Map
Drawing 8	Cross Section A-A'
Drawing 9	Cross Section B-B'

### TABLES

Table 1	Conceptual Site Model
Table 2	Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Table 3	Summary of Fuel Additives Analytical Data
Table 4	Historic Groundwater Gradient – Direction and Magnitude

### APPENDICES

Appendix A	Detailed Site History
Appendix B	GRO, Benzene, and MTBE Concentration Trend Graphs
Appendix C	Historic Site Data
Appendix D	Historic Site Data – Neighboring Chevron Site



## CONCEPTUAL SITE MODEL AND CASE CLOSURE REQUEST

Former BP Station No. 11104  
1716 Webster Street, Alameda, California  
Fuel Leak Case No. R00000281

### 1.0 INTRODUCTION

On behalf of the Atlantic Richfield Company– (ARC, a BP affiliated company) Broadbent & Associates, Inc. (Broadbent) has prepared this *Conceptual Site Model and Case Closure Request (CSM and CCR)* for the Former BP Station No. 11104 (herein referred to as Station No.11104), located at 1716 Webster Street, Alameda, California (Site). This CSM and CCR was prepared in order to evaluate the Site's eligibility to be closed under the recently approved California State Water Resources Control Board's (CSWRCB) *Low Threat Underground Storage Tank Case Closure Policy (Low Threat UST Closure Policy; CSWRCB, 2012)*. This CSM and CCR includes discussions on the Site background and previous environmental activities, regional and Site geology and hydrogeology, and justification for Case Closure.

#### 1.1 Site Setting

The Site is an operating 76 Station located on the southeast corner of Webster Street and Buena Vista Avenue in Alameda, California. Three single wall fiberglass gasoline USTs (12,000 gallon, 10,000 gallon, 6,000 gallon), were installed in 1983 and are currently in operation at the Site. One used oil UST is also present. The Site was a BP operated station from 1983 to 1994, when the station was sold to ConocoPhillips. BP fueling services included unleaded gasoline. Current fueling services include regular unleaded gasoline and diesel. Two dispenser islands, eight dispensers, and one station building are also present.

The Site is bound to the north, west, and south by retail and commercial businesses, and to the east by a residential neighborhood. Based on the USGS Topographical Quadrangle, the Site is located at approximately 15 feet above mean sea level. A Site Location Map is included as Drawing 1. A Site Plan depicting current well locations is provided as Drawing 2.

A Chevron service station is located directly to the north of the Site across Buena Vista Street. This site is an open environmental case with the Alameda County Environmental Health agency (ACEH).

#### 1.2 Site Background

The Site has operated as a gasoline fueling station since the environmental case was open in 1990. The Site is likely to remain a service station for the foreseeable future. A detailed Site history is included in Appendix A.

#### 1.3 Document Purpose and Organization

The purpose of this document is to summarize and present current Site conditions in the form of a CSM and evaluate these conditions and data gathered for site closure based on the Low Threat UST Closure Policy. The following section presents justification for Closure based on the CSM. The CSM is presented as Table 1. Tables 2 and 3 present historical and current groundwater analytical data. Table 4 summarizes historical and current groundwater gradient.

In order to evaluate Site condition against the Low Threat UST Closure Policy, each category in the policy has been individually evaluated using the data presented in the CSM presented in Table 1. These evaluations are presented in the following section.

## 2.0 JUSTIFICATION FOR SITE CLOSURE

As indicated in Section 1.3 above, the Site was evaluated for Closure based on comparing data presented in the CSM (Table 1) against the Low Threat UST Closure Policy. Closure Criteria in the Low Threat UST Closure Policy are organized into the following categories:

- General Criteria
- Media Specific Criteria-Groundwater
- Media Specific Criteria – Petroleum Vapor Intrusion to Indoor Air
- Media Specific Criteria – Direct Contact and Outdoor Air Exposure
- Additional Criteria

The following sections present the details of the evaluation.

### 2.1 General Criteria

The general criteria relate to the Site use, presence of free product, sources, and completeness of the Site understanding. As evidenced in the data presented in the CSM, a sufficiently good understanding of Site conditions, on- and offsite receptors, and Site history has been established. These general criteria and a discussion how the Site is consistent with these criteria are presented below.

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

The Site is located within the East Bay Municipal Utilities District Service Area.

#### ***The unauthorized release consists only of petroleum***

The release at the Site occurred at the former dispenser islands prior to removal and replacement. Additionally, all analytical data collected to date has shown no indication of any other contaminant releases other than petroleum (Tables 2 and 3). The Site has been a retail service station since 1983 and it there is no evidence that any other activities have occurred at the Site which may have caused non-petroleum releases.

#### ***The unauthorized release has been stopped***

The location of the release was the dispenser islands, which were modified and repaired in 1990. Soil in the vicinity of the dispenser islands was overexcavated at this time, removing the majority of petroleum contamination in the soil, thereby removing the leak sources (Table 1).

#### ***Free product has been removed to the extent possible***

Free product has not been detected at the Site during monitoring history at the Site, with the following exception. Recently, a thin (maximum thickness of 0.06 feet) has been measured in RW-1 during the third quarter 2011, first quarter 2012, and third quarter 2012. A thin sheen was noted during the first quarter 2013, however the thickness of this product was too thin to be measured. At the time when the LNAPL was first noted during the third quarter 2011, a sample of this product was collected and submitted for fingerprinting analysis. The chromatogram pattern which the product resembled most closely was the diesel standard, but was not completely similar. However, it was determined in this reporting that the LNAPL was not gasoline product.

As described in the Site history (Appendix A), BP operated a service station from 1983 to 1994, at which time it was sold to ConocoPhillips. The station currently dispenses diesel, however, BP never dispensed diesel during its historic fueling operations. In addition, a records review at the ACEH CUPA department

noted that the current UST used for diesel storage located directly adjacent to RW-1, the well where the LNAPL has been measured. During the most current groundwater monitoring and sampling event, LNAPL observed in well RW-1 was sampled and GRO was detected at a concentration of 110 ug/L, a concentration not indicative of proximity to free-phase gasoline. Therefore, the LNAPL noted during recent monitoring events is a result of former BP service station operations. It is unclear if the source of the LNAPL noted is from the adjacent diesel USTs or an incidental surface spill from an adjacent planter or crack in the station paving. Additionally, no LNAPL has been observed in adjacent well MW-1, indicating the current lateral extent of any LNAPL is small. Since none of these sources are from BP operations, the free-product is not the responsibility of ARC to remove. Since no other free product has been observed at the Site, it has been "removed to the extent possible."

***A conceptual site model (CSM) that assesses the nature, extent, and mobility of the release has been developed***

A conceptual site model has been prepared for the Site and is summarized in Table 1.

***Secondary source has been removed to the extent practical***

Soils around the former dispenser leak have been overexcavated. Soil was excavated to a depth of 9 feet bgs and an unreported volume of petroleum impacted soil was removed and disposed of offsite in 1990. Further soil excavation was reportedly not possible due to existing Site structures and the presence of shallow groundwater.

***Soil and groundwater have been tested for MTBE and results reported in accordance with Health and Safety Code 25296.15***

Soil and groundwater samples collected have been analyzed for benzene and methyl tert-butyl ether (MTBE). Historical MTBE analytical data are included in Table 2 and Appendix B.

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

A nuisance as defined by the water code does not exist at this Site.

## **2.2 Media-Specific Criteria - Groundwater**

The Low Threat UST Closure Policy lists four scenarios for groundwater plumes. Maximum plume lengths as presented in Drawings 4 through 6 are less than 100 feet therefore, the groundwater plumes are fully delineated. For this reason, the Site hydrocarbon plume falls into the first scenario. The Site has not contained free product associated with former BP activities in any wells since installation. Furthermore, the nearest water supply well and surface water are over well over 250 feet away (actually over 2,000 feet away), as presented in the CSM table (Table 1). The combination of these factors indicates a very low to no threat to possible well water or surface water from the petroleum plume at the Site. Tables 2 and 3 present historic groundwater sampling results from monitoring wells. Hydrocarbon concentration trend graphs are included in Appendix C. Historical Site data is included as Appendix C. Groundwater analytical data from the neighboring Chevron site is included as Appendix D.

## **2.3 Media Specific Criteria – Petroleum Vapor Intrusion to Indoor Air**

The Site is an active service station, therefore the Low Threat UST Closure Policy considers that petroleum vapors from onsite fueling activities are a far greater risk than those associated with exposure to vapors from historic petroleum releases; therefore, this Site meets this criteria from closure

according to the Low Threat UST Closure Policy. Additionally, no offsite plume migration has occurred to non-service station locations, so the exemption applies.

## **2.4 Media Specific Criteria – Direct Contact and Outdoor Air Exposure**

During excavation of former dispensers in 1990, a number of soil samples were collected. Soil sampling intervals ranged from 4 to 9 feet bgs. Benzene and ethylbenzene concentrations were reported above the most conservative values listed in Table 1 of the Low Threat UST Closure Policy (1.9 mg/kg and 21 mg/kg, respectively). However, these sampling locations were removed by overexcavation. Additional soil samples were collected after overexcavation, and no concentrations of benzene or ethylbenzene were detected above these values. Maximum concentrations of benzene and ethylbenzene were reported at 1.4 mg/kg and 0.57 mg/kg, respectively. Wells were installed in 1992 and 1993, soil samples from 4.5 to 6 feet bgs were collected in each of these locations. Only the soil sample collected from MW-1 contained petroleum compounds. No benzene was reported, and ethylbenzene was reported at 8.1 mg/kg, lower than the most conservative acceptable level listed in Table 1 of the Low Threat Closure Policy. A full suite of VOCs were analyzed for the sample from MW-3 (near the waste oil tank), including naphthalene, and none were detected above reporting limits. Poly aromatic hydrocarbons (PAHs) were not analyzed, but the data suggests that the a release from the waste oil tank has not occurred

## **2.5 Recommendation for Case Closure**

As presented above and in the attached CSM table (Table 1), this Site appears to meet all applicable criteria for case closure under the Low Threat Closure Policy. Over 20 years of groundwater monitoring history has shown that petroleum hydrocarbons exhibit a strong decreasing trend at the Site, and the plume is shrinking in size. A minor amount of LNAPL recently noted is not from former BP operations, according to available data. These observations regarding the closest receptors and the available Site data collected to date indicate a minimal possibility any receptors being affected. Adequate Site characterization both on- and offsite, evaluation of receptors, historical descriptions, and technical analysis have been performed at the Site and in this document to support a recommendation for case closure. We hereby recommend that a determination of No Further Action be made for this Site. Upon concurrence of this recommendation from the ACEH, closure activities including well decommissioning should be carried out.

### **3.0 REFERENCES**

State Water Resources Control Board, 2012. Low-Threat Underground Storage Tank Case Closure Policy, August 17.



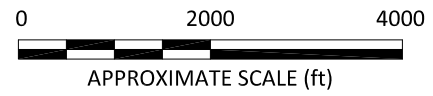
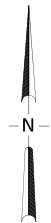
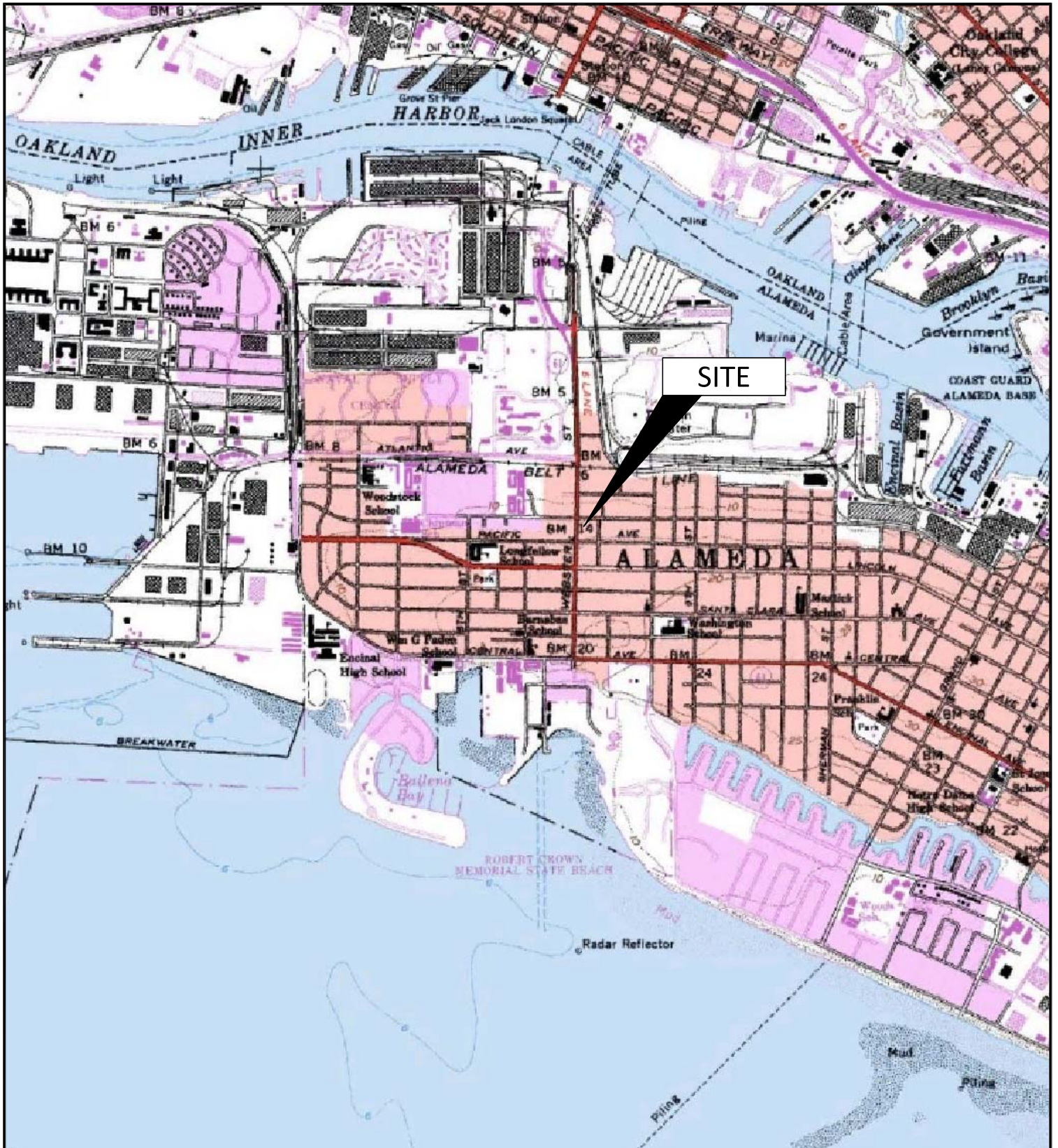


IMAGE SOURCE: USGS



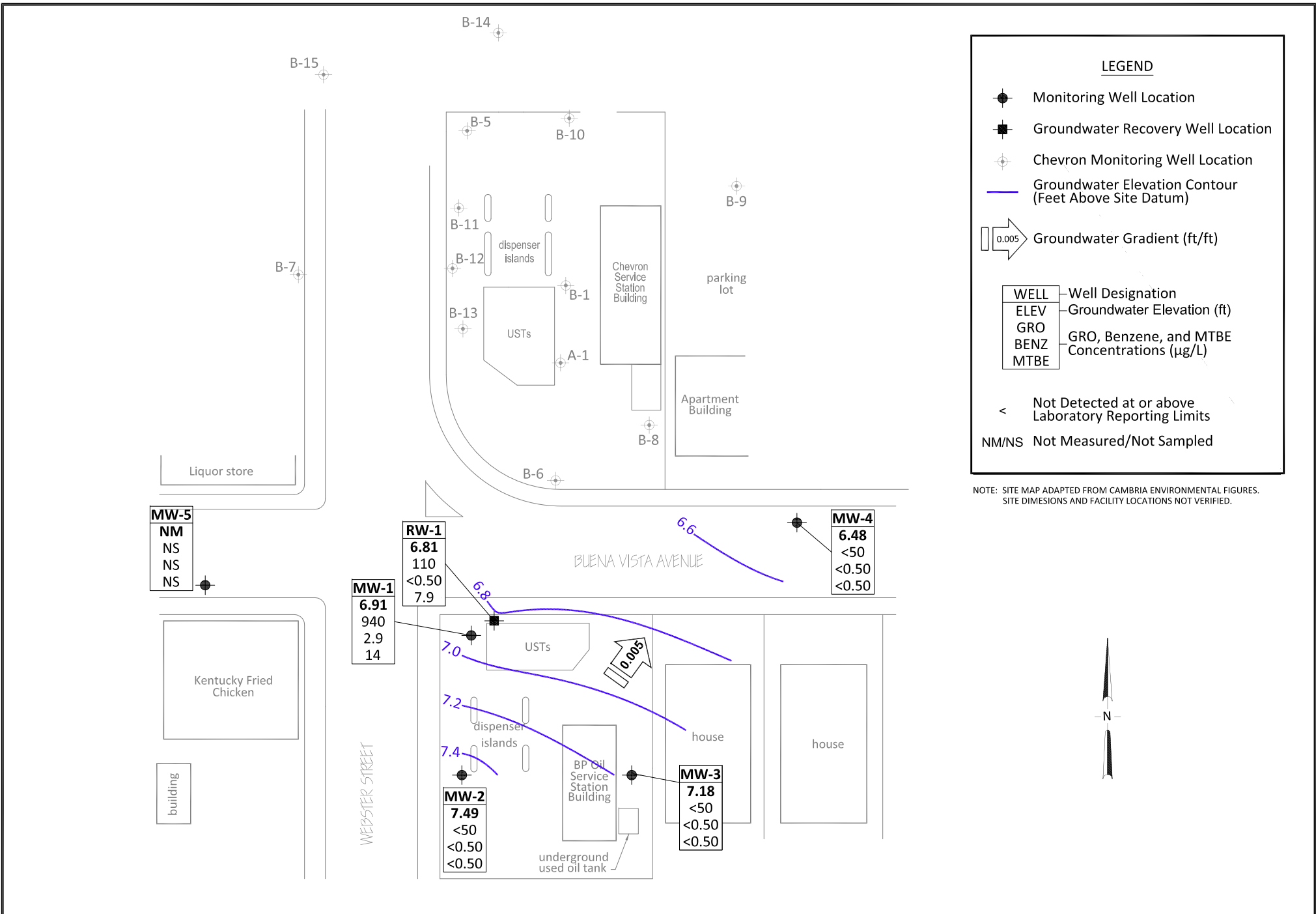
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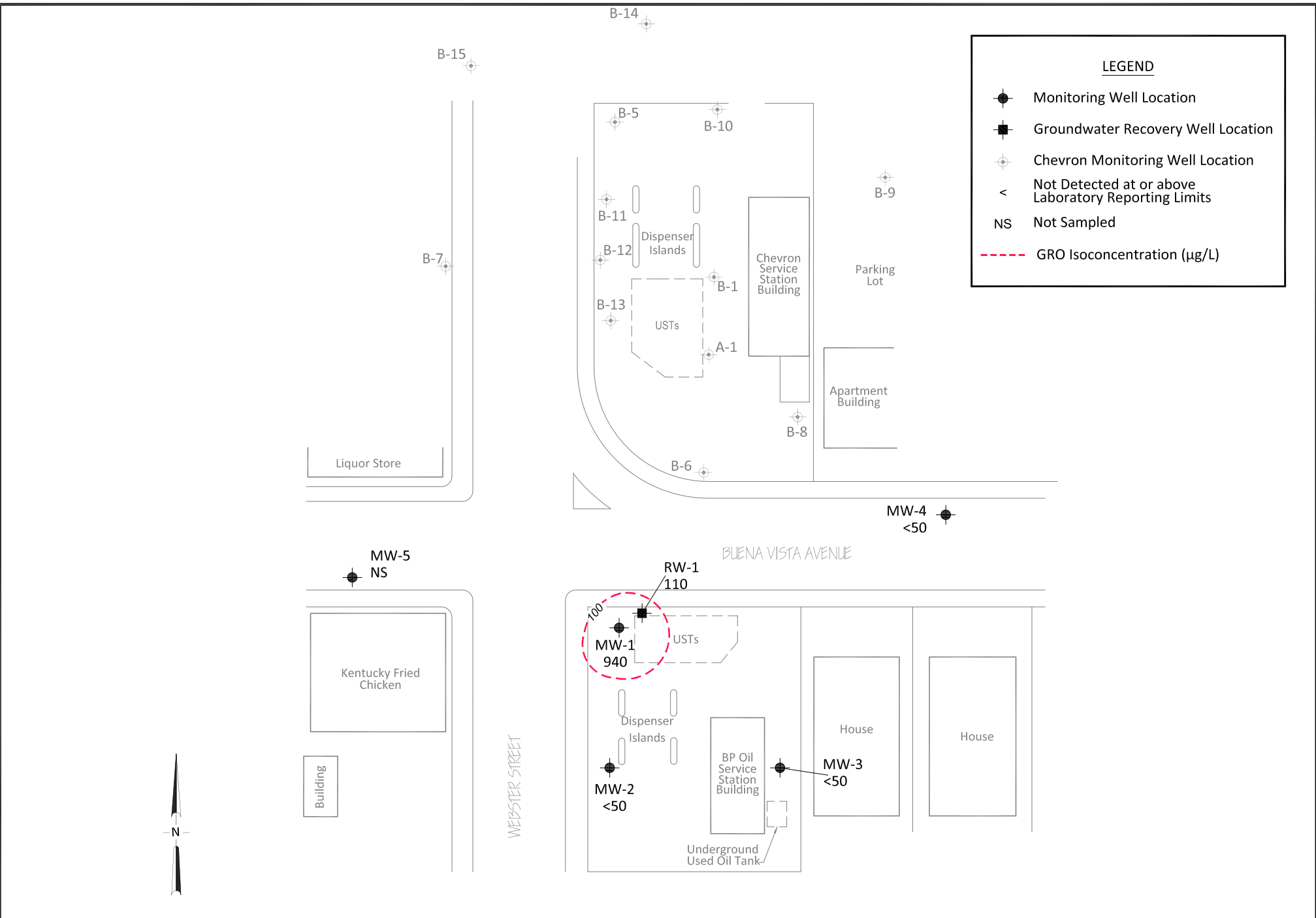
Station #11104  
1716 Webster Street  
Alameda, California

Site Location Map





Drawing

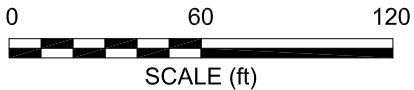
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**LEGEND**

-  Monitoring Well Location
-  Groundwater Recovery Well Location
-  Chevron Monitoring Well Location
- < Not Detected at or above Laboratory Reporting Limits
- NS Not Sampled
-  GRO Isoconcentration (µg/L)




**BROADBENT**  
 875 Cotting Lane, Suite G  
 Vacaville, California 95688  
 Project No.: 06-88-644 Date: 7/9/2013

Station #11104  
 1716 Webster Street  
 Alameda, California

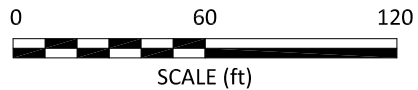
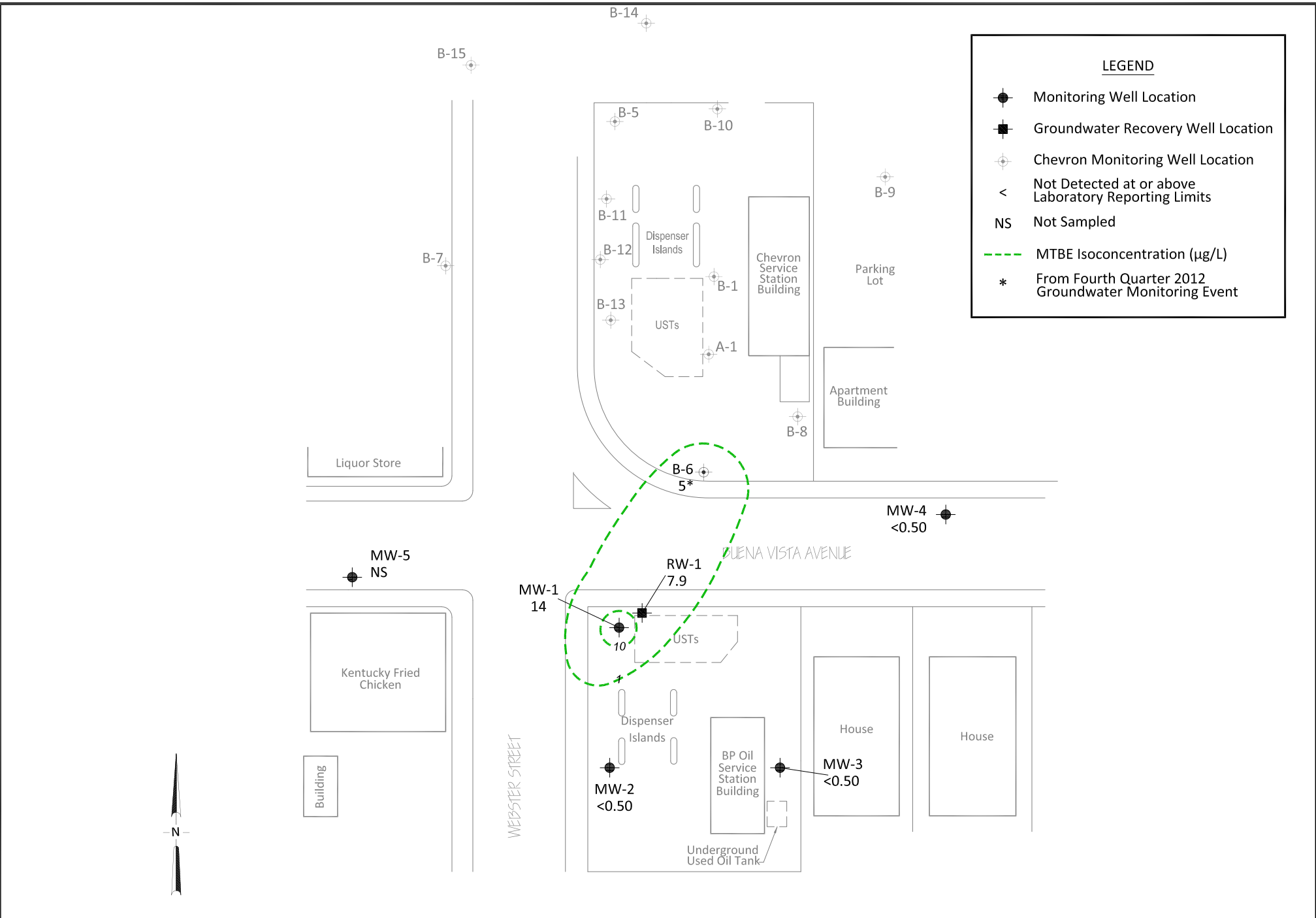
GRO Isoconcentration Contour Map

Drawing

**3**

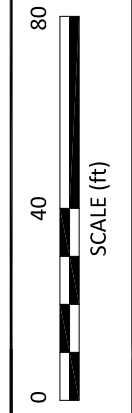
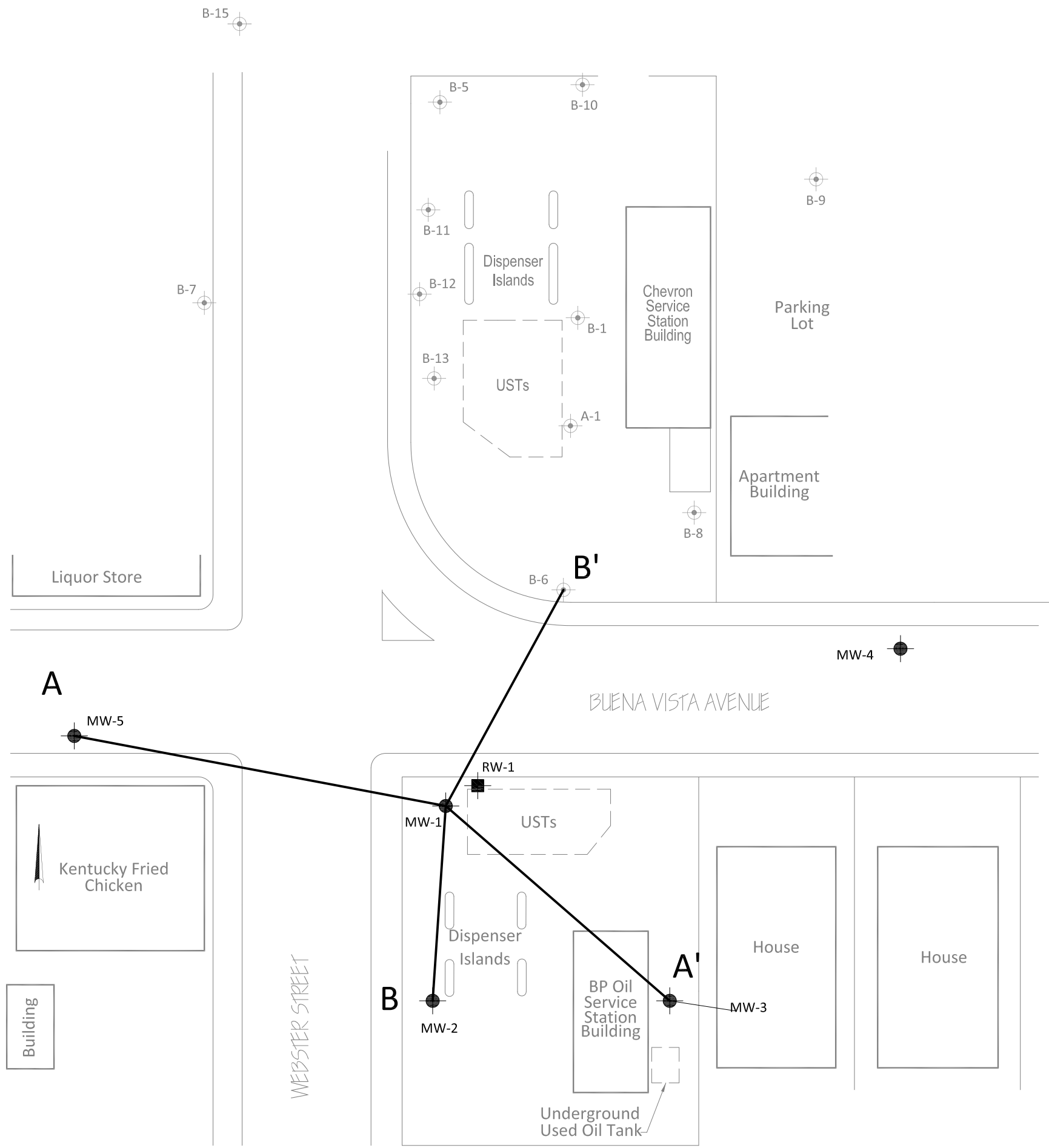


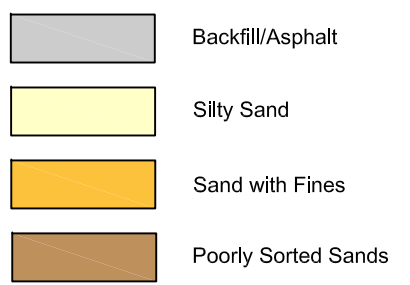
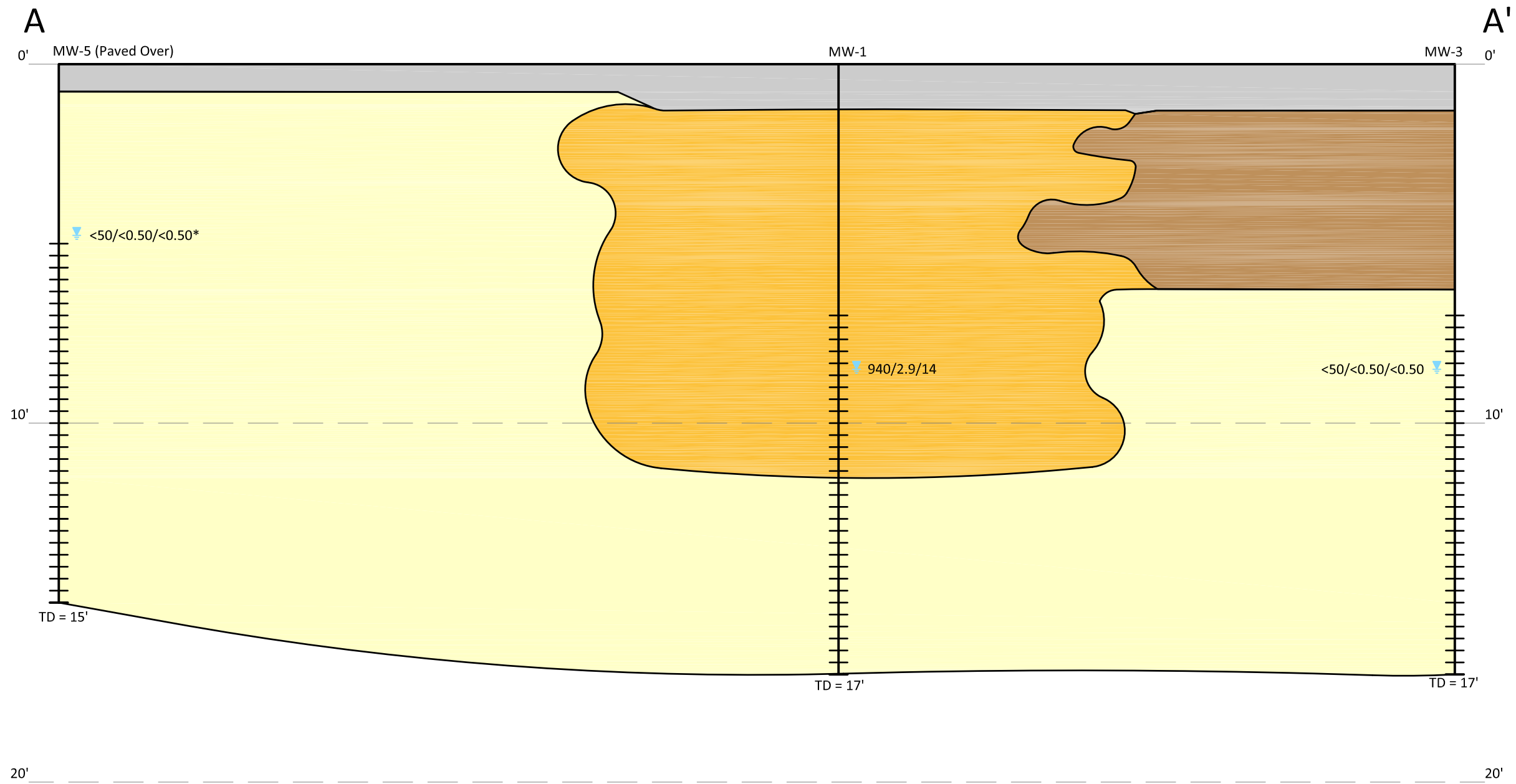




