Roya C. Kambin
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 790-6270
RKambin@chevron.com

July 25, 2012

Alameda County Health Care Services Agency
Environmental Health Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Chevron Facility No. 351639 (Former Unocal Service Station No. 6129)
3420 35th Avenue, Oakland, California
ACEH Fuel Leak Case No. RO0000058
RWQCB Case No. 01-1590
GeoTracker Global ID T0600101465.

I have reviewed the attached report dated July 25, 2012.

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

This letter is submitted pursuant to the requirements of California Water Code Section 13257(b)(1) and the regulating implementation entitled Appendix A pertaining thereto.

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

Sincerely,

Roya Kambin
Project Manager

Attachment: *Second Quarter 2012 Semi-Annual Groundwater Monitoring Report* by AECOM Environment, Inc.

AECOM Environment
10461 Old Placerville Road, Suite 170
Sacramento, CA 95827
tel (916) 361-6400
fax (916) 361-6401

July 25, 2012

Mr. Keith Nowell
Alameda County Environmental Health (ACEH)
1131 Harbor Bay Parkway, Suite 250
Alameda CA 94502

Subject: Second Quarter 2012 Semi-Annual Groundwater Monitoring Report
Chevron Facility No. 351639 (Former Unocal Service Station No. 6129)
3420 35th Avenue, Oakland, California
Fuel Leak Case RO0000058

Dear Mr. Nowell,

On behalf of Chevron Environmental Management Company, for itself and as Attorney-in-Fact for Union Oil Company of California (hereinafter "EMC"), AECOM Environment, Inc. (AECOM) has been authorized by CEMC to prepare the second quarter 2012 semi-annual groundwater monitoring report for the site located at 3420 35th Avenue in Oakland, California (Site) (**Figure 1**). The locations of former and current site features are illustrated on **Figure 2**. Semi-annual groundwater monitoring is intended to evaluate the distribution of petroleum hydrocarbon constituents in groundwater beneath the site. Groundwater sampling was performed by TRC Solutions (TRC) of Irvine, California. This report summarizes sample results collected from the Site during the second quarter of 2012.

Site Background and History

In 1989, two 10,000-gallon gasoline underground storage tanks (USTs) and one 550-gallon waste oil UST were removed from the site. Low concentrations of petroleum hydrocarbons were present in soil samples below the former gasoline USTs, used-oil UST, and product piping. Four soil samples were taken under the USTs, one sample under the waste oil UST, and five samples under the product piping. The soil samples under the USTs contained total petroleum hydrocarbons (TPH) as gasoline (TPHg) at concentrations ranging from 1.8 to 10 parts per million (ppm). One of the piping samples had soil concentrations of TPHg at 3.5 feet below ground surface (bgs) of 690 ppm. This area was overexcavated to 7.5 feet bgs and soil samples were found to be non-detect for TPHg. The waste oil UST samples had low detections of TPH as diesel (TPHd) and total oil and grease (TOG).

There are currently two 12,000 gallon gasoline USTs in use and two dispenser islands. There is also one waste oil UST and three hydraulic lifts associated with the service bay.

In 1989, three monitoring wells (MW-1 through MW-3) were installed at the site to approximately 44 feet bgs. TPHg and benzene, toluene, ethylbenzene, and xylenes (BTEX) were only detected in MW-3 at 5 feet bgs. In 1990, four soil borings (EB-1 through EB-4)were advanced in the vicinity of MW-3 to define hydrocarbon impacts to soil. In April 1991, approximately 230 cubic yards of soil were excavated based on analytical data from the soil borings between the dispenser islands and MW-3 and around MW-3. Monitoring well MW-3 was not destroyed.

In November 2003, four soil borings (SB-1 and SB-3 to SB-5) were advanced to approximate depths of 31.5 to 36.5 feet bgs. Methyl tertiary butyl ether (MTBE) was detected at concentrations of 0.37 to 0.41 ppm at sample depths of 26 to 31 feet bgs. Groundwater was encountered at approximately 35 feet bgs.

In September 2006, six cone penetrometer testing (CPT) borings were completed, and no soil or groundwater samples were collected. In November 2006, five soil borings (B-2, B-7, B-8, B-9, and B-14) were advanced, four adjacent to the CPT borings. In December 2006, four soil borings (B-10, B-12, B-15, and B-16) were advanced. The reports concluded that soil and groundwater near the dispenser islands has been impacted and is migrating downgradient. The groundwater analytical data collected from the soil borings are consistent with historic site groundwater concentrations.

Groundwater Monitoring Field Data

Groundwater elevation data was recorded in three monitoring wells, MW-1 through MW-3, on May 24, 2012 (**Table 1**). Groundwater stabilization parameters including; temperature, pH, and electrical conductivity readings were collected during purging. Copies of the groundwater sampling/purge logs are included in **Attachment A**. The groundwater flow direction was calculated to flow to the east/southeast with an average hydraulic gradient of approximately 0.025 feet per foot (**Figure 2**). The depth to groundwater ranged from 25.95 to 26.58 feet below the top of well casings (162.63 to 164.83 feet above mean sea level). A summary of historical groundwater elevations is presented in **Attachment B**.

Groundwater Sampling and Analytical Results

Groundwater samples were collected from monitoring wells MW-1 through MW-3 on May 24, 2012. Laboratory analyses were performed by BC Laboratories, Inc. (BC Labs) of Bakersfield, California. The BC Labs analytical report dated June 1, 2012 is included as **Attachment C**. Samples were analyzed for the following analytes:

- BTEX by USEPA method 8260B;
- Total Purgeable Petroluem Hydrocarbons (TPPH)/TPHg by GC/MS;
- fuel oxygenates including MTBE, tertiary-amyl methyl ether (TAME), tertiary butyl alcohol (TBA), di-isopropyl ether (DIPE), and ethyl tertiary-butyl ether (ETBE), ethanol, ethylene dibromide (EDB), and 1,2-Dichloroethane (1,2-DCA or ethylene dichloride [EDC]) by USEPA method 8260B.

The monitoring event was coordinated with the adjacent former Exxon station number 70234. The results from the former Exxon sampling are included as **Attachment D**. **Figure 2** also includes the groundwater data for both sites.

Analytical results for this semi-annual groundwater monitoring event are consistent with previous reporting periods (**Table 1**). The following presents a brief summary of the analytical sample results:

- ETBE, TAME, EDB, 1,2-DCA, and ethanol, were not detected in any of the samples analyzed above the laboratory reporting limits.
- MTBE was detected in all three wells 190 µg/L in MW-1, 1,200 µg/L in MW-2, and 1,100 µg/L in MW-3, all are within historic concentration ranges.
- TBA was detected in all three wells from 66 to 430 µg/L.
- DIPE was detected in MW-2 at 8.8 µg/L.
- TPPH was detected in all wells from 140 to 1,000 µg/L.
- The laboratory report narrative, Attachment C, states that the TPPH detections in MW-1 and MW-3 do not exhibit a “gasoline” pattern and that TPPH is entirely due to MTBE.

A summary of historical groundwater analytical data is presented in **Attachment B.**

Approximately 27 gallons of groundwater were generated during purging activities. Purged water was removed from the site by TRC and transported to their field yard in Concord, CA for future disposal.

Conclusions and Recommendations

The sample results of the groundwater monitoring activities at the site indicate the following:

- No BTEX was detected.
- TPHg, MTBE, and detected oxygenate concentrations fluctuate seasonally but are generally stable or declining.
- Concentrations of TPHg and MTBE are generally higher at the upgradient former Exxon Service Station.

AECOM recommends continued semi-annual monitoring coordinated with the former Exxon Service Station 70234 and sampling to verify decreasing concentrations.

Future Activities

Groundwater Monitoring

AECOM will coordinate monitoring and sampling activities as per the established schedule. AECOM will submit semiannual groundwater monitoring and sampling reports.

Additional Activity

CRA submitted the *Conceptual Site Model and Well Installation Work* Plan on May 3, 2012. AECOM will install the two monitoring wells proposed by CRA following ACEH concurrence/approval.

Remarks/Signatures

The interpretations in this report represent our professional opinions and are based, in part, on the information supplied by the client. These opinions are based on currently available information and are arrived at in accordance with currently accepted hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied or intended.

If you have any questions regarding this project, please contact either of the undersigned at (916) 361-6400.