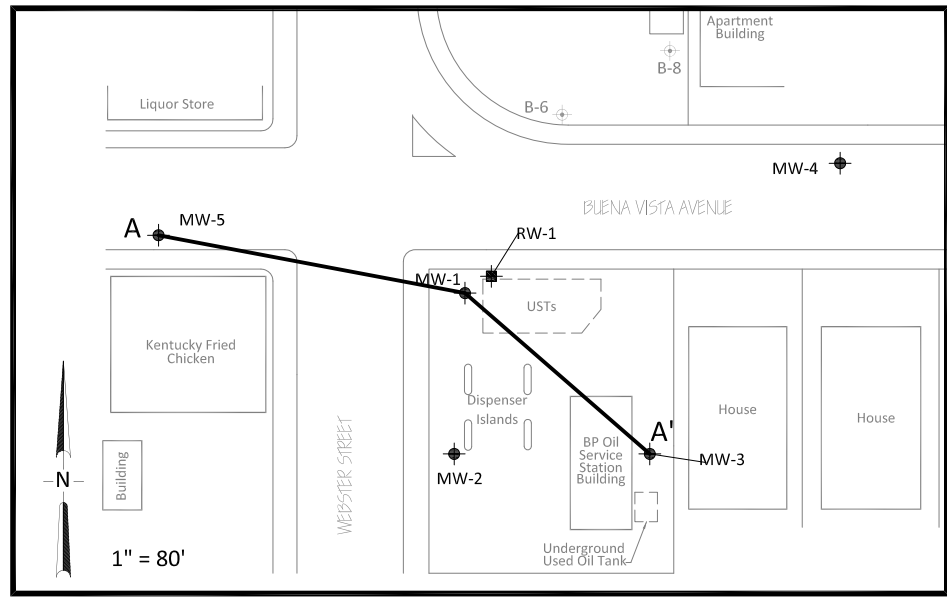
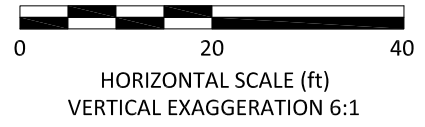
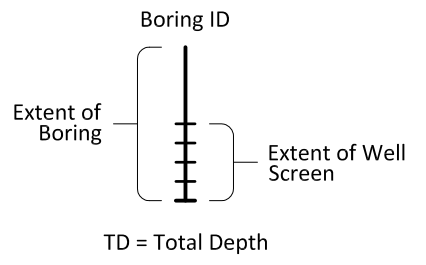
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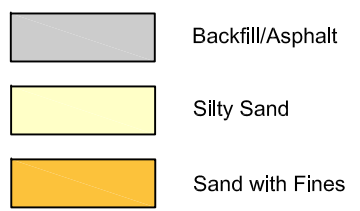
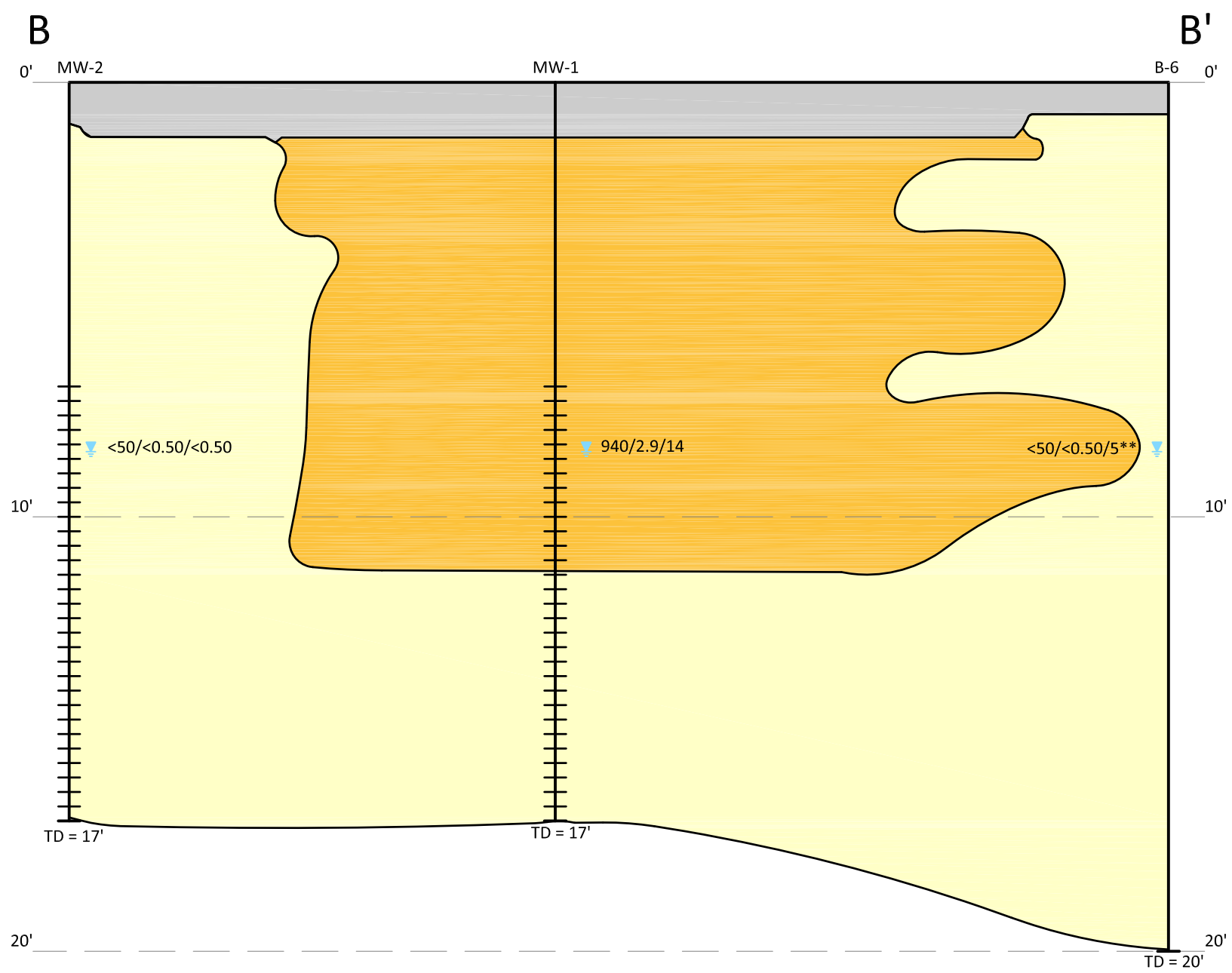
- Monitoring Well Location
- Groundwater Recovery Well Location
- ⊕ Chevron Monitoring Well Location





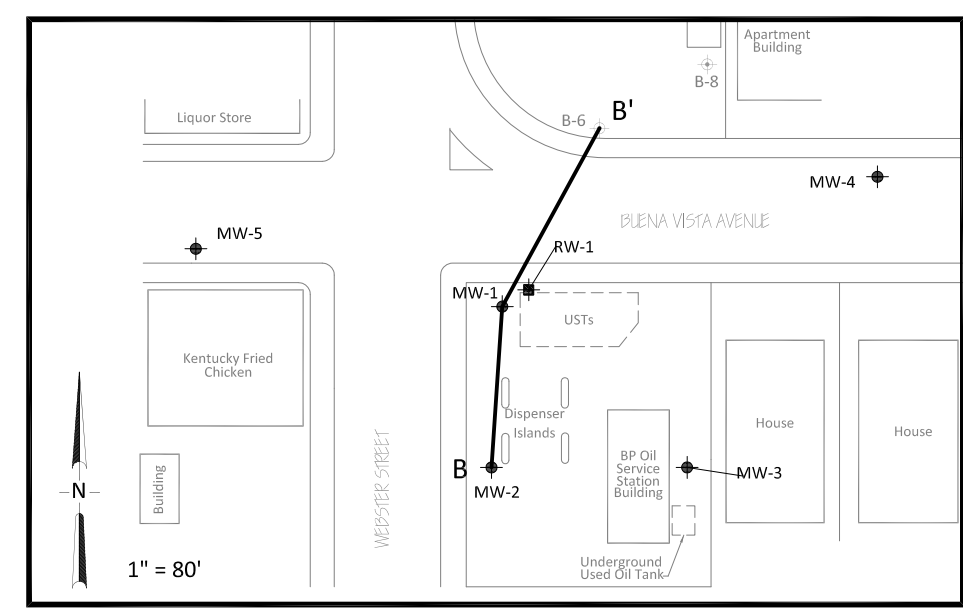
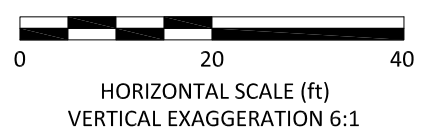
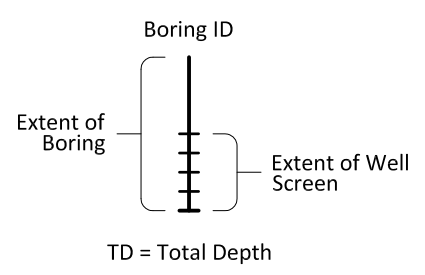
< GRO/Benzene/MTBE Concentration in Groundwater - 2/17/13  
\* Data from 2010 (Well Currently Paved Over)





Groundwater Depth

\*\* Data from 4th Quarter 2012 Sampling at Chevron Site



**TABLE 1****CONCEPTUAL SITE MODEL**

Atlantic Richfield Company Station 11104  
 1716 Webster Street  
 Alameda, California

CSM Element	CSM Sub-Element	Description	Data Gap	How to Address
Geology and Hydrogeology	Regional	<p>According to the <i>East Bay Plain Groundwater Basin Beneficial Use Evaluation Report</i> (California Regional Water Quality Control Board – San Francisco Bay Region, June 1999), the Site is located within the Central Sub-Area of the East Bay Plain of the San Francisco Basin. The Central Sub-Area extends beneath the San Francisco Bay. The boundaries of the sub area are based on the Young Bay Mud. The Young Bay Mud has a sharp “edge” in some areas, and in other areas, the boundary is less well-defined. Alameda and Bay Farm Islands are located along the northeastern edge of the sub area. Historically there were artesian wells in the sub area that produced from gravels below the Yerba Buena Mud, but saltwater intrusion shut down these wells. Single-family residences historically relied on the Merrit Sand for water supply. The Oakland Harbor is located one mile northwest of the Site. The San Francisco Bay is located ½ mile south of the Site.</p> <p>Throughout most of the Alameda County portion of the East Bay Plain, from Hayward north to Albany, water level contours show that the general direction of groundwater flow is from east to west or from the Hayward Fault to the San Francisco Bay. Groundwater flow direction generally correlates to topography. Flow direction and velocity are also influenced by buried stream channels that typically are oriented in an east to west direction.</p>	None	NA
Geology and Hydrogeology	Site	<p>Depth to groundwater at the Site fluctuates seasonally and is typically encountered between 4.5 and 7 feet bgs. Based on groundwater monitoring events conducted since 2006, groundwater direction is predominately to the north-northwest, with an average gradient of 0.005 ft/ft.</p> <p>Lithology beneath the Site is predominately silty sand to total explored depth of 17 bgs (Drawings 7 and 8).</p>	None	NA

**TABLE 1****CONCEPTUAL SITE MODEL**

Atlantic Richfield Company Station 11104  
 1716 Webster Street  
 Alameda, California

CSM Element	CSM Sub-Element	Description	Data Gap	How to Address
Surface Water Bodies		The closest surface water bodies appear to be: the Oakland Inner Harbor, located one mile northwest (downgradient) of the Site; and the San Francisco Bay, located approximately ½-mile south (upgradient) of the Site.	None	NA
Nearby Wells		Results of a sensitive receptor survey performed in 2000 indicated that a total of 26 wells are located within a ½-mile radius of the Site, none of which were domestic or municipal supply wells. Three of the 26 wells within this radius were identified as irrigation wells. They were located approximately 800 feet crossgradient of the Site. The remaining wells identified were monitoring wells.	None	NA
Constituents of Concern	Light-Non Aqueous Phase Liquids (LNAPL)	<p>LNAPL has not been detected at the Site during monitoring history at the Site. Recently, a thin (maximum thickness of 0.06 feet) has been measured during the third quarter 2011, first quarter 2012, and third quarter 2012. A sheen was noted during the first quarter 2013; however the thickness of this product was too thin to be measured. At the time when the LNAPL was first noted during the third quarter 2011, a sample of this product was collected and submitted for fingerprinting analysis. The chromatogram pattern which the product resembled most closely the diesel standard, but was not completely similar. However, it was determined in this reporting that the LNAPL was not gasoline product.</p> <p>As described in the Site history (Appendix A), ARC operated a service station from 1983 to 1994 at which time it was sold to ConocoPhillips. The station currently dispenses diesel, however, ARC never dispensed diesel during its historic fueling operations. In addition, a records review at the ACEH CUPA department noted that the current UST used for diesel storage located directly adjacent to RW-1, the well where the LNAPL has been measured. During the most current groundwater monitoring and sampling event, well RW-1 was sampled and GRO was detected at a</p>	None	NA

**TABLE 1****CONCEPTUAL SITE MODEL**

Atlantic Richfield Company Station 11104  
1716 Webster Street  
Alameda, California

CSM Element	CSM Sub-Element	Description	Data Gap	How to Address
		concentration of 110 µg/L, a concentration not indicative of proximity to gasoline LNAPL. Therefore, the LNAPL noted during recent monitoring events is a result of former ARC service station operations. It is unclear if the source of the LNAPL noted is from the adjacent diesel USTs or an incidental surface spill from an adjacent planter or crack in the station paving.		
Constituents of Concern	Gasoline Range Organics (GRO)	GRO generally been reported in wells MW-1 and RW-1, with lesser concentrations in other Site wells. Recent monitoring results indicate that these two locations are the only wells where GRO is still present. The highest concentration of GRO was detected in well MW-1 in 1999 at a concentration of 390,000 µg/L. Currently, GRO has decreased to a concentration of 940 µg/L. The extent of remaining GRO in groundwater appears to be small. Decreasing GRO trends strongly indicate natural attenuation is occurring, and will continue to occur with remaining GRO in groundwater. Concentration trend charts for all wells are included in Appendix B. A GRO Isoconcentration Map is included as Drawing 3 of this document.	None	NA
Constituents of Concern	Benzene	Benzene generally been reported in wells MW-1 and RW-1, with lesser concentrations in other Site wells. Recent monitoring results indicate well MW-1 is the only location where benzene remains present, where it was detected in 1993 at a concentration of 16,000 µg/L. Currently, benzene has decreased to a concentration of 2.9 µg/L in well MW-1. The extent of remaining benzene in groundwater appears to be small in extent. Decreasing benzene trends strongly indicates natural attenuation is occurring and will continue to occur with remaining benzene in groundwater. Concentration trend charts for all wells are included in Appendix B. A benzene Isoconcentration Map is included as Drawing 4 of this document.	None	NA



**TABLE 1****CONCEPTUAL SITE MODEL**

Atlantic Richfield Company Station 11104  
 1716 Webster Street  
 Alameda, California

<b>CSM Element</b>	<b>CSM Sub-Element</b>	<b>Description</b>	<b>Data Gap</b>	<b>How to Address</b>
Constituents of Concern	MTBE	MTBE has generally been reported in wells MW-1 and RW-1, with lesser to non-detect concentrations in remaining Site wells. Recent monitoring results indicate these two wells are the only locations where MTBE remains present. The highest concentration of MTBE was detected in well MW-1 in 1993 at a concentration of 490,000 µg/L. Currently, MTBE has decreased to a concentration of 14 µg/L in well MW-1. The extent of remaining MTBE in groundwater appears to be small in extent. Decreasing MTBE trends strongly indicates natural attenuation is occurring, and will continue to occur with remaining MTBE in groundwater. Concentration trend charts for all wells are included in Appendix B. An MTBE Isoconcentration Map is included as Drawing 5 of this document.	None	NA
Potential Sources	Onsite	In 1990, product lines at the Site were removed prior to replacement. Soil samples from beneath the pump islands and the product piping for the three USTs containing super unleaded, regular unleaded, and regular leaded were collected. The analytical results indicated an unauthorized release of petroleum hydrocarbons had occurred beneath the dispensers. Soil samples were later collected from the borehole advanced for the installation of MW-1, which is located adjacent to the USTs. No petroleum hydrocarbons were reported from soil samples collected. Therefore, the predominant onsite source of petroleum hydrocarbons remaining in groundwater from ARC operations appears to be the former product lines. Recent LNAPL noted in well RW-1 and next to the current diesel UST is not associated with former BP/ARC operations	None	NA
Potential Sources	Offsite	A Chevron Service Station is located adjacent to the Site to the north. A petroleum release occurred at the Chevron Station in 1982, which was stopped shortly thereafter. Site investigation activities including well and boring advancements initially occurred at the former Shell Station site in 1982. A total of 13 monitoring	None	NA

**TABLE 1****CONCEPTUAL SITE MODEL**

Atlantic Richfield Company Station 11104  
 1716 Webster Street  
 Alameda, California

CSM Element	CSM Sub-Element	Description	Data Gap	How to Address
		wells are currently present at the Chevron Site and have been continuously monitored for over the past 20 years. This neighboring site is located downgradient of the Site. Additionally, petroleum hydrocarbon concentrations have decreased by orders of magnitude during monitoring history at this neighboring site. Due to the decreasing trends and overall low concentration associated with the adjacent Chevron Station site, and its location downgradient of the Site, it is not a likely hydrocarbon source.		
Nature and Extent of Environmental Impacts	Extent in Soil	Based on the soil results from the 1990 dispenser and product piping upgrade activities, it appears that the bulk of petroleum hydrocarbon impacts to soil reported were removed by overexcavation. Maximum residual soil impacts in the vicinity of the dispensers and piping were reported in a sidewall sample (GRO at 73 mg/kg) collected at 4.0 feet bgs and at the base of the excavation at 8.5 feet bgs (benzene at 1.6 mg/kg). Soil samples collected in 1992 during monitoring well installation indicated that GRO was present at approximately 6 feet bgs in well MW-1 (adjacent to the USTs). Soil samples collected from the installation of well MW-2 and MW-3 did not contain any petroleum compounds. Based on the low overall concentrations detected and the decreasing petroleum trends in groundwater (Appendix B) indicating overall petroleum releases in the subsurface, the extent of petroleum hydrocarbons in soil at the Site is defined.	None	NA
Nature and Extent of Environmental Impacts	Extent in Shallow Groundwater	During the First Quarter 2013 monitoring event, the maximum GRO, benzene and MTBE were detected in well MW-1 at 940 µg/L, 2.9 µg/L, and 14 µg/L, respectively. Petroleum hydrocarbon impacts in groundwater are limited to wells MW-1 and RW-1, with residual benzene concentrations only present in well MW-1.  Petroleum hydrocarbon impacts have been defined in the upgradient and	None	NA

**TABLE 1****CONCEPTUAL SITE MODEL**

Atlantic Richfield Company Station 11104  
 1716 Webster Street  
 Alameda, California

CSM Element	CSM Sub-Element	Description	Data Gap	How to Address
Nature and Extent of Environmental Impacts (cont.)	Extent in Shallow Groundwater (cont.)	<p>crossgradient directions by wells MW-2, MW-4, and MW-5. The downgradient extent of petroleum hydrocarbons has not been defined by ARC wells due the location of the adjacent Chevron site. Well B-6 at the Chevron site indicates that MTBE from the Site extends to this well. Historically, no BTEX has been reported in well B-6. MTBE was historically present in this well at a maximum concentration of 34,000 µg/L in 2001, which is consistent with the general time-frame for maximum onsite MTBE concentrations. However, current MTBE concentrations in well B-6 are 5 µg/L, with maximum onsite concentrations at 14 µg/L. These data indicate that the extent of MTBE associated with the Site is defined in the downgradient direction to cleanup levels. Therefore, the extent of the petroleum hydrocarbon plume associated with the Site is small and adequately defined.</p> <p>Isoconcentration contour maps for the most recent groundwater monitoring and sampling event (1Q13) for GRO, benzene, and MTBE are included as Drawings 3 through 5 respectively. Based on these drawings, the extent of petroleum compounds is well defined in all directions and is predominately limited to the Site. The extent of petroleum compounds is small, and based on the observed decreasing trends (Appendix B) the plume is shrinking.</p>		
Nature and Extent of Environmental Impacts	Extent in Deeper Groundwater	The extent of deeper groundwater has not been defined. However, due to the nature of petroleum being less dense than water, being more prevalent at the groundwater surface and the current low concentrations detected, it is unlikely deeper petroleum impacts are present at the Site. Additionally, current concentrations are so low that deeper zone petroleum impacts are unlikely.	None	NA

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 1716 Webster Street  
 Alameda, California

CSM Element	CSM Sub-Element	Description	Data Gap	How to Address
Migration Pathways	Potential Conduits	In 1994, a subsurface investigation was performed to assess concentrations along sewer lines located in Webster Avenue and Buena Vista Street. Groundwater samples were collected at 10 and 13 feet bgs along these sewer lines. Only minor petroleum compounds were reported and it was concluded that the sewer lines were not acting as preferential pathways for contaminant migration.	None	NA
Potential Receptors	Onsite	No onsite water supply wells or surface water exist. The only potential onsite receptor would be onsite workers exposed to gasoline vapors. However, the exposure from current fueling operations represents a greater risk than any associated with potential groundwater or soil vapor exposure (SWRCB, 2012).	None	NA
Potential Receptors	Offsite	A sensitive receptor survey for the Site was conducted in 2000. The water well search consisted of examining files from the California Department of Water Resources (DWR) within ½-mile of the Site. Results of this survey indicated a total of 26 wells are located within a ½-mile radius of the Site. No domestic or municipal supply wells were identified within the ½-mile radius search area. Three irrigation wells were identified during this well survey, with the closest being 800 feet crossgradient of the Site. As noted above, the closest surface water is located over 2,000 feet from the Site. Based on the distance and direction and the overall small plume size, these receptors are not considered threatened by impacted groundwater at the Site.	None	NA

**Notes:**

bgs = below ground surface

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

MTBE = Methyl tert-butyl Ether

BTEX = benzene, toluene, ethylbenzene, xylenes

µg/L = micrograms per liter

mg/Kg = milligrams per kilogram

**Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses  
Former BP Station #11104, 1716 Webster St., Alameda, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
<b>MW-1</b>														
7/21/1992	--	11.98	5.91	0.00	6.07	34,000	7,000	1,700	2,500	6,900	--	--	--	
10/20/1992	--		6.66	0.00	5.32	--	--	--	--	--	--	--	--	
3/5/1993	--		4.56	0.00	7.42	--	--	--	--	--	--	--	--	
4/1/1993	--		4.57	0.00	7.41	--	--	--	--	--	--	--	--	
7/9/1993	--		5.25	0.00	6.73	79,000	16,000	1,500	2,200	7,700	12,952	--	--	c, d, k
7/9/1993	--		5.25	0.00	6.73	77,000	15,000	1,400	2,100	7,400	11,919	--	--	c, k
10/8/1993	--		6.01	0.00	5.97	42,000	7,100	270	2,700	4,700	--	--	--	k
1/6/1994	--		6.24	0.00	5.74	45,000	12,000	4,300	3,000	6,700	--	--	--	k
4/26/1994	--		5.26	0.00	6.72	39,000	6,500	500	1,800	1,200	16,663	6.3	--	c, k
7/25/1994	--		5.60	0.00	6.38	38,000	6,300	240	1,500	1,100	26,428	1.7	--	c, k
10/13/1994	--		6.15	0.00	5.83	25,000	7,300	120	1,200	740	--	--	--	d, k
10/13/1994	--		6.15	0.00	5.83	25,000	6,300	130	1,300	830	--	2.3	--	k
1/17/1995	--		4.19	0.00	7.79	8,400	3,100	1,200	470	1,000	--	--	--	d
1/17/1995	--		4.19	0.00	7.79	7,800	3,100	1,100	460	850	--	7.9	--	
3/31/1995	--		4.48	0.00	7.50	40,000	6,900	7,300	1,300	5,000	--	--	--	d
3/31/1995	--		4.48	0.00	7.50	37,000	6,700	6,900	1,200	4,500	--	6.4	--	
5/1/1995	--		4.39	0.00	7.59	--	--	--	--	--	--	--	--	
7/12/1995	--		5.02	0.00	6.96	29,000	6,600	380	1,500	3,900	--	--	--	d
7/12/1995	--		5.02	0.00	6.96	29,000	7,000	300	1,500	3,900	--	7.2	--	
10/12/1995	--		5.68	0.00	6.30	20,000	3,500	310	1,100	3,000	14,000	--	--	d
10/12/1995	--		5.68	0.00	6.30	20,000	3,400	310	1,100	3,000	15,000	6.3	--	
2/27/1996	--		4.18	0.00	7.80	18,000	4,400	2,900	860	2,380	5,500	7.9	--	
5/8/1996	--		4.89	0.00	7.09	--	--	--	--	--	--	--	--	
5/9/1996	--		--	--	--	14,000	2,300	1,900	540	3,340	2,700	6.1	--	
8/9/1996	--		5.13	0.00	6.85	--	--	--	--	--	--	--	--	
8/12/1996	--		--	--	--	13,000	2,800	190	1,300	3,040	1,800	7.1	--	
11/7/1996	--		5.65	0.00	6.33	12,000	2,100	35	<25	<25	2,100	7.2	--	
2/10/1997	--		4.80	0.00	7.18	180,000	2,100	<500	<500	<500	160,000	--	--	d
2/10/1997	--		4.80	0.00	7.18	180,000	1,900	<500	<500	<500	160,000	6.8	--	
8/4/1997	--		5.69	0.00	6.29	<25000	2,600	<50	1,200	1,100	260,000	--	--	d

**Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses  
Former BP Station #11104, 1716 Webster St., Alameda, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
<b>MW-1 Cont.</b>														
8/4/1997	--	11.98	5.69	0.00	6.29	14,000	2,700	<50	1,200	1,220	250,000	7.2	--	
1/27/1998	--		3.96	0.00	8.02	390,000	4,400	4,300	1,600	2,890	490,000	6.4	--	
9/2/1998	--		5.03	0.00	6.95	230,000	3,900	<50	1,900	1,000	230,000	6.3	--	
2/24/1999	--		4.94	0.00	7.04	82,000	3,000	520	2,600	3,200	90,000/200,000	--	--	h
8/30/1999	--		6.31	0.00	5.67	11,000	2,100	<25	1,800	580	48,000	--	--	
2/21/2000	--		4.47	0.00	7.51	12,000 i	1,200	250	930	1,800	31,000	--	--	i
8/8/2000	--		5.59	0.00	6.39	4,500	160	2.8	76	88	60,000	--	--	
2/12/2001	--		6.04	0.00	5.94	14,000	363	<12.5	108	293	18,000	--	--	
8/13/2001	--		6.44	0.00	5.54	14,000	161	17.1	255	545	5,590	--	--	
2/4/2002	--		4.49	0.00	7.49	17,000	176	57.9	538	1,670	2,470	--	--	
8/29/2002	--		5.22	0.00	6.76	4,800 l	180	43	130	540	3,100	--	--	l
2/5/2003	--		5.43	0.00	6.55	770	29	9.8	4.2	47	590 m,n	--	--	m,n
8/14/2003	--		6.34	0.00	5.64	5,400	210	<50	90	200	4,500	--	--	p
02/12/2004	P		4.55	0.00	7.43	2,600	140	20	87	170	1,200	--	6.8	
08/12/2004	P		5.22	0.00	6.76	5,700	500	12	41	1,400	260	--	6.3	
02/10/2005	P		4.48	0.00	7.50	2,400	120	10	72	110	730	--	6.1	
08/11/2005	P		4.60	0.00	7.38	4,600	500	13	44	870	190	--	6.8	
02/09/2006	P		4.47	0.00	7.51	2,600	180	12	96	230	380	--	7.0	
8/10/2006	--		4.77	0.00	7.21	7,000	720	17	62	870	47	--	6.7	
2/8/2007	P		5.13	0.00	6.85	2,200	100	6.3	53	120	130	5.52	6.82	
8/8/2007	P		5.47	0.00	6.51	1,500	78	4.9	43	120	140	4.32	7.04	t (BZ, EBZ, XYLENES, MTBE)
2/22/2008	P		4.40	0.00	7.58	4,400	130	71	390	1,200	59	5.01	7.06	
8/13/2008	P		5.55	0.00	6.43	7,500	220	16	130	1,600	370	0.48	8.13	
2/11/2009	P		5.51	0.00	6.47	1,900	26	<2.0	15	35	68	0.57	6.62	
8/27/2009	P		5.45	0.00	6.53	3,300	37	2.4	9.5	650	20	0.61	7.51	
2/18/2010	P		4.71	0.00	7.27	2,700	32	7.6	42	95	48	0.81	6.80	
8/12/2010	NP		5.48	0.00	6.50	3,200	50	2.4	52	220	76	1.72	6.9	
2/17/2011	P		4.82	0.00	7.16	2,400	44	<2.0	160	230	40	0.75	7.2	
7/5/2011	--		4.86	0.00	7.12	6,900	110	5.5	190	1,900	22	0.41	7.2	
2/28/2012	P		5.63	0.00	6.35	9,600	310	13	560	1,700	610	0.53	6.57	

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						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
<b>MW-1 Cont.</b>														
8/15/2012	P	11.98	5.68	0.00	6.30	1,800	19	1.1	8.2	340	16	1.62	7.37	
<b>2/21/2013</b>	<b>P</b>		<b>5.07</b>	<b>0.00</b>	<b>6.91</b>	<b>940</b>	<b>2.9</b>	<b>1.3</b>	<b>13</b>	<b>30</b>	<b>14</b>	<b>1.28</b>	<b>7.33</b>	
<b>MW-2</b>														
7/21/1992	--	12.98	6.44	0.00	6.54	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	
10/20/1992	--		7.39	0.00	5.59	--	--	--	--	--	--	--	--	
3/5/1993	--		4.91	0.00	8.07	--	--	--	--	--	--	--	--	
4/1/1993	--		4.92	0.00	8.06	--	--	--	--	--	--	--	--	
7/9/1993	--		5.60	0.00	7.38	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	k
10/8/1993	--		6.50	0.00	6.48	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	d, k
10/8/1993	--		6.50	0.00	6.48	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	k
1/6/1994	--		6.25	0.00	6.73	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	k
4/26/1994	--		5.73	0.00	7.25	<50	<0.5	<0.5	<0.5	<0.5	<5.0	7.5	--	k
7/25/1994	--		6.07	0.00	6.91	<50	<0.5	<0.5	<0.5	<0.5	11.59	2.4	--	k
10/13/1994	--		6.80	0.00	6.18	<50	<0.5	<0.5	<0.5	<0.5	--	2.4	--	k
1/17/1995	--		5.10	0.00	7.88	--	--	--	--	--	--	--	--	
3/31/1995	--		4.69	0.00	8.29	<50	<0.50	<0.50	<0.50	<1.0	--	7.3	--	
5/1/1995	--		5.23	0.00	7.75	--	--	--	--	--	--	--	--	
7/12/1995	--		5.40	0.00	7.58	--	--	--	--	--	--	--	--	
10/12/1995	--		6.06	0.00	6.92	<50	<0.50	<0.50	<0.50	<1.0	<5.0	6.9	--	
2/27/1996	--		4.66	0.00	8.32	<50	<0.5	<1	<1	<1	<10	8.7	--	
5/8/1996	--		5.28	0.00	7.70	--	--	--	--	--	--	--	--	
8/9/1996	--		5.59	0.00	7.39	<50	<0.5	<1.0	<1.0	<1.0	<10	7.8	--	
11/7/1996	--		6.11	0.00	6.87	--	--	--	--	--	--	--	--	
2/10/1997	--		5.26	0.00	7.72	--	--	--	--	--	--	--	--	
8/4/1997	--		6.14	0.00	6.84	<50	<0.5	<1.0	<1.0	<1.0	<10	6.5	--	
1/27/1998	--		4.42	0.00	8.56	--	--	--	--	--	--	--	--	
9/2/1998	--		5.47	0.00	7.51	100	0.56	3.6	<1.0	3	110	6.9	--	
2/24/1999	--		5.12	0.00	7.86	<50	<1.0	<1.0	<1.0	<1.0	8.2	--	--	
8/30/1999	--		6.60	0.00	6.38	--	--	--	--	--	--	--	--	
2/21/2000	--		4.64	0.00	8.34	<50	<0.5	<0.5	<0.5	<0.5	0.72	--	--	