Sincerely,

James Harms
Project Manager

Tiina Couture, P.E.
Project Engineer

cc: Roya Kambin, CEMC (electronic)
Son Nguyen & Le Pham, Nguyen/Pham Family Trust, Property Owner

Tables

Table 1 Groundwater Monitoring and Sampling Data

Figures

Figure 1	Site Location Map
Figure 2	Groundwater Concentration Map

Attachments

Attachment A	May 24, 2012 Groundwater Data Field Sheets
Attachment B	Historic Groundwater Data
Attachment C	BC Laboratories Analytical Report
Attachment D	Former Exxon Station Groundwater Data

TABLE 1
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON # 351639/UNOCAL #6129
3420 35TH AVE., OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*												
Location	Date	*TOC*	*DTW*	*GWE*	*TPH - Gasoline*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*TBA*	*ETBE*	*DIPE*	*TAME*	*EDB*	*1,2-DCA*	*Ethanol*
	Units	*ft*	*ft*	*ft-amsl*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-1	05/27/2011	190.79	26.87	163.92	110	<0.50	<0.50	<0.50	<1.0	220	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	11/23/2011	190.79	29.14	161.65	110	<0.50	<0.50	<0.50	<1.0	150	41	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	05/24/2011	190.79	**26.58**	**164.21**	**140**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**190**	**66**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**
MW-2	05/27/2011	190.80	26.44	164.36	560	<0.50	<0.50	<0.50	<1.0	1,100	210	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	11/23/2011	190.80	28.53	162.27	830	<0.50	<0.50	<0.50	<1.0	1,500	400	<0.50	9.0	<0.50	<0.50	<0.50	<250
	05/24/2011	190.80	**25.97**	**164.83**	**1,000**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**1,200**	**430**	**<0.50**	**8.8**	**<0.50**	**<0.50**	**<0.50**	**<250**
MW-3	05/27/2011	188.58	26.53	162.05	340	<0.50	<0.50	<0.50	<1.0	890	73	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	11/23/2011	188.58	28.11	160.47	520	<0.50	<0.50	<0.50	<1.0	730	170	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	05/24/2011	188.58	**25.95**	**162.63**	**660**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**1,100**	**300**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**

TABLE 1
GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON # 351639/UNOCAL #6129
3420 35TH AVE., OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*												
Location	Date	*TOC*	*DTW*	*GWE*	*TPH - Gasoline*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*TBA*	*ETBE*	*DIPE*	*TAME*	*EDB*	*1,2-DCA*	*Ethanol*
	Units	*ft*	*ft*	*ft-amsl*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*

Abbreviations and Notes:

TOC = Top of Casing

DTW = Depth to Water

GWE = Groundwater elevation

(ft-amsl) = Feet Above Mean sea level

ft = Feet

µg/L = Micrograms per Liter

TPH - Total Petroleum Hydrocarbons

VOCS = Volatile Organic Compounds

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylene

MTBE = Methyl tert butyl ether

TBA = Tert-Butyl alcohol

DIPE = Diisopropyl ether

ETBE = Tert-Butyl ethyl ether

TAME = Tert-Amyl methyl ether

EDB = 1,2-Dibromoethane (Ethylene dibromide)

1,2-DCA = 1,2-Dichloroethane

-- = Not available / not applicable

<x = Not detected above laboratory method detection limit

North

0 900 1800 FT

SCALE

SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP, OAKLAND EAST QUADRANGLE (1997)

FIGURE 1

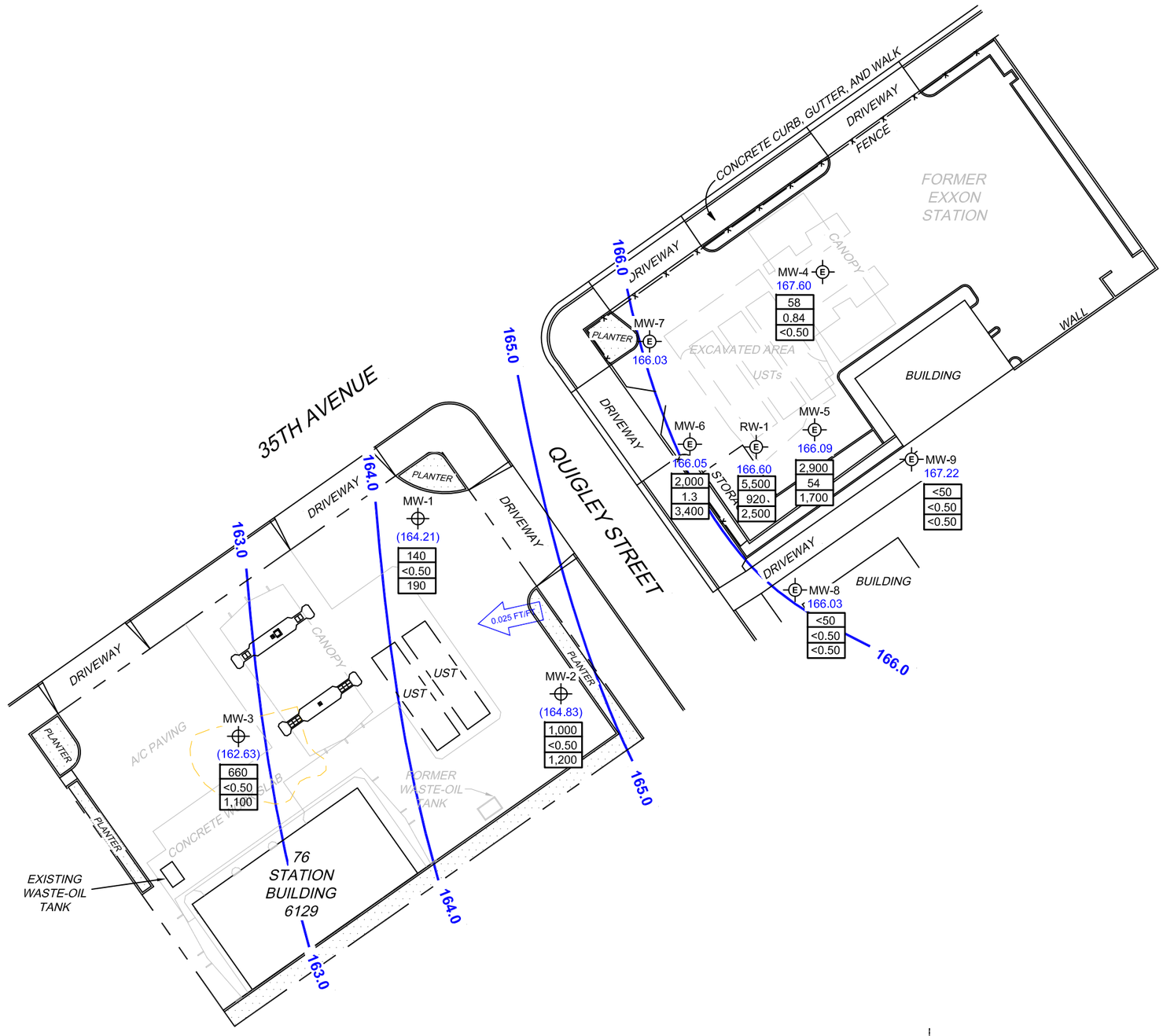
SITE LOCATION MAP

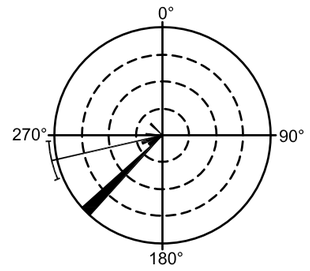
CHEVRON #351639
FORMER UNOCAL STATION NO.6129
3420 35th AVENUE
OAKLAND, CALIFORNIA

PROJECT NO. 60267013	DRAWN BY JH 07/17/2012
FILE NO. 351639	PREPARED BY CD
REVISION NO.	REVIEWED BY JH

AECOM

PATH: P:\01231-Chevron\76Products_transfer_sites\351639_6129_Oakland\7.0 Deliverables\7.2_CADD\1SA12





APPROXIMATE GROUNDWATER FLOW DIRECTION
1Q1990 TO 2Q2012

LEGEND

- MW-3 — MONITORING WELL WITH GROUNDWATER ELEVATION (FEET)
- MW-9 (E) — FORMER EXXON MONITORING WELL
- 164.0 — GROUNDWATER ELEVATION CONTOUR
- 0.025 FT/FT — APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT
- 1991 EXCAVATION BOUNDARY

140	TPHg CONCENTRATION (µg/L)
<0.50	BENZENE CONCENTRATION (µg/L)
190	MTBE CONCENTRATION (µg/L)

µg/L = micrograms per liter

0 30'
SCALE

Base map created by Delta Consultants, Inc.

GROUNDWATER CONCENTRATION MAP
CHEVRON #351639
FORMER UNOCAL STATION NO.6129
3420 35th AVENUE
OAKLAND, CALIFORNIA

SCALE:	DATE:	PROJECT NUMBER:
1" = 80'	07/23/2012	60267013

AECOM
10461 OLD PLACERVILLE ROAD SUITE 170
SACRAMENTO, CALIFORNIA 95827
PHONE: (916) 361-6400
FAX: (916) 361-6401
WEB: HTTP://WWW.AECOM.COM

DESIGNED BY:	REVISIONS				FIGURE NUMBER:
	NO.:	DESCRIPTION:	DATE:	BY:	2
DRAWN BY: CD					
CHECKED BY: JH					
APPROVED BY: JH					

P:\101231-Chevron\76Products_transfer_sites\351639_6129_Oakland\7.0 Deliverables\7.2 CADD\1SA12\Figure2_conc.dwg Jul 23, 2012 - 1:27pm harmsj

123 Technology Drive West
Irvine, CA 92618

949.727.9336 PHONE
949.727.7399 FAX

www.TRCsolutions.com

DATE: June 4, 2012

TO: Jim Harms
AECOM
10461 Old Placerville Rd #170
Sacramento, California 95827

SITE: Unocal Site 6129
Facility 351639
3420 35th Avenue, Oakland, CA

RE: Transmittal of Groundwater Monitoring Data

Dear Mr. Harms,

Please find attached the field data sheets, chain of custody (COC) forms, and technical services request (TSR) form for the monitoring event that was completed on May 24, 2012. Field measurements and collection of samples submitted to the laboratory were completed in general accordance with our usual groundwater monitoring protocol which is also attached for your reference.

Please call me at 949-727-7345 if you have questions.

Sincerely,

TRC

Christina Carrillo
Groundwater Program Coordinator

GENERAL FIELD PROCEDURES

Groundwater Gauging and Sampling Assignments

For each site, TRC technicians are provided with a Technical Service Request (TSR) that specifies activities required to complete the groundwater gauging and sampling assignment for the site. TSRs are based on client directives, instructions from the primary environmental consultant for the site, regulatory requirements, and TRC's previous experience with the site.

Fluid Level Measurements (Gauging)

Initial site activities include determination of well locations based on a site map provided with the TSR. Well boxes are opened and caps are removed. Indications of well or well box damage or of pressure buildup in the well are noted.

Fluid levels in each well are measured using a coated cloth tape equipped with an electronic interface probe, which distinguishes between liquid phase hydrocarbon (LPH) and water. The depth to LPH (if it is present), to water, and to the bottom of the well are measured from the top of the well casing (surveyors mark or notch if present) to the nearest 0.01 foot. Unless otherwise instructed, a well with less than 0.67 foot between the measured top of water and the measured bottom of the well casing is considered dry, and is not sampled. If the well contains 0.67 foot or more of water, an attempt is made to bail and/or sample as specified on the TSR.

Unless otherwise instructed, a well that is found to contain a measureable amount of LPH (0.01 foot) is not purged or sampled. Instead, one casing volume of fluid is bailed from the well and the well is re-sealed.

Purging and Groundwater Parameter Measurement

TSR instructions may specify that a well not be purged (no-purge sampling), be purged using low-flow methods, or be purged using conventional pump and/or bail methods. Conventional purging generally consists of pumping or bailing until a minimum of three casing volumes of water have been removed or until the well has been pumped dry. Pumping is generally accomplished using submersible electric or pneumatic diaphragm pumps. The pump intake is initially set at about 5 feet below the level of water in the casing, and is lowered as needed to compensate for falling water level. Pump depths are recorded in Field Notes.

During conventional purging, three groundwater parameters (temperature, pH, and conductivity) are measured after removal of each casing volume. Stabilization of these parameters, to within 10 percent, confirm that sufficient purging has been completed. In some cases, the TSR indicates that other parameters are also to be measured during purging. TRC commonly measures dissolved oxygen (DO), oxidation-reduction potential (ORP), and/or turbidity. Instruments used for groundwater parameter measurements are calibrated daily according to manufacturer's instructions.

Low-flow purging utilizes a bladder or peristaltic pump to remove water from the well at a low rate. Groundwater parameters specified by the TSR are measured continuously, using a flow cell, until they become stable in general accordance with EPA guidelines.

Groundwater Sample Collection

After wells are purged, or not purged, according to TSR instructions, samples are collected for laboratory analysis. For wells that have been purged using conventional pump or bail methods, sampling is conducted after the well has recovered to 80 percent of its original volume or after two hours if the well does not recover to at least 80 percent. If there is insufficient recharge of water in the well after two hours, the well is not sampled.

GENERAL FIELD PROCEDURES

Samples are collected by lowering a new, disposable polyethylene bottom-fill bailer to just below the water level in the well. The bailer is retrieved and the water sample is carefully transferred to containers specified for the laboratory analytical methods indicated by the TSR. Particular care is given to containers for volatile organic analysis (VOAs) which require filling to zero headspace and fitting with Teflon-sealed caps.

Sample containers are labeled with project number (or site number), well designation, sample date, sample time, and the sampler's initials, and placed in an insulated chest with ice. Samples remain chilled prior to and during transport to a state-certified laboratory for analysis. Sample container descriptions and requested analyses are entered onto a chain-of-custody form in order to provide instructions to the laboratory. The chain-of-custody form accompanies the samples during transportation to provide a continuous record of possession from the field to the laboratory. If a freight or overnight carrier transports the samples, the carrier is noted on the form.

For wells that have been purged using low-flow methods, sample containers are filled from the effluent stream of the bladder or peristaltic pump. In some cases, if so specified by the TSR, samples are taken from the sample ports of actively pumping remediation wells.

Sequence of Gauging, Purging and Sampling

The sequence in which monitoring activities are conducted is specified on the TSR. In general, wells are gauged beginning with the least affected well and ending with the well that has the highest concentration based on previous analytic results. After all gauging for the site is completed, wells are purged and/or sampled from the least-affected to the most-affected well. If wells must be gauged or sampled out of order, alternate interface probes and/or pumps are utilized and are noted in field documentation.

Decontamination

In order to reduce the possibility of cross contamination between wells, strict isolation and decontamination procedures are observed. Portable pumps are not used in wells with LPH. Technicians wear nitrile gloves during all gauging, purging, and sampling activities. Gloves are changed between wells and more often if warranted. Any equipment that could come in contact with fluids are either dedicated a particular well, decontaminated prior to each use, or discarded after a single use. Decontamination consists of washing in a solution of Liquinox and water and rinsing twice. The final rinse is in deionized water.

Purge Water Disposal

Purge water is generally collected in labeled drums for disposal as non-hazardous waste. Drums may be left on site for disposal by others, or transported to a collection location at a TRC field office, in either Fullerton, California or Concord, California, for eventual transfer to a licensed treatment or recycling facility. Alternatively, purge water may be collected directly from the site by a licensed vacuum truck company, or may be treated on site by an active remediation system, if so directed.

Exceptions

Additional tasks or non-standard procedures, if any, that may be requested or required for a particular site, are documented in field notes on the following pages.

FIELD MONITORING DATA SHEET

Technician: Basilio Job #/Task #: 189791.0035.1639 Date: 5-24-12

Site # 6129 Project Manager AF Page 1 of 1

Well #	TOC	Time Gauged	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-1	✓	0742	43.49	26.58	—	—	0854	2"
MW-3	✓	0747	39.45	25.95	—	—	0942	2"
MW-2	✓	0758	43.62	25.97	—	—	1020	2"

FIELD DATA COMPLETE QA/QC COC WELL BOX CONDITION SHEETS

MANIFEST DRUM INVENTORY TRAFFIC CONTROL

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Basilio

Site: 6129 Project No.: 189791.0035.1639 Date: 5-24-12

Well No. MW-1 Purge Method: Sub

Depth to Water (feet): 26.58 Depth to Product (feet): —

Total Depth (feet) 43.49 LPH & Water Recovered (gallons): —

Water Column (feet): 16.91 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 29.96 1 Well Volume (gallons): 3

Time Start	Time Stop	Pump Depth (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge							1.78	244	
0837		39	3	858.7	18.1	6.78	1.18	245	
			6	833.4	19.4	6.72	1.64	246	
	0845	↓	9	887.6	20.0	6.63	0.60	247	

Static at Time Sampled	Total Gallons Purged	Sample Time
29.96	9	0854

Comments:

Well No. MW-3 Purge Method: Sub

Depth to Water (feet): 25.95 Depth to Product (feet): —

Total Depth (feet) 39.45 LPH & Water Recovered (gallons): —

Water Column (feet): 13.50 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 28.65 1 Well Volume (gallons): 3

Time Start	Time Stop	Pump Depth (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge							1.05	225	
0913			3	543.6	18.9	6.91	0.68	226	
			6	592.4	19.3	6.81	0.95	228	
	0920		9	580.1	19.6	6.82	0.59	227	

Static at Time Sampled	Total Gallons Purged	Sample Time
28.65	9	0942

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Basilio

Site: 6129 Project No.: 189791.0035.1639 Date: 5-24-12

Well No. MW-2 Purge Method: Sub

Depth to Water (feet): 25.97 Depth to Product (feet): ←

Total Depth (feet) 43.62 LPH & Water Recovered (gallons): ←

Water Column (feet): 17.65 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 29.50 1 Well Volume (gallons): 3

Time Start	Time Stop	Pump Depth (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge							1.15	210	
1003			3	756.8	19.7	6.64	0.75	220	
			6	800.0	20.1	6.57	0.62	217	
	1010		9	823.0	20.6	6.49	0.44	214	

Static at Time Sampled	Total Gallons Purged	Sample Time
29.50	9	1020

Comments:

Well No. Purge Method:

Depth to Water (feet): Depth to Product (feet):

Total Depth (feet) LPH & Water Recovered (gallons):

Water Column (feet): Casing Diameter (Inches):

80% Recharge Depth(feet): 1 Well Volume (gallons):

Time Start	Time Stop	Pump Depth (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									

Static at Time Sampled	Total Gallons Purged	Sample Time

Comments:

TRC

WELL BOX CONDITION REPORT

SITE NO. 6129

ADDRESS 3420 35th Ave.