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						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
<b>MW-2 Cont.</b>														
2/12/2001	--	12.98	5.13	0.00	7.85	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	
2/4/2002	--		5.63	0.00	7.35	<50	<0.5	<0.5	<0.5	<1.0	<0.5	--	--	
8/29/2002	--		5.79	0.00	7.19	--	--	--	--	--	--	--	--	
2/5/2003	--		5.61	0.00	7.37	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	n
8/14/2003	--		--	--	--	--	--	--	--	--	--	--	--	o
02/12/2004	P		5.19	0.00	7.79	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	6.4	p
08/12/2004	--		6.17	0.00	6.81	--	--	--	--	--	--	--	--	
02/10/2005	P		5.01	0.00	7.97	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	5.9	
08/11/2005	--		6.39	0.00	6.59	--	--	--	--	--	--	--	--	
02/09/2006	P		4.80	0.00	8.18	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	6.8	
8/10/2006	--		6.18	0.00	6.80	--	--	--	--	--	--	--	--	
2/8/2007	P		5.67	0.00	7.31	<50	<0.50	<0.50	<0.50	<0.50	<0.50	5.94	7.04	
8/8/2007	--		6.00	0.00	6.98	--	--	--	--	--	--	--	--	
2/22/2008	P		5.15	0.00	7.83	52	<0.50	<0.50	<0.50	<0.50	<0.50	5.81	7.12	
8/13/2008	--		6.20	0.00	6.78	--	--	--	--	--	--	--	--	
2/11/2009	P		6.02	0.00	6.96	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.90	6.73	
8/27/2009	--		6.12	0.00	6.86	--	--	--	--	--	--	--	--	
2/18/2010	P		5.45	0.00	7.53	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.31	6.56	
8/12/2010	--		5.92	0.00	7.06	--	--	--	--	--	--	--	--	
2/17/2011	NP		5.56	0.00	7.42	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.83	7.6	
7/5/2011	--		5.54	0.00	7.44	--	--	--	--	--	--	--	--	
2/28/2012	P		6.25	0.00	6.73	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.20	6.24	
8/15/2012	--		6.22	0.00	6.76	--	--	--	--	--	--	--	--	
<b>2/21/2013</b>	<b>P</b>		<b>5.49</b>	<b>0.00</b>	<b>7.49</b>	<b>&lt;50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;1.0</b>	<b>&lt;0.50</b>	<b>2.81</b>	<b>7.14</b>	
<b>MW-3</b>														
7/21/1992	--	13.38	7.07	0.00	6.31	<50	0.95	<0.5	<0.5	<0.5	--	--	--	e
10/20/1992	--		8.06	0.00	5.32	--	--	--	--	--	--	--	--	
3/5/1993	--		5.16	0.00	8.22	--	--	--	--	--	--	--	--	
4/1/1993	--		5.25	0.00	8.13	--	--	--	--	--	--	--	--	
7/9/1993	--		5.80	0.00	7.58	<50	0.6	<0.5	<0.5	<0.5	--	--	--	k



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						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
<b>MW-3 Cont.</b>														
10/8/1993	--	13.38	7.17	0.00	6.21	<50	0.6	<0.5	<0.5	<0.5	--	--	--	k
1/6/1994	--		6.94	0.00	6.44	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	k
4/26/1994	--		6.18	0.00	7.20	<50	<0.5	<0.5	<0.5	<0.5	<5.0	3.1	--	k
7/25/1994	--		6.67	0.00	6.71	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.2	--	k
10/13/1994	--		7.43	0.00	5.95	<50	<0.5	<0.5	<0.5	<0.5	--	2.1	--	k
1/17/1995	--		5.07	0.00	8.31	--	--	--	--	--	--	--	--	
3/31/1995	--		4.03	0.00	9.35	<50	<0.50	<0.50	<0.50	<1.0	--	6.6	--	
5/1/1995	--		4.94	0.00	8.44	--	--	--	--	--	--	--	--	
7/12/1995	--		5.80	0.00	7.58	--	--	--	--	--	--	--	--	
10/12/1995	--		6.64	0.00	6.74	<50	<0.50	<0.50	<0.50	<1.0	<5.0	6.4	--	
2/27/1996	--		4.75	0.00	8.63	<50	<0.5	<1	<1	<1	<10	8.5	--	
5/8/1996	--		5.86	0.00	7.52	--	--	--	--	--	--	--	--	
8/9/1996	--		5.70	0.00	7.68	<50	<0.5	<1.0	<1.0	<1.0	<10	7.9	--	
11/7/1996	--		6.21	0.00	7.17	--	--	--	--	--	--	--	--	
2/10/1997	--		5.14	0.00	8.24	--	--	--	--	--	--	--	--	
8/4/1997	--		6.01	0.00	7.37	<50	<0.5	<1.0	<1.0	<1.0	<10	6.6	--	
1/27/1998	--		4.30	0.00	9.08	--	--	--	--	--	--	--	--	
9/2/1998	--		5.80	0.00	7.58	<50	<0.5	2.2	<1.0	<1.0	<10	6.6	--	
2/24/1999	--		4.34	0.00	9.04	<50	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	
8/30/1999	--		6.59	0.00	6.79	--	--	--	--	--	--	--	--	
2/21/2000	--		4.56	0.00	8.82	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	
2/12/2001	--		4.98	0.00	8.40	--	--	--	--	--	--	--	--	j
2/4/2002	--		6.11	0.00	7.27	--	--	--	--	--	--	--	--	j
8/29/2002	--		6.22	0.00	7.16	--	--	--	--	--	--	--	--	j
2/5/2003	--		--	--	--	--	--	--	--	--	--	--	--	f
8/14/2003	--		--	--	--	--	--	--	--	--	--	--	--	o
02/12/2004	P		4.94	0.00	8.44	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	6.0	p
08/12/2004	--		6.22	0.00	7.16	--	--	--	--	--	--	--	--	
02/10/2005	P		5.45	0.00	7.93	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	5.1	
08/11/2005	--		5.77	0.00	7.61	--	--	--	--	--	--	--	--	r

**Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses**  
**Former BP Station #11104, 1716 Webster St., Alameda, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
<b>MW-3 Cont.</b>														
02/09/2006	P	13.38	5.17	0.00	8.21	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	6.7	
8/10/2006	--		5.86	0.00	7.52	--	--	--	--	--	--	--	--	
2/8/2007	P		6.00	0.00	7.38	<50	<0.50	<0.50	<0.50	<0.50	<0.50	5.34	7.04	
8/8/2007	--		6.68	0.00	6.70	--	--	--	--	--	--	--	--	
2/22/2008	P		5.38	0.00	8.00	54	<0.50	<0.50	<0.50	<0.50	<0.50	3.81	6.87	
8/13/2008	--		6.37	0.00	7.01	--	--	--	--	--	--	--	--	
2/11/2009	P		6.70	0.00	6.68	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.79	7.18	
8/27/2009	--		6.78	0.00	6.60	--	--	--	--	--	--	--	--	
2/18/2010	P		5.80	0.00	7.58	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.39	6.12	
8/12/2010	--		6.60	0.00	6.78	--	--	--	--	--	--	--	--	
2/17/2011	NP		5.66	0.00	7.72	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.92	6.5	
7/5/2011	--		6.20	0.00	7.18	--	--	--	--	--	--	--	--	
2/28/2012	P		6.78	0.00	6.60	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.56	6.20	
8/15/2012	--		6.90	0.00	6.48	--	--	--	--	--	--	--	--	
<b>2/21/2013</b>	<b>P</b>		<b>6.20</b>	<b>0.00</b>	<b>7.18</b>	<b>&lt;50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>2.89</b>	<b>6.58</b>	
<b>MW-4</b>														
3/5/1993	--	11.80	4.81	0.00	6.99	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	
4/1/1993	--		4.80	0.00	7.00	--	--	--	--	--	--	--	--	
7/9/1993	--		5.54	0.00	6.26	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	k
10/8/1993	--		6.28	0.00	5.52	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	k
1/6/1994	--		5.82	0.00	5.98	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	k
4/26/1994	--		5.50	0.00	6.30	<50	<0.5	<0.5	<0.5	<0.5	<5.0	7.4	--	k
7/25/1994	--		5.83	0.00	5.97	<50	<0.5	<0.5	<0.5	<0.5	<5.0	7.2	--	k
10/13/1994	--		6.26	0.00	5.54	<50	<0.5	<0.5	<0.5	<0.5	--	6.7	--	k
1/17/1995	--		4.19	0.00	7.61	--	--	--	--	--	--	--	--	
3/31/1995	--		3.96	0.00	7.84	<50	<0.50	<0.50	<0.50	<1.0	--	7.1	--	
5/1/1995	--		4.49	0.00	7.31	--	--	--	--	--	--	--	--	
7/12/1995	--		5.16	0.00	6.64	--	--	--	--	--	--	--	--	
10/12/1995	--		5.80	0.00	6.00	<50	<0.50	<0.50	<0.50	<1.0	<5.0	6.9	--	
2/27/1996	--		4.22	0.00	7.58	<50	<0.5	<1	<1	<1	<10	8.9	--	

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Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
<b>MW-4 Cont.</b>														
5/8/1996	--	11.80	5.00	0.00	6.80	--	--	--	--	--	--	--	--	
8/9/1996	--		5.13	0.00	6.67	<50	<0.5	<1.0	<1.0	<1.0	<10	8.5	--	
11/7/1996	--		5.65	0.00	6.15	--	--	--	--	--	--	--	--	
2/10/1997	--		4.81	0.00	6.99	--	--	--	--	--	--	--	--	
8/4/1997	--		5.72	0.00	6.08	<50	<0.5	<1.0	<1.0	<1.0	<10	6.4	--	
1/27/1998	--		4.06	0.00	7.74	--	--	--	--	--	--	--	--	
9/2/1998	--		4.89	0.00	6.91	<50	<0.5	<1.0	<1.0	<1.0	<10	5.8	--	
2/24/1999	--		3.89	0.00	7.91	<50	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	
8/30/1999	--		5.62	0.00	6.18	--	--	--	--	--	--	--	--	
2/21/2000	--		4.00	0.00	7.80	<50	<0.5	<0.5	<0.5	<0.5	0.66	--	--	
2/12/2001	--		4.93	0.00	6.87	<50	<0.5	<0.5	<0.5	<0.5	0.982	--	--	
2/4/2002	--		4.49	0.00	7.31	<50	<0.5	<0.5	<0.5	<1.0	<0.5	--	--	
8/29/2002	--		5.38	0.00	6.42	--	--	--	--	--	--	--	--	
2/5/2003	--		4.50	0.00	7.30	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	n
8/14/2003	--		--	--	--	--	--	--	--	--	--	--	--	o
02/12/2004	P		4.41	0.00	7.39	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	6.3	p
08/12/2004	--		5.20	0.00	6.60	--	--	--	--	--	--	--	--	
02/10/2005	P		4.43	0.00	7.37	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	5.5	
08/11/2005	--		5.09	0.00	6.71	--	--	--	--	--	--	--	--	
02/09/2006	P		4.32	0.00	7.48	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	6.8	
7/26/2006	--		--	--	--	--	--	--	--	--	--	--	--	
8/10/2006	--		5.07	0.00	6.73	--	--	--	--	--	--	--	--	
2/8/2007	P		5.10	0.00	6.70	<50	<0.50	<0.50	<0.50	<0.50	<0.50	5.63	7.07	
8/8/2007	--		5.55	0.00	6.25	--	--	--	--	--	--	--	--	
2/22/2008	P		4.35	0.00	7.45	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.61	6.88	
8/13/2008	--		5.70	0.00	6.10	--	--	--	--	--	--	--	--	
2/11/2009	P		6.58	0.00	5.22	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.66	6.36	
8/27/2009	--		5.64	0.00	6.16	--	--	--	--	--	--	--	--	
2/18/2010	P		4.69	0.00	7.11	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.92	6.37	
8/12/2010	--		5.39	0.00	6.41	--	--	--	--	--	--	--	--	

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Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
<b>MW-4 Cont.</b>														
2/17/2011	P	11.80	4.75	0.00	7.05	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.84	6.7	
7/5/2011	--		4.91	0.00	6.89	--	--	--	--	--	--	--	--	
2/28/2012	P		5.81	0.00	5.99	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.86	5.76	
8/15/2012	--		5.83	0.00	5.97	--	--	--	--	--	--	--	--	
<b>2/21/2013</b>	<b>P</b>		<b>5.32</b>	<b>0.00</b>	<b>6.48</b>	<b>&lt;50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;1.0</b>	<b>&lt;0.50</b>	<b>2.00</b>	<b>7.19</b>	
<b>MW-5</b>														
4/1/1993	--	11.62	4.77	0.00	6.85	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	
7/9/1993	--		5.40	0.00	6.22	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	k
10/8/1993	--		5.87	0.00	5.75	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	k
1/6/1994	--		5.75	0.00	5.87	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	k
4/26/1994	--		5.49	0.00	6.13	<50	<0.5	<0.5	<0.5	<0.5	<5.0	7.1	--	k
7/25/1994	--		5.69	0.00	5.93	<50	<0.5	<0.5	<0.5	<0.5	<5.0	6.6	--	k
10/13/1994	--		6.03	0.00	5.59	<50	<0.5	<0.5	<0.5	<0.5	--	3.0	--	k
1/17/1995	--		4.74	0.00	6.88	--	--	--	--	--	--	--	--	
3/31/1995	--		4.58	0.00	7.04	<50	<0.50	<0.50	<0.50	<1.0	--	7.1	--	
5/1/1995	--		4.79	0.00	6.83	--	--	--	--	--	--	--	--	
7/12/1995	--		5.32	0.00	6.30	--	--	--	--	--	--	--	--	
10/12/1995	--		5.70	0.00	5.92	<50	<0.50	<0.50	<0.50	<1.0	<5.0	6.7	--	
2/27/1996	--		--	--	--	--	--	--	--	--	--	--	--	f
5/8/1996	--		4.91	0.00	6.71	--	--	--	--	--	--	--	--	
8/9/1996	--		5.01	0.00	6.61	<50	<0.5	<1.0	<1.0	<1.0	<10	7.7	--	
11/7/1996	--		5.54	0.00	6.08	--	--	--	--	--	--	--	--	
2/10/1997	--		4.66	0.00	6.96	--	--	--	--	--	--	--	--	
8/4/1997	--		5.51	0.00	6.11	<50	<0.5	<1.0	<1.0	<1.0	<10	6.9	--	
1/27/1998	--		4.01	0.00	7.61	--	--	--	--	--	--	--	--	
9/2/1998	--		5.17	0.00	6.45	<50	<0.5	<1.0	<1.0	<1.0	<10	6.4	--	
2/24/1999	--		4.52	0.00	7.10	<50	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	
8/30/1999	--		6.02	0.00	5.60	--	--	--	--	--	--	--	--	
2/21/2000	--		4.62	0.00	7.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	
2/12/2001	--		4.80	0.00	6.82	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	

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						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
<b>MW-5 Cont.</b>														
2/4/2002	--	11.62	4.63	0.00	6.99	<50	<0.5	<0.5	<0.5	<1.0	<0.5	--	--	
8/29/2002	--		5.15	0.00	6.47	--	--	--	--	--	--	--	--	
2/5/2003	--		4.36	0.00	7.26	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	
8/14/2003	--		--	--	--	--	--	--	--	--	--	--	--	o
02/12/2004	--		--	--	--	--	--	--	--	--	--	--	--	f
08/12/2004	--		4.91	0.00	6.71	--	--	--	--	--	--	--	--	
02/10/2005	P		4.54	0.00	7.08	<50	<0.50	<0.50	<0.50	<0.50	0.90	--	6.1	
08/11/2005	--		4.92	0.00	6.70	--	--	--	--	--	--	--	--	
02/09/2006	--		--	--	--	--	--	--	--	--	--	--	--	s
8/10/2006	--		5.07	0.00	6.55	--	--	--	--	--	--	--	--	
2/8/2007	P		5.10	0.00	6.52	<50	<0.50	<0.50	<0.50	<0.50	<0.50	6.01	7.20	
8/8/2007	--		5.42	0.00	6.20	--	--	--	--	--	--	--	--	
2/22/2008	P		4.20	0.00	7.42	<50	<0.50	<0.50	<0.50	<0.50	<0.50	5.52	7.25	
8/13/2008	--		5.27	0.00	6.35	--	--	--	--	--	--	--	--	
2/11/2009	P		4.81	0.00	6.81	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.87	6.71	
8/27/2009	--		4.99	0.00	6.63	--	--	--	--	--	--	--	--	
2/18/2010	P		5.60	0.00	6.02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.35	6.87	
8/12/2010	--		--	--	--	--	--	--	--	--	--	--	--	f
2/17/2011	--		--	--	--	--	--	--	--	--	--	--	--	f, paved over
<b>QC-2</b>														
7/9/1993	--	NS	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	g,k
10/8/1993	--		--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	g,k
1/6/1994	--		--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	g,k
4/26/1994	--		--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	g,k
7/25/1994	--		--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	g,k
10/13/1994	--		--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	g,k
1/17/1995	--		--	--	--	<50	<0.5	<0.5	<0.5	<1	--	--	--	g
3/31/1995	--		--	--	--	<50	<0.50	<0.50	<0.50	<1.0	--	--	--	g
7/12/1995	--		--	--	--	<50	<0.50	<0.50	<0.50	<1.0	--	--	--	g
10/12/1995	--		--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	--	g

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						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
<b>QC-2 Cont.</b>														
2/27/1996	--	NS	--	--	--	<50	<0.5	<1	<1	<1	<10	--	--	g
5/9/1996	--		--	--	--	<50	<0.5	<1	<1	<1	<10	--	--	g
<b>RW-1</b>														
1/6/1994	--	11.84	5.59	0.00	6.25	24,000	3,700	210	830	2,000	4,562	--	--	c,d,k
1/6/1994	--		5.59	0.00	6.25	23,000	3,800	210	840	2,100	4,663	--	--	c,k
4/26/1994	--		5.21	0.00	6.63	22,000	3,300	110	700	1,700	6,909	--	--	c,d,k
4/26/1994	--		5.21	0.00	6.63	24,000	3,500	120	800	1,700	8,145	6.4	--	c,k
7/25/1994	--		5.52	0.00	6.32	31,000	4,800	290	1,100	1,700	<5.0	5.5	--	c,k
7/25/1994	--		5.52	0.00	6.32	28,000	4,400	240	960	1,400	20,608	--	--	c,d,k
10/13/1994	--		6.05	0.00	5.79	20,000	4,200	46	990	440	--	6.8	--	k
1/17/1995	--		4.02	0.00	7.82	9,600	1,500	65	300	2,700	--	7.7	--	
3/31/1995	--		3.81	0.00	8.03	16,000	1,500	780	370	2,000	--	7.8	--	
5/1/1995	--		4.21	0.00	7.63	--	--	--	--	--	--	--	--	
7/12/1995	--		4.93	0.00	6.91	22,000	3,700	150	950	2,800	--	7.2	--	
10/12/1995	--		5.46	0.00	6.38	30,000	1,600	1,500	1,700	8,500	4,300	7.0	--	
2/27/1996	--		4.00	0.00	7.84	1,600	30	23	38	420	50	--	--	d
2/27/1996	--		4.00	0.00	7.84	1,800	30	24	41	440	52	7.7	--	
5/8/1996	--		4.65	0.00	7.19	--	--	--	--	--	--	--	--	
5/9/1996	--		--	--	--	2,900	15	15	78	700	<50	--	--	d
5/9/1996	--		--	--	--	3,200	19	19	97	800	<50	7.1	--	
8/9/1996	--		4.96	0.00	6.88	--	--	--	--	--	--	--	--	
8/12/1996	--		--	--	--	6,900	210	270	390	1,920	<100	7.9	--	
8/12/1996	--		--	--	--	8,200	270	330	450	2,330	<100	--	--	d
11/7/1996	--		5.50	0.00	6.34	6,800	360	45	<10	<10	500	--	--	d
11/7/1996	--		5.50	0.00	6.34	6,100	320	45	<10	<10	430	6.9	--	
2/10/1997	--		3.85	0.00	7.99	170,000	<120	<250	<250	<250	150,000	6.7	--	
8/4/1997	--		4.72	0.00	7.12	<25000	580	450	630	3,700	230,000	6.9	--	
1/27/1998	--		3.80	0.00	8.04	52,000	380	330	490	2,970	38,000	6.1	--	
1/27/1998	--		3.80	0.00	8.04	51,000	380	300	480	2,980	36,000	--	--	d
9/2/1998	--		4.91	0.00	6.93	280,000	2,400	<50	1,400	3,170	270,000	--	--	d

**Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses**  
**Former BP Station #11104, 1716 Webster St., Alameda, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
<b>RW-1 Cont.</b>														
9/2/1998	--	11.84	4.91	0.00	6.93	260,000	2,500	56	1,400	3,070	250,000	6.6	--	
2/24/1999	--		4.16	0.00	7.68	120	<1.0	<1.0	1.5	13	130/140	--	--	h
8/30/1999	--		5.52	0.00	6.32	3,100	320	<25	120	28	60,000	--	--	
2/21/2000	--		3.68	0.00	8.16	340 i	8.6	1.8	11	66	2,500	--	--	i
8/8/2000	--		4.85	0.00	6.99	1,600	3.2	<0.5	0.82	1.2	19,000	--	--	
2/12/2001	--		4.26	0.00	7.58	1,500	1.33	<0.5	<0.5	5.69	2,420	--	--	
8/13/2001	--		5.34	0.00	6.50	290	<0.5	<0.5	<0.5	<1.5	314	--	--	
2/4/2002	--		4.08	0.00	7.76	570	9.15	0.874	19.2	83.8	97.4	--	--	
8/29/2002	--		5.12	0.00	6.72	<50	0.59	<0.50	<0.50	<0.50	19	--	--	
2/5/2003	--		5.21	0.00	6.63	<50	<0.50	<0.50	0.68	1.7	18	--	--	n
8/14/2003	--		5.07	0.00	6.77	<500	<5.0	<5.0	<5.0	5.4	490	--	--	p
02/12/2004	P		4.19	0.00	7.65	120	1.6	<1.0	3.0	4.1	51	--	5.9	
08/12/2004	P		5.11	0.00	6.73	170	6.9	<0.50	4.5	10	57	--	6.0	
02/10/2005	P		4.15	0.00	7.69	64	1.6	<0.50	0.94	<0.50	39	--	5.9	
08/11/2005	P		4.82	0.00	7.02	480	6.5	<0.50	7.0	14	40	--	6.5	
02/09/2006	P		3.95	0.00	7.89	<50	1.3	<0.50	0.83	0.80	7.8	--	6.9	
8/10/2006	--		4.90	0.00	6.94	780	43	<1.0	150	200	9.9	--	6.5	
2/8/2007	P		5.03	0.00	6.81	140	4.0	<1.0	<1.0	1.8	14	4.17	6.99	
8/8/2007	P		5.40	0.00	6.44	150	4.4	<0.50	<0.50	1.9	3.0	3.92	6.91	
2/22/2008	P		4.13	0.00	7.71	120	0.87	<0.50	<0.50	<0.50	13	3.68	6.78	
8/13/2008	P		5.50	0.00	6.34	1,900	60	2.2	4.1	670	9.0	0.45	8.72	
2/11/2009	P		5.35	0.00	6.49	220	14	<0.50	<0.50	<0.50	6.2	0.54	6.92	
8/27/2009	P		5.40	0.00	6.44	630	11	0.87	<0.50	180	9.9	0.58	7.23	
2/18/2010	NP		4.57	0.00	7.27	<50	<0.50	<0.50	<0.50	<0.50	6.1	1.08	6.73	
8/12/2010	NP		5.38	0.00	6.46	100	<0.50	<0.50	<0.50	<0.50	23	0.65	7.5	
2/17/2011	NP		4.88	0.00	6.96	<50	<0.50	<0.50	<0.50	<0.50	3.2	0.68	6.6	
7/5/2011	--		4.92	0.01	6.93	--	--	--	--	--	--	--	--	
2/28/2012	--		5.82	0.06	6.07	--	--	--	--	--	--	--	--	
8/15/2012	--		5.62	0.01	6.23	--	--	--	--	--	--	--	--	
<b>2/21/2013</b>	<b>P</b>		<b>5.03</b>	<b>0.00</b>	<b>6.81</b>	<b>110</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;1.0</b>	<b>7.9</b>	<b>1.39</b>	<b>7.21</b>	

Symbols & Abbreviations:

DO = Dissolved oxygen  
ft bgs = Feet below ground surface  
ft MSL = Feet above mean sea level  
GRO = Gasoline range organics, range C4-C12  
mg/L = Milligrams per liter  
MTBE = Methyl tert-butyl ether  
NP = Well not purged prior to sampling  
P = Well purged prior to sampling  
TPH-g = Total petroleum hydrocarbons as gasoline  
µg/L = Micrograms per liter  
--/-- = Not applicable/available/analyzed/measured  
< = Not detected at or above specified laboratory reporting limit  
PACE = Pace Analytical Services, Inc.  
ATI = Analytical Technologies, Inc.  
SPL = Southern Petroleum Laboratories  
SEQ/SEQM = Sequoia Analytical/Sequoia Morgan Hill (Laboratories)  
CEL = CalScience Environmental Laboratories, Inc.  
TOC = Top of casing measured in ft MSL  
DTW = Depth to water measured in ft bgs  
GWE = Groundwater elevation measured in ft MSL

Footnotes:

a = TOC elevations surveyed in reference to USGS benchmark 14.108 ft MSL at northwest corner of Webster Street and Pacific Avenue  
b = Groundwater elevations in ft MSL  
c = A copy of the documentation for this data is included in Appendix C of Alisto report 10-155-07-001  
d = Blind duplicate  
e = Sample also analyzed for cadmium, nickel, chromium, lead, and zinc. None were detected above the reported detection limit  
f = Well inaccessible  
g = Travel blank  
h = MTBE by EPA Methods 8020/8260  
i = Gasoline does not include MTBE  
j = Unable to sample  
k = A copy of the documentation for this data can be found in Baline Tech Services report 010813-N-2. No chromatograms could be located for MTBE data from wells MW-2, MW-3, MW-4, MW-5, and QC-2, sampled on July 9, 1993; all wells sampled on October 8, 1993; wells MW-1, MW-2, and MW-3, sampled on January 6, 1994; and all wells sampled on October 13, 1994  
l = Chromatogram Pattern: Gasoline C6-C10  
m = The concentration indicated for this analyte is an estimated value above the calibration range of the instrument  
n = The closing calibration was outside acceptance limits by 1% high. This should be considered inevaluating the result. The avg. % difference for all analytes met the 15% requirement and the QC suggests that calibration linearity is not a factor  
o = The original scope of work only called for annual gauging of well. This issue has been addressed, and in the future, gauging of this well will be semi-annual 1st and 3rd quarter.  
p = Groundwater samples analyzed by EPA Method 8260B for TPH-g, BTEX, and MTBE  
q = Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g was changed to GRO. The resulting data may be impacted by the potential inclusion of non-TPH-g analytes within the requested fuel range resulting in a higher concentration being reported  
r = Possible obstruction in well  
s = Car parked over well  
t = Sample > 4x spike concentration

Notes:

During the second quarter of 2002, URS Corporation assumed groundwater monitoring activities for BP

GRO analysis was completed by EPA method 8260B (C4-C12) for samples collected from the time period April 2006 through February 4, 2008. The analysis for GRO was changed to EPA method 8015B (C6-C12) for samples collected from the time period February 5, 2008 through the present

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the



accuracy of this information

**Table 3. Summary of Fuel Additives Analytical Data**  
**Former BP Station #11104, 1716 Webster St., Alameda, CA**

Well ID and Date Monitored	Concentrations in µg/L								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
<b>MW-1</b>									
7/9/1993	--	--	12,952	--	--	--	--	--	
7/9/1993	--	--	11,919	--	--	--	--	--	
4/26/1994	--	--	16,663	--	--	--	--	--	
7/25/1994	--	--	26,428	--	--	--	--	--	
10/12/1995	--	--	14,000	--	--	--	--	--	
10/12/1995	--	--	15,000	--	--	--	--	--	
2/27/1996	--	--	5,500	--	--	--	--	--	
5/9/1996	--	--	2,700	--	--	--	--	--	
8/12/1996	--	--	1,800	--	--	--	--	--	
11/7/1996	--	--	2,100	--	--	--	--	--	
2/10/1997	--	--	160,000	--	--	--	--	--	
2/10/1997	--	--	160,000	--	--	--	--	--	
8/4/1997	--	--	260,000	--	--	--	--	--	
8/4/1997	--	--	250,000	--	--	--	--	--	
1/27/1998	--	--	490,000	--	--	--	--	--	
9/2/1998	--	--	230,000	--	--	--	--	--	
2/24/1999	--	--	90,000/200,000	--	--	--	--	--	
8/30/1999	--	--	48,000	--	--	--	--	--	
2/21/2000	--	--	31,000	--	--	--	--	--	
8/8/2000	--	--	60,000	--	--	--	--	--	
2/12/2001	--	--	18,000	--	--	--	--	--	
8/13/2001	--	--	5,590	--	--	--	--	--	
2/4/2002	--	--	2,470	--	--	--	--	--	
8/29/2002	--	--	3,100	--	--	--	--	--	
2/5/2003	--	--	590 m,n	--	--	--	--	--	
8/14/2003	<10,000	<2,000	4,500	<50	<50	89	<50	<50	a
02/12/2004	<2,000	960	1,200	<10	<10	33	<10	<10	
08/12/2004	<1,000	730	260	<5.0	<5.0	9.3	<5.0	<5.0	
02/10/2005	<1,000	2,300	730	<5.0	<5.0	26	<5.0	<5.0	b
08/11/2005	<1,000	460	190	<5.0	<5.0	10	<5.0	<5.0	
02/09/2006	<3,000	400	380	<5.0	<5.0	18	<5.0	<5.0	b, c
8/10/2006	<3,000	<200	47	<5.0	<5.0	<5.0	<5.0	<5.0	

**Table 3. Summary of Fuel Additives Analytical Data**  
**Former BP Station #11104, 1716 Webster St., Alameda, CA**

Well ID and Date Monitored	Concentrations in µg/L								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
<b>MW-1 Cont.</b>									
2/8/2007	<3,000	210	130	<5.0	<5.0	7.8	<5.0	<5.0	
8/8/2007	<300	190	140	<0.50	<0.50	8.7	<0.50	<0.50	d (MTBE)
2/22/2008	<300	51	59	<0.50	<0.50	3.1	<0.50	<0.50	
8/13/2008	<3,000	340	370	<5.0	<5.0	22	<5.0	<5.0	
2/11/2009	<1,200	480	68	<2.0	<2.0	3.4	<2.0	<2.0	
8/27/2009	<1,200	180	20	<2.0	<2.0	<2.0	<2.0	<2.0	
2/18/2010	<1,200	160	48	<2.0	<2.0	2.8	<2.0	<2.0	
8/12/2010	<1,200	140	76	<2.0	<2.0	6.4	<2.0	<2.0	
2/17/2011	<1,200	120	40	<2.0	<2.0	3.1	<2.0	<2.0	
7/5/2011	<1,500	59	22	<2.5	<2.5	<2.5	<2.5	<2.5	
2/28/2012	<6,000	750	610	<10	<10	64	<10	<10	
8/15/2012	<150	180	16	<0.50	<0.50	1.3	<0.50	<0.50	
<b>2/21/2013</b>	<b>&lt;150</b>	<b>79</b>	<b>14</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>1.5</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	
<b>MW-2</b>									
4/26/1994	--	--	<5.0	--	--	--	--	--	
7/25/1994	--	--	11.59	--	--	--	--	--	
10/12/1995	--	--	<5.0	--	--	--	--	--	
2/27/1996	--	--	<10	--	--	--	--	--	
8/9/1996	--	--	<10	--	--	--	--	--	
8/4/1997	--	--	<10	--	--	--	--	--	
9/2/1998	--	--	110	--	--	--	--	--	
2/24/1999	--	--	8.2	--	--	--	--	--	
2/21/2000	--	--	0.72	--	--	--	--	--	
2/12/2001	--	--	<0.5	--	--	--	--	--	
2/4/2002	--	--	<0.5	--	--	--	--	--	
2/5/2003	--	--	<2.5	--	--	--	--	--	
02/12/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
02/10/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	b
02/09/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	b, c
2/8/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
2/22/2008	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

**Table 3. Summary of Fuel Additives Analytical Data**  
**Former BP Station #11104, 1716 Webster St., Alameda, CA**

Well ID and Date Monitored	Concentrations in µg/L								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
<b>MW-2 Cont.</b>									
2/11/2009	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
2/18/2010	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
2/17/2011	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
2/28/2012	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
<b>2/21/2013</b>	<b>&lt;150</b>	<b>&lt;10</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	
<b>MW-3</b>									
4/26/1994	--	--	<5.0	--	--	--	--	--	
7/25/1994	--	--	<5.0	--	--	--	--	--	
10/12/1995	--	--	<5.0	--	--	--	--	--	
2/27/1996	--	--	<10	--	--	--	--	--	
8/9/1996	--	--	<10	--	--	--	--	--	
8/4/1997	--	--	<10	--	--	--	--	--	
9/2/1998	--	--	<10	--	--	--	--	--	
2/24/1999	--	--	<1.0	--	--	--	--	--	
2/21/2000	--	--	<0.5	--	--	--	--	--	
02/12/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
02/10/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	b
02/09/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
2/8/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
2/22/2008	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
2/11/2009	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
2/18/2010	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
2/17/2011	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
2/28/2012	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
<b>2/21/2013</b>	<b>&lt;150</b>	<b>&lt;10</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	
<b>MW-4</b>									
1/6/1994	--	--	<5.0	--	--	--	--	--	
4/26/1994	--	--	<5.0	--	--	--	--	--	
7/25/1994	--	--	<5.0	--	--	--	--	--	
10/12/1995	--	--	<5.0	--	--	--	--	--	

**Table 3. Summary of Fuel Additives Analytical Data**  
**Former BP Station #11104, 1716 Webster St., Alameda, CA**

Well ID and Date Monitored	Concentrations in µg/L								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
<b>MW-4 Cont.</b>									
2/27/1996	--	--	<10	--	--	--	--	--	
8/9/1996	--	--	<10	--	--	--	--	--	
8/4/1997	--	--	<10	--	--	--	--	--	
9/2/1998	--	--	<10	--	--	--	--	--	
2/24/1999	--	--	<1.0	--	--	--	--	--	
2/21/2000	--	--	0.66	--	--	--	--	--	
2/12/2001	--	--	0.982	--	--	--	--	--	
2/4/2002	--	--	<0.5	--	--	--	--	--	
2/5/2003	--	--	<2.5	--	--	--	--	--	
02/12/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
02/10/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	b, c
02/09/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
2/8/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
2/22/2008	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
2/11/2009	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
2/18/2010	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
2/17/2011	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
2/28/2012	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
<b>2/21/2013</b>	<b>&lt;150</b>	<b>&lt;10</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	
<b>MW-5</b>									
1/6/1994	--	--	<5.0	--	--	--	--	--	
4/26/1994	--	--	<5.0	--	--	--	--	--	
7/25/1994	--	--	<5.0	--	--	--	--	--	
10/12/1995	--	--	<5.0	--	--	--	--	--	
8/9/1996	--	--	<10	--	--	--	--	--	
8/4/1997	--	--	<10	--	--	--	--	--	
9/2/1998	--	--	<10	--	--	--	--	--	
2/24/1999	--	--	<1.0	--	--	--	--	--	
2/21/2000	--	--	<0.5	--	--	--	--	--	
2/12/2001	--	--	<0.5	--	--	--	--	--	
2/4/2002	--	--	<0.5	--	--	--	--	--	

**Table 3. Summary of Fuel Additives Analytical Data**  
**Former BP Station #11104, 1716 Webster St., Alameda, CA**

Well ID and Date Monitored	Concentrations in µg/L								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
<b>MW-5 Cont.</b>									
2/5/2003	--	--	<2.5	--	--	--	--	--	
02/10/2005	<100	<20	0.90	<0.50	<0.50	<0.50	<0.50	<0.50	b, c
2/8/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
2/22/2008	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
2/11/2009	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
2/18/2010	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
<b>QC-2</b>									
1/6/1994	--	--	<5.0	--	--	--	--	--	
4/26/1994	--	--	<5.0	--	--	--	--	--	
7/25/1994	--	--	<5.0	--	--	--	--	--	
10/12/1995	--	--	<5.0	--	--	--	--	--	
2/27/1996	--	--	<10	--	--	--	--	--	
5/9/1996	--	--	<10	--	--	--	--	--	
<b>RW-1</b>									
1/6/1994	--	--	4,562	--	--	--	--	--	
1/6/1994	--	--	4,663	--	--	--	--	--	
4/26/1994	--	--	6,909	--	--	--	--	--	
4/26/1994	--	--	8,145	--	--	--	--	--	
7/25/1994	--	--	<5.0	--	--	--	--	--	
7/25/1994	--	--	20,608	--	--	--	--	--	
10/12/1995	--	--	4,300	--	--	--	--	--	
2/27/1996	--	--	50	--	--	--	--	--	
2/27/1996	--	--	52	--	--	--	--	--	
5/9/1996	--	--	<50	--	--	--	--	--	
5/9/1996	--	--	<50	--	--	--	--	--	
8/12/1996	--	--	<100	--	--	--	--	--	
8/12/1996	--	--	<100	--	--	--	--	--	
11/7/1996	--	--	500	--	--	--	--	--	
11/7/1996	--	--	430	--	--	--	--	--	
2/10/1997	--	--	150,000	--	--	--	--	--	

**Table 3. Summary of Fuel Additives Analytical Data**  
**Former BP Station #11104, 1716 Webster St., Alameda, CA**

Well ID and Date Monitored	Concentrations in µg/L								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
<b>RW-1 Cont.</b>									
8/4/1997	--	--	230,000	--	--	--	--	--	
1/27/1998	--	--	38,000	--	--	--	--	--	
1/27/1998	--	--	36,000	--	--	--	--	--	
9/2/1998	--	--	270,000	--	--	--	--	--	
9/2/1998	--	--	250,000	--	--	--	--	--	
2/24/1999	--	--	130/140	--	--	--	--	--	
8/30/1999	--	--	60,000	--	--	--	--	--	
2/21/2000	--	--	2,500	--	--	--	--	--	
8/8/2000	--	--	19,000	--	--	--	--	--	
2/12/2001	--	--	2,420	--	--	--	--	--	
8/13/2001	--	--	314	--	--	--	--	--	
2/4/2002	--	--	97.4	--	--	--	--	--	
8/29/2002	--	--	19	--	--	--	--	--	
2/5/2003	--	--	18	--	--	--	--	--	
8/14/2003	<1,000	<200	490	<5.0	<5.0	11	<5.0	<5.0	a
02/12/2004	<200	83	51	<1.0	<1.0	1.2	<1.0	<1.0	
08/12/2004	<100	500	57	<0.50	<0.50	1.0	<0.50	<0.50	
02/10/2005	<100	69	39	<0.50	<0.50	0.68	<0.50	<0.50	b, c
08/11/2005	<100	390	40	<0.50	<0.50	1.3	<0.50	<0.50	c
02/09/2006	<300	31	7.8	<0.50	<0.50	<0.50	<0.50	<0.50	
8/10/2006	<600	190	9.9	<1.0	<1.0	<1.0	<1.0	<1.0	
2/8/2007	<600	220	14	<1.0	<1.0	<1.0	<1.0	<1.0	
8/8/2007	<300	170	3.0	<0.50	<0.50	<0.50	<0.50	<0.50	
2/22/2008	<300	56	13	<0.50	<0.50	<0.50	<0.50	<0.50	
8/13/2008	<300	38	9.0	<0.50	<0.50	<0.50	<0.50	<0.50	
2/11/2009	<300	69	6.2	<0.50	<0.50	<0.50	<0.50	<0.50	
8/27/2009	<300	100	9.9	<0.50	<0.50	<0.50	<0.50	<0.50	
2/18/2010	<300	<10	6.1	<0.50	<0.50	<0.50	<0.50	<0.50	
8/12/2010	<300	250	23	<0.50	<0.50	0.81	<0.50	<0.50	
2/17/2011	<300	<10	3.2	<0.50	<0.50	<0.50	<0.50	<0.50	
<b>2/21/2013</b>	<b>&lt;150</b>	<b>28</b>	<b>7.9</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	

Symbols & Abbreviations:

TBA = tert-Butyl alcohol

MTBE = Methyl tert-butyl ether

DIPE = Diisopropyl ether

ETBE = Ethyl tert-butyl ether

TAME = tert-Amyl Methyl ether

1,2-DCA = 1,2-Dibromoethane

EDB = 1,2-Dichloroethane

µg/L = Micrograms per liter

< = Not detected at or above specified laboratory reporting limit

-- = Not sampled/analyzed

Footnotes:

a = The continuing calibration was outside of client contractual acceptance limits by 3.4% low. However, it was within the method acceptance limit. The data should still be useful for its intended purpose

b = Possible high bias for 1,2-DCA due to CCV falling outside acceptance criteria

c = Callibration verification for ethanol was within method limits but outside contract limits

d = Sample > 4x spike concentration

Notes:

All fuel oxygenate compounds analyzed using EPA Method 8260B

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information



**Table 4. Historical Groundwater Gradient - Direction and Magnitude**  
**Former BP Station #11104, 1716 Webster St., Alameda, CA**

<b>Date Measured</b>	<b>Approximate Gradient Direction</b>	<b>Approximate Gradient Magnitude (ft/ft)</b>
2/9/2006	North-Northwest	0.007
8/10/2006	North-Northwest	0.007
2/8/2007	North-Northwest	0.007
8/8/2007	North-Northwest	0.004
9/11/2007	East	0.006
2/22/2008	North-Northwest	0.003
8/13/2008	North-Northwest	0.007
2/11/2009	Northeast	0.004
8/27/2009	Northeast	0.004
2/18/2010	North-Northwest	0.008
8/12/2010	North-Northeast	0.005
2/17/2011	North-Northwest	0.008
7/5/2011	North-Northeast	0.003
2/28/2012	North-Northeast	0.005
8/15/2012	North-Northeast	0.003
<b>2/21/2013</b>	<b>North-Northeast</b>	<b>0.005</b>

Notes:

The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information

APPENDIX A

Detailed Site History

### **Previous Environmental Activities at Site\***

In 1983, three single wall fiberglass gasoline underground storage tanks (UST; 12,000 gallon, 10,000 gallon, and 6,000 gallon), one waste oil UST, and single wall fiberglass product piping were installed at the Site. The waste oil UST was replaced in 1987 by Mobil Oil Corporation (Mobil) with a 1,000 gallon capacity double wall fiberglass UST. The station was later sold to British Petroleum (BP) who operated the station thereafter.

In September 1990, Kaprealian Engineering, Inc. (KEI) collected soil samples from beneath the dispenser pump islands and associated product piping during facility upgrade. Based on analytical results indicating the presence of petroleum hydrocarbons in soil samples, hydrocarbon impacted soil was excavated from the vicinity of the dispenser islands to a depth of approximately 9 feet below ground surface (bgs). Further excavation was not possible due to the presence of groundwater in the excavation. During excavation activities, an estimated 1,000 gallons of petroleum hydrocarbon-impacted groundwater was removed. The excavated area was then backfilling with clean soil. Soil and groundwater samples were analyzed for total petroleum hydrocarbon as gasoline (TPHg), benzene, toluene, ethylbenzene, and total xylenes (BTEX), and total lead. TPHg was detected in soil and groundwater samples at a maximum concentration of 7,500 milligrams per kilogram (mg/kg) and 38,000 micrograms per liter ( $\mu\text{g/L}$ ), respectively. Benzene was also detected in groundwater samples at a maximum concentration of 4,900  $\mu\text{g/L}$ .

In July 1992, Hydro-Environmental Technologies, Inc. (HETI) conducted an environmental investigation at the Site, which included the installation of three groundwater monitoring wells (MW-1 through MW-3). Soil samples were analyzed for TPHg and BTEX. Soil samples collected from boring MW-3, located near the waste oil tank, were also analyzed for TPH as diesel (TPHd), halogenated volatile organics (HVO), total oil and grease (TOG) and chromium, total lead, nickel, and zinc. Low levels of ethylbenzene, toluene, and total xylenes and one concentration of TPHg at 3,200 mg/kg were detected in boring for well MW-1 at 6 feet bgs. Metal concentrations detected in soil samples collected from boring MW-3 were determined to be consistent with native background levels. No additional concentrations were detected in soil samples. Groundwater samples were analyzed for TPHg and BTEX. Groundwater samples from well MW-3 were also analyzed for metals. Concentrations of TPHg and BTEX were detected in groundwater samples collected from MW-1. Benzene was detected in groundwater samples collected from MW-3. No additional analytes were detected in groundwater samples collected.

In March 1993, HETI installed two offsite groundwater monitoring wells (MW-4 and MW-5) to further delineate soil and groundwater contamination. Soil and groundwater samples were analyzed for TPHg and BTEX. No analytes were detected in soil or groundwater samples. Based on the results from this and previous investigations performed on and offsite, HETI concluded that the extent of the hydrocarbon plume was limited to near the UST tank complex and did not extend beyond the locations of monitoring wells MW-2 through MW-5, and Chevron well B-6.

In August 1993, HETI conducted a groundwater extraction (GWE) and soil vapor extraction (SVE) pilot test. Field activities included installation of a groundwater and soil vapor recovery well (RW-1), located adjacent to the UST pit, and two soil vapor monitoring points. Soil samples were not collected for analytical purpose during drilling activities. Results of the pilot test indicated that SVE combined with GWE would be an effective remediation alternative for the Site.

In 1994, BP sold the station to ConocoPhillips.

In November 1994, Fugro West (Fugro) advanced four borings using a cone penetrometer (CPT) and collected grab groundwater samples at 10 to 13 ft bgs. This investigation was performed to investigate the potential for the trench backfill located in Webster Street and Buena Vista Avenue to act as a preferential pathway for contaminants migrating along the sanitary sewer alignment. Groundwater samples were analyzed for TPHg and BTEX. Low concentrations of benzene and toluene were detected in two groundwater samples collected. No additional analytes were detected in any additional groundwater samples. Based on these results, the sewer line trenches did not contain concentrations of fuel constituents exceeding applicable action levels; thus, it was not anticipated to act as a preferential pathway for hydrocarbon impacted groundwater.

In June 1999, TRC Alton Geoscience conducted a dual-phase extraction pilot test at the Site using existing well RW-1. In 2009, ConocoPhillips sold the station to United Brothers Enterprise, Inc. (UBE), who subsequently replaced the 6,000 gallon gasoline tank with a 6,000 gallon steel diesel tank in the same year.

In October 2010, Alisto Engineering Group conducted a potential receptor survey. No domestic or municipal supply wells were identified within a 1/2 mile radius of the Site.

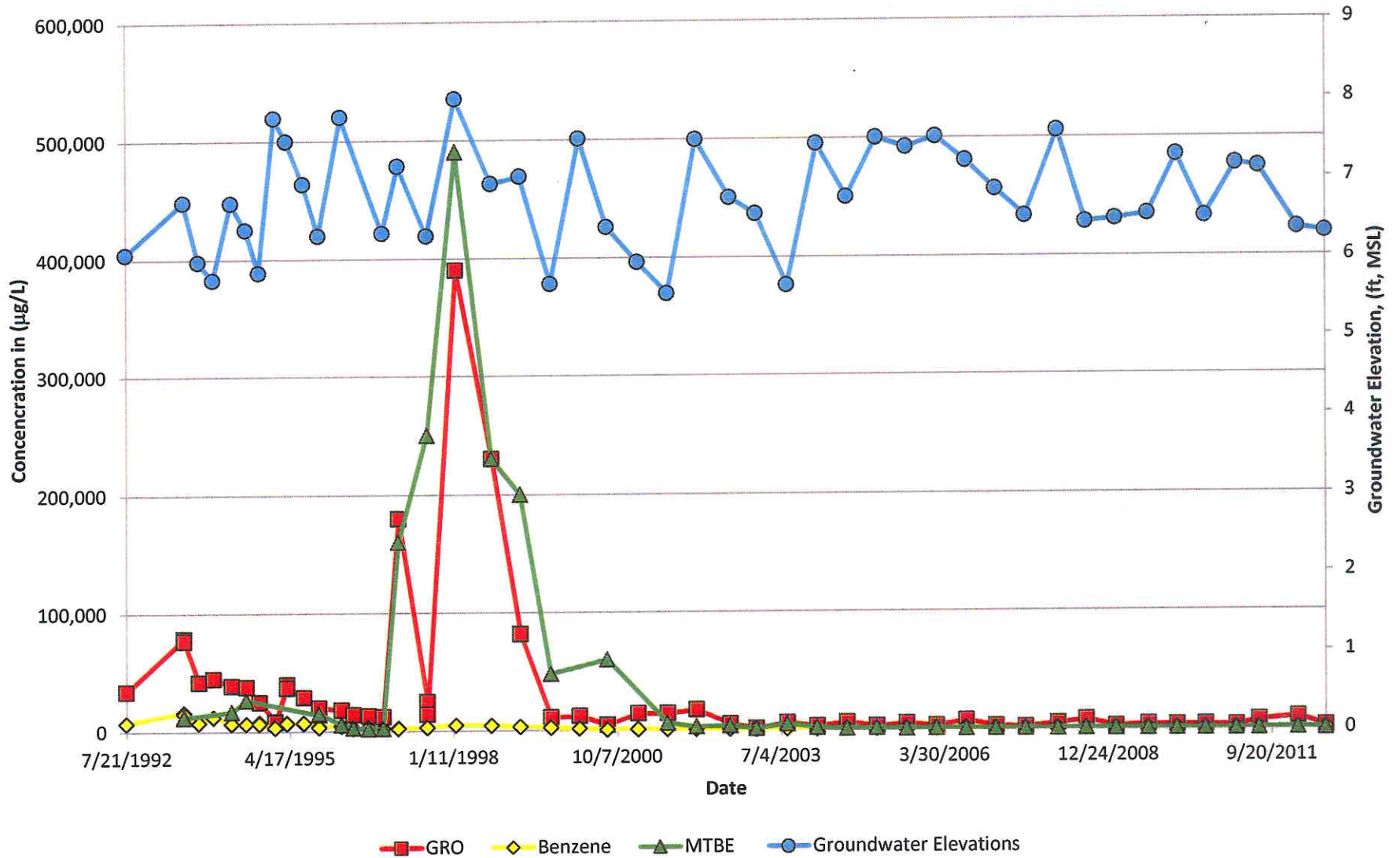
During the third quarter 2011 routine monitoring and sampling event, 0.06 feet of light non-aqueous phase liquid (LNAPL) was measured in well RW-1. Since no LNAPL had previously been reported in this well historically, the source of this LNAPL was not clear. In August 2011, Broadbent & Associates, Inc. collected fuel fingerprint samples of LNAPL from well RW-1, and from the gasoline dispensers for the low, mid, and high range octane unleaded gasoline in order to determine the source of the LNAPL. Samples were not collected from the diesel dispenser. The four samples were submitted to Torkelson Geochemistry, Inc. to be analyzed by capillary gas chromatography analysis. Based on the analytical results of the hydrocarbon fingerprint analysis, the chromatogram of the free product in RW-1 had some of the characteristics of a middle distillate either diesel fuel or fuel oil. Although the RW-1 chromatogram is not typical of diesel or fuel oil chromatograms, it does not rule out the possibility that RW-1 is some unique formulation of diesel fuel or fuel oil. Based on these results, the free product in RW-1 cannot be identified and does not appear to be a fuel product from former operations at the Site.

\*The description of these previous investigations was prepared based on the Geotracker website; however no hard copies of the reports with references were found due to their age.

APPENDIX B

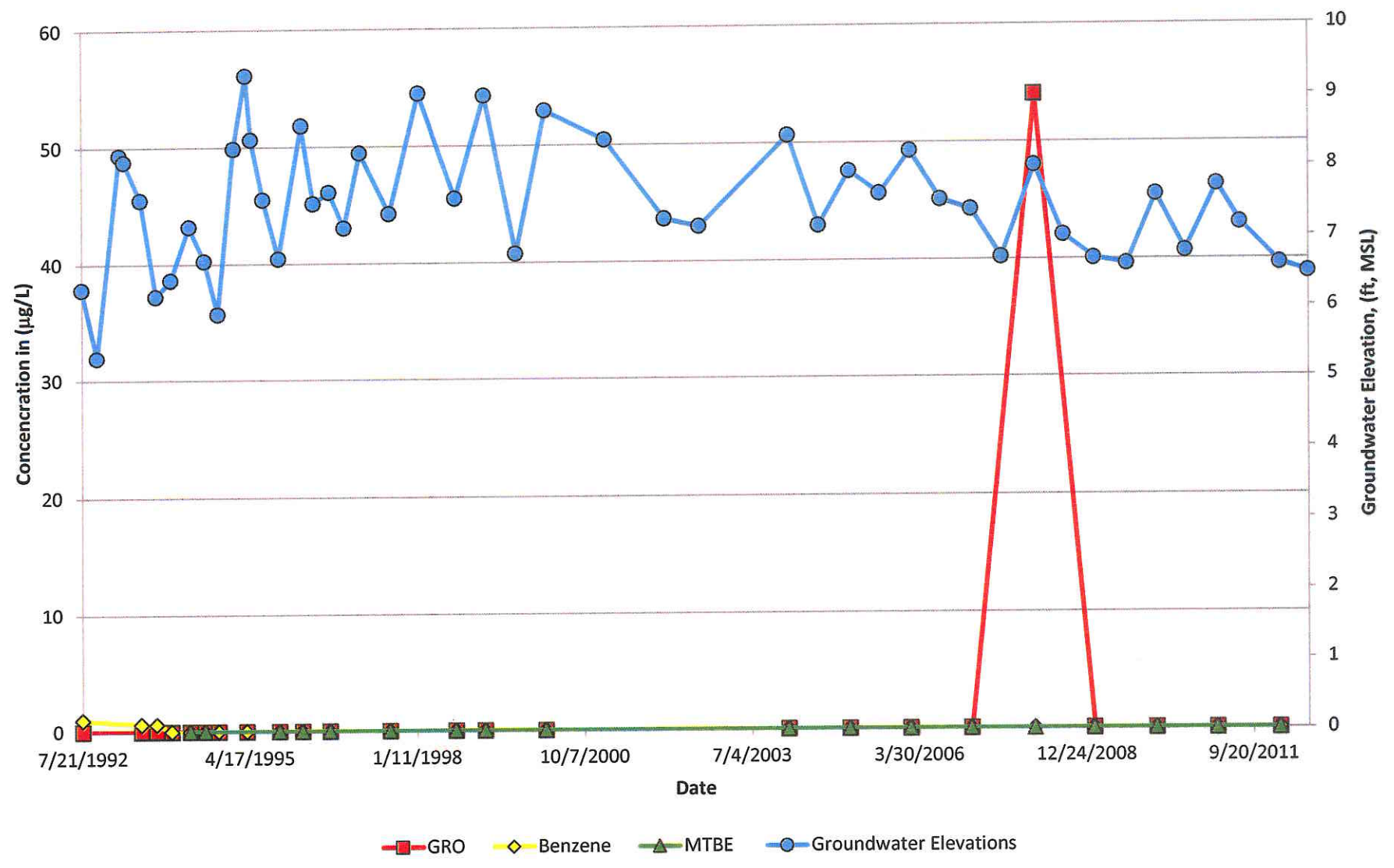
GRO, Benzene, and MTBE Concentration Trend Graphs

**Figure 1**  
**MW-1 Concentrations and Groundwater Elevation vs Time**  
**Atlantic Richfield Company Station #11104**  
**1716 Webster Street**





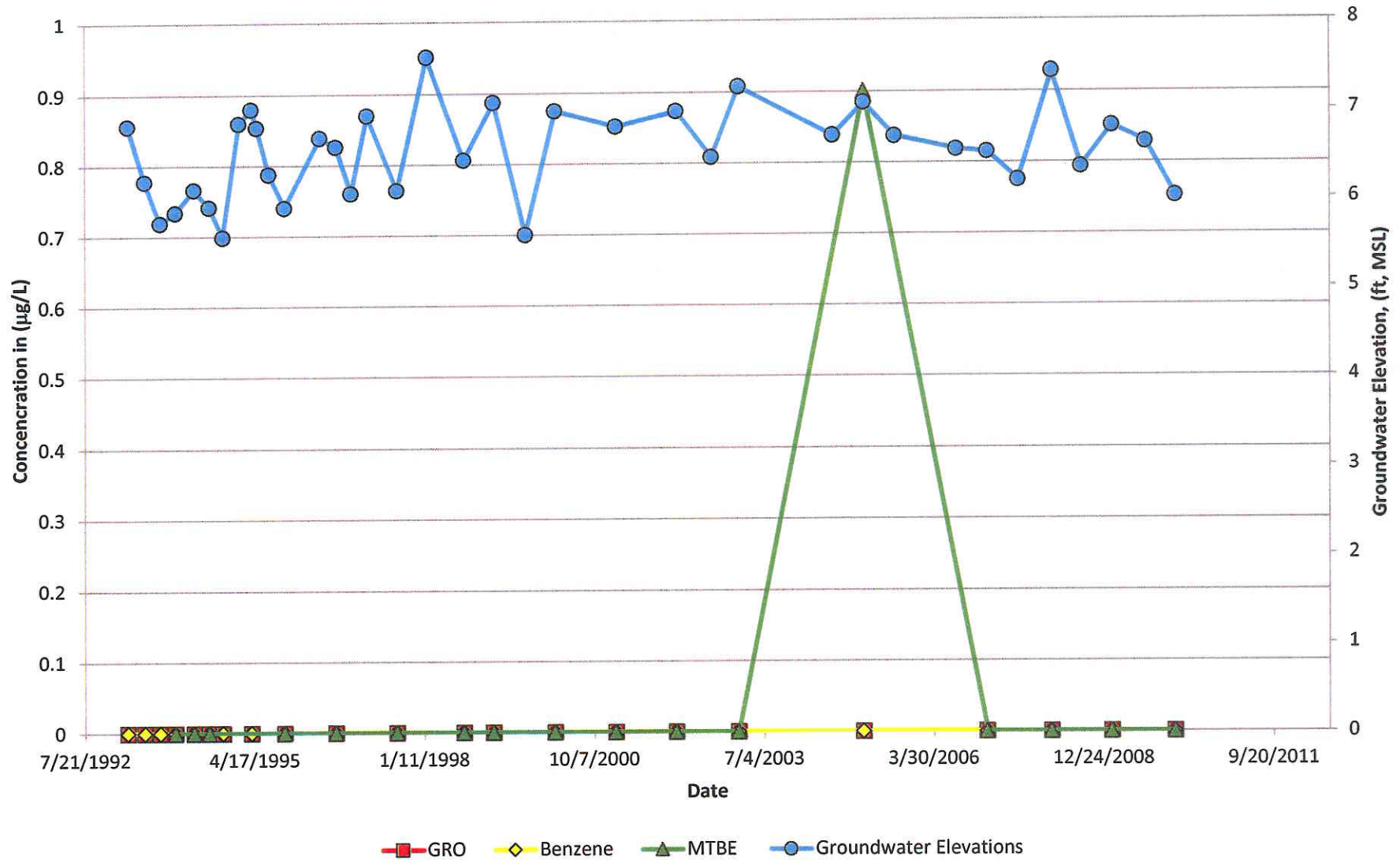
**Figure 3**  
**MW-3 Concentrations and Groundwater Elevation vs Time**  
**Atlantic Richfield Company Station #11104**  
**1716 Webster Street**



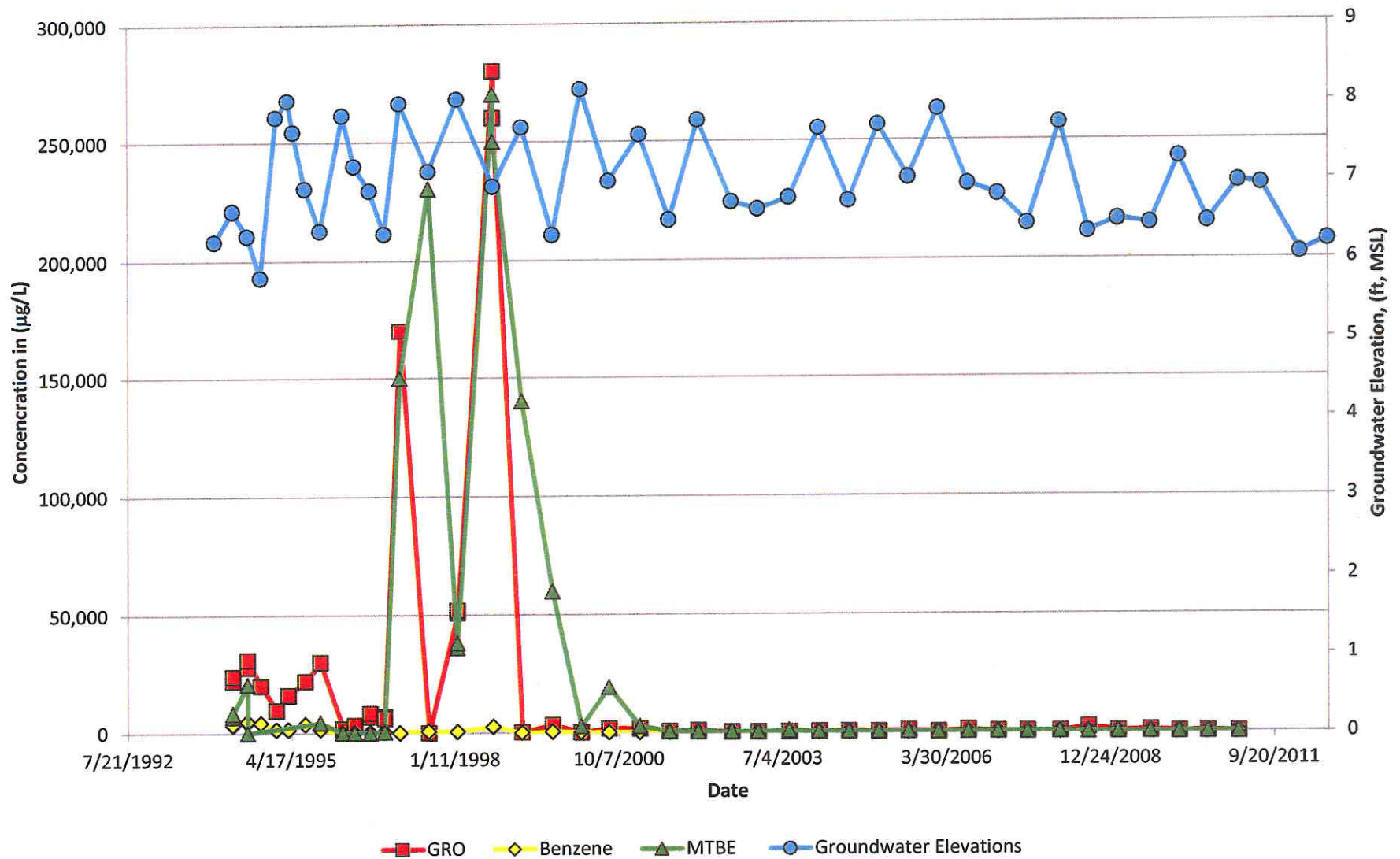




**Figure 5**  
**MW-5 Concentrations and Groundwater Elevation vs Time**  
**Atlantic Richfield Company Station #11104**  
**1716 Webster Street**



**Figure 6**  
**RW-1 Concentrations and Groundwater Elevation vs Time**  
**Atlantic Richfield Company Station #11104**  
**1716 Webster Street**



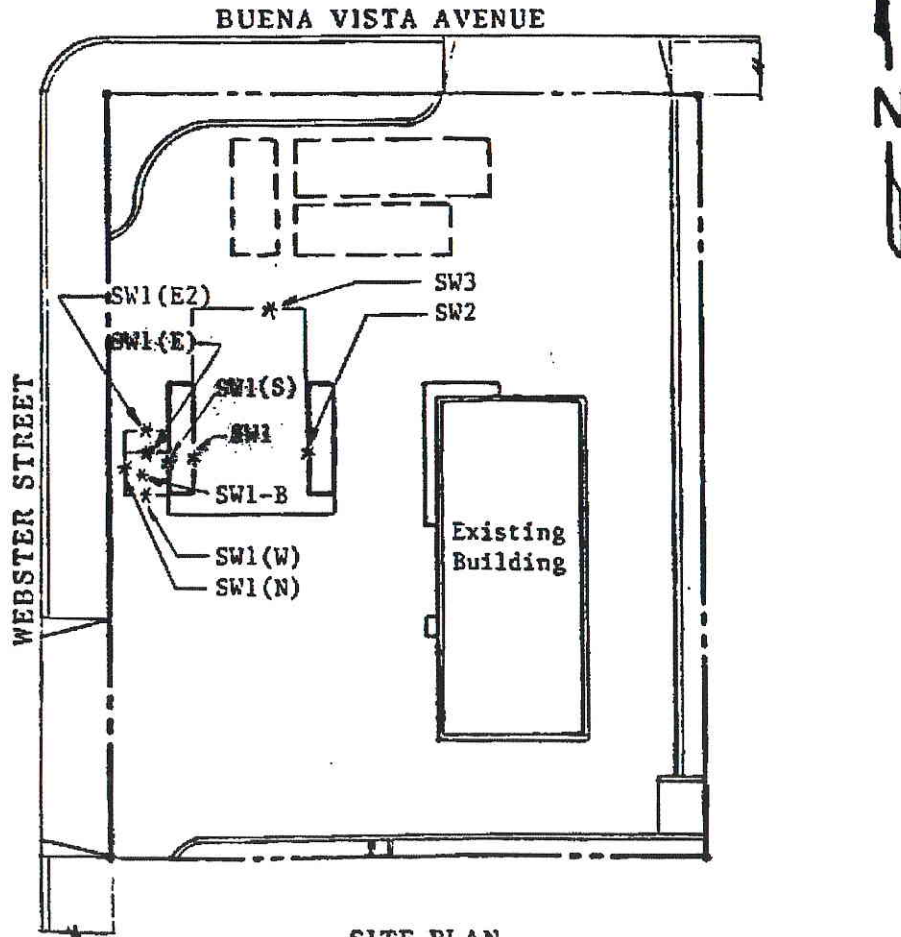
APPENDIX C

Historic Site Data



**KAPREALIAN ENGINEERING, INC.**  
*Consulting Engineers*

P.O. BOX 996 • BENICIA, CA 94510  
(707) 746-6915 • (707) 746-6916 • FAX: (707) 746-5581



**SITE PLAN**  
Figure 2

**LEGEND**

\* Sample Point Location



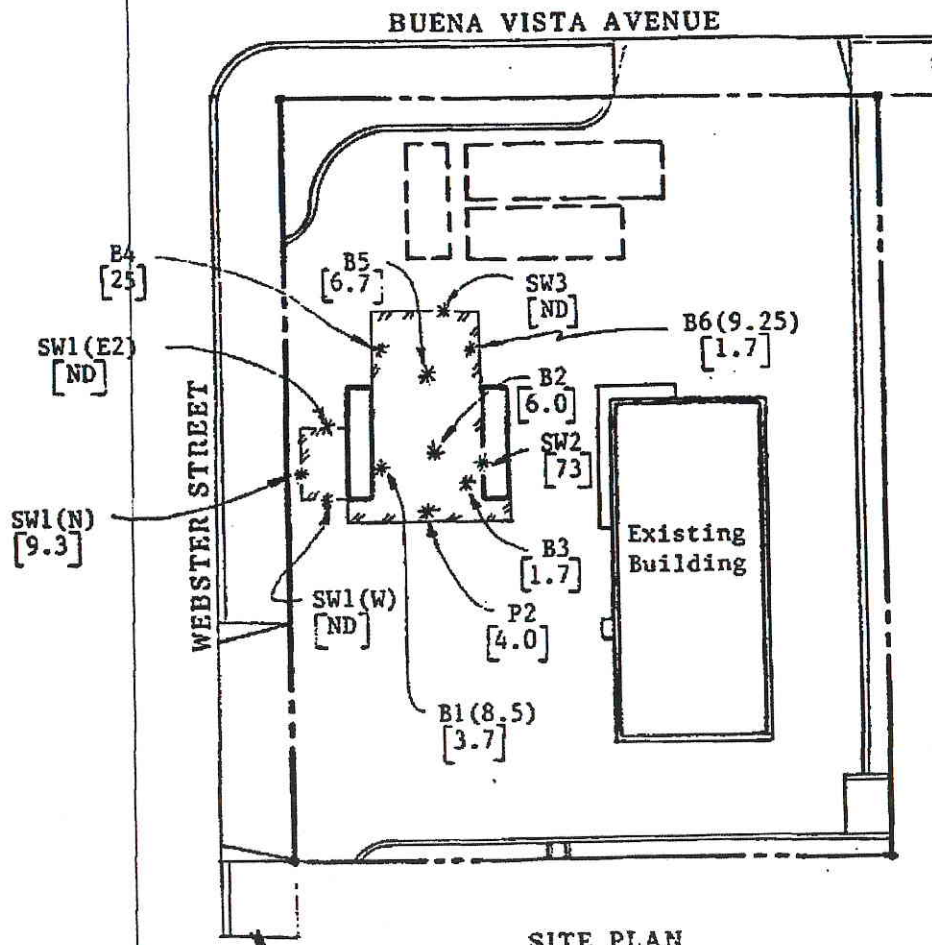
BP Service Station  
1716 Webster Street  
Alameda, CA





**KAPREALIAN ENGINEERING, INC.**  
Consulting Engineers

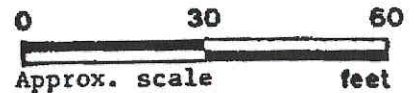
P.O. BOX 996 • BENICIA, CA 94510  
(707) 746-8915 • (707) 746-6916 • FAX: (707) 746-5581



SITE PLAN  
Figure 3

LEGEND

- \* Soil sample location
- [ ] TPH as gasoline in PPM
- ▨ Area excavated to a depth of 9 feet.