DATE 5-24-12

PERFOMED BY: Bailie

PAGE 1 OF 1

Well Name	Current Well Box Size	# of Ears	# of Stripped Ears	# of Broken Ears	# of Broken Bolts	# of Missing Bolts	Seal Damaged	Missing Lid	Broken Lid	Well Box Is Exposed	Well Box is Below Grade	Unable to Access	Unable to Locate	Foundation Damaged	Paved Over	Street Well	Saw Cut Needed	System Well	USA Marked Well	Comments
MW-1	12"	2																		
MW-3	12"	2	1																	
MW-2	12"	2																		

TRC

CHAIN OF CUSTODY FORM

Union Oil Company of California ■ 6101 Bollinger Canyon Road ■ San Ramon, CA 94583

COC ____ of ____

Union Oil Site ID:	Union Oil Consultant:
Site Global ID:	Consultant Contact:
Site Address:	Consultant Phone No.:
	Sampling Company: TRC
Union Oil PM:	Sampled By (PRINT):
Union Oil PM Phone No.:	
Charge Code: NWRTB- 0_____-0- LAB	Sampler Signature:
This is a LEGAL document. ALL fields must be filled out CORRECTLY and COMPLETELY.	BC Laboratories, Inc. Project Manager: Molly Meyers 4100 Atlas Court, Bakersfield, CA 93308 Phone No. 661-327-4911

ANALYSES REQUIRED

Turnaround Time (TAT):
Standard ☑ 24 Hours ☐
48 Hours ☐ 72 Hours ☐

Special Instructions

SAMPLE ID						TPH - Diesel by EPA 8015	TPH - G by GC/MS	BTEX/MTBE/OXYS by EPA 8260B	Ethanol by EPA 8260B	EPA 8260B Full List with OXYS							Notes / Comments
Field Point Name	Matrix	DTW	Date (yymmdd)	Sample Time	# of Containers												
MW-1	W-S-A			1130	3		X	X	X								
MW-2	W-S-A			1220													
MW-3	W-S-A			1110													
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																

Relinquished By	Company	Date / Time:	Relinquished By	Company	Date / Time :	Relinquished By	Company	Date / Time:
[signature]	TRC	5/2/13 1230						
Received By	Company	Date / Time:	Received By	Company	Date / Time :	Received By	Company	Date / Time:
[signature]	BC Lab	5/2/13 1430						

TRC SOLUTIONS

TECHNICAL SERVICES REQUEST FORM

25-Apr-12

Site ID:	6129	**Project No.:**	189791.0035.1639 / 00TA01
Address	3420 35th Ave.	**Client:**	Roya Kambin
City:	Oakland	**Contact #:**	925-790-6270
Cross Street:	Quigley St.	**PM:**	Jim Schneider CRA
		PM Contact #:	949-648-5202

Total number of wells:	3	**Min. Well Diameter (in.):**	2	**# of Techs, # of Hrs:**	1, 3
Depth to Water (ft.):	28	**Max. Well Diameter (in.):**	2	**Travel Time (hrs):**	
		Max. Well Depth (ft):	44	**Hotel PO#:**	

ACTIVITIES:		Frequency	Notes
Gauging:	☑	Semi Q2/Q4	
Purge/Sampling:	☑	Semi Q2/Q4	
No Purge/Sample	☐		

RELATED ACTIVITIES		Note
Drums:	☑	
Other Activities:	☐	
Traffic Control:	☐	

PERMIT INFORMATION:

NOTIFICATIONS:

35th Ave. 76: 510-530-3550

SITE INFORMATION:

Coordinated event with Former Exxon Station 7-0234

Take field measurements pre-purge and after each casing volume purged.

TRC SOLUTIONS

TECHNICAL SERVICES REQUEST FORM

25-Apr-12

Site ID:	6129	**Project No.:**	189791.0035.1639 / 00TA01
Address	3420 35th Ave.	**Client:**	Roya Kambin
City:	Oakland	**Contact #:**	925-790-6270
Cross Street:	Quigley St.	**PM:**	Jim Schneider CRA
		PM Contact #:	949-648-5202

LAB INFORMATION:

Global ID: T0600101465

Lab WO: 351639

Lab Used: BC Labs

Lab Notes: Lab analyses:
TPH-G by GC/MS, BTEX/MTBE/OXYS by 8260B, EDB/EDC by 8260B, Ethanol by 8260B [Containers: 3 voas w/HCl]

TRC SOLUTIONS

TECHNICAL SERVICES REQUEST FORM

25-Apr-12

Site ID.: 6129
Address 3420 35th Ave.
City: Oakland
Cross Street Quigley St.

			Gauging				Sampling				Field Measurements			
Well IDs	Benz.	MTBE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Pre-Purge	Post-Purge	Type	**Comments**
MW-1	0	150	☐	☑	☐	☑	☐	☑	☐	☑	☑	☑	D.O., ORP	2" casing
MW-3	0	730	☐	☑	☐	☑	☐	☑	☐	☑	☑	☑	D.O., ORP	2" casing
MW-2	0	1500	☐	☑	☐	☑	☐	☑	☐	☑	☑	☑	D.O., ORP	2" casing

GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON STATION 351639/FORMER UNOCAL 6129
3420 35TH AVENUE, OAKLAND, CALIFORNIA

Well ID	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	Ground-Water Elevation (feet)	TPHg (8015) ()	TPHg (8260) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (µg/l)	TBA (µg/l)	ETBE (µg/l)	DIPE (µg/l)	TAME (µg/l)	EDB (µg/l)	1,2-DCA (µg/l)	Ethanol (µg/l)
MW-1	1/5/1990	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	5/11/1990	--	--	--	ND	--	ND	7.1	ND	ND	--	--	--	--	--	--	--	--
	8/9/1990	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	11/14/1990	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	2/12/1991	--	--	--	ND	--	0.32	ND	ND	ND	--	--	--	--	--	--	--	--
	5/9/1991	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	11/13/2003	--	--	--	--	180	<1.0	<1.0	<1.0	<2.0	240	<200	<4.0	<4.0	<4.0	<4.0	<4.0	<1000
	8/27/2004	190.79	30.65	71.59	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<0.50	<1.0	<0.50	<0.50	<0.50	<50
	11/23/2004	190.79	29.35	72.89	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<0.50	<1.0	<0.50	<0.50	<0.50	<50
	2/9/2005	190.79	26.89	75.35	--	<50	<0.50	<0.50	<0.50	<1.0	9.3	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<50
	5/17/2005	190.79	26.56	75.68	--	<50	<0.50	<0.50	<0.50	<1.0	1.9	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<50
	7/27/2005	190.79	27.33	74.91	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<50
	12/6/2005	190.79	29.59	72.65	--	<50	<0.50	0.93	<0.50	1.8	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	2/21/2006	190.79	28.27	73.97	--	<50	<0.50	<0.50	<0.50	<1.0	2.6	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	6/8/2006	190.79	26.07	76.17	--	<50	<0.50	<0.50	<0.50	<1.0	11	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	9/15/2006	190.79	28.86	73.38	--	<50	<0.50	<0.50	<0.50	<0.50	1.4	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	12/14/2006	190.79	29.49	72.75	--	<50	<0.50	<0.50	<0.50	<0.50	3.5	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	3/28/2007	190.79	27.24	75.00	--	<50	<0.50	<0.50	<0.50	<0.50	0.64	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	6/25/2007	190.79	28.30	73.94	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	9/22/2007	190.79	30.61	71.63	--	<50	<0.50	<0.50	<0.50	<0.50	4.1	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	12/14/2007	190.79	30.30	71.94	--	<50	<0.50	<0.50	<0.50	<1.0	0.65	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	3/17/2008	190.79	27.22	75.02	--	<50	<0.50	<0.50	<0.50	<1.0	14	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	6/20/2008	190.79	30.10	72.14	--	<50	<0.50	<0.50	<0.50	<1.0	11	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	9/11/2008	190.79	31.04	71.20	--	<50	<0.50	<0.50	<0.50	<1.0	1.3	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	11/25/2008	190.79	30.88	71.36	--	<50	<0.50	<0.50	<0.50	<1.0	5.8	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	3/9/2009	190.79	27.50	74.74	--	<50	<0.50	<0.50	<0.50	<1.0	25	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	5/28/2009	190.79	28.25	73.99	--	<50	<0.50	<0.50	<0.50	<1.0	17	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	12/11/2009	190.79	30.60	160.19	--	<50	<0.50	<0.50	<0.50	<1.0	18	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	5/7/2010	190.79	26.06	164.73	--	67	<0.50	<0.50	<0.50	<1.0	64	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	11/1/2010	190.79	30.18	160.61	--	<50	<0.50	<0.50	<0.50	<1.0	92	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	5/27/2011	190.79	26.87	163.92	--	110	<0.50	<0.50	<0.50	<1.0	220	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	11/23/2011	190.79	29.14	161.65	--	110[1]	<0.50	<0.50	<0.50	<1.0	150	41	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	05/24/2011	190.79	26.58	164.21	--	140	<0.50	<0.50	<0.50	<1.0	190	66	<0.50	<0.50	<0.50	<0.50	<0.50	<250
MW-2	1/5/1990	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	5/11/1990	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	8/9/1990	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--

GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON STATION 351639/FORMER UNOCAL 6129
3420 35TH AVENUE, OAKLAND, CALIFORNIA

Well ID	*Date Sampled*	*TOC Elevation (feet)*	*Depth to Water (feet)*	*Ground-Water Elevation (feet)*	*TPHg (8015) ()*	*TPHg (8260) (µg/l)*	*Benzene (µg/l)*	*Toluene (µg/l)*	*Ethyl-benzene (µg/l)*	*Total Xylenes (µg/l)*	*MTBE (µg/l)*	*TBA (µg/l)*	*ETBE (µg/l)*	*DIPE (µg/l)*	*TAME (µg/l)*	*EDB (µg/l)*	*1,2-DCA (µg/l)*	*Ethanol (µg/l)*
	11/14/1990	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	2/12/1991	--	--	--	ND	--	ND	0.42	ND	0.51	--	--	--	--	--	--	--	--
	5/9/1991	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	11/13/2003	--	--	--	--	<2000	<20	<20	<20	<40	2100	<4000	<80	<80	<80	<80	<80	<20000
	8/27/2004	190.80	30.28	71.88	--	950	<5.0	<5.0	<5.0	<10	1400	<5.0	<5.0	24	<5.0	<5.0	<5.0	<500
	11/23/2004	190.80	28.75	73.41	--	53	<0.50	<0.50	<0.50	<1.0	4.2	<5.0	<0.50	18	<0.50	<0.50	<0.50	<50
	2/9/2005	190.80	26.08	76.08	--	<500	<0.50	<0.50	<0.50	<1.0	400	<5.0	<5.0	19	<5.0	<5.0	<5.0	<500
	5/17/2005	190.80	24.53	77.63	--	<50	<0.50	<0.50	<0.50	<1.0	330	<5.0	<0.50	12	<0.50	<0.50	<0.50	<50
	7/27/2005	190.80	27.51	74.65	--	<500	<5.0	<5.0	<5.0	<10	580	140	<5.0	16	<5.0	<5.0	<5.0	<500
	12/6/2005	190.80	29.13	73.03	--	340	<0.50	<0.50	<0.50	<1.0	780	61	<0.50	15	<0.50	<0.50	<0.50	<250
	2/21/2006	190.80	29.23	72.93	--	190	<0.50	<0.50	<0.50	<1.0	340	<10	<0.50	18	<0.50	<0.50	<0.50	<250
	6/8/2006	190.80	25.76	76.40	--	<500	<5.0	<5.0	<5.0	<10	440	<100	<5.0	14	<5.0	<5.0	<5.0	<2500
	9/15/2006	190.80	29.17	72.99	--	<500	<5.0	<5.0	<5.0	<5.0	570	<100	<5.0	17	<5.0	<5.0	<5.0	<2500
	12/14/2006	190.80	29.11	73.05	--	520	<0.50	<0.50	<0.50	<0.50	770	27	<0.50	20	<0.50	<0.50	<0.50	<250
	3/28/2007	190.80	26.68	75.48	--	290	<0.50	<0.50	<0.50	<0.50	460	260	<0.50	23	<0.50	<0.50	<0.50	<250
	6/25/2007	190.80	25.91	76.25	--	<50	<0.50	<0.50	<0.50	<0.50	1.2	<10	<0.50	23	<0.50	<0.50	<0.50	<250
	9/22/2007	190.80	30.18	71.98	--	400	<0.50	<0.50	<0.50	<0.50	530	<10	<0.50	35	<0.50	<0.50	<0.50	<250
	12/14/2007	190.80	29.96	72.20	--	400	<0.50	<0.50	<0.50	<1.0	930	48	<0.50	24	<0.50	<0.50	<0.50	<250
	3/17/2008	190.80	26.74	75.42	--	570	<5.0	<5.0	<5.0	<10	630	<100	<5.0	18	<5.0	<5.0	<5.0	<2500
	6/20/2008	190.80	29.78	72.38	--	580	<0.50	<0.50	<0.50	<1.0	1200	<10	<0.50	16	<0.50	<0.50	<0.50	<250
	9/11/2008	190.80	30.62	71.54	--	220	<0.50	<0.50	<0.50	<1.0	29	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	11/25/2008	190.80	30.48	71.68	--	500	<0.50	<0.50	<0.50	<1.0	1500	<10	<0.50	19	<0.50	<0.50	<0.50	<250
	3/9/2009	190.80	25.75	76.41	--	910	<5.0	<5.0	<5.0	<10	1400	<100	<5.0	15	<5.0	<5.0	<5.0	<2500
	5/28/2009	190.80	27.71	74.45	--	460	<0.50	<0.50	<0.50	<1.0	740	<10	<0.50	20	<0.50	<0.50	<0.50	<250
	12/11/2009	190.80	29.80	161.00	--	640	<5.0	<5.0	<5.0	<10	1300	<100	<5.0	19	<5.0	<5.0	<5.0	<2500
	5/7/2010	190.80	25.11	165.69	--	600	<1.0	<1.0	<1.0	<2.0	940	<20	<1.0	14	<1.0	<1.0	<1.0	<500
	11/1/2010	190.80	29.90	160.90	--	140	<0.50	<0.50	<0.50	<1.0	730	<10	<0.50	28	<0.50	<0.50	<0.50	<250
	5/27/2011	190.80	26.44	164.36	--	560	<0.50	<0.50	<0.50	<1.0	1,100	210	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	11/23/2011	190.80	28.53	162.27	--	830	<0.50	<0.50	<0.50	<1.0	1,500	400	<0.50	9.0	<0.50	<0.50	<0.50	<250
	05/24/2011	190.80	25.97	164.83	--	1,000	<0.50	<0.50	<0.50	<1.0	1,200	430	<0.50	8.8	<0.50	<0.50	<0.50	<250
MW-3	1/5/1990	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	5/11/1990	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	8/9/1990	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	11/14/1990	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	2/12/1991	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	5/9/1991	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--

GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON STATION 351639/FORMER UNOCAL 6129
3420 35TH AVENUE, OAKLAND, CALIFORNIA