BP Service Station  
1716 Webster Street  
Alameda, CA

KEI-J90-0910.R1  
 October 16, 1990

TABLE 1

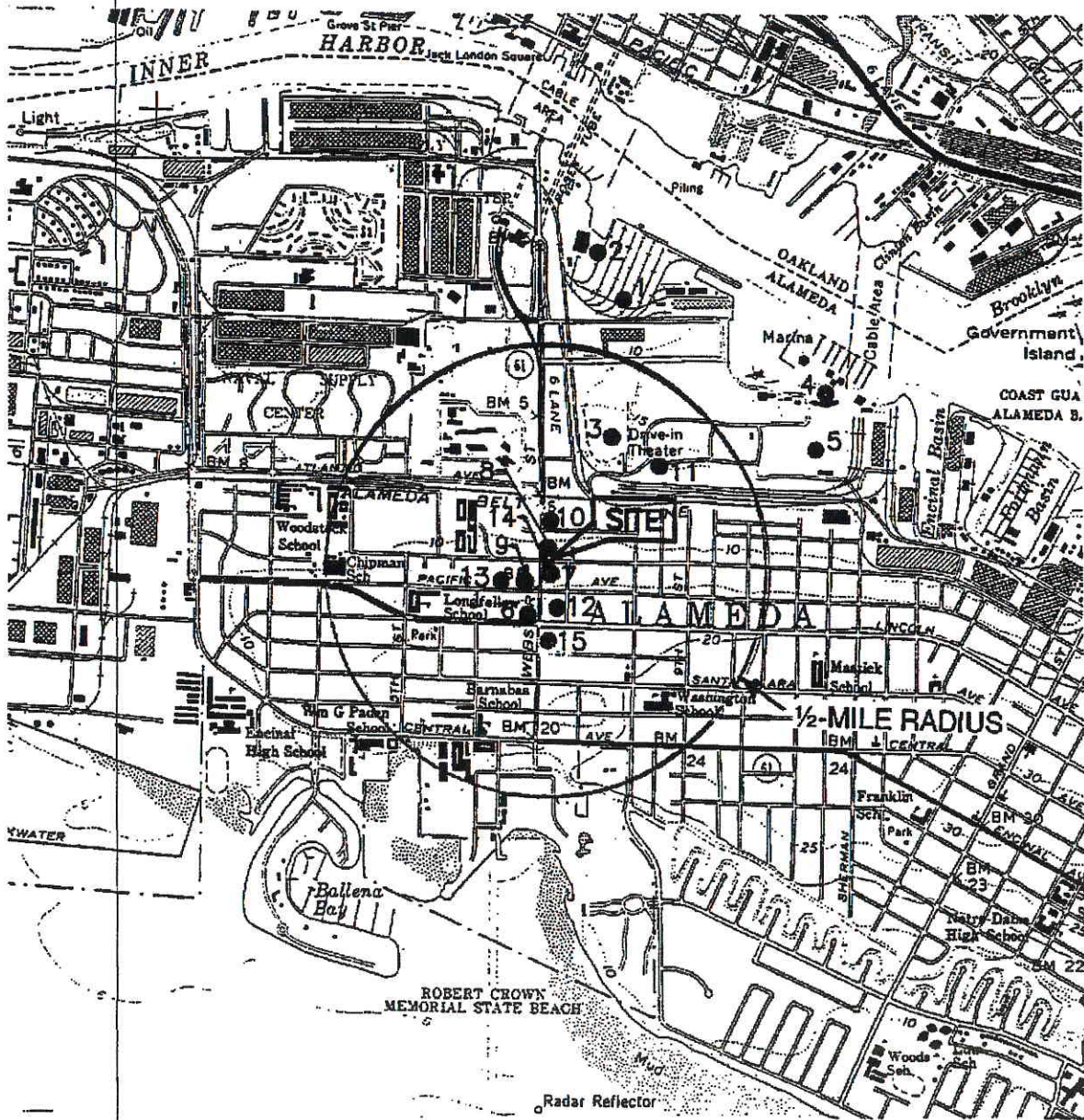
SUMMARY OF LABORATORY ANALYSES  
 SOIL

(Collected on September 19 & 26, and  
 October 2, 4 & 8, 1990)

<u>Sample</u>	<u>Depth (feet)</u>	<u>TPH as Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Xylenes</u>	<u>Ethyl- benzene</u>	<u>Total Lead</u>
P1	3	3,500	3.9	120	340	55	7.5
P2	3	4.0	ND	0.040	0.19	0.029	4.0
D1	3	3,000	0.60	32	75	35	4.5
D2	3	1,800	0.27	3.5	110	4.6	30
D3	3	3,000	0.63	17	170	20	21
B1	7	110	1.9	3.7	10	2.3	ND
B1(8.5)	8.5	3.7	0.38	0.048	0.19	0.10	ND
B2	8.5	6	0.22	0.027	0.73	0.15	ND
B3	8.5	1.7	0.24	0.21	0.17	0.030	ND
B4	8.5	25	1.6	1.8	2.8	0.57	ND
B5	8.5	6.7	0.25	0.21	0.45	0.14	ND
B6	8.5	280	0.63	8.0	26	5.1	ND
B6(9.25)	9.25	1.7	0.41	0.23	0.11	0.065	9
SW1	5	7,500	9.9	82	560	98	45
SW1(S)	5	2,100	4.3	24	190	36	--
SW1(N)	5	9.3	ND	0.073	0.32	0.056	--
SW1(E)	5	3,400	0.18	17	130	19	--
SW1(E2)	5	ND	ND	ND	ND	ND	--
SW1(W)	5	ND	ND	0.010	ND	ND	--
SW1-B	8.5	ND	0.006	0.022	0.018	0.016	--
SW2	4	73	ND	0.016	0.46	0.030	ND
SW3	5	ND	ND	ND	ND	ND	ND
Detection Limits		1.0	0.0050	0.0050	0.0050	0.0050	0.25

ND = Not Detectable





● WELL LOCATION

SOURCE:  
USGS MAP, OAKLAND WEST QUADRANGLE,  
CALIFORNIA, 7.5 MINUTE SERIES, 1959.  
PHOTOREVISED 1980.



0 1000' 2000'



### WELL LOCATION MAP

BP OIL SERVICE STATION NO. 11104  
1716 WEBSTER STREET  
ALAMEDA, CALIFORNIA  
PROJECT NO. 10-155



ALISTO ENGINEERING GROUP  
WALNUT CREEK, CALIFORNIA



**WELL SURVEY**  
**BP Oil Co. Service Station No. 11104**  
**1716 Webster Street**  
**Alameda, California**

Alisto Project No. 10-155

COUNTY WELL NO.	ALISTO MAP REFERENCE NO.	OTHER WELL NO.	WELL OWNER	WELL DEPTH (feet)	SEAL DEPTH (feet)	WELL USE	STATUS
2S/4W2Q1	1	8730023A-1	Vintage Properties 1150 Marina Village Parkway Alameda, CA 94501	16.5	3	Test Well	Active
2S/4W2Q3	2	8730023A-3	Vintage Properties 1150 Marina Village Parkway Alameda, CA 94501	14	6	Test Well	Active
2S/4W2Q4	3	8730023A-4	Vintage Properties 1150 Marina Village Parkway Alameda, CA 94501	14	2	Test Well	Active
2S/4W2Q2	4	8730023A-2	Vintage Properties 1150 Marina Village Parkway Alameda, CA 94501	15.5	1.5	Test Well	Active
02S04W02Q05	5	GMW-8	Alameda Real Estate Investments, Inc. 1150 Marina Village Parkway Alameda, CA 94501	18	3	Monitoring	Active
02S04W02Q06	5	GMW-9	Alameda Real Estate Investments, Inc. 1150 Marina Village Parkway Alameda, CA 94501	20	4	Monitoring	Active
02S04W02Q07	5	GMW-10	Alameda Real Estate Investments, Inc. 1150 Marina Village Parkway Alameda, CA 94501	15	2.5	Monitoring	Active
2S/4W11F2	6	MW-1	Shell Oil Company P.O. Box 4848 Anaheim, CA 92803	21	5	Monitoring	Active

2S/4W11F3	6	MW-2	Shell Oil Company P.O. Box 4848 Anaheim, CA 92803	21	5	Monitoring	Active
02S04W11020	7	MW-5	BP Oil Company 16400 Southcenter Parkway, #301 Tukwita, WA 98188	15	3	Monitoring	Active
02S04W11C19	7	MW-4	BP Oil Company 16400 Southcenter Parkway, #301 Tukwita, WA 98188	15	3	Monitoring	Active
02S04W11C16	8	B-7	Chevron USA Inc. P.O. Box 5004 San Ramon, CA 94583-0804	15	2	Monitoring	Active
02S04W11C17	8	B-8	Chevron USA Inc. P.O. Box 5004 San Ramon, CA 94583-0804	15	2	Monitoring	Active
02S04W11C18	8	B-9	Chevron USA Inc. P.O. Box 5004 San Ramon, CA 94583-0804	15	2	Monitoring	Active
2S/4N11C3	9		Benita Leskowski 6319 Castle Drive Oakland, CA 94501	19	0.5	Monitoring	Active
2S/4N11C4	9		Benita Leskowski 6319 Castle Drive Oakland, CA 94501	19	0.5	Monitoring	Active
2S/4W11C8	10	MW-1	Dolan Foster Enterprises 55546 Seaboard Lane Hayward, CA 94545	18	3	Monitoring	Active
2S/4W11C9	10	MW-2	Dolan Foster Enterprises 55546 Seaboard Lane Hayward, CA 94545	18	3	Monitoring	Active
2S/4W11C10	10	MW-3	Dolan Foster Enterprises 55546 Seaboard Lane Hayward, CA 94545	18	3	Monitoring	Active
2S/4W11C11	10	MW-4	Dolan Foster Enterprises 55546 Seaboard Lane Hayward, CA 94545	19	4	Monitoring	Active

2S/4W11C12	10	MW-3	Shell Oil Company P.O. Box 4023 Concord, CA 94524	20	5	Monitoring	Active
2S14W11C6	11	MW-3	Housing Authority of the City of Alameda 701 Atlantic Avenue Alameda, CA 94501	14.5	4.5	Monitoring	Active
2S/4W-11E1	12		Daniel C. Robinson 1614 6th Street Alameda, CA 94501	25	3 "	Irrigation	Active
2S/4W11D1	13		H.W. Moore 668 Pacific Avenue Alameda, CA 94501	29	10	Irrigation	Active
2S/4W11C19	14	MW-4	BP Oil Company 16400 Southcenter Parkway, Suite 301 Tukwila, WA 98188	15	5	Monitoring	Active
	15		F.Takashiima 1541 Webster Street Alameda, CA 94501	200		Irrigation	Unknown



**Table 1**  
**Summary of Soil Sample Analytical Results**  
**BP Oil Station No. 11104**  
**1716 Webster Street, Alameda, CA**

Boring No.	Date	Sample depth (feet)	TOG (ppm)	TPHd (ppm)	TPHg (ppm)	B (ppm)	T (ppm)	E (ppm)	X (ppm)	HVO (ppm)	Cd (ppm)	Cr (ppm)	Pb (ppm)	Ni (ppm)	Zn (ppm)
MW-1	7/8/92	6	-	-	3200	ND<0.5	2	8.1	3.9	-	-	-	-	-	-
MW-2	7/8/92	6	-	-	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	-	-	-	-	-	-
MW-3	7/8/92	6	ND<10	ND<1.0	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	2	25	4.2	22	29
MW-4	3/4/93	5	-	-	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	-	-	-	-	-	-
MW-5	3/31/93	4.5	-	-	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005	-	-	-	-	-	-

**Notes:**

- TOG = Total oil and grease by Standard Method 5520 E&F
- TPHd = Total high boiling point petroleum hydrocarbons by EPA Method 8015
- TPHg = Total low to medium boiling point petroleum hydrocarbons by EPA Method 8015
- BTEX = Benzene, toluene, ethylbenzene and total xylenes by EPA Method 8020
- HVO = Halogenated volatile organics by EPA Method 8010
- Cd = Cadmium by EPA Method 6010
- Cr = Chromium by EPA Method 6010
- Pb = Lead by EPA Method 6010
- Ni = Nickel by EPA Method 6010
- Zn = Zinc by EPA SW-846 Method 7950
- ND = Not detected in concentrations exceeding the indicated method detection limit
- = Not tested

APPENDIX D

Historic Site Data

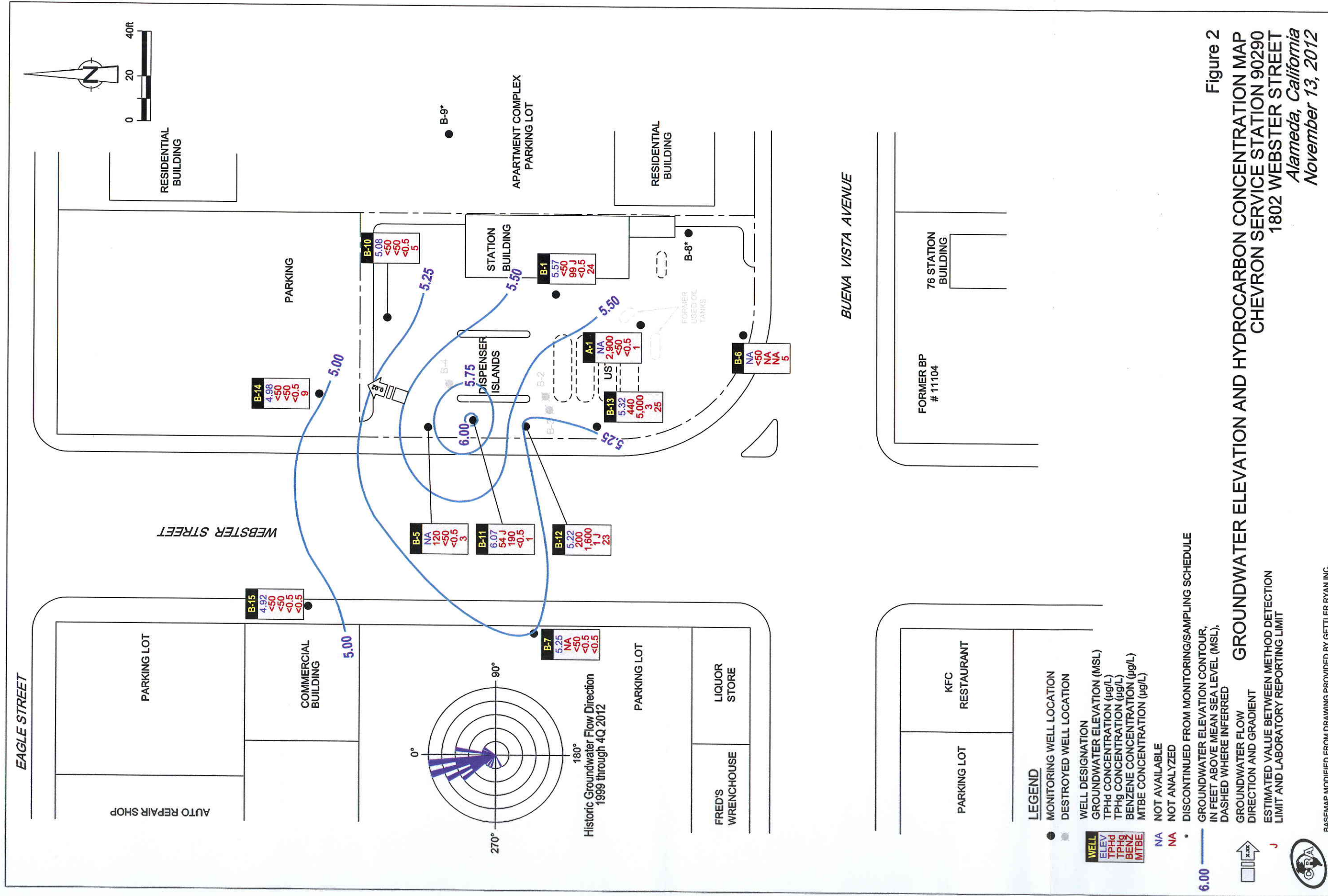


Figure 2  
**GROUNDWATER ELEVATION AND HYDROCARBON CONCENTRATION MAP**  
 CHEVRON SERVICE STATION 90290  
 1802 WEBSTER STREET  
 Alameda, California  
 November 13, 2012

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 CHEVRON SERVICE STATION 90290  
 1802 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCS						ADDITIONAL						METALS								
							TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	Motor Oil	B	T	E	X	MTBE by SW6021	MTBE by SW6260	TOC	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc				
Units	ft	ft	ft-amsl	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
A-1	08/16/1993	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	09/16/1993	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	09/24/1993	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	10/01/1993	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	10/07/1993	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	10/13/1993	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	10/19/1993	11.56	-	-	0.10	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	10/20/1993	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	10/28/1993	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	11/12/1993	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	11/19/1993	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	11/30/1993	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	12/10/1993	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	12/16/1993	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	12/23/1993	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	12/29/1993	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	01/03/1994	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	01/17/1994	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	01/26/1994	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	02/07/1994	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	02/11/1994	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	02/18/1994	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	02/25/1994	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	03/04/1994	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	03/11/1994	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	03/16/1994	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	03/25/1994	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	04/01/1994	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	08/18/1994	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	11/30/1994	11.56	-	-	0.00	2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	02/15/1995	11.56	4.79	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 CHEVRON SERVICE STATION 90290  
 1802 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCs					ADDITIONAL					METALS																
							TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	Motor OH	B	T	E	X	MTBE by SW8021	MTBE by SW8260	TOG	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Calcium	Chromium	Lead	Nickel	Zinc										
	Units	ft	ft-anst	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L			
A-1	05/01/1995	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
A-1	08/04/1995	11.56	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	11/29/1995	11.56	6.38	5.24	0.08	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	02/08/1996	11.56	4.57	7.03	0.05	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	05/08/1996	11.56	5.49	6.29	0.28	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	08/23/1996	11.56	6.43	5.31	0.22	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	12/12/1996	11.56	5.53	6.37	0.42	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	02/10/1997	11.56	4.45	7.25	0.17	0.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	05/01/1997	11.56	5.51	6.11	0.08	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	08/05/1997	11.56	5.96	5.68	0.10	0.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	10/28/1997	11.56	6.05	5.56	0.06	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	02/04/1998	11.56	3.20	8.39	0.04	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	06/03/1998	11.56	4.56	7.02	0.03	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	07/29/1998	11.56	4.44	7.15	0.04	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	11/30/1998	11.56	5.61	6.23	0.35	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	02/24/1999	11.56	4.41	7.63	0.60	0.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	05/06/1999	11.56	4.67	6.89	0.00	0.00	9,500 <sup>1</sup>	-	580	-	13.4	<2.0	4.68	58	-	165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	08/30/1999	11.56	6.04	5.52	0.00	0.00	22,000 <sup>3</sup>	-	615	68,400	12	3.45	3.8	44	-	95.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	11/17/1999	11.56	5.89	5.70	0.04	0.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	02/21/2000	11.56	4.23	7.39	0.08	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	05/08/2000	11.56	5.10	6.55	0.11	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	08/08/2000	11.56	5.53	6.13	0.13	0.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	11/01/2000	11.56	5.67	5.99	0.13	0.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	02/12/2001	11.56	4.71	6.85	0.00	0.00	15,000 <sup>12</sup>	-	290 <sup>10</sup>	-	5.1	<2.0	<2.0	17	-	640	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	05/14/2001 <sup>17</sup>	11.56	5.30	6.26	0.00	0.00	3,100 <sup>12</sup>	-	190 <sup>10</sup>	-	4.8	1.2	0.92	22	-	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	08/13/2001	11.56	5.89	5.69	0.03	0.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	11/12/2001	11.56	5.78	5.84	0.08	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	02/04/2002	11.56	4.79	6.77	0.00	0.00	23,000	-	380	-	3.3	1.4	0.69	14	-	1,800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	05/06/2002	11.56	5.00	6.56	0.00	0.00	12,000	-	280	-	2.7	1.9	1.1	20	-	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	08/29/2002	11.56	5.70	5.86	0.00	0.00	13,000	-	380	-	4.1	3.3	2.1	31	-	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	11/25/2002	11.56	5.82	5.74	0.00	0.00	19,000	-	290	-	3.0	1.3	0.81	12	-	340	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	



TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 CHEVRON SERVICE STATION 90290  
 1802 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCS				ADDITIONAL					METALS											
							TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	Motor Oil	B	T	E	X	MTBE by SW8021	MTBE by SW8260	TOG	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc				
	Units	ft	ft-amsl	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
A-1	02/05/2003	11.56	4.81	6.75	0.00	0.00	12,000	-	290	-	3.1	1.1	<0.50	5.2	-	2,400 <sup>22</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	05/15/2003	11.56	4.85	6.71	0.00	0.00	8,400	-	330	-	4.3	1.8	1	16	-	190	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	08/14/2003 <sup>24</sup>	11.56	5.71	5.85	0.00	0.00	9,100 <sup>23</sup>	-	450	-	8	3	2	26	-	270	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	11/13/2003 <sup>24</sup>	11.56	5.91	5.65	0.00	0.00	13,000	-	310	-	4	0.6	0.6	7	-	150	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	02/12/2004 <sup>24</sup>	-	4.31	-	0.00	0.00	14,000	-	120	-	<0.5	<0.5	<0.5	3	-	84	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	05/13/2004 <sup>24</sup>	-	4.53	-	0.00	0.00	3,900 <sup>23</sup>	-	310	-	3	1	0.9	13	-	9	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	08/12/2004 <sup>24</sup>	-	5.13	-	0.00	0.00	4,600	-	240	-	1	<0.5	<0.5	5	-	16	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	11/11/2004 <sup>24</sup>	-	5.67	-	0.00	0.00	9,500	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	41	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	02/10/2005 <sup>24</sup>	-	4.38	-	0.00	0.00	9,900	-	160	-	<0.5	<0.5	<0.5	1	-	43	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	05/12/2005 <sup>24</sup>	-	4.19	-	0.00	0.00	3,100 <sup>26</sup>	-	180	-	0.7	0.5	<0.5	5	-	4	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	08/11/2005 <sup>24</sup>	-	4.99	-	0.00	0.00	3,900 <sup>27</sup>	-	250	-	0.7	0.6	0.5	5	-	3	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	11/10/2005 <sup>24</sup>	-	4.95	-	0.00	0.00	2,700 <sup>27</sup>	-	160	-	<0.5	<0.5	<0.5	2	-	37	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	02/09/2006 <sup>24</sup>	-	4.02	-	0.00	0.00	4,700 <sup>27</sup>	-	83	-	<0.5	<0.5	<0.5	<0.5	-	28	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	05/11/2006 <sup>24</sup>	-	4.06	-	0.00	0.00	4,000	-	71	-	<0.5	<0.5	<0.5	3	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	08/10/2006 <sup>24</sup>	-	5.05	-	0.00	0.00	4,500	-	180	-	0.8	0.7	0.6	6	-	1	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	11/09/2006 <sup>24</sup>	-	5.38	-	0.00	0.00	3,300	-	160	-	<0.5	<0.5	<0.5	2	-	18	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	02/08/2007 <sup>24</sup>	-	5.02	-	0.00	0.00	5,300	-	65	-	<0.5	<0.5	<0.5	<0.5	-	17	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	05/10/2007 <sup>24</sup>	-	4.76	-	0.00	0.00	2,600	-	110	-	0.7	<0.5	<0.5	3	-	2	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	08/08/2007 <sup>24</sup>	-	5.45	-	0.00	0.00	2,100	-	160	-	<0.5	<0.5	<0.5	5	-	7	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	11/07/2007 <sup>24</sup>	-	5.60	-	0.00	0.00	6,900	-	78	-	<0.5	<0.5	<0.5	0.7	-	22	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	02/13/2008 <sup>24</sup>	-	4.12	-	0.00	0.00	7,800	-	70	-	<0.5	<0.5	<0.5	<0.5	-	15	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	05/14/2008 <sup>24</sup>	-	4.98	-	0.00	0.00	5,200	-	1,500	-	<0.5	<0.5	<0.5	3	-	2	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	08/13/2008 <sup>24</sup>	-	5.33	-	0.00	0.00	5,400	-	88	-	<0.5	<0.5	<0.5	7	-	4	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	11/12/2008 <sup>24</sup>	-	5.25	-	0.00	0.00	32,000	-	84	-	<0.5	<0.5	<0.5	0.8	-	10	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	02/11/2009 <sup>24</sup>	-	5.19	-	0.00	0.00	6,500	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	8	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	05/11/2009	-	-	-	0.00	0.00	6,600	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	2	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	08/27/2009	-	5.20	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	11/10/2009	-	5.20	-	0.00	0.00	8,700	-	90 J	-	<0.5	<0.5	<0.5	<0.5	-	9	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	05/19/2010	-	5.03	-	0.00	0.00	7,000	-	52 J	-	<0.5	<0.5	<0.5	<0.5	-	1	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	12/01/2010	-	5.45	-	0.00	0.00	14,000	-	63 J	-	<0.5	<0.5	<0.5	<0.5	-	6	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	05/03/2011	-	4.80	-	0.00	0.00	-	8,800	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 CHEVRON SERVICE STATION 90290  
 1802 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCs				ADDITIONAL					METALS												
							TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	Motor Oil	B	T	E	X	MTBE by SW8021	MTBE by SW8260	TOG	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc					
	Units	ft	ft-amsl	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		
A-1	12/01/2011	-	5.68	-	0.00	0.00	-	1,200	66 J	-	<0.5	<0.5	<0.5	<0.5	-	1	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	06/14/2012	-	5.28	-	0.00	0.00	-	<50	<50	-	<0.5	<0.5	<0.5	<0.5	-	1 J	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-1	11/13/2012	-	5.69	-	0.00	0.00	-	2,900	<50	-	<0.5	<0.5	<0.5	<0.5	-	1	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-2	09/20/1991	8.00	7.73	0.27	0.00	0.00	5,100	-	8,100	-	860	14	110	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-2	10/09/1991	8.00	6.61	1.39	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	10/17/1991	8.00	6.66	1.34	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	10/23/1991	8.00	6.80	1.29	0.09	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	11/01/1991	8.00	6.63	1.45	0.15	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	11/07/1991	8.00	6.64	1.45	0.21	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	11/15/1991	8.00	6.81	1.38	0.19	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	11/21/1991	8.00	6.93	1.31	0.24	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	12/12/1991	8.00	6.97	1.24	0.15	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	12/30/1991	8.00	6.54	1.70	0.24	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	01/13/1992	8.00	5.92	2.16	0.08	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	01/22/1992	8.00	6.01	2.00	0.10	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	02/12/1992	8.00	6.06	2.20	0.26	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	03/09/1992	8.00	4.93	3.11	0.04	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	04/10/1992	8.00	5.20	2.80	<0.01	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	05/18/1992	8.00	5.66	2.36	0.02	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	01/06/1993	8.00	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	02/03/1993	8.00	4.98	3.20	0.22	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	04/23/1993	11.46	5.36	6.24	0.18	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	06/11/1993	11.46	-	-	0.00	0.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	06/15/1993	11.46	-	-	0.00	0.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	06/18/1993	11.46	-	-	0.00	0.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	06/22/1993	11.46	-	-	0.00	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	06/29/1993	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	07/09/1993	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	07/15/1993	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	07/19/1993	11.46	6.79	5.53	1.07	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 CHEVRON SERVICE STATION 90290  
 1802 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCs						ADDITIONAL					METALS											
							TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	Motor Oil	B	T	E	X	MTBE by SW89021	MTBE by SW8260	TOC	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc						
	Units	ft	ft-amsl	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		
A-2	07/20/1993	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A-2	07/27/1993	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	08/06/1993	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	08/10/1993	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	08/16/1993	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	09/16/1993	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	09/24/1993	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	10/01/1993	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	10/07/1993	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	10/13/1993	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	10/19/1993	11.46	6.36	6.23	1.41	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	10/20/1993	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	10/28/1993	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	11/12/1993	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	11/19/1993	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	11/30/1993	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	12/10/1993	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	12/16/1993	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	12/23/1993	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	12/29/1993	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	01/03/1994	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	01/17/1994	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	01/26/1994	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	02/07/1994	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	02/11/1994	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	02/18/1994	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	02/25/1994	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	03/04/1994	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	03/11/1994	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	03/16/1994	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	03/25/1994	11.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