Well ID	*Date Sampled*	*TOC Elevation (feet)*	*Depth to Water (feet)*	*Ground-Water Elevation (feet)*	*TPHg (8015) ()*	*TPHg (8260) (µg/l)*	*Benzene (µg/l)*	*Toluene (µg/l)*	*Ethyl-benzene (µg/l)*	*Total Xylenes (µg/l)*	*MTBE (µg/l)*	*TBA (µg/l)*	*ETBE (µg/l)*	*DIPE (µg/l)*	*TAME (µg/l)*	*EDB (µg/l)*	*1,2-DCA (µg/l)*	*Ethanol (µg/l)*
	11/13/2003	--	--	--	--	2600	<20	<20	<20	<40	3700	<4000	<80	<80	<80	<80	<80	<20000
	8/27/2004	**188.58**	29.61	70.39	--	1700	<10	<10	<10	<20	2600	<100	<10	<20	<10	<10	<10	<1000
	11/23/2004	**188.58**	28.48	71.52	--	1500	<10	<10	<10	<20	1800	<100	<10	<20	<10	<10	<10	<1000
	2/9/2005	**188.58**	26.45	73.55	--	<1000	<0.50	<0.50	<0.50	<1.0	2100	130	<10	<10	<10	<10	<10	<1000
	5/17/2005	**188.58**	25.61	74.39	--	<1000	<0.50	<0.50	<0.50	<1.0	1200	<100	<10	<10	<10	<10	<10	<1000
	7/27/2005	**188.58**	27.35	72.65	--	<1000	<10	<10	<10	<20	1400	360	<10	<10	<10	<10	<10	<1000
	12/6/2005	**188.58**	28.78	71.22	--	430	<0.50	1.6	<0.50	3.6	1800	160	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	2/21/2006	**188.58**	28.91	71.09	--	420	<0.50	<0.50	<0.50	<1.0	1100	88	<0.50	<0.50	0.58	<0.50	<0.50	<250
	6/8/2006	**188.58**	25.97	74.03	--	<1200	<12	<12	<12	<25	1000	<250	<12	<12	<12	<12	<12	<6200
	9/15/2006	**188.58**	28.73	71.27	--	<1200	<12	<12	<12	<12	1200	<250	<12	<12	<12	<12	<12	<6200
	12/14/2006	**188.58**	28.62	71.38	--	<1000	<10	<10	<10	<10	1300	<200	<10	<10	<10	<10	<10	<5000
	3/28/2007	**188.58**	26.69	73.31	--	500	<1.0	<1.0	<1.0	<1.0	860	500	<1.0	<1.0	<1.0	<1.0	<1.0	<500
	6/25/2007	**188.58**	26.74	73.26	--	270	<0.50	<0.50	<0.50	<0.50	570	11	<0.50	<0.50	<0.50	<0.50	0.65	<250
	9/22/2007	**188.58**	29.57	70.43	--	500	<0.50	<0.50	<0.50	<0.50	980	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	12/14/2007	**188.58**	29.30	70.70	--	270	<0.50	<0.50	<0.50	<1.0	570	26	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	3/17/2008	**188.58**	26.82	73.18	--	220	<0.50	<0.50	<0.50	<1.0	520	<10	<0.50	<0.50	<0.50	<0.50	0.65	<250
	6/20/2008	**188.58**	29.10	70.90	--	490	<0.50	<0.50	<0.50	<1.0	1300	49	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	9/11/2008	**188.58**	29.89	70.11	--	630	<5.0	<5.0	<5.0	<10	1200	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<2500
	11/25/2008	**188.58**	29.74	70.26	--	380	<0.50	<0.50	<0.50	<1.0	870	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	3/9/2009	**188.58**	25.56	74.44	--	310	<0.50	<0.50	<0.50	<1.0	720	15	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	5/28/2009	**188.58**	27.55	72.45	--	410	<0.50	<0.50	<0.50	<1.0	750	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	12/11/2009	188.58	29.10	159.48	--	220	<0.50	<0.50	<0.50	<1.0	620	63	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	5/7/2010	188.58	25.72	162.86	--	360	<0.50	<0.50	<0.50	<1.0	660	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	11/1/2010	188.58	29.29	159.29	--	120	<0.50	<0.50	<0.50	<1.0	490	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	5/27/2011	188.58	26.53	162.05	--	340	<0.50	<0.50	<0.50	<1.0	890	73	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	11/23/2011	188.58	28.11	160.47	--	520[1]	<0.50	<0.50	<0.50	<1.0	730	170	<0.50	<0.50	<0.50	<0.50	<0.50	<250
	05/24/2011	188.58	25.95	162.63	--	660	<0.50	<0.50	<0.50	<1.0	1,100	300	<0.50	<0.50	<0.50	<0.50	<0.50	<250

Abbreviations and Notes:

TOC = Top of casing

µg/L = Micrograms per liter

TPHg = Total petroleum hydrocarbons as gasoline by EPA Method 8015 and 8260

Benzene, toluene, ethylbenzene, and total xylenes by EPA Method 8260B

MTBE = Methyl tertiary butyl ether by EPA Method 8260B

TBA= tertiary butyl alcohol by EPA Method 8260B

DIPE= di-isopropyl ether by EPA Method 8260B

ETBE= ethyl tertiary butyl ether by EPA Method 8260B

GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON STATION 351639/FORMER UNOCAL 6129
3420 35TH AVENUE, OAKLAND, CALIFORNIA

Well ID	*Date Sampled*	*TOC Elevation (feet)*	*Depth to Water (feet)*	*Ground-Water Elevation (feet)*	*TPHg (8015) ()*	*TPHg (8260) (µg/l)*	*Benzene (µg/l)*	*Toluene (µg/l)*	*Ethyl-benzene (µg/l)*	*Total Xylenes (µg/l)*	*MTBE (µg/l)*	*TBA (µg/l)*	*ETBE (µg/l)*	*DIPE (µg/l)*	*TAME (µg/l)*	*EDB (µg/l)*	*1,2-DCA (µg/l)*	*Ethanol (µg/l)*

TAME= tertiary amyl methyl ether by EPA Method 8260B
1,2-DCA= 1,2-Dichloroethane by EPA Method 8260B
EDB= 1,2-Dibromoethane by EPA Method 8260B
Lead = Total lead by Method 6010
Ethanol by EPA Method 8260B
-- = Not available / not applicable
<x = Not detected at or above laboratory method detection limit indicated
ND = Not detected, detection limit not known
1 = TPHg does not exhibit a "gasoline" pattern, is entirely due to MTBE

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 06/01/2012

Jim Harms

AECOM
10461 Old Placerville Rd, Suite 170
Sacramento, CA 95827

Project:	6129
BC Work Order:	1209549
Invoice ID:	B123191

Enclosed are the results of analyses for samples received by the laboratory on 5/24/2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

Table of Contents

120549

CHAIN OF CUSTODY FORM

Union Oil Company of California ■ 6101 Bollinger Canyon Road ■ San Ramon, CA 94583 COC 1 of 1

Union Oil Site ID: 6129	Union Oil Consultant: CRA
Site Global ID:	Consultant Contact: Jim Schneider
Site Address: 3420 35th Ave Oakland	Consultant Phone No.: 949 648 5202
	Sampling Company: TRC
Union Oil PM: Roya Kamalian	Sampled By (PRINT): Danielle
Union Oil PM Phone No.: 925 790 6270	Sampler Signature:
Charge Code: NWRTB- 0 351639 -0- LAB	BC Laboratories, Inc.
This is a LEGAL document. ALL fields must be filled out CORRECTLY and COMPLETELY.	Project Manager: Molly Meyers 4100 Atlas Court, Bakersfield, CA 93308 Phone No. 661-327-4911

ANALYSES REQUIRED

Turnaround Time (TAT): Standard ☑ 24 Hours ☐ 48 Hours ☐ 72 Hours ☐

Special Instructions

SAMPLE ID						TPH - Diesel by EPA 8015	TPH - G by GC/MS	BTEX/MTBE/OXYS by EPA 8260B	Ethanol by EPA 8260B	EPA 8260B Full List with OXYS							Notes / Comments
Field Point Name	Matrix	DTW	Date (yymmdd)	Sample Time	# of Containers												
MW-1	W-S-A	-1	12 5 24	0854	3		X	X	X								
MW-2	W-S-A	-2	"	1020	"		"	"	"								
MW-3	W-S-A	-3	"	0942	"		"	"	"								
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																

CHK BY KIQ

DISTRIBUTION White ☐ ☐ ☐ ☐ SUB-OUT ☐

Relinquished By	Company	Date / Time:	Relinquished By	Company	Date / Time :	Relinquished By	Company	Date / Time:
	TRC	5/24/12 1230	Mary Bogan	BC Lab	5-24-12		BC LAB	5-24-12 21:30
Received By	**Company**	**Date / Time:**	**Received By**	**Company**	**Date / Time :**	**Received By**	**Company**	**Date / Time:**
Mary Bogan	BC Lab	5/24/12 1430		BC LAB	5-24-12 18:30	KOM=	BC Lab	5-24-12 2130

Chain of Custody and Cooler Receipt Form for 1209549 Page 2 of 2

BC LABORATORIES INC. SAMPLE RECEIPT FORM Rev. No. 12 06/24/08 Page 1 Of 1

Submission #: 1209549

SHIPPING INFORMATION
Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☑ Other ☐ (Specify)_____

SHIPPING CONTAINER
Ice Chest ☑ None ☐
Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.98 Container: Qtpe Thermometer ID: 177

Temperature: A 1.5 °C / C 1.6 °C

Date/Time 5-24-12

Analyst Init JNW 2140

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A3	A3	A3	( )	( )	( )	( )	( )	( )	( )
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:
Sample Numbering Completed By: JNW Date/Time: 5/24/12 2212
A = Actual / C = Corrected

[H:\DOCS\WP80\LAB_DOCS\FORMS\SAMREC2.WPD]

AECOM
10461 Old Placerville Rd, Suite 170
Sacramento, CA 95827

Reported: 06/01/2012 9:26
Project: 6129
Project Number: 351639
Project Manager: Jim Harms

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1209549-01	**COC Number:**	---	**Receive Date:**	05/24/2012 21:30
	Project Number:	6129	**Sampling Date:**	05/24/2012 08:54
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-1-W-120524	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	Groundwater
	Delivery Work Order:			
	Global ID:			
	Location ID (FieldPoint): MW-1			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1209549-02	**COC Number:**	---	**Receive Date:**	05/24/2012 21:30
	Project Number:	6129	**Sampling Date:**	05/24/2012 10:20
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-2-W-120524	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	Groundwater
	Delivery Work Order:			
	Global ID:			
	Location ID (FieldPoint): MW-2			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1209549-03	**COC Number:**	---	**Receive Date:**	05/24/2012 21:30
	Project Number:	6129	**Sampling Date:**	05/24/2012 09:42
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-3-W-120524	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	Groundwater
	Delivery Work Order:			
	Global ID:			
	Location ID (FieldPoint): MW-3			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			

AECOM
10461 Old Placerville Rd, Suite 170
Sacramento, CA 95827

Reported: 06/01/2012 9:26
Project: 6129
Project Number: 351639
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1209549-01 | **Client Sample Name:** 6129, MW-1-W-120524, 5/24/2012 8:54:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	**190**	**ug/L**	**2.5**	**EPA-8260**	ND	**A01**	2
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	**66**	**ug/L**	**10**	**EPA-8260**	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	**140**	**ug/L**	**50**	**Luft-GC/MS**	ND	**A90**	1
1,2-Dichloroethane-d4 (Surrogate)	103	%	76 - 114 (LCL - UCL)	EPA-8260			1
1,2-Dichloroethane-d4 (Surrogate)	103	%	76 - 114 (LCL - UCL)	EPA-8260			2
Toluene-d8 (Surrogate)	98.6	%	88 - 110 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	102	%	88 - 110 (LCL - UCL)	EPA-8260			2
4-Bromofluorobenzene (Surrogate)	99.7	%	86 - 115 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	103	%	86 - 115 (LCL - UCL)	EPA-8260			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	05/30/12	05/31/12 06:28	JMC	MS-V12	1	BVE1951
2	EPA-8260	05/30/12	05/31/12 17:54	JMC	MS-V12	5	BVE1951

AECOM
10461 Old Placerville Rd, Suite 170
Sacramento, CA 95827

Reported: 06/01/2012 9:26
Project: 6129
Project Number: 351639
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1209549-02 | **Client Sample Name:** 6129, MW-2-W-120524, 5/24/2012 10:20:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	**1200**	**ug/L**	**25**	**EPA-8260**	ND	**A01**	2
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	**430**	**ug/L**	**10**	**EPA-8260**	ND		1
Diisopropyl ether	**8.8**	**ug/L**	**0.50**	**EPA-8260**	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	**1000**	**ug/L**	**50**	**Luft-GC/MS**	ND		1
1,2-Dichloroethane-d4 (Surrogate)	108	%	76 - 114 (LCL - UCL)	EPA-8260			1
1,2-Dichloroethane-d4 (Surrogate)	103	%	76 - 114 (LCL - UCL)	EPA-8260			2
Toluene-d8 (Surrogate)	105	%	88 - 110 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	102	%	88 - 110 (LCL - UCL)	EPA-8260			2
4-Bromofluorobenzene (Surrogate)	98.0	%	86 - 115 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	95.7	%	86 - 115 (LCL - UCL)	EPA-8260			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	05/30/12	05/31/12 06:10	JMC	MS-V12	1	BVE1951
2	EPA-8260	05/30/12	05/31/12 17:36	JMC	MS-V12	50	BVE1951

AECOM
10461 Old Placerville Rd, Suite 170
Sacramento, CA 95827

Reported: 06/01/2012 9:26
Project: 6129
Project Number: 351639
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1209549-03 | **Client Sample Name:** 6129, MW-3-W-120524, 5/24/2012 9:42:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	**1100**	**ug/L**	**12**	**EPA-8260**	ND	**A01**	2
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	**300**	**ug/L**	**10**	**EPA-8260**	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	**660**	**ug/L**	**50**	**Luft-GC/MS**	ND	**A90**	1
1,2-Dichloroethane-d4 (Surrogate)	102	%	76 - 114 (LCL - UCL)	EPA-8260			1
1,2-Dichloroethane-d4 (Surrogate)	108	%	76 - 114 (LCL - UCL)	EPA-8260			2
Toluene-d8 (Surrogate)	124	%	88 - 110 (LCL - UCL)	EPA-8260		S09	1
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)	EPA-8260			2
4-Bromofluorobenzene (Surrogate)	86.4	%	86 - 115 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	101	%	86 - 115 (LCL - UCL)	EPA-8260			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	05/30/12	05/31/12 05:52	JMC	MS-V12	1	BVE1951
2	EPA-8260	05/30/12	05/31/12 17:18	JMC	MS-V12	25	BVE1951

AECOM
10461 Old Placerville Rd, Suite 170
Sacramento, CA 95827

Reported: 06/01/2012 9:26
Project: 6129
Project Number: 351639
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BVE1951						
Benzene	BVE1951-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BVE1951-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BVE1951-BLK1	ND	ug/L	0.50		
Ethylbenzene	BVE1951-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BVE1951-BLK1	ND	ug/L	0.50		
Toluene	BVE1951-BLK1	ND	ug/L	0.50		
Total Xylenes	BVE1951-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BVE1951-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BVE1951-BLK1	ND	ug/L	10		
Diisopropyl ether	BVE1951-BLK1	ND	ug/L	0.50		
Ethanol	BVE1951-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BVE1951-BLK1	ND	ug/L	0.50		
Total Purgeable Petroleum Hydrocarbons	BVE1951-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BVE1951-BLK1	106	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BVE1951-BLK1	104	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BVE1951-BLK1	97.6	%	86 - 115 (LCL - UCL)		

AECOM
10461 Old Placerville Rd, Suite 170
Sacramento, CA 95827

Reported: 06/01/2012 9:26
Project: 6129
Project Number: 351639
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BVE1951										
Benzene	BVE1951-BS1	LCS	26.090	25.000	ug/L	104		70 - 130		
Toluene	BVE1951-BS1	LCS	25.150	25.000	ug/L	101		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BVE1951-BS1	LCS	10.310	10.000	ug/L	103		76 - 114		
Toluene-d8 (Surrogate)	BVE1951-BS1	LCS	10.220	10.000	ug/L	102		88 - 110		
4-Bromofluorobenzene (Surrogate)	BVE1951-BS1	LCS	9.8900	10.000	ug/L	98.9		86 - 115		

AECOM
10461 Old Placerville Rd, Suite 170
Sacramento, CA 95827

Reported: 06/01/2012 9:26
Project: 6129
Project Number: 351639
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BVE1951	Used client sample: N										
Benzene	MS	1209485-05	ND	28.500	25.000	ug/L		114		70 - 130	
	MSD	1209485-05	ND	28.470	25.000	ug/L	0.1	114	20	70 - 130	
Toluene	MS	1209485-05	ND	26.870	25.000	ug/L		107		70 - 130	
	MSD	1209485-05	ND	25.720	25.000	ug/L	4.4	103	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1209485-05	ND	11.080	10.000	ug/L		111		76 - 114	
	MSD	1209485-05	ND	11.210	10.000	ug/L	1.2	112		76 - 114	
Toluene-d8 (Surrogate)	MS	1209485-05	ND	10.620	10.000	ug/L		106		88 - 110	
	MSD	1209485-05	ND	10.400	10.000	ug/L	2.1	104		88 - 110	
4-Bromofluorobenzene (Surrogate)	MS	1209485-05	ND	9.5000	10.000	ug/L		95.0		86 - 115	
	MSD	1209485-05	ND	9.5200	10.000	ug/L	0.2	95.2		86 - 115	

AECOM
10461 Old Placerville Rd, Suite 170
Sacramento, CA 95827

Reported: 06/01/2012 9:26
Project: 6129
Project Number: 351639
Project Manager: Jim Harms

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A01	PQL's and MDL's are raised due to sample dilution.
A90	TPPH does not exhibit a "gasoline" pattern. TPPH is entirely due to MTBE.
S09	The surrogate recovery on the sample for this compound was not within the control limits.