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Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCs						ADDITIONAL						METALS										
							TPH-DRO	TPH-DRO w/ St Gal	TPH-GRO	Motor Oil	B	T	E	X	MTBE by SW8021	MTBE by SW8260	FOG	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc						
Units	ft	ft-ansl	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L				
B-1	04/23/1993	12.12	5.93	6.19	0.00	0.00	8,300	-	13,000	-	4,900	22	250	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
B-1	07/19/1993	12.12	6.66	5.46	0.00	0.00	1,600	-	3,300	-	1,200	16	24	<30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
B-1	10/19/1993	12.12	7.08	5.04	0.00	0.00	550	-	2,300	-	730	18	14	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
B-1	01/17/1994	12.12	6.73	5.39	0.00	0.00	<50	-	22,000	-	6,500	170	210	430	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
B-1	08/18/1994	12.12	6.85	5.27	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B-1	11/30/1994	12.12	6.01	6.11	0.00	0.00	3,200 <sup>1</sup>	-	1,500	-	250	17	7.5	19	-	-	<5.0 <sup>2</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B-1	02/15/1995	12.12	5.37	6.75	0.00	0.00	1,300 <sup>1</sup>	-	1,000	-	160	<2.0	4.6	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B-1	05/01/1995	12.12	5.12	7.00	0.00	0.00	2,600 <sup>3</sup>	-	140	-	20	0.52	2.0	0.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B-1	08/04/1995	12.12	5.50	6.62	0.00	0.00	4,900 <sup>3</sup>	-	6,700	-	1,400	<20	<20	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B-1	11/29/1995	12.12	5.85	6.27	0.00	0.00	5,000 <sup>3</sup>	-	9,200	-	2,200	<25	<25	25	-	8,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-1	02/08/1996	12.12	4.00	8.12	0.00	0.00	1,300 <sup>3</sup>	-	1,500	-	190	<5.0	<5.0	<5.0	-	2,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-1	05/08/1996	12.12	4.80	7.32	0.00	0.00	2,900 <sup>3</sup>	-	3,700	-	650	<10	24	16	-	2,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-1	08/23/1996	12.12	5.54	6.58	0.00	0.00	2,600	-	3,200	-	500	<20	<20	<20	-	4,900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-1	12/12/1996	12.12	4.90	7.22	0.00	0.00	3,400 <sup>4</sup>	-	2,500	-	380	<25	<25	25	-	8,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-1	02/10/1997	12.12	4.59	7.53	0.00	0.00	2,100 <sup>3</sup>	-	2,200	-	270	11	8.8	13	-	3,400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-1	05/01/1997	12.12	5.66	6.46	0.00	0.00	1,300 <sup>3</sup>	-	1,200	-	70	5.8	<5.0	7.2	-	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-1	08/05/1997	12.12	6.44	5.68	0.00	0.00	1,500 <sup>3</sup>	-	<1,000	-	86	<10	<10	<10	-	3,800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-1	10/28/1997	12.12	6.43	5.69	0.00	0.00	2,000 <sup>3</sup>	-	1,400	-	73	6.5	6.8	9.0	-	2,900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-1	02/04/1998	12.12	3.01	9.11	0.00	0.00	1,200 <sup>3</sup>	-	1,500	-	4.5	1.7	<0.5	2.2	-	1,900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-1	02/12/1998	12.12	3.79	8.33	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	06/03/1998	12.12	4.89	7.23	0.00	0.00	970 <sup>3</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	1,400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	07/29/1998	12.12	5.75	6.37	0.00	0.00	1,100 <sup>3</sup>	-	850	-	27	<0.5	4.0	2.9	-	770 / 1200 <sup>6</sup>	-	-	930,000	2,000	13,000	280,000	-	-	-	-	-	-	-	-	-	-	-
B-1	11/30/1998	12.12	5.68	6.44	0.00	0.00	1,490	-	543	-	<5.0	<5.0	<5.0	<5.0	-	2,220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	02/24/1999	12.12	4.29	7.83	0.00	0.00	1,400 <sup>3</sup>	-	390	-	1.6	0.57	2.8	2.5	-	2,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	05/06/1999	12.12	5.01	7.11	0.00	0.00	340 <sup>3</sup>	-	239	-	4.02	<0.5	3.87	1.97	-	197	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	08/30/1999	12.12	6.21	5.91	0.00	0.00	1,570 <sup>7</sup>	-	739	-	22.4	3.45	5.62	3.27	-	1,110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	11/17/1999	12.12	6.14	5.98	0.00	0.00	1,730	-	907	-	66.4	3.82	4.39	4.75	-	2,480	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	02/21/2000	12.12	4.59	7.53	0.00	0.00	1,000 <sup>3</sup>	-	679	-	10.5	<1.0	3.84	3.21	-	2,330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	05/08/2000	12.12	5.46	6.66	0.00	0.00	870 <sup>11</sup>	-	1,000 <sup>6</sup>	-	<5.0	<5.0	<5.0	<5.0	-	660	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	08/08/2000	12.12	5.90	6.22	0.00	0.00	520 <sup>11</sup>	-	<500	-	29	<5.0	<5.0	<5.0	-	1,900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 CHEVRON SERVICE STATION 90290  
 1802 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCS						ADDITIONAL						METALS										
							TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	Motor Oil	B	T	E	X	MTBE by SW8021	MTBE by SW8260	IOG	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc						
	Units	ft	ft-ansl	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L			
B-1	11/01/2000	12.12	4.98	7.14	0.00	0.00	570 <sup>14</sup>	-	860 <sup>10</sup>	-	41	<5.0	8.3	13	-	2,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B-1	02/12/2001	12.12	5.41	6.71	0.00	0.00	940 <sup>14</sup>	-	790 <sup>15</sup>	-	36	<5.0	<5.0	18	-	1,200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B-1	05/14/2001	12.12	5.74	6.38	0.00	0.00	690 <sup>11</sup>	-	<1,000	-	<10	<10	<10	<10	-	540	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B-1	11/12/2001	12.12	6.53	5.59	0.00	0.00	2,300	-	1,100	-	12	2.5	3.4	8.8	-	1,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B-1	02/04/2002	12.12	5.20	6.92	0.00	0.00	1,800	-	850	-	7.5	0.66	5.3	<5.0	-	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B-1	05/06/2002	12.12	5.45	6.67	0.00	0.00	440	-	350	-	<0.50	<0.50	1.7	<1.5	-	83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B-1	08/29/2002	12.12	6.18	5.94	0.00	0.00	3,000	-	770	-	7.3	1.1	1.5	3.1	-	330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B-1	11/25/2002	12.12	6.25	5.87	0.00	0.00	3,400	-	510	-	7.7	<1.0	1.2	3.6	-	540	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B-1	02/05/2003	12.12	5.25	6.87	0.00	0.00	1,400	-	560	-	4.8	0.55	2.4	1.9	-	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B-1	05/15/2003	12.12	5.26	6.86	0.00	0.00	1,400	-	370	-	2.4	<0.5	1.9	2.0	-	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B-1	08/14/2003 <sup>24</sup>	12.12	6.20	5.92	0.00	0.00	1,300 <sup>23</sup>	-	650	-	4	0.9	0.7	2	-	210	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-1	11/13/2003 <sup>24</sup>	12.12	6.39	5.73	0.00	0.00	720	-	210	-	0.7	<0.5	<0.5	0.9	-	200	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-1	02/12/2004 <sup>24</sup>	12.12	5.17	6.95	0.00	0.00	1,200	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	53	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-1	05/13/2004 <sup>24</sup>	12.12	5.26	6.86	0.00	0.00	63 <sup>23</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	10	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-1	08/12/2004 <sup>24</sup>	12.12	6.01	6.11	0.00	0.00	280	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	26	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-1	11/11/2004 <sup>24</sup>	12.12	6.48	5.64	0.00	0.00	280	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	23	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-1	02/10/2005 <sup>24</sup>	12.12	5.41	6.71	0.00	0.00	420	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	41	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-1	05/12/2005 <sup>24</sup>	12.12	4.98	7.14	0.00	0.00	200	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	9	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-1	08/11/2005 <sup>24</sup>	12.12	5.78	6.34	0.00	0.00	260 <sup>27</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	17	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	11/10/2005 <sup>24</sup>	12.12	5.74	6.38	0.00	0.00	130 <sup>27</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	56	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	02/09/2006 <sup>24</sup>	12.12	4.86	7.26	0.00	0.00	380 <sup>31</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	25	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	05/11/2006 <sup>24</sup>	12.12	4.92	7.20	0.00	0.00	580	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	10	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	08/10/2006 <sup>24</sup>	12.12	5.80	6.32	0.00	0.00	550	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	8	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	11/09/2006 <sup>24</sup>	12.12	6.15	5.97	0.00	0.00	300	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	7	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	02/08/2007 <sup>24</sup>	12.12	5.80	6.32	0.00	0.00	240	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	05/10/2007 <sup>24</sup>	12.12	5.50	6.62	0.00	0.00	140	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	4	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	08/08/2007 <sup>24</sup>	12.12	6.18	5.94	0.00	0.00	170	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	6	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	11/07/2007 <sup>24</sup>	12.12	6.31	5.81	0.00	0.00	250	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	7	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	02/13/2008 <sup>24</sup>	12.12	4.94	7.18	0.00	0.00	570	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	47	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	05/14/2008 <sup>24</sup>	12.12	5.85	6.27	0.00	0.00	200	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	1	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	08/13/2008 <sup>24</sup>	12.12	6.20	5.92	0.00	0.00	180	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 CHEVRON SERVICE STATION 90290  
 1802 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCS						ADDITIONAL						METALS								
							TPH-DRO	TPH-DRO rw/Si Gal	TPH-CRO	Motor Oil	B	T	E	X	MTBE by SW8021	MTBE by SW8260	TOG	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc				
	Units	ft	ft-ansi	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
B-1	11/12/2008 <sup>24</sup>	12.12	6.11	6.01	0.00	0.00	200	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	4	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	02/11/2009 <sup>24</sup>	12.12	6.01	6.11	0.00	0.00	140	-	75	-	<0.5	<0.5	<0.5	<0.5	-	11	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	05/11/2009	12.12	6.82	5.30	0.00	0.00	1,000	-	67 J	-	<0.5	<0.5	<0.5	<0.5	-	27	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	08/27/2009	12.12	6.07	6.05	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	11/10/2009	12.12	5.95	6.17	0.00	0.00	1,500	-	220	-	<0.5	<0.5	<0.5	<0.5	-	36	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	05/19/2010	12.12	5.73	6.39	0.00	0.00	540	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	0.8 J	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	12/01/2010	12.12	6.25	5.87	0.00	0.00	540	-	55 J	-	<0.5	<0.5	<0.5	<0.5	-	18	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	05/03/2011	12.12	5.50	6.62	0.00	0.00	-	310	<50	-	<0.5	<0.5	<0.5	<0.5	-	5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	12/01/2011	12.12	6.54	5.58	0.00	0.00	-	<50	<50	-	<0.5	<0.5	<0.5	<0.5	-	6	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	06/14/2012	12.12	6.10	6.02	0.00	0.00	-	230	<50	-	<0.5	<0.5	<0.5	<0.5	-	5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-1	11/13/2012	12.12	6.55	5.57	0.00	0.00	-	<50	99 J	-	<0.5	<0.5	<0.5	<0.5	-	24	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-3	09/20/1991	8.01	6.94	1.08	0.01	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-3	10/09/1991	8.01	6.35	1.66	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-3	10/17/1991	8.01	6.44	1.57	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-3	11/01/1991	8.01	6.31	1.70	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-3	11/07/1991	8.01	6.32	1.69	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-3	11/15/1991	8.01	6.39	1.62	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-3	11/21/1991	8.01	6.44	1.57	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-3	12/12/1991	8.01	6.82	1.19	<0.01	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-3	12/30/1991	8.01	6.37	1.64	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-3	01/13/1992	8.01	5.94	2.07	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-3	01/22/1992	8.01	5.99	2.02	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-3	02/12/1992	8.01	5.82	2.19	<0.01	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-3	03/09/1992	8.01	5.10	2.91	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-3	04/10/1992	8.01	5.36	2.65	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-3	05/18/1992	8.01	5.72	2.29	0.00	0.00	250	-	6,200	-	550	58	13	51	-	-	<5,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-3	01/06/1993	8.01	5.50	2.51	Sheen	0.00	10,000	-	5,400	-	490	54	51	82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-3	02/03/1993	8.01	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-3	04/23/1993	11.42	5.32	6.10	0.00	0.00	6,400	-	18,000	-	540	69	47	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-3	07/29/1993	11.42	5.94	5.48	0.00	0.00	4,000	-	40,000	-	780	69	49	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 CHEVRON SERVICE STATION 90290  
 1802 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCs				ADDITIONAL					METALS										
							TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	Motor Oil	B	T	E	X	MTBE by SW8021	MTBE by SW8260	TOG	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc			
	Units	ft	ft-ansl	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
B-3	10/19/1993	11.42	6.32	5.10	0.00	0.00	1,500	-	20,000	-	520	37	43	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-3	01/17/1994	11.42	6.95	4.47	0.00	0.00	<50	-	3,900	-	430	32	29	82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-4	09/20/1991	8.04	6.82	1.22	0.01	0.00	1,400	-	19,000	-	710	160	650	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-4	10/09/1991	8.04	6.63	1.41	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-4	10/17/1991	8.04	6.84	1.20	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-4	10/23/1991	8.04	6.87	1.17	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-4	11/01/1991	8.04	6.70	1.34	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-4	11/07/1991	8.04	6.73	1.31	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-4	11/15/1991	8.04	6.83	1.21	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-4	11/21/1991	8.04	6.84	1.20	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-4	12/12/1991	8.04	6.87	1.17	<0.01	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-4	12/30/1991	8.04	6.46	1.58	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-4	01/13/1992	8.04	5.91	2.13	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-4	01/22/1992	8.04	5.95	2.09	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-4	02/12/1992	8.04	5.78	2.26	<0.01	0.00	860	-	15,000	-	920	75	520	940	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-4	03/09/1992	8.04	5.09	2.95	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-4	04/10/1992	8.04	5.39	2.65	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-4	05/18/1992	8.04	5.59	2.45	0.00	0.00	<50	-	19,000	-	2,000	97	560	1,200	-	-	<5,000	-	-	-	-	-	-	-	-	-	-	-	-	-
B-4	01/06/1993	8.04	5.50	2.54	Sheen	0.00	2,700	-	19,000	-	2,000	89	490	740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-4	02/03/1993	8.04	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-4	04/23/1993	11.46	5.39	6.07	0.00	0.00	2,300	-	5,700	-	2,400	75	380	580	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-4	07/19/1993	11.46	6.13	5.33	0.00	0.00	2,400	-	19,000	-	2,400	140	440	620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-4	10/19/1993	11.46	6.51	4.95	0.00	0.00	2,100	-	13,000	-	1,200	84	290	530	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-4	01/17/1994	11.46	6.18	5.28	0.00	0.00	<50	-	11,000	-	1,900	63	170	290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	09/20/1991	7.73	5.53	2.20	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	10/09/1991	7.73	5.31	2.42	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	10/17/1991	7.73	5.64	2.09	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	10/23/1991	7.73	5.68	2.05	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	11/01/1991	7.73	5.49	2.24	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 CHEVRON SERVICE STATION 90290  
 1802 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCs				ADDITIONAL						METALS												
							TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	Motor OH	B	T	E	X	MTBE by SW8021	MTBE by SW8260	FOG	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc						
	Units	ft	ft-amsl	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		
B-5	11/07/1991	7.73	5.54	2.19	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	11/15/1991	7.73	5.63	2.10	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	11/21/1991	7.73	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	12/12/1991	7.73	5.68	2.05	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	12/30/1991	7.73	5.19	2.54	0.00	0.00	550	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	01/13/1992	7.73	4.65	3.07	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	01/22/1992	7.73	4.70	3.03	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	02/12/1992	7.73	4.45	3.38	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	03/09/1992	7.73	4.05	3.68	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	04/10/1992	7.73	4.43	3.30	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	05/18/1992	7.73	3.79	3.94	0.00	0.00	-	-	390	-	39	1.9	11	24	-	-	<5,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	01/06/1993	7.73	4.44	3.39	Sheen	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	02/03/1993	7.73	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	04/23/1993	10.18	4.32	5.86	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	07/19/1993	10.18	5.03	5.15	0.00	0.00	<50	-	54	-	<0.5	0.7	<0.5	<1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	10/19/1993	10.18	5.10	5.08	0.00	0.00	<50	-	<50	-	2.0	4.1	0.6	3.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	01/07/1994	10.18	4.86	5.32	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	08/18/1994	10.18	5.14	5.04	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	11/30/1994	10.18	4.45	5.73	0.00	0.00	140 <sup>1</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	02/15/1995	10.18	4.15	6.03	0.00	0.00	170 <sup>1</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	05/01/1995	10.18	4.43	5.75	0.00	0.00	190 <sup>3</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	08/04/1995	10.18	4.96	5.22	0.00	0.00	250 <sup>3</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	11/29/1995	10.18	5.21	4.97	0.00	0.00	330 <sup>3</sup>	-	140	-	1.5	<0.5	1.1	<0.5	-	800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	02/08/1996	10.18	3.80	6.38	0.00	0.00	250 <sup>3</sup>	-	<200	-	2.1	<2.0	<2.0	<2.0	-	1,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	05/08/1996	10.18	4.40	5.78	0.00	0.00	350 <sup>3</sup>	-	<500	-	<5.0	<5.0	<5.0	<5.0	-	1,400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	08/23/1996	10.18	4.99	5.19	0.00	0.00	990	-	250	-	6.4	2.1	2.1	4.3	-	9,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	12/12/1996	10.18	4.28	5.90	0.00	0.00	430 <sup>3</sup>	-	<1,000	-	<10	<10	<10	<10	-	6,700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	02/10/1997	10.18	3.63	6.55	0.00	0.00	340 <sup>3</sup>	-	<500	-	<5.0	<5.0	<5.0	<5.0	-	930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	05/01/1997	10.18	4.31	5.87	0.00	0.00	290 <sup>3</sup>	-	<500	-	<5.0	<5.0	<5.0	<5.0	-	1,900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	08/05/1997	10.18	4.89	5.29	0.00	0.00	710 <sup>3</sup>	-	<1,000	-	<10	<10	<10	<10	-	6,800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	10/28/1997	10.18	5.00	5.18	0.00	0.00	880 <sup>3</sup>	-	<500	-	<5.0	<5.0	<5.0	<5.0	-	7,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



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 CHEVRON SERVICE STATION 90290  
 1802 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCS						ADDITIONAL						METALS										
							TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	Motor Oil	B	T	E	X	MTBE by SW8021	MTBE by SW8260	TOC	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc						
	Units	ft	ft-amsl	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		
B-5	02/04/1998	10.18	2.53	7.65	0.00	0.00	290 <sup>3</sup>	-	<50	-	0.51	<0.5	<0.5	<0.5	-	2,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	06/03/1998	10.18	3.85	6.33	0.00	0.00	630 <sup>3</sup>	-	220	-	2.0	15	2.8	20	-	450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	07/29/1998	10.18	4.55	5.63	0.00	0.00	1,100 <sup>3</sup>	-	<50	-	1.6	<0.5	<0.5	1.6	-	4600 / 6200 <sup>6</sup>	-	-	280,000	1,100	<1,000	7,000	-	-	-	-	-	-	-	-	-	-	
B-5	11/30/1998	10.18	4.37	5.81	0.00	0.00	371	-	<50	-	<0.5	1.91	<0.5	1.09	-	202	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	02/24/1999	10.18	3.39	6.79	0.00	0.00	512 <sup>3</sup>	-	<50	-	<0.5	<0.5	0.69	3.1	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	05/06/1999	10.18	4.02	6.16	0.00	0.00	790 <sup>3</sup>	-	<50	-	2.27	<0.5	<0.5	<0.5	-	3,090	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	08/30/1999	10.18	5.16	5.02	0.00	0.00	1,890 <sup>7</sup>	-	<250	-	4.25	<2.5	<2.5	<2.5	-	10,400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	11/17/1999	10.18	4.90	5.28	0.00	0.00	1,180 <sup>3</sup>	-	101	-	4.95	<0.5	<0.5	<0.5	-	8,510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	02/21/2000	10.18	3.51	6.67	0.00	0.00	240 <sup>3</sup>	-	<100	-	<1.0	<1.0	<1.0	<1.0	-	555	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	05/08/2000	10.18	4.30	5.88	0.00	0.00	1,200 <sup>12</sup>	-	<50	-	<0.50	<0.50	<0.50	1.4	-	270	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	08/08/2000	10.18	4.63	5.55	0.00	0.00	350 <sup>11</sup>	-	<1,000	-	<10	<10	<10	<10	-	8,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	11/01/2000	10.18	4.65	5.53	0.00	0.00	470 <sup>14</sup>	-	<500	-	<5.0	<5.0	<5.0	11	-	4,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	02/12/2001	10.18	4.05	6.13	0.00	0.00	190 <sup>12</sup>	-	<50	-	<0.50	<0.50	<0.50	1.3	-	420	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	05/14/2001	10.18	4.59	5.59	0.00	0.00	<1,000	-	<500	-	<5.0	<5.0	<5.0	<5.0	-	6,800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	08/13/2001	10.18	5.04	5.14	0.00	0.00	2,800	-	<50	-	<0.50	<0.50	<0.50	<0.50	-	11,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	11/12/2001	10.18	4.30	5.88	0.00	0.00	2,400	-	100	-	1.0	<0.50	<0.50	<1.5	-	2,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	02/04/2002	10.18	4.15	6.03	0.00	0.00	1,800	-	99	-	<0.50	0.63	2.2	14	-	3,200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	05/06/2002	10.18	4.32	5.86	0.00	0.00	1,700	-	<50	-	<0.50	<0.50	<0.50	<1.5	-	830	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	08/29/2002	10.18	4.98	5.20	0.00	0.00	12,000	-	<250	-	5.2	<1.0	<1.0	<3.0	-	18,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	11/25/2002	10.18	4.92	5.26	0.00	0.00	5,100	-	100	-	1.2	<0.50	<0.50	<1.5	-	4,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	02/05/2003	10.18	4.20	5.98	0.00	0.00	1,900	-	<50	-	<0.50	<0.50	<0.50	<1.5	-	4,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	05/15/2003	10.18	4.23	5.95	0.00	0.00	2,600	-	53	-	0.8	0.7	<0.5	1.6	-	5,400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	08/14/2003 <sup>24</sup>	10.18	5.01	5.17	0.00	0.00	10,000 <sup>23</sup>	-	320	-	<10	<10	<10	<10	-	15,000	-	<1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-5	11/13/2003 <sup>24</sup>	-	5.05	-	0.00	0.00	15,000	-	220	-	<3	<3	<3	<3	-	4,700	-	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	02/12/2004 <sup>24</sup>	-	4.19	-	0.00	0.00	4,900	-	120	-	<5	<5	<5	<5	-	5,200	-	<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	05/13/2004 <sup>24</sup>	-	4.55	-	0.00	0.00	3,400 <sup>23</sup>	-	94	-	<1	<1	<1	<1	-	2,000	-	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	08/12/2004 <sup>24</sup>	-	4.84	-	0.00	0.00	4,800	-	150	-	<0.5	<0.5	<0.5	<0.5	-	300	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	11/11/2004 <sup>24</sup>	-	5.35	-	0.00	0.00	12,000	-	150	-	<0.5	<0.5	<0.5	<0.5	-	57	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	02/10/2005 <sup>24</sup>	-	4.04	-	0.00	0.00	3,500	-	70	-	<0.5	<0.5	<0.5	<0.5	-	44	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	05/12/2005 <sup>24</sup>	-	4.11	-	0.00	0.00	2,900 <sup>26</sup>	-	69	-	<0.5	<0.5	<0.5	<0.5	-	39	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	08/11/2005 <sup>24</sup>	-	4.62	-	0.00	0.00	13,000 <sup>28</sup>	-	140	-	<0.5	<0.5	<0.5	<0.5	-	83	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 CHEVRON SERVICE STATION 90290  
 1802 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCS				ADDITIONAL					METALS												
							TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	Motor Oil	B	T	E	X	MTBE by SW8021	MTBE by SW8260	TOC	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc					
	Units	ft	ft-anstl	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		
B-5	11/10/2005 <sup>24</sup>	-	4.71	-	0.00	0.00	9,500 <sup>27</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	16	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	02/09/2006 <sup>24</sup>	-	3.90	-	0.00	0.00	1,400 <sup>27</sup>	-	61	-	<0.5	<0.5	<0.5	<0.5	-	27	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	05/11/2006 <sup>24</sup>	-	3.93	-	0.00	0.00	1,200	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	1	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	08/10/2006 <sup>24</sup>	-	4.70	-	0.00	0.00	9,000	-	73	-	<0.5	<0.5	0.5	1	-	18	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	11/09/2006 <sup>24</sup>	-	4.83	-	0.00	0.00	9,200	-	50	-	<0.5	<0.5	0.5	<0.5	-	29	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	02/08/2007 <sup>24</sup>	-	4.58	-	0.00	0.00	6,600	-	56	-	<0.5	<0.5	<0.5	<0.5	-	650	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	05/10/2007 <sup>24</sup>	-	4.47	-	0.00	0.00	4,500	-	82	-	<0.5	<0.5	<0.5	<0.5	-	52	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	08/08/2007 <sup>24</sup>	-	4.93	-	0.00	0.00	13,000	-	54	-	<0.5	<0.5	<0.5	<0.5	-	32	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	11/07/2007 <sup>24</sup>	-	5.04	-	0.00	0.00	5,300	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	9	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	02/13/2008 <sup>24</sup>	-	4.43	-	0.00	0.00	2,700	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	8	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	05/14/2008 <sup>24</sup>	-	4.97	-	0.00	0.00	4,600	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	97	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	08/13/2008 <sup>24</sup>	-	4.89	-	0.00	0.00	3,900	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	22	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	11/12/2008 <sup>24</sup>	-	4.78	-	0.00	0.00	3,300	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	02/11/2009 <sup>24</sup>	-	4.70	-	0.00	0.00	6,000	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	6	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	05/11/2009	-	-	-	0.00	0.00	3,700	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	29	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	08/27/2009	-	4.90	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	11/10/2009	-	4.70	-	0.00	0.00	6,400	-	59 J	-	<0.5	<0.5	<0.5	<0.5	-	15	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	05/19/2010	-	4.72	-	0.00	0.00	6,700	-	79 J	-	<0.5	<0.5	<0.5	<0.5	-	34	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	12/01/2010	-	5.02	-	0.00	0.00	6,300	-	66 J	-	<0.5	<0.5	<0.5	<0.5	-	11	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	05/03/2011	-	4.53	-	0.00	0.00	-	4,000	320	-	<0.5	<0.5	<0.5	<0.5	-	8	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	12/01/2011	-	5.33	-	0.00	0.00	-	150	81 J	-	<0.5	<0.5	<0.5	<0.5	-	9	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	06/14/2012	-	4.98	-	0.00	0.00	-	130	<50	-	<0.5	<0.5	<0.5	<0.5	-	5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-5	11/13/2012	-	5.18	-	0.00	0.00	-	120	<50	-	<0.5	<0.5	<0.5	<0.5	-	3	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-6	09/20/1991	8.55	6.85	1.70	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-6	10/09/1991	8.55	6.83	1.72	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	10/17/1991	8.55	6.90	1.65	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	10/23/1991	8.55	6.93	1.62	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	11/01/1991	8.55	6.78	1.77	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	11/07/1991	8.55	6.81	1.74	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	11/15/1991	8.55	6.88	1.67	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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GROUNDWATER MONITORING AND SAMPLING DATA  
 CHEVRON SERVICE STATION 90290  
 1802 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCs				ADDITIONAL						METALS									
							TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	Motor Oil	B	T	E	X	MTBE by SW8021	MTBE by SW8260	TOG	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc			
	Units	ft	ft-amsl	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
B-6	11/21/1991	8.55	6.95	1.60	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	12/12/1991	8.55	7.14	1.41	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	12/30/1991	8.55	6.50	2.05	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	01/13/1992	8.55	6.19	2.36	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	01/22/1992	8.55	6.27	2.28	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	02/12/1992	8.55	6.12	2.43	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	03/09/1992	8.55	5.28	3.27	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	04/10/1992	8.55	5.48	3.07	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	05/18/1992	8.55	5.90	2.65	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	<5,000	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	01/06/1993	8.55	5.79	2.76	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	02/03/1993	8.55	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	04/23/1993	11.97	5.27	6.70	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	07/19/1993	11.97	6.91	5.06	0.00	0.00	<50	-	74	-	<0.5	<0.5	<0.5	<1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	10/19/1993	11.97	6.48	5.49	0.00	0.00	<50	-	<50	-	<0.5	0.5	<0.5	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	01/07/1994	11.97	6.18	5.79	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	08/18/1994	11.97	6.20	5.77	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	11/30/1994	11.97	5.45	6.52	0.00	0.00	230 <sup>1</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	02/15/1995	11.97	4.70	7.27	0.00	0.00	130 <sup>1</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	05/01/1995	11.97	5.03	6.94	0.00	0.00	97 <sup>2</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	08/04/1995	11.97	5.82	6.15	0.00	0.00	350 <sup>3</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	11/29/1995	11.97	6.00	5.97	0.00	0.00	200 <sup>3</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	02/08/1996	11.97	4.70	7.27	0.00	0.00	210 <sup>3</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	05/08/1996	11.97	5.23	6.74	0.00	0.00	250 <sup>3</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	08/23/1996	11.97	6.05	5.92	0.00	0.00	310 <sup>3</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	12/12/1996	11.97	5.32	6.65	0.00	0.00	300 <sup>3</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	02/10/1997	11.97	4.37	7.60	0.00	0.00	130 <sup>3</sup>	-	-	-	-	-	-	-	-	-	360	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	05/01/1997	11.97	5.23	6.74	0.00	0.00	260 <sup>3</sup>	-	-	-	-	-	-	-	-	-	2,200	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	08/05/1997	11.97	5.75	6.22	0.00	0.00	260 <sup>3</sup>	-	-	-	-	-	-	-	-	-	1,800	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	10/28/1997	11.97	6.08	5.89	0.00	0.00	340 <sup>3</sup>	-	-	-	-	-	-	-	-	-	1,900	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	02/04/1998	11.97	2.71	9.26	0.00	0.00	280 <sup>3</sup>	-	-	-	-	-	-	-	-	-	1,400	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	06/03/1998	11.97	4.48	7.49	0.00	0.00	130 <sup>3</sup>	-	-	-	-	-	-	-	-	-	1,200	-	-	-	-	-	-	-	-	-	-	-	-	-





TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 CHEVRON SERVICE STATION 90290  
 1802 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCS				ADDITIONAL					METALS										
							TPH-DRO	TPH-DRO w/ Si Gal	TPH-GRO	Motor Oil	B	T	E	X	MTBE by SW8021	MTBE by SW8260	FOG	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc			
	Units	ft	ft-amsl	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
B-6	05/11/2006	-	4.70	-	0.00	0.00	<50	-	-	-	-	-	-	-	1,000	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	08/10/2006	-	5.42	-	0.00	0.00	150	-	-	-	-	-	-	-	4,300	-	<250	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	11/09/2006 <sup>24</sup>	-	5.80	-	0.00	0.00	240	-	-	-	-	-	-	-	2,200	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	02/08/2007	-	5.48	-	0.00	0.00	140	-	-	-	-	-	-	-	1,300	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	05/10/2007	-	5.17	-	0.00	0.00	120	-	-	-	-	-	-	-	1,500	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	08/08/2007	-	5.80	-	0.00	0.00	73	-	-	-	-	-	-	-	1,300	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	11/07/2007	-	5.98	-	0.00	0.00	120	-	-	-	-	-	-	-	100 <sup>30</sup>	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	02/13/2008	-	4.59	-	0.00	0.00	130	-	-	-	-	-	-	-	33	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	05/14/2008	-	5.36	-	0.00	0.00	94	-	-	-	-	-	-	-	680	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	08/13/2008 <sup>24</sup>	-	5.87	-	0.00	0.00	90	-	-	-	-	-	-	-	<400 <sup>32</sup>	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	11/12/2008	-	5.75	-	0.00	0.00	95	-	-	-	-	-	-	-	22	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	02/11/2009	-	5.70	-	0.00	0.00	<50	-	-	-	-	-	-	-	13	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	05/11/2009	-	-	-	0.00	0.00	420	-	-	-	-	-	-	-	<50	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	08/27/2009	-	5.67	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	11/10/2009	-	5.72	-	0.00	0.00	230	-	-	-	-	-	-	-	850	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	05/19/2010	-	5.34	-	0.00	0.00	480	-	-	-	-	-	-	150	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	12/01/2010	-	5.97	-	0.00	0.00	110	-	-	-	-	-	-	-	12	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	05/03/2011	-	5.10	-	0.00	0.00	-	<50	-	-	-	-	-	-	7	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	12/01/2011	-	6.11	-	0.00	0.00	-	<50	-	-	-	-	-	9.0 J	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	06/14/2012	-	5.74	-	0.00	0.00	-	<50	-	-	-	-	-	-	5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-6	11/13/2012	-	6.13	-	0.00	0.00	-	<50	-	-	-	-	-	-	5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	04/23/1993	10.54	4.52	6.02	0.00	0.00	-	-	<50	-	<0.5	<0.5	<0.5	<1.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	07/19/1993	10.54	5.04	5.50	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<1.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	10/19/1993	10.54	5.40	5.14	0.00	0.00	<50	-	<50	-	3.1	0.5	<0.5	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	01/07/1994	10.54	5.19	5.35	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	08/18/1994	10.54	5.26	5.28	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	11/30/1994	10.54	4.58	5.96	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	02/15/1995	10.54	4.22	6.32	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	05/01/1995	10.54	4.50	6.04	0.00	0.00	53 <sup>3</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	08/04/1995	10.54	4.98	5.56	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 CHEVRON SERVICE STATION 90290  
 1802 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCS				ADDITIONAL					METALS											
							TPH-DRO	TPH-DRO w/ Si Cal	TPH-GRO	Motor Oil	B	T	E	X	MTBE by SW8021	MTBE by SW8260	TOG	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc				
	Units	ft	ft-anst	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
B-7	02/12/1998	10.54	3.05	7.49	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	06/03/1998	10.54	3.95	6.59	0.00	0.00	-	-	-	-	-	-	-	-	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	07/29/1998	10.54	4.55	5.99	0.00	0.00	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	11/30/1998	10.54	4.98	5.56	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	02/24/1999	10.54	3.30	7.24	0.00	0.00	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	05/06/1999	10.54	5.75	4.79	0.00	0.00	-	-	-	-	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	08/30/1999	10.54	5.29	5.25	0.00	0.00	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	11/17/1999	10.54	5.73	4.81	0.00	0.00	-	-	-	-	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	02/21/2000	10.54	4.00	6.54	0.00	0.00	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	05/08/2000	10.54	4.40	6.14	0.00	0.00	-	-	<50	-	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	08/08/2000	10.54	4.49	6.05	0.00	0.00	-	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	11/01/2000	10.54	4.69	5.85	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	02/12/2001	10.54	4.37	6.17	0.00	0.00	-	-	<50	-	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	05/14/2001	10.54	4.45	6.09	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	08/13/2001	10.54	4.93	5.61	0.00	0.00	-	-	<50	-	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	11/12/2001	10.54	5.27	5.27	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	02/04/2002	10.54	4.11	6.43	0.00	0.00	-	-	<50	-	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	05/06/2002	10.54	4.26	6.28	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	08/29/2002	10.54	4.78	5.76	0.00	0.00	-	-	<50	-	<0.50	<0.50	<0.50	1.8	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	11/25/2002	10.54	4.93	5.61	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	02/05/2003	10.54	4.11	6.43	0.00	0.00	-	-	<50	-	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	05/15/2003	10.54	4.09	6.45	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	08/14/2003 <sup>24</sup>	10.54	4.78	5.76	0.00	0.00	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	11/13/2003	10.54	4.69	5.85	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	02/12/2004 <sup>24</sup>	10.54	4.15	6.39	0.00	0.00	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	05/13/2004	10.54	4.30	6.24	0.00	0.00	<50 <sup>23</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	08/12/2004 <sup>24</sup>	10.54	4.76	5.78	0.00	0.00	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	11/11/2004	10.54	5.18	5.36	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	02/10/2005 <sup>24</sup>	10.54	3.96	6.58	0.00	0.00	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	05/12/2005	10.54	3.87	6.67	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	08/11/2005 <sup>24</sup>	10.54	4.49	6.05	0.00	0.00	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



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GROUNDWATER MONITORING AND SAMPLING DATA  
 CHEVRON SERVICE STATION 90290  
 1802 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCS						ADDITIONAL						METALS							
							TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	Motor Oil	B	T	E	X	MTBE by SW8021	MTBE by SW8260	TOG	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc			
Units	ft	ft-amsl	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
B-7	11/10/2005	10.54	4.51	6.03	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	02/09/2006 <sup>24</sup>	10.54	3.75	6.79	0.00	0.00	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-7	05/11/2006	10.54	3.72	6.82	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	08/10/2006 <sup>24</sup>	10.54	4.83	5.71	0.00	0.00	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-7	11/09/2006	10.54	5.12	5.42	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	02/08/2007 <sup>24</sup>	10.54	4.81	5.73	0.00	0.00	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-7	05/10/2007	10.54	4.65	5.89	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-7	08/08/2007 <sup>24</sup>	10.54	4.96	5.58	0.00	0.00	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-7	11/07/2007	10.54	5.21	5.33	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	02/13/2008 <sup>24</sup>	10.54	4.03	6.51	0.00	0.00	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-7	05/14/2008	10.54	4.46	6.08	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	08/13/2008 <sup>24</sup>	10.54	4.91	5.63	0.00	0.00	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-7	11/12/2008	10.54	4.85	5.69	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	02/11/2009 <sup>24</sup>	10.54	4.65	5.89	0.00	0.00	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-7	05/11/2009	10.54	6.18	4.36	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	08/27/2009	10.54	5.02	5.52	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-7	11/10/2009	10.54	4.70	5.84	0.00	0.00	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-7	05/19/2010	10.54	4.68	5.86	0.00	0.00	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	9	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-7	12/01/2010	10.54	5.25	5.29	0.00	0.00	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-7	05/03/2011	10.54	4.60	5.94	0.00	0.00	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-7	12/01/2011	10.54	5.52	5.02	0.00	0.00	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-7	06/14/2012	10.54	5.01	5.53	0.00	0.00	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-7	11/13/2012	10.54	5.29	5.25	0.00	0.00	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-8	04/23/1993	11.99	5.36	6.63	0.00	0.00	-	-	<50	-	<0.5	<0.5	<0.5	<1.5	-	-	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-8	07/19/1993	11.99	6.22	5.77	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<1.5	-	-	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-8	10/19/1993	11.99	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-8	01/07/1994	11.99	6.30	5.69	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-8	08/18/1994	11.99	6.43	5.56	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-8	11/30/1994	11.99	5.46	6.53	0.00	0.00	120 <sup>1</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-8	02/15/1995	11.99	4.72	7.27	0.00	0.00	120 <sup>1</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 CHEVRON SERVICE STATION 90290  
 1802 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCs						ADDITIONAL						METALS														
							TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	Motor Oil	B	T	E	X	MTBE by SW8021	MTBE by SW8260	TOG	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc										
	Units	ft	ft-anstl	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L				
B-8	05/01/1995	11.99	5.00	6.99	0.00	0.00	51 <sup>3</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
B-8	08/04/1995	11.99	5.92	6.07	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B-8	11/30/1998	11.99	5.54	6.45	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B-9	04/23/1993	10.70	4.56	6.14	0.00	0.00	-	-	<50	-	<0.5	<0.5	<0.5	<1.5	-	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-9	07/19/1993	10.70	5.45	5.25	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<1.5	-	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-9	10/19/1993	10.70	5.89	4.81	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-9	01/07/1994	10.70	5.41	5.29	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-9	08/18/1994	10.70	5.55	5.15	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-9	11/30/1994	10.70	4.35	6.35	0.00	0.00	60 <sup>1</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-9	02/15/1995	10.70	3.65	7.05	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-9	05/01/1995	10.70	4.29	6.41	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-9	08/04/1995	10.70	5.20	5.50	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	11/29/1995	11.42	6.51	4.91	0.00	0.00	900 <sup>3</sup>	-	1,700	-	95	<2.5	69	170	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	02/08/1996	11.42	4.55	6.87	0.00	0.00	650 <sup>3</sup>	-	230	-	31	<0.5	7.2	6.2	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	05/08/1996	11.42	5.55	5.87	0.00	0.00	570 <sup>3</sup>	-	260	-	61	0.59	37	23	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	08/23/1996	11.42	6.19	5.23	0.00	0.00	700 <sup>3</sup>	-	320	-	34	<0.5	29	15	-	8.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	12/12/1996	11.42	5.83	5.59	0.00	0.00	990 <sup>3</sup>	-	1,600	-	94	<2.5	110	27	-	<12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	02/10/1997	11.42	4.58	6.84	0.00	0.00	530 <sup>3</sup>	-	2,100	-	230	5.6	130	83	-	<12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	05/01/1997	11.42	5.57	5.85	0.00	0.00	770 <sup>3</sup>	-	2,300	-	110	<2.5	140	49	-	<12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	08/05/1997	11.42	6.30	5.12	0.00	0.00	620 <sup>3</sup>	-	650	-	33	1.1	70	16	-	3.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	10/28/1997	11.42	6.18	5.24	0.00	0.00	310 <sup>3</sup>	-	740	-	25	1.6	53	14	-	6.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	02/04/1998	11.42	2.89	8.53	0.00	0.00	250 <sup>3</sup>	-	950	-	23	4.5	<0.5	1.9	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	06/03/1998	11.42	4.80	6.62	0.00	0.00	490 <sup>3</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	07/29/1998	11.42	5.65	5.77	0.00	0.00	390 <sup>3</sup>	-	290	-	3.9	<0.5	8.5	1.4	-	<2.5	-	-	630,000	740	34,000	16,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	11/30/1998	11.42	5.62	5.80	0.00	0.00	437	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	7.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	02/24/1999	11.42	4.23	7.19	0.00	0.00	259 <sup>3</sup>	-	160	-	35	0.55	0.64	0.64	-	9.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	05/06/1999	11.42	5.11	6.31	0.00	0.00	190 <sup>3</sup>	-	490	-	7.05	1.02	8.24	2.18	-	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	08/30/1999	11.42	6.36	5.06	0.00	0.00	330 <sup>3</sup>	-	205	-	1.79	0.808	5.55	2.16	-	3.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	11/17/1999	11.42	5.94	5.48	0.00	0.00	2,180 <sup>3</sup>	-	108	-	1.2	<0.5	1.2	<0.5	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



TABLE 1

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 CHEVRON SERVICE STATION 90290  
 1802 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCs						ADDITIONAL						METALS									
							TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	Motor Oil	B	T	E	X	MTBE by SW8021	MTBE by SW8260	TOG	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc					
	Units	ft	ft-ansl	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
B-10	02/21/2000	11.42	4.35	7.07	0.00	0.00	360 <sup>3</sup>	-	587	-	17.6	2.92	10.1	4.61	-	5.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	05/08/2000	11.42	5.43	5.99	0.00	0.00	320 <sup>11</sup>	-	380 <sup>9</sup>	-	5.4	2.6	3.2	6.3	-	9.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	08/08/2000	11.42	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	11/01/2000	11.42	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	02/12/2001 <sup>16</sup>	11.42	5.33	6.09	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	05/14/2001	11.42	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	08/13/2001	11.42	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	11/12/2001	11.42	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	02/04/2002 <sup>20</sup>	11.42	5.24	6.18	0.00	0.00	340	-	100	-	1.8	<0.50	0.57	<1.5	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	05/06/2002	11.42	5.42	6.00	0.00	0.00	1,000	-	86	-	1.4	<0.50	<0.50	<1.5	-	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	08/29/2002	11.42	6.63	4.79	0.00	0.00	650	-	120	-	<0.50	<0.50	<0.50	<1.5	-	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	11/25/2002	11.42	6.10	5.32	0.00	0.00	1,200	-	77	-	<0.50	<0.50	<0.50	<1.5	-	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	02/05/2003	11.42	5.23	6.19	0.00	0.00	650	-	190	-	<2.0	<0.50	<0.50	<1.5	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	05/15/2003	11.42	5.26	6.16	0.00	0.00	750	-	150	-	1.2	<0.5	<0.5	<1.5	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	08/14/2003 <sup>24</sup>	11.42	6.39	5.03	0.00	0.00	230 <sup>23</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	38	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	11/13/2003 <sup>24</sup>	11.42	6.25	5.17	0.00	0.00	1,000	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	52	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	02/12/2004 <sup>24</sup>	11.42	5.10	6.32	0.00	0.00	810	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	30	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	05/13/2004 <sup>24</sup>	11.42	5.67	5.75	0.00	0.00	71 <sup>23</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	33	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	08/12/2004 <sup>24</sup>	11.42	6.30	5.12	0.00	0.00	460	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	30	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	11/11/2004 <sup>24</sup>	11.42	6.77	4.65	0.00	0.00	350	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	30	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	02/10/2005 <sup>24</sup>	11.42	4.82	6.60	0.00	0.00	580	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	27	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	05/12/2005 <sup>24</sup>	11.42	5.04	6.38	0.00	0.00	160 <sup>26</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	21	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	08/11/2005 <sup>24</sup>	11.42	5.72	5.70	0.00	0.00	130 <sup>27</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	18	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	11/10/2005 <sup>24</sup>	11.42	5.52	5.90	0.00	0.00	89 <sup>27</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	22	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	02/09/2006 <sup>24</sup>	11.42	4.64	6.78	0.00	0.00	320 <sup>27</sup>	-	81	-	<0.5	<0.5	<0.5	<0.5	-	16	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	05/11/2006 <sup>24</sup>	11.42	4.98	6.44	0.00	0.00	430	-	180	-	<0.5	<0.5	<0.5	0.5	-	19	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	08/10/2006 <sup>24</sup>	11.42	5.78	5.64	0.00	0.00	210	-	<50	-	<0.5	<0.5	0.6	<0.5	-	12	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	11/09/2006 <sup>24</sup>	11.42	6.09	5.33	0.00	0.00	980	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	11	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	02/08/2007 <sup>24</sup>	11.42	5.65	5.77	0.00	0.00	340	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	13	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	05/10/2007 <sup>24</sup>	11.42	5.51	5.91	0.00	0.00	90	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	10	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	08/08/2007 <sup>24</sup>	11.42	6.03	5.39	0.00	0.00	120	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	7	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 CHEVRON SERVICE STATION 90290  
 1802 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCs					ADDITIONAL					METALS												
							TPH-DRO	TPH-DRO w/ Si Gel	TPH-CRO	Motor Oil	B	T	E	X	MTBE by SW8021	MTBE by SW8260	TOG	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc						
	Units	ft	ft-amsl	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
B-10	11/07/2007 <sup>24</sup>	11.42	6.30	5.12	0.00	0.00	250	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	7	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-10	02/13/2008 <sup>24</sup>	11.42	4.71	6.71	0.00	0.00	510	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	4	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-10	05/14/2008 <sup>24</sup>	11.42	5.68	5.74	0.00	0.00	140	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	6	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-10	08/13/2008 <sup>24</sup>	11.42	6.01	5.41	0.00	0.00	520	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-10	11/12/2008 <sup>24</sup>	11.42	5.90	5.52	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	7	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-10	02/11/2009 <sup>24</sup>	11.42	5.89	5.53	0.00	0.00	85	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	8	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-10	05/11/2009	11.42	6.03	5.39	0.00	0.00	140	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	10	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-10	08/27/2009	11.42	6.06	5.36	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-10	11/10/2009	11.42	5.72	5.70	0.00	0.00	560	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	12	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-10	05/19/2010	11.42	5.72	5.70	0.00	0.00	580	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	9	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-10	12/01/2010	11.42	6.02	5.40	0.00	0.00	82 J	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-10	05/03/2011	11.42	5.43	5.99	0.00	0.00	-	<50	<50	-	<0.5	<0.5	<0.5	<0.5	-	4	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-10	12/01/2011	11.42	6.72	4.70	0.00	0.00	-	<160	<50	-	<0.5	<0.5	<0.5	<0.5	-	3	-	65 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-10	06/14/2012	11.42	5.98	5.44	0.00	0.00	-	<50	<50	-	<0.5	<0.5	<0.5	<0.5	-	5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-10	11/13/2012	11.42	6.34	5.08	0.00	0.00	-	<50	<50	-	<0.5	<0.5	<0.5	<0.5	-	5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	11/29/1995	11.98	5.90	6.08	0.00	0.00	1,400 <sup>3</sup>	-	2,800	-	38	<10	26	48	-	21,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	02/08/1996	11.98	4.44	7.54	0.00	0.00	1,100 <sup>3</sup>	-	<5,000	-	<50	<50	<50	<50	-	38,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	05/08/1996	11.98	5.00	6.98	0.00	0.00	1,300 <sup>3</sup>	-	4,100	-	110	<10	31	25	-	17,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	08/23/1996	11.98	5.61	6.37	0.00	0.00	820 <sup>3</sup>	-	3,400	-	160	12	41	13	-	4,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	12/12/1996	11.98	5.13	6.85	0.00	0.00	1,300 <sup>3</sup>	-	3,700	-	120	12	<5.0	30	-	2,200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	02/10/1997	11.98	4.07	7.91	0.00	0.00	810 <sup>3</sup>	-	2,300	-	56	17	<5.0	20	-	4,700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	05/01/1997	11.98	5.03	6.95	0.00	0.00	820 <sup>3</sup>	-	<5,000	-	<50	<50	<50	<50	-	21,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	08/05/1997	11.98	5.60	6.38	0.00	0.00	900 <sup>3</sup>	-	3,500	-	42	<10	<10	<10	-	4,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	10/28/1997	11.98	5.68	6.30	0.00	0.00	1,300 <sup>3</sup>	-	3,000	-	39	6.2	8.0	13	-	2,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	02/04/1998	11.98	2.59	9.39	0.00	0.00	930 <sup>3</sup>	-	1,300	-	3.2	1.4	<0.5	5.0	-	46,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	06/03/1998	11.98	4.45	7.53	0.00	0.00	740 <sup>3</sup>	-	860	-	3.7	1.4	0.84	3.0	-	34,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	07/29/1998	11.98	5.18	6.80	0.00	0.00	1,400 <sup>3</sup>	-	1,300	-	6.9	2.5	3.8	2.0	-	50000 / 41000 <sup>b</sup>	-	-	460,000	1,100	33,000	18,000	-	-	-	-	-	-	-	-	-	-	
B-11	11/30/1998	11.98	5.07	6.91	0.00	0.00	1,020	-	<1,000	-	<10	<10	<10	<10	-	5,370	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	02/24/1999	11.98	4.19	7.79	0.00	0.00	2,290 <sup>3</sup>	-	690	-	4.7	<0.5	2.7	3.1	-	67,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	05/06/1999	11.98	4.55	7.43	0.00	0.00	580 <sup>3</sup>	-	423	-	4.66	0.662	<0.5	1.38	-	20,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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GROUNDWATER MONITORING AND SAMPLING DATA  
 CHEVRON SERVICE STATION 90290  
 1802 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCs						ADDITIONAL						METALS										
							TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	Motor OH	B	T	E	X	MTBE by SW8021	MTBE by SW8260	TOG	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc						
	Units	ft	ft-amsl	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L			
B-11	08/30/1999	11.98	5.80	6.18	0.00	0.00	1,120 <sup>3</sup>	-	1,220	-	31	8.6	<5.0	14	-	10,900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B-11	11/17/1999	11.98	5.57	6.41	0.00	0.00	1,160 <sup>3</sup>	-	2,800	-	36.6	10.6	8.41	11.6	-	12,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B-11	02/21/2000	11.98	4.21	7.77	0.00	0.00	730 <sup>3</sup>	-	1,570	-	12.3	2.71	3.33	12.9	-	2,980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B-11	05/08/2000	11.98	4.94	7.04	0.00	0.00	220 <sup>15</sup>	-	<500	-	<5.0	<5.0	<5.0	<5.0	-	8,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	08/08/2000	11.98	5.19	6.79	0.00	0.00	660 <sup>13</sup>	-	2,900 <sup>10</sup>	-	51	<25	<25	38	-	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	11/01/2000	11.98	5.26	6.72	0.00	0.00	290 <sup>11</sup>	-	<5,000	-	<50	<50	<50	<50	-	29,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	02/12/2001	11.98	4.74	7.24	0.00	0.00	660 <sup>13</sup>	-	1,700 <sup>10</sup>	-	38	11	11	22	-	7,800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	05/14/2001	11.98	5.14	6.84	0.00	0.00	430 <sup>15</sup>	-	1,200 <sup>10</sup>	-	29	11	<10	<10	-	35,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	08/13/2001	11.98	5.65	6.33	0.00	0.00	910	-	<5,000	-	<50	<50	<50	<50	-	140,000 <sup>18</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	11/12/2001	11.98	5.66	6.32	0.00	0.00	1,400	-	3,100	-	14	6.1	8.7	23	-	6,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	02/04/2002	11.98	4.73	7.25	0.00	0.00	650	-	1,400	-	5.6	1.8	2.5	9.3	-	7,800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	05/06/2002	11.98	4.88	7.10	0.00	0.00	880	-	480	-	1.2	0.64	1.3	1.9	-	1,400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	08/29/2002	11.98	5.54	6.44	0.00	0.00	3,500	-	1,500	-	5.4	1.9	2.2	5.8	-	96,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	11/25/2002	11.98	5.54	6.44	0.00	0.00	3,700	-	1,200	-	2.7	1.0	1.4	7.0	-	45,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	02/05/2003	11.98	4.80	7.18	0.00	0.00	2,100	-	910	-	2.7	<2.5	<2.5	<7.5	-	46,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	05/15/2003	11.98	4.80	7.18	0.00	0.00	2,500	-	1,100	-	5.4	<2.5	4.5	11	-	78,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	08/14/2003 <sup>24</sup>	11.98	5.53	6.45	0.00	0.00	3,600 <sup>23</sup>	-	840	-	<50	<50	<50	<50	-	88,000	-	<5,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	11/13/2003 <sup>24</sup>	11.98	5.61	6.37	0.00	0.00	2,300	-	570	-	<10	<10	<10	<10	-	14,000	-	<1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	02/12/2004 <sup>24</sup>	11.98	4.70	7.28	0.00	0.00	4,400	-	310	-	<25	<25	<25	<25	-	29,000	-	<2,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	05/13/2004 <sup>24</sup>	11.98	5.03	6.95	0.00	0.00	410 <sup>23</sup>	-	480	-	<13	<13	<13	<13	-	100,000	-	<1,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	08/12/2004 <sup>24</sup>	11.98	5.42	6.56	0.00	0.00	3,600	-	850	-	<10	<10	<10	<10	-	83,000	-	<1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	11/11/2004 <sup>24</sup>	11.98	5.93	6.05	0.00	0.00	3,100	-	570	-	<10	<10	<10	<10	-	20,000	-	<1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	02/10/2005 <sup>24</sup>	11.98	4.56	7.42	0.00	0.00	12,000	-	320	-	<25	<25	<25	<25	-	49,000	-	<2,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	05/12/2005 <sup>24</sup>	11.98	4.58	7.40	0.00	0.00	1,900 <sup>26</sup>	-	400	-	<25	<25	<25	<25	-	42,000	-	<2,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-11	08/11/2005 <sup>24</sup>	11.98	5.16	6.82	0.00	0.00	12,000 <sup>28</sup>	-	320	-	<25	<25	<25	<25	-	36,000	-	<2,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-11	11/10/2005 <sup>24</sup>	11.98	5.08	6.90	0.00	0.00	1,200 <sup>27</sup>	-	57	-	<0.5	<0.5	<0.5	<0.5	-	1,400	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	02/09/2006 <sup>24</sup>	11.98	4.36	7.62	0.00	0.00	310 <sup>27</sup>	-	70	-	<3	<3	<3	<3	-	10,000	-	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	05/11/2006 <sup>24</sup>	11.98	4.59	7.39	0.00	0.00	740	-	250	-	<5	<5	<5	<5	-	19,000	-	<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	08/10/2006 <sup>24</sup>	11.98	6.09	5.89	0.00	0.00	6,600	-	2,000	-	<25	<25	<25	<25	-	94,000	-	<2,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	11/09/2006 <sup>24</sup>	11.98	5.51	6.47	0.00	0.00	10,000	-	620	-	<3	<3	<3	<3	-	9,900	-	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-11	02/08/2007 <sup>24</sup>	11.98	5.22	6.76	0.00	0.00	5,100	-	1,000	-	<10	<10	<10	<10	-	47,000	-	<1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	



TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 CHEVRON SERVICE STATION 90290  
 1802 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCs						ADDITIONAL					METALS								
							TPH-DRO	TPH-DRO w/ St Gel	TPH-GRO	Motor Oil	B	T	E	X	MTBE by SW8021	MTBE by SW8260	FOG	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc			
	Units	ft	ft-anst	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
B-11	05/10/2007 <sup>24</sup>	11.98	5.09	6.89	0.00	0.00	3,500	-	1,700	-	<5	<5	<5	<5	-	38,000	-	<500	-	-	-	-	-	-	-	-	-	-	-	-
B-11	08/08/2007 <sup>24</sup>	11.98	5.55	6.43	0.00	0.00	9,800	-	730	-	<25	<25	<25	<25	-	50,000	-	<2,500	-	-	-	-	-	-	-	-	-	-	-	-
B-11	11/07/2007 <sup>24</sup>	11.98	5.82	6.16	0.00	0.00	1,700	-	340	-	<0.5	<0.5	<0.5	1	-	680 <sup>30</sup>	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-11	02/13/2008 <sup>24</sup>	11.98	4.48	7.50	0.00	0.00	3,100	-	760	-	<3	<3	<3	<3	-	24,000	-	<250	-	-	-	-	-	-	-	-	-	-	-	-
B-11	05/14/2008 <sup>24</sup>	11.98	5.22	6.76	0.00	0.00	10,000	-	750	-	<10	<10	<10	<10	-	38,000	-	<1,000	-	-	-	-	-	-	-	-	-	-	-	-
B-11	08/13/2008 <sup>24</sup>	11.98	5.55	6.43	0.00	0.00	5,300	-	460	-	<5	<5	<5	<5	-	14,000	-	<500	-	-	-	-	-	-	-	-	-	-	-	-
B-11	11/12/2008 <sup>24</sup>	11.98	5.45	6.53	0.00	0.00	4,100	-	270	-	<0.5	<0.5	<0.5	<0.5	-	870	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-11	02/11/2009 <sup>24</sup>	11.98	5.36	6.62	0.00	0.00	8,800	-	520	-	<0.5	<0.5	<0.5	<0.5	-	3,000	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-11	05/11/2009	11.98	6.98	5.00	0.00	0.00	7,000	-	510	-	<1	<1	<1	<1	-	8,300	-	<130	-	-	-	-	-	-	-	-	-	-	-	-
B-11	08/27/2009	11.98	5.47	6.51	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-11	11/10/2009	11.98	5.37	6.61	0.00	0.00	8,100	-	620	-	<1	<1	<1	<1	-	4,200	-	<130	-	-	-	-	-	-	-	-	-	-	-	-
B-11	05/19/2010	11.98	5.26	6.72	0.00	0.00	4,000	-	610	-	<3	<3	<3	<3	-	8,700	-	<250	-	-	-	-	-	-	-	-	-	-	-	-
B-11	12/01/2010	11.98	5.75	6.23	0.00	0.00	4,400	-	480	-	10	<0.5	<0.5	<0.5	-	4,500	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-11	05/03/2011	11.98	5.07	6.91	0.00	0.00	-	1,600	570	-	<0.5	<0.5	<0.5	<0.5	-	2,700	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-11	12/01/2011	11.98	5.98	6.00	0.00	0.00	-	93 J	420	-	0.7 J	<0.5	<0.5	<0.5	-	790	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-11	06/14/2012	11.98	5.54	6.44	0.00	0.00	-	98 J	400	-	<0.5	<0.5	<0.5	<0.5	-	770	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-11	11/13/2012	11.98	5.91	6.07	0.00	0.00	-	54 J	190	-	<0.5	<0.5	<0.5	<0.5	-	1	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-12	11/29/1995	11.16	6.01	5.15	0.00	0.00	1,800 <sup>3</sup>	-	1,100	-	10	<10	<10	<10	-	37,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-12	02/08/1996	11.16	4.60	6.56	0.00	0.00	1,800 <sup>3</sup>	-	<20,000	-	<200	<200	<200	<200	-	88,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-12	05/08/1996	11.16	5.08	6.08	0.00	0.00	1,800 <sup>3</sup>	-	<25,000	-	<250	<250	<250	<250	-	88,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-12	08/23/1996	11.16	5.65	5.51	0.00	0.00	1,500 <sup>3</sup>	-	630	-	16	<5.0	<5.0	<5.0	-	420	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-12	12/12/1996	11.16	5.11	6.05	0.00	0.00	1,200 <sup>3</sup>	-	<25,000	-	<250	<250	<250	<250	-	54,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-12	02/10/1997 <sup>5</sup>	11.16	4.11	7.05	0.00	0.00	1,200 <sup>3</sup>	-	<20,000	-	<500 / <200	<500 / <200	<500 / <200	<500 / <200	-	65,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-12	05/01/1997	11.16	4.99	6.17	0.00	0.00	1,100 <sup>3</sup>	-	<12,500	-	<125	<125	<125	<125	-	64,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-12	08/05/1997	11.16	5.61	5.55	0.00	0.00	1,100 <sup>3</sup>	-	<10,000	-	<100	<100	<100	<100	-	46,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-12	10/28/1997	11.16	5.76	5.40	0.00	0.00	1,100 <sup>3</sup>	-	1,400	-	39	<5.0	7.2	6.0	-	29,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-12	02/04/1998	11.16	2.63	8.53	0.00	0.00	4,800 <sup>3</sup>	-	920	-	6.9	1.1	<0.5	2.8	-	59,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-12	06/03/1998	11.16	4.45	6.71	0.00	0.00	2,000 <sup>3</sup>	-	590	-	9.4	<0.5	0.93	<0.5	-	15,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-12	07/29/1998	11.16	5.25	5.91	0.00	0.00	2,200 <sup>3</sup>	-	820	-	5.6	2.0	3.3	1.2	-	28000 / 33000 <sup>6</sup>	-	-	700,000	450	<1,000	27,000	-	-	-	-	-	-	-	-
B-12	11/30/1998	11.16	5.13	6.03	0.00	0.00	1,060	-	2,110	-	<10	<10	<10	<10	-	5,330	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 CHEVRON SERVICE STATION 90290  
 1802 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCS				ADDITIONAL					METALS										
							TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	Motor OH	B	T	E	X	MTBE by SW8021	MTBE by SW8260	TOG	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc			
Units	ft	ft-amsl	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
B-12	02/24/1999	11.16	4.00	7.16	0.00	0.00	2,680 <sup>3</sup>	-	410	-	0.64	<0.5	2.2	2.3	-	15,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-12	05/06/1999	11.16	4.45	6.71	0.00	0.00	3,550 <sup>3</sup>	-	<500	-	<5.0	<5.0	<5.0	<5.0	-	1,370	<1,000	-	-	-	-	-	-	-	<10	86.7	<75	143	185	
B-12	08/30/1999	11.16	5.84	5.32	0.00	0.00	1,310 <sup>3</sup>	-	985	-	12.5	6.0	9.5	10.8	-	6,600	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-12	11/17/1999	11.16	5.43	5.73	0.00	0.00	1,060 <sup>3</sup>	-	1,700	-	14.4	5.99	5.98	<5.0	-	14,200	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-12	02/21/2000	11.16	4.31	6.85	0.00	0.00	430 <sup>3</sup>	-	595	-	3.49	<0.5	<0.5	4.26	-	5,100	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-12	05/08/2000	11.16	4.95	6.21	0.00	0.00	340 <sup>13</sup>	-	<500	-	<5.0	<5.0	<5.0	<5.0	-	2,100	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-12	08/08/2000	11.16	5.15	6.01	0.00	0.00	260 <sup>13</sup>	-	410 <sup>10</sup>	-	3.9	1.5	1.8	4.8	-	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-12	11/01/2000	11.16	5.31	5.85	0.00	0.00	130 <sup>11</sup>	-	660 <sup>9</sup>	-	6.0	1.9	2.8	2.9	-	4,600	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-12	02/12/2001	11.16	4.89	6.27	0.00	0.00	280 <sup>11</sup>	-	550 <sup>10</sup>	-	14	<5.0	5.0	<5.0	-	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-12	05/14/2001	11.16	5.11	6.05	0.00	0.00	280 <sup>13</sup>	-	770 <sup>10</sup>	-	7.6	5.0	0.80	4.8	-	1,400	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-12	08/13/2001	11.16	5.64	5.52	0.00	0.00	500	-	730 <sup>10</sup>	-	10	<5.0	6.1	<5.0	-	2,700	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-12	11/12/2001	11.16	5.76	5.40	0.00	0.00	900	-	1,700	-	2.2	1.1	7.6	9.2	-	1,400	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-12	02/04/2002	11.16	4.71	6.45	0.00	0.00	440	-	1,100	-	2.0	1.0	2.0	2.8	-	310	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-12	05/06/2002	11.16	4.88	6.28	0.00	0.00	340	-	660	-	<1.0	<1.0	<1.0	<1.0	-	96	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-12	08/29/2002	11.16	5.49	5.67	0.00	0.00	1,000	-	1,700	-	5.6	3.9	4.2	<15	-	530	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-12	11/25/2002	11.16	5.58	5.58	0.00	0.00	890	-	2,300	-	<5.0	1.8	3.5	<10	-	320	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-12	02/05/2003	11.16	4.76	6.40	0.00	0.00	770	-	1,600	-	<10	<2.5	<2.5	<7.5	-	270	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-12	05/15/2003	11.16	4.76	6.40	0.00	0.00	1,500	-	1,800	-	<2.5	<2.5	2.6	<7.5	-	280	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-12	08/14/2003 <sup>24</sup>	11.16	5.48	5.68	0.00	0.00	1,000 <sup>25</sup>	-	2,000	-	1	0.7	0.9	2	-	300	-	<50	-	-	-	-	-	-	-	-	-	-	-	
B-12	11/13/2003 <sup>24</sup>	11.16	5.68	5.48	0.00	0.00	390	-	790	-	<0.5	<0.5	1	1	-	36	-	<50	-	-	-	-	-	-	-	-	-	-	-	
B-12	02/12/2004 <sup>24</sup>	11.16	4.72	6.44	0.00	0.00	210	-	94	-	<0.5	<0.5	<0.5	<0.5	-	8	-	<50	-	-	-	-	-	-	-	-	-	-	-	
B-12	05/13/2004 <sup>24</sup>	11.16	4.92	6.24	0.00	0.00	60 <sup>23</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	2	-	<50	-	-	-	-	-	-	-	-	-	-	-	
B-12	08/12/2004 <sup>24</sup>	11.16	5.41	5.75	0.00	0.00	130	-	290	-	<0.5	<0.5	<0.5	<0.5	-	61	-	<50	-	-	-	-	-	-	-	-	-	-	-	
B-12	11/11/2004 <sup>24</sup>	11.16	5.90	5.26	0.00	0.00	160	-	180	-	<0.5	<0.5	<0.5	<0.5	-	5	-	<50	-	-	-	-	-	-	-	-	-	-	-	
B-12	02/10/2005 <sup>24</sup>	11.16	4.54	6.62	0.00	0.00	130	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	5	-	<50	-	-	-	-	-	-	-	-	-	-	-	
B-12	05/12/2005 <sup>24</sup>	11.16	4.57	6.59	0.00	0.00	150	-	160	-	<0.5	<0.5	<0.5	<0.5	-	5	-	<50	-	-	-	-	-	-	-	-	-	-	-	
B-12	08/11/2005 <sup>24</sup>	11.16	5.14	6.02	0.00	0.00	110	-	89	-	<0.5	<0.5	<0.5	<0.5	-	11	-	<50	-	-	-	-	-	-	-	-	-	-	-	
B-12	11/10/2005 <sup>24</sup>	11.16	5.11	6.05	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	5	-	<50	-	-	-	-	-	-	-	-	-	-	-	
B-12	02/09/2006 <sup>24</sup>	11.16	4.38	6.78	0.00	0.00	240 <sup>27</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	2	-	<50	-	-	-	-	-	-	-	-	-	-	-	
B-12	05/11/2006 <sup>24</sup>	11.16	4.57	6.59	0.00	0.00	100	-	250	-	<0.5	<0.5	<0.5	<0.5	-	3	-	<50	-	-	-	-	-	-	-	-	-	-	-	
B-12	08/10/2006 <sup>24</sup>	11.16	5.32	5.84	0.00	0.00	1,300	-	470	-	<0.5	<0.5	<0.5	0.6	-	20	-	<50	-	-	-	-	-	-	-	-	-	-	-	

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 CHEVRON SERVICE STATION 90290  
 1802 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCS						ADDITIONAL						METALS										
							TPH-DRO	TPH-DRO w/ St Gal	TPH-GRO	Motor Oil	B	T	E	X	MTBE by SW6021	MTBE by SW6260	FOG	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc						
	Units	ft	ft-ansi	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		
B-12	11/09/2006 <sup>24</sup>	11.16	5.58	5.58	0.00	0.00	580	-	1,300	-	<0.5	<0.5	<0.5	0.5	-	17	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-12	02/08/2007 <sup>24</sup>	11.16	5.30	5.86	0.00	0.00	97	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	1	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-12	05/10/2007 <sup>24</sup>	11.16	5.08	6.08	0.00	0.00	100	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	1	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-12	08/08/2007 <sup>24</sup>	11.16	5.60	5.56	0.00	0.00	480	-	1,300	-	0.9	<0.5	<0.5	0.9	-	45	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-12	11/07/2007 <sup>24</sup>	11.16	5.71	5.45	0.00	0.00	150	-	180	-	<0.5	<0.5	<0.5	<0.5	-	4	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-12	02/13/2008 <sup>24</sup>	11.16	4.45	6.71	0.00	0.00	290	-	59	-	<0.5	<0.5	<0.5	<0.5	-	2	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-12	05/14/2008 <sup>24</sup>	11.16	5.20	5.96	0.00	0.00	100	-	140	-	<0.5	<0.5	<0.5	<0.5	-	2	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-12	08/13/2008 <sup>24</sup>	11.16	5.60	5.56	0.00	0.00	3,400	-	970	-	<0.5	<0.5	0.6	0.7	-	74	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-12	11/12/2008 <sup>24</sup>	11.16	5.48	5.68	0.00	0.00	79	-	190	-	<0.5	<0.5	<0.5	<0.5	-	4	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-12	02/11/2009 <sup>24</sup>	11.16	5.41	5.75	0.00	0.00	70	-	100	-	<0.5	<0.5	<0.5	<0.5	-	3	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-12	05/11/2009	11.16	6.20	4.96	0.00	0.00	4,300	-	750	-	<0.5	<0.5	<0.5	<0.5	-	72	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-12	08/27/2009	11.16	5.80	5.36	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-12	11/10/2009	11.16	5.87	5.29	0.00	0.00	2,600	-	700	-	<0.5	<0.5	<0.5	<0.5	-	20	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-12	05/19/2010	11.16	5.34	5.82	0.00	0.00	3,700	-	1,600	-	0.7 J	<0.5	<0.5	0.7 J	-	44	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-12	12/01/2010	11.16	5.80	5.36	0.00	0.00	4,700	-	1,100	-	0.9 J	<0.5	<0.5	<0.5	-	49	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-12	05/03/2011	11.16	5.07	6.09	0.00	0.00	-	1,200	870	-	2	0.6 J	0.6 J	0.7 J	-	29	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-12	12/01/2011	11.16	6.18	4.98	0.00	0.00	-	140	1,600	-	1	<0.5	<0.5	<0.5	-	36	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-12	06/14/2012	11.16	5.57	5.59	0.00	0.00	-	220	1,500	-	0.9 J	0.6 J	0.5 J	0.6 J	-	34	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-12	11/13/2012	11.16	5.94	5.22	0.00	0.00	-	200	1,600	-	1 J	<0.5	<0.5	<0.5	-	23	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	11/29/1995	11.17	5.91	5.26	0.00	0.00	3,400 <sup>3</sup>	-	1,800	-	19	<5.0	5.5	<5.0	-	7,400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	02/08/1996	11.17	4.45	6.72	0.00	0.00	450 <sup>3</sup>	-	910	-	12	1.3	2.0	1.9	-	77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	05/08/1996	11.17	4.97	6.20	0.00	0.00	560 <sup>3</sup>	-	140	-	1.9	<0.5	0.88	2.0	-	98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	08/23/1996	11.17	5.63	5.54	0.00	0.00	1,300 <sup>3</sup>	-	1,300	-	<10	<10	<10	<10	-	450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	12/12/1996	11.17	5.26	5.91	0.00	0.00	1,300 <sup>3</sup>	-	2,600	-	29	5.4	9.40	6.3	-	230	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	02/10/1997	11.17	4.12	7.05	0.00	0.00	290 <sup>3</sup>	-	670	-	<0.5	6.7	2.6	5.6	-	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	05/01/1997	11.17	5.00	6.17	0.00	0.00	480 <sup>3</sup>	-	920	-	8.5	4.6	2.1	6.1	-	530	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	08/05/1997	11.17	5.65	5.52	0.00	0.00	1,300 <sup>3</sup>	-	1,900	-	23	<5.0	<5.0	<5.0	-	860	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	10/28/1997	11.17	5.68	5.49	0.00	0.00	2,200 <sup>3</sup>	-	2,400	-	33	14	8.4	10	-	2,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	02/04/1998	11.17	2.69	8.48	0.00	0.00	260 <sup>3</sup>	-	110	-	<0.5	<0.5	<0.5	<0.5	-	260	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	06/03/1998	11.17	4.38	6.79	0.00	0.00	480 <sup>3</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 CHEVRON SERVICE STATION 90290  
 1802 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCS						ADDITIONAL						METALS							
							TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	Motor Oil	B	T	E	X	MTBE by SW8021	MTBE by SW8260	TOC	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc			
	Units	ft	ft-amsl	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
B-13	07/29/1998	11.17	5.05	6.12	0.00	0.00	830 <sup>3</sup>	-	350	-	5.0	<0.5	0.67	1.2	-	730 / 980 <sup>6</sup>	-	-	290,000	240	5,600	17,000	-	-	-	-	-	-	-	-
B-13	11/30/1998	11.17	5.01	6.16	0.00	0.00	741	-	168	-	0.797	<0.5	<0.5	<0.5	-	114	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	02/24/1999	11.17	4.03	7.14	0.00	0.00	670 <sup>3</sup>	-	69	-	<0.5	<0.5	<0.5	<0.5	-	530	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	05/06/1999	11.17	4.45	6.72	0.00	0.00	540 <sup>3</sup>	-	<500	-	<5.0	<5.0	<5.0	<5.0	-	454	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	08/30/1999	11.17	5.74	5.43	0.00	0.00	927 <sup>3</sup>	-	748	-	13.7	<2.5	4.53	10.6	-	377	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	11/17/1999	11.17	5.59	5.58	0.00	0.00	1,310 <sup>3</sup>	-	1,240	-	24.6	8.96	<5.0	20.2	-	1,900	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	02/21/2000	11.17	4.24	6.93	0.00	0.00	200 <sup>3</sup>	-	443	-	2.11	0.908	1.89	2.89	-	254	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	05/08/2000	11.17	4.82	6.35	0.00	0.00	240 <sup>11</sup>	-	190 <sup>10</sup>	-	<0.50	0.68	1.7	1.1	-	190	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	08/08/2000	11.17	4.99	6.18	0.00	0.00	100 <sup>13</sup>	-	150 <sup>10</sup>	-	0.84	1.2	1.3	2.6	-	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	11/01/2000	11.17	5.21	5.96	0.00	0.00	290 <sup>14</sup>	-	560 <sup>9</sup>	-	4.9	1.4	4.7	11	-	1,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	02/12/2001	11.17	4.76	6.41	0.00	0.00	210 <sup>13</sup>	-	160 <sup>10</sup>	-	5.4	1.3	2.1	2.5	-	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	05/14/2001	11.17	4.98	6.19	0.00	0.00	130 <sup>11</sup>	-	240 <sup>10</sup>	-	3.7	2.2	0.92	3.2	-	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	08/13/2001	11.17	5.55	5.62	0.00	0.00	750	-	560 <sup>10</sup>	-	13	6.4	<5.0	<5.0	-	690	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	11/12/2001	11.17	5.71	5.46	0.00	0.00	2,100	-	3,500	-	9.2	8.1	16	25	-	700	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	02/04/2002	11.17	4.55	6.62	0.00	0.00	320	-	430	-	1.7	0.54	1.0	1.8	-	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	05/06/2002	11.17	4.73	6.44	0.00	0.00	430	-	<50	-	<0.50	<0.50	<0.50	<0.50	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	08/29/2002	11.17	5.35	5.82	0.00	0.00	1,600	-	660	-	<2.0	1.1	0.82	2.2	-	320	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	11/25/2002	11.17	5.48	5.69	0.00	0.00	1,600	-	1,800	-	3.3	2.8	4.4	<10	-	520	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	02/05/2003	11.17	4.61	6.56	0.00	0.00	550	-	410	-	1.1	0.60	<2.0	1.6	-	94	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	05/15/2003	11.17	4.58	6.59	0.00	0.00	760	-	250	-	<2.0	<0.5	0.9	<1.5	-	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	08/14/2003 <sup>24</sup>	11.17	5.33	5.84	0.00	0.00	1,200 <sup>23</sup>	-	610	-	1	0.9	1	2	-	300	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-13	11/13/2003 <sup>24</sup>	11.17	5.56	5.61	0.00	0.00	1,500	-	810	-	0.6	0.5	1	1	-	63	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-13	02/12/2004 <sup>24</sup>	11.17	4.59	6.58	0.00	0.00	180	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	10	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-13	05/13/2004 <sup>24</sup>	11.17	4.75	6.42	0.00	0.00	<50 <sup>23</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	7	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-13	08/12/2004 <sup>24</sup>	11.17	5.26	5.91	0.00	0.00	260	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	8	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-13	11/11/2004 <sup>24</sup>	11.17	5.65	5.52	0.00	0.00	240	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	24	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-13	02/10/2005 <sup>24</sup>	11.17	4.40	6.77	0.00	0.00	150	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	4	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-13	05/12/2005 <sup>24</sup>	11.17	4.38	6.79	0.00	0.00	730 <sup>26</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	29	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-13	08/11/2005 <sup>24</sup>	11.17	5.08	6.09	0.00	0.00	440 <sup>28</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	4	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-13	11/10/2005 <sup>24</sup>	11.17	5.09	6.08	0.00	0.00	370 <sup>27</sup>	-	170	-	<0.5	<0.5	<0.5	<0.5	-	27	-	<50	-	-	-	-	-	-	-	-	-	-	-	-
B-13	02/09/2006 <sup>24</sup>	11.17	4.40	6.77	0.00	0.00	200 <sup>27</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	0.7	-	<50	-	-	-	-	-	-	-	-	-	-	-	-



TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 CHEVRON SERVICE STATION 90290  
 1802 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCs						ADDITIONAL						METALS								
							TPH-DRO	TPH-DRO as St Cel	TPH-CRO	Motor Oil	B	T	E	X	MTBE by SW8021	MTBE by SW8260	TOG	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc				
Units	ft	ft-ansl	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
B-13	05/11/2006 <sup>24</sup>	11.17	4.50	6.67	0.00	0.00	120	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-13	08/10/2006 <sup>24</sup>	11.17	5.21	5.96	0.00	0.00	1,200	-	92	-	<0.5	<0.5	<0.5	<0.5	-	5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
B-13	11/09/2006 <sup>24</sup>	11.17	5.49	5.68	0.00	0.00	1,500	-	530	-	<0.5	<0.5	0.6	0.8	-	14	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
B-13	02/08/2007 <sup>24</sup>	11.17	5.19	5.98	0.00	0.00	790	-	68	-	<0.5	<0.5	<0.5	<0.5	-	14	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
B-13	05/10/2007 <sup>24</sup>	11.17	5.02	6.15	0.00	0.00	530	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	6	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
B-13	08/08/2007 <sup>24</sup>	11.17	5.51	5.66	0.00	0.00	330	-	140	-	<0.5	<0.5	<0.5	<0.5	-	4	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
B-13	11/07/2007 <sup>24</sup>	11.17	5.73	5.44	0.00	0.00	400	-	250	-	<0.5	<0.5	<0.5	<0.5	-	4	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
B-13	02/13/2008 <sup>24</sup>	11.17	4.33	6.84	0.00	0.00	200	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	2	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
B-13	05/14/2008 <sup>24</sup>	11.17	5.10	6.07	0.00	0.00	800	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	2	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
B-13	08/13/2008 <sup>24</sup>	11.17	5.49	5.68	0.00	0.00	1,700	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	2	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
B-13	11/12/2008 <sup>24</sup>	11.17	5.37	5.80	0.00	0.00	2,000	-	500	-	<0.5	<0.5	<0.5	1	-	13	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
B-13	02/11/2009 <sup>24</sup>	11.17	5.30	5.87	0.00	0.00	1,400	-	980	-	0.6	0.7	1	2	-	15	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
B-13	05/11/2009	11.17	6.37	4.80	0.00	0.00	260	-	230	-	<0.5	<0.5	<0.5	0.8 J	-	5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
B-13	08/27/2009	11.17	5.43	5.74	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-13	11/10/2009	11.17	5.48	5.69	0.00	0.00	1,600	-	1,900 J	-	2	2	2	4	-	46	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
B-13	05/19/2010	11.17	5.32	5.85	0.00	0.00	2,200	-	2,600 J	-	3	4	4	9	-	30	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
B-13	12/01/2010	11.17	5.70	5.47	0.00	0.00	3,400	-	4,100	-	5	6	6	20	-	39	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
B-13	05/03/2011	11.17	5.00	6.17	0.00	0.00	-	630	820	-	2	2	2	3	-	10	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
B-13	12/01/2011	11.17	5.91	5.26	0.00	0.00	-	180	4,500	-	3 J	5 J	4 J	9	-	29	-	<250	-	-	-	-	-	-	-	-	-	-	-	-	
B-13	06/14/2012	11.17	5.47	5.70	0.00	0.00	-	250	1,900	-	2	2	4	6	-	8	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
B-13	11/13/2012	11.17	5.85	5.32	0.00	0.00	-	440	5,000	-	3	5	5	16	-	25	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	
B-14	08/29/2002 <sup>21</sup>	9.54	4.42	5.12	0.00	0.00	930	-	<50	-	<0.50	<0.50	<0.50	<1.5	-	1,400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-14	11/25/2002	9.54	4.40	5.14	0.00	0.00	1,200	-	<50	-	<0.50	<0.50	<0.50	<1.5	-	1,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-14	02/05/2003	9.54	3.98	5.56	0.00	0.00	580	-	<50	-	<0.50	<0.50	<0.50	<1.5	-	1,400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-14	05/15/2003	9.54	3.85	5.69	0.00	0.00	1,000	-	<50	-	<0.5	<0.5	<0.5	<1.5	-	1,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-14	08/14/2003 <sup>24</sup>	9.54	4.47	5.07	0.00	0.00	<250 <sup>23</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	1,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-14	11/13/2003 <sup>24</sup>	9.54	4.50	5.04	0.00	0.00	1,800	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	530	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-14	02/12/2004 <sup>24</sup>	9.54	3.98	5.56	0.00	0.00	2,000	-	59	-	<0.5	<0.5	<0.5	<0.5	-	1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-14	05/13/2004 <sup>24</sup>	9.54	4.07	5.47	0.00	0.00	390 <sup>23</sup>	-	<50	-	<1	<1	<1	<1	-	1,800	-	<100	-	-	-	-	-	-	-	-	-	-	-	-	
B-14	08/12/2004 <sup>24</sup>	9.54	4.28	5.26	0.00	0.00	750	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	1,100	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 CHEVRON SERVICE STATION 90290  
 1802 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCs					ADDITIONAL					METALS											
							IPH-DRO	IPH-DRO w/ Si Gel	IPH-GRO	Motor OH	B	T	E	X	MTBE by SW8021	MTBE by SW8260	TOC	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc					
	Units	ft	ft-ansl	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
B-14	11/11/2004 <sup>21</sup>	9.54	4.78	4.76	0.00	0.00	2,100	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	910	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-14	02/10/2005 <sup>24</sup>	9.54	3.72	5.82	0.00	0.00	2,500	-	78	-	<1	<1	<1	<1	-	1,600	-	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-14	05/12/2005 <sup>24</sup>	9.54	3.80	5.74	0.00	0.00	700 <sup>26</sup>	-	72	-	<0.5	<0.5	<0.5	<0.5	-	1,900	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-14	08/11/2005 <sup>24</sup>	9.54	4.03	5.51	0.00	0.00	1,500 <sup>27</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	830	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-14	11/10/2005 <sup>24</sup>	9.54	3.98	5.56	0.00	0.00	1,200 <sup>27</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	480	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-14	02/09/2006 <sup>24</sup>	9.54	3.70	5.84	0.00	0.00	1,600 <sup>27</sup>	-	52	-	<0.5	<0.5	<0.5	<0.5	-	230	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-14	05/11/2006 <sup>24</sup>	9.54	3.77	5.77	0.00	0.00	3,400	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	190	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-14	08/10/2006 <sup>24</sup>	9.54	4.27	5.27	0.00	0.00	1,700	-	53	-	<0.5	<0.5	<0.5	<0.5	-	440	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-14	11/09/2006 <sup>24</sup>	9.54	4.20	5.34	0.00	0.00	1,400	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	84	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-14	02/08/2007 <sup>24</sup>	9.54	4.18	5.36	0.00	0.00	1,100	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	7	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-14	05/10/2007 <sup>24</sup>	9.54	4.09	5.45	0.00	0.00	910	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	150	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-14	08/08/2007 <sup>24</sup>	9.54	4.31	5.23	0.00	0.00	330	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	94	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-14	11/07/2007 <sup>24</sup>	9.54	4.40	5.14	0.00	0.00	240	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	50	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-14	02/13/2008 <sup>24</sup>	9.54	3.53	6.01	0.00	0.00	520	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	2	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-14	05/14/2008 <sup>24</sup>	9.54	4.08	5.46	0.00	0.00	280	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	20	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-14	08/13/2008 <sup>24</sup>	9.54	4.27	5.27	0.00	0.00	180	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	28	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-14	11/12/2008 <sup>24</sup>	9.54	4.18	5.36	0.00	0.00	57	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	12	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-14	02/11/2009 <sup>24</sup>	9.54	4.11	5.43	0.00	0.00	390	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	8	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-14	05/11/2009	9.54	5.40	4.14	0.00	0.00	980	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	19	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-14	08/27/2009	9.54	4.87	4.67	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-14	11/10/2009	9.54	4.10	5.44	0.00	0.00	430	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	21	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-14	05/19/2010	9.54	4.52	5.02	0.00	0.00	560	-	110	-	<0.5	<0.5	<0.5	<0.5	-	4	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-14	12/01/2010	9.54	4.60	4.94	0.00	0.00	170 J	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	16	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-14	05/03/2011	9.54	4.30	5.24	0.00	0.00	-	160	<50	-	<0.5	<0.5	<0.5	<0.5	-	8	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-14	12/01/2011	9.54	4.92	4.62	0.00	0.00	-	430	<50	-	<0.5	<0.5	<0.5	<0.5	-	7	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-14	06/14/2012	9.54	4.35	5.19	0.00	0.00	-	<50	<50	-	<0.5	<0.5	<0.5	<0.5	-	9	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-14	11/13/2012	9.54	4.56	4.98	0.00	0.00	-	<50	<50	-	<0.5	<0.5	<0.5	<0.5	-	9	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-15	08/29/2002 <sup>21</sup>	9.43	4.18	5.25	0.00	0.00	<130	-	<50	-	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-15	11/25/2002	9.43	4.21	5.22	0.00	0.00	<50	-	<50	-	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-15	02/05/2003	9.43	3.57	5.86	0.00	0.00	<50	-	<50	-	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 CHEVRON SERVICE STATION 90290  
 1802 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCS						ADDITIONAL						METALS													
							TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	Motor Oil	B	T	E	X	MTBE by SW8021	MTBE by SW8260	TOG	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc									
	Units	ft	ft-anst	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L				
B-15	05/15/2003	9.43	3.55	5.88	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<1.5	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
B-15	08/14/2003 <sup>24</sup>	9.43	4.13	5.30	0.00	0.00	<50 <sup>23</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
B-15	11/13/2003 <sup>24</sup>	9.43	4.29	5.14	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
B-15	02/12/2004 <sup>24</sup>	9.43	3.59	5.84	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
B-15	05/13/2004 <sup>24</sup>	9.43	3.81	5.62	0.00	0.00	<50 <sup>23</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B-15	08/12/2004 <sup>24</sup>	9.43	4.21	5.22	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B-15	11/11/2004 <sup>24</sup>	9.43	4.64	4.79	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B-15	02/10/2005 <sup>24</sup>	9.43	3.41	6.02	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B-15	05/12/2005 <sup>24</sup>	9.43	3.35	6.08	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B-15	08/11/2005 <sup>24</sup>	9.43	3.87	5.56	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B-15	11/10/2005 <sup>24</sup>	9.43	3.90	5.53	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
B-15	02/09/2006 <sup>24</sup>	9.43	3.52	5.91	0.00	0.00	150 <sup>27</sup>	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-15	05/11/2006 <sup>24</sup>	9.43	3.47	5.96	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-15	08/10/2006 <sup>24</sup>	9.43	4.12	5.31	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-15	11/09/2006 <sup>24</sup>	9.43	4.17	5.26	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-15	02/08/2007 <sup>24</sup>	9.43	4.08	5.35	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-15	05/10/2007 <sup>24</sup>	9.43	4.01	5.42	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-15	08/08/2007 <sup>24</sup>	9.43	4.15	5.28	0.00	0.00	50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-15	11/07/2007 <sup>24</sup>	9.43	4.33	5.10	0.00	0.00	250	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-15	02/13/2008 <sup>24</sup>	9.43	3.51	5.92	0.00	0.00	67	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-15	05/14/2008 <sup>24</sup>	9.43	3.87	5.56	0.00	0.00	110	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-15	08/13/2008 <sup>24</sup>	9.43	4.16	5.27	0.00	0.00	170	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-15	11/12/2008 <sup>24</sup>	9.43	4.10	5.33	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-15	02/11/2009 <sup>24</sup>	9.43	3.96	5.47	0.00	0.00	<50	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-15	05/11/2009	9.43	5.63	3.80	0.00	0.00	360	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-15	08/27/2009	9.43	4.19	5.24	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-15	11/10/2009	9.43	4.00	5.43	0.00	0.00	92 J	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-15	05/19/2010	9.43	4.36	5.07	0.00	0.00	660	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	9	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-15	12/01/2010	9.43	4.35	5.08	0.00	0.00	<33	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B-15	05/03/2011	9.43	3.86	5.57	0.00	0.00	-	<50	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-15	12/01/2011	9.43	4.62	4.81	0.00	0.00	-	<160	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**CHEVRON SERVICE STATION 90290**  
**1802 WEBSTER STREET**  
**ALAMEDA, CALIFORNIA**

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCS						ADDITIONAL						METALS								
							TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	Motor Oil	B	T	E	X	MTBE by SW8021	MTBE by SW8260	FOG	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc				
Units	ft	ft-amsl	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		
B-15	06/14/2012	9.43	4.24	5.19	0.00	0.00	-	<50	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
B-15	11/13/2012	9.43	4.51	4.92	0.00	0.00	-	<50	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	11/12/2001	-	-	-	-	-	-	<50	-	-	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	02/04/2002	-	-	-	-	-	-	<50	-	-	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	05/06/2002	-	-	-	-	-	-	<50	-	-	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	08/29/2002	-	-	-	-	-	-	<50	-	-	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	11/25/2002	-	-	-	-	-	-	<50	-	-	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	02/05/2003	-	-	-	-	-	-	<50	-	-	<0.50	<0.50	<0.50	<1.5	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	05/15/2003	-	-	-	-	-	-	<50	-	-	<0.5	<0.5	<0.5	<1.5	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	08/14/2003 <sup>24</sup>	-	-	-	-	-	-	<50	-	-	<0.5	<0.5	<0.5	<1.5	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	11/13/2003 <sup>24</sup>	-	-	-	-	-	-	<50	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	02/12/2004 <sup>24</sup>	-	-	-	-	-	-	<50	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	05/13/2004 <sup>24</sup>	-	-	-	-	-	-	<50	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	08/12/2004 <sup>24</sup>	-	-	-	-	-	-	<50	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	11/11/2004 <sup>24</sup>	-	-	-	-	-	-	<50	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	02/10/2005 <sup>24</sup>	-	-	-	-	-	-	<50	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	05/12/2005 <sup>24</sup>	-	-	-	-	-	-	<50	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	08/11/2005 <sup>24</sup>	-	-	-	-	-	-	<50	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	11/10/2005 <sup>24</sup>	-	-	-	-	-	-	<50	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	02/09/2006 <sup>24</sup>	-	-	-	-	-	-	<50	-	-	0.6 <sup>30</sup>	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	05/11/2006 <sup>24</sup>	-	-	-	-	-	-	<50	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	08/10/2006 <sup>24</sup>	-	-	-	-	-	-	<50	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	11/09/2006 <sup>24</sup>	-	-	-	-	-	-	<50	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	02/08/2007 <sup>24</sup>	-	-	-	-	-	-	<50	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	05/10/2007 <sup>24</sup>	-	-	-	-	-	-	<50	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	08/08/2007 <sup>24</sup>	-	-	-	-	-	-	<50	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	11/07/2007 <sup>24</sup>	-	-	-	-	-	-	<50	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	02/13/2008 <sup>24</sup>	-	-	-	-	-	-	<50	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	05/14/2008 <sup>24</sup>	-	-	-	-	-	-	<50	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	08/13/2008 <sup>24</sup>	-	-	-	-	-	-	<50	-	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 CHEVRON SERVICE STATION 90290  
 1802 WEBSTER STREET  
 ALAMEDA, CALIFORNIA

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCs				ADDITIONAL						METALS													
							IPH-DRO	IPH-DRO w/ Si Gel	IPH-GRO	Motor Oil	B	T	E	X	MTBE by SW8021	MTBE by SW8260	TOC	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc							
	Units	ft	ft-ansl	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L				
QA	11/12/2008 <sup>24</sup>	-	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
QA	02/11/2009 <sup>24</sup>	-	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
QA	05/11/2009	-	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
QA	11/10/2009	-	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
QA	05/19/2010	-	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
QA	12/01/2010	-	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
QA	05/03/2011	-	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
QA	12/01/2011	-	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
QA	06/14/2012	-	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
QA	11/13/2012	-	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trip Blank	01/06/1993	-	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	10/19/1993	-	-	-	-	-	-	-	<50	-	<0.5	0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	01/17/1994	-	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	08/18/1994	-	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	11/30/1994	-	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	02/15/1995	-	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	05/01/1995	-	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	08/04/1995	-	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	11/29/1995	-	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	02/08/1996	-	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	05/08/1996	-	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	08/23/1996	-	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	12/12/1996	-	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	02/10/1997	-	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	05/01/1997	-	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	08/05/1997	-	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	10/28/1997	-	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	02/04/1998	-	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	02/12/1998	-	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	06/03/1998	-	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**CHEVRON SERVICE STATION 90290**  
**1802 WEBSTER STREET**  
**ALAMEDA, CALIFORNIA**

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCs				ADDITIONAL					METALS										
							TPH-DRO	TPH-DRO av/ Si Cell	TPH-GRO	Motor Oil	B	T	E	X	MTBE by SW8021	MTBE by SW8260	TOC	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc			
	Units	ft	ft-amsl	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
Trip Blank	07/29/1998	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	11/30/1998	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	02/24/1999	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	05/06/1999	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	08/30/1999	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	11/17/1999	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	02/21/2000	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	05/08/2000	-	-	-	-	-	-	<50	-	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	08/08/2000	-	-	-	-	-	-	<50	-	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	11/01/2000	-	-	-	-	-	-	<50	-	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	02/12/2001	-	-	-	-	-	-	<50	-	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	05/14/2001	-	-	-	-	-	-	<50	-	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	08/13/2001	-	-	-	-	-	-	<50	-	<0.50	<0.50	<0.50	<0.50	-	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**Abbreviations and Notes:**

- TOC = Top of casing
- DTW = Depth to water
- GWE = Groundwater elevation
- SPHT = Separate phase hydrocarbon thickness
- (ft-amsl) = Feet above mean sea level
- ft = Feet
- µg/L = Micrograms per liter
- TPH-DRO = Total petroleum hydrocarbons - diesel range organics
- TPH-GRO = Total petroleum hydrocarbons - gasoline range organics
- VOCS = Volatile organic compounds
- B = Benzene
- T = Toluene
- E = Ethylbenzene
- X = Xylene
- MTBE = Methyl tert butyl ether
- TOG = Total oil and grease



**GROUNDWATER MONITORING AND SAMPLING DATA  
CHEVRON SERVICE STATION 90290  
1802 WEBSTER STREET  
ALAMEDA, CALIFORNIA**

Location	Date	TOC	DTW	GWE	SPHT	SPH REMOVED	HYDROCARBONS				PRIMARY VOCs				ADDITIONAL						METALS						
							TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	Motor Oil	B	T	E	X	MTBE by SW8021	MTBE by SW8260	TOG	Ethanol	Alkalinity	Ferrous Iron	Nitrate as Nitrite	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc
Units	ft	ft-nmsl	ft	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L

- = Not available / not applicable

<x = Not detected at or above laboratory method detection limit

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

\* TOC elevations were surveyed on September 26, 2002, by Virgil Chavez Land Surveying.

The benchmark for this survey was a brass disk in a monument well at the mid return of the northwest corner of Webster St. and Buena Vista Ave., (Benchmark Elevation = 11.09 feet NGVD 29).

\*\* GWE has been corrected due to the presence of SPH; correction factor: [(TOC - DTW) + (SPHT x 0.80)].

1 Chromatogram pattern indicates a non-diesel mix.

2 Analytical values are in parts per million (ppm).

3 Chromatogram pattern indicates an unidentified hydrocarbon.

4 Chromatogram pattern indicates an unidentified hydrocarbon and weathered diesel.

5 EPA Method 8240.

6 Confirmation run.

7 Hydrocarbon pattern appears to be weathered.

8 Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons >C10.

9 Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons C6-C12.

10 Laboratory report indicates gasoline C6-C12.

11 Laboratory report indicates unidentified hydrocarbons C9-C24.

12 Laboratory report indicates unidentified hydrocarbons >C16.

13 Laboratory report indicates unidentified hydrocarbons <C16.

14 Laboratory report indicates unidentified hydrocarbons C9-C40.

15 Laboratory report indicates unidentified hydrocarbons C6-C12.

16 Well obstructed by roots.

17 Laboratory report indicates TPH-G, B, T, E, X and MTBE was originally analyzed within holding time. Re-analysis for confirmation or dilution was performed past the recommended holding time.

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

19 Laboratory report indicates sample was run past holding time.

20 Obstruction in well at 11.46 feet.

21 Well development performed.

22 Laboratory report indicates the analysis was performed from a previously opened vial and the results are therefore estimated.