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	Total Pb (µg/L)	Organic Pb (mg/L)
Monitoring Well Samples														
MW1	07/15/92	---	---	Well installed.										
MW1	07/17/92	---	192.00	33.02	158.98	No	67	---	6.6	6.9	2.0	4.5	17	---
MW1	10/22/92	---	192.00	34.07	157.93	No	<50	---	2.9	<0.5	<0.5	<0.5	16	---
MW1	02/04/93	---	192.00	29.43	162.57	No	<50	---	0.8	<0.5	<0.5	<0.5	4	---
MW1	05/03/93	---	192.00	29.72	162.28	No	71	---	2.8	7.2	2.2	22	40	---
MW1	07/30/93	---	192.00	32.95	159.05	No	<50	---	<0.5	<0.5	<0.5	<0.5	5	---
MW1	10/19/93	---	192.00	34.34	157.66	No	<50	---	<0.5	<0.5	<0.5	<0.5	12	---
MW1	02/23/94	---	192.00	31.72	160.28	No	<50	---	<0.5	<0.5	<0.5	<0.5	4	---
MW1	06/06/94	---	192.00	31.77	160.23	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3	---
MW1	08/18/94	---	192.00	33.76	158.24	No	<50	---	<0.5	<0.5	<0.5	<0.5	130	---
MW1	11/15/94	---	192.00	34.08	157.92	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3.0	<100
MW1	02/06/95	---	192.00	28.50	163.50	No	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
MW1	05/10/95	---	192.00	29.30	162.70	No	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
MW1	09/20/99	---	192.00	33.30	158.70	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<75	<50
MW1	Well destroyed in June 2000.													
MW2	07/15/92	---	---	Well installed.										
MW2	07/17/92	---	194.85	34.65	160.20	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3	---
MW2	10/22/92	---	194.85	35.64	159.21	No	<50	---	<0.5	<0.5	<0.5	<0.5	--	---
MW2	02/04/93	---	194.85	31.13	163.72	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3	---
MW2	05/03/93	---	194.85	31.08	163.77	No	<50	---	<0.5	<0.5	<0.5	<0.5	3	---
MW2	07/30/93	---	194.85	34.34	160.51	No	<50	---	<0.5	<0.5	<0.5	<0.5	14	---
MW2	10/19/93	---	194.85	36.00	158.85	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3	---
MW2	02/23/94	---	194.85	33.92	160.93	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3	---
MW2	06/06/94	---	194.85	33.50	161.35	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3	---
MW2	08/18/94	---	194.85	35.38	159.47	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3.0	---
MW2	11/15/94	---	194.85	35.93	158.92	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3.0	<100
MW2	02/06/95	---	194.85	30.38	164.47	No	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
MW2	05/10/95	---	194.85	30.77	164.08	No	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
MW2	09/20/99	---	194.85	35.15	159.70	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<75	<0.5
MW2	Well destroyed in June 2000.													
MW3	07/15/92	---	---	Well installed.										
MW3	07/17/92	---	196.90	37.24	159.66	No	<50	---	<0.5	<0.5	<0.5	<0.5	50	---
MW3	10/22/92	---	196.90	35.95	160.95	No	<50	---	<0.5	<0.5	<0.5	<0.5	9	---
MW3	02/04/93	---	196.90	29.85	167.05	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	Total Pb (µg/L)	Organic Pb (mg/L)
MW3	05/03/93	---	196.90	29.87	167.03	No	<50	---	<0.5	<0.5	<0.5	<0.5	3	---
MW3	07/30/93	---	196.90	33.85	163.05	No	<50	---	<0.5	<0.5	<0.5	<0.5	22	---
MW3	10/19/93	---	196.90	35.89	161.01	No	<50	---	<0.5	<0.5	<0.5	<0.5	12	---
MW3	02/23/94	---	196.90	32.88	164.02	No	<50	---	<0.5	<0.5	<0.5	<0.5	25	---
MW3	06/06/94	---	196.90	32.40	164.50	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3	---
MW3	08/18/94	---	196.90	35.07	161.83	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3.0	---
MW3	11/15/94	---	196.90	35.97	160.93	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3.0	<100
MW3	02/06/95	---	196.90	28.39	168.51	No	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
MW3	05/10/95	---	196.90	28.90	168.00	No	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
MW3	09/20/99	---	196.90	34.68	162.22	No	75.0	1.87	<0.5	11.5	1.8	18.0	<75	<0.5
MW3	Well destroyed in June 2000.													
MW4	03/02/09	---	---	Well installed.										
MW4	03/30/09	---	197.62	30.94	166.68	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW4	04/02/09	---	197.62	Well surveyed.										
MW4	05/28/09	---	197.62	32.00	165.62	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW4	08/31/09	---	197.62	35.43	162.19	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW4	12/11/09	---	197.62	35.01	162.61	No	<50	<0.50	<0.50	0.83	<0.50	1.1	---	---
MW4	05/07/10	---	197.62	29.11	168.51	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0	---	---
MW4	11/01/10	---	197.62	34.95	162.67	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0	---	---
MW4	05/27/11 d	---	197.62	30.65	166.97	No	---	---	---	---	---	---	---	---
MW4	11/23/11	---	197.62	33.49	164.13	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0	---	---
MW4	**05/24/12**	**---**	**197.62**	**30.02**	**167.60**	**No**	**58**	**<0.50**	**0.84**	**4.4**	**0.64c**	**3.5**	**---**	**---**
MW5	03/06/09	---	---	Well installed.										
MW5	03/30/09	---	196.35	30.05	166.30	No	4,200	1,900	540	140	<12	310	---	---
MW5	04/02/09	---	196.35	Well surveyed.										
MW5	05/28/09	---	196.35	31.45	164.90	No	5,300	3,600	890	150	<25	140	---	---
MW5	08/31/09	---	196.35	34.70	161.65	No	5,800	3,500	550	<100	<100	<100	---	---
MW5	12/11/09	---	196.35	34.52	161.83	No	4,000b	3,800	230	<100	<100	<100	---	---
MW5	05/07/10	---	196.35	30.84	165.51	No	2,700b	1,700	73	5.3	3.6	6.5	---	---
MW5	11/01/10	---	196.35	33.93	162.42	No	2,400b	3,400	320	71	21	40	---	---
MW5	05/27/11 d	---	196.35	31.65	164.70	No	---	---	---	---	---	---	---	---
MW5	11/23/11	---	196.35	32.58	163.77	No	1,900b	3,200	72	2.7	3.1	8.1	---	---
MW5	**05/24/12**	**---**	**196.35**	**30.26**	**166.09**	**No**	**2,900b**	**1,700**	**54**	**31**	**5.2**	**17**	**---**	**---**
MW6	03/09/09	---	---	Well installed.										
MW6	03/30/09	---	192.41	26.94	165.47	No	2,800	4,800	0.91	<0.50	<0.50	<0.50	---	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	Total Pb (µg/L)	Organic Pb (mg/L)
MW6	04/02/09	---	192.41	Well surveyed.										
MW6	05/28/09	---	192.41	28.04	164.37	No	2,800	6,000	<100	<100	<100	<100	---	---
MW6	08/31/09	---	192.41	30.57	161.84	No	4,900	6,600	<100	<100	<100	<100	---	---
MW6	12/11/09	---	192.41	30.78	161.63	No	4,900b	6,200	<100	<100	<100	<100	---	---
MW6	05/07/10	---	192.41	25.42	166.99	No	2,900b	3,700	2.7	<0.50	0.74c	<1.0	---	---
MW6	11/01/10	---	192.41	30.68	161.73	No	850b	6,100	2.1	<0.50	<0.50	<1.0	---	---
MW6	05/27/11 d	---	192.41	27.07	165.34	No	---	---	---	---	---	---	---	---
MW6	11/23/11	---	192.41	29.25	163.16	No	1,600b	6,400	<0.50	<0.50	<0.50	<1.0	---	---
MW6	**05/24/12**	**---**	**192.41**	**26.36**	**166.05**	**No**	**2,000b**	**3,400**	**1.3c**	**9.7**	**0.97c**	**5.5**	**---**	**---**
MW7	03/09/09	---	---	Well installed.										
MW7	03/30/09	---	194.34	29.15	165.19	No	55	66	<0.50	<0.50	<0.50	<0.50	---	---
MW7	04/02/09	---	194.34	Well surveyed.										
MW7	05/28/09	---	194.34	30.16	164.18	No	50	67	<1.0	<1.0	<1.0	<1.0	---	---
MW7	08/31/09	---	194.34	33.31	161.03	No	<50	12	<0.50	0.60	<0.50	<0.50	---	---
MW7	12/11/09	---	194.34	32.71	161.63	No	<50	31	0.78	1.7	0.62	2.4	---	---
MW7	05/07/10	---	194.34	27.54	166.80	No	510b	700	<0.50	<0.50	<0.50	<1.0	---	---
MW7	11/01/10	---	194.34	32.82	161.52	No	68b	140	<0.50	<0.50	<0.50	<1.0	---	---
MW7	05/27/11 d	---	194.34	28.85	165.49	No	---	---	---	---	---	---	---	---
MW7	11/23/11	---	194.34	31.39	162.95	No	190b	300	<0.50	<0.50	<0.50	<1.0	---	---
MW7	**05/24/12 d**	**---**	**194.34**	**28.31**	**166.03**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW8	03/04/09	---	---	Well installed.										
MW8	03/30/09	---	192.96	27.35	165.61	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW8	04/02/09	---	192.96	Well surveyed.										
MW8	05/28/09	---	192.96	28.72	164.24	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW8	08/31/09	---	192.96	31.93	161.03	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW8	12/11/09	---	192.96	31.24	161.72	No	<50	<0.50	0.74	1.6	0.59	2.3	---	---
MW8	05/07/10	---	192.96	25.68	167.28	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0	---	---
MW8	11/01/10	---	192.96	31.18	161.78	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0	---	---
MW8	05/27/11	---	192.96	27.55	165.41	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0	---	---
MW8	11/23/11	---	192.96	29.74	163.22	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0	---	---
MW8	**05/24/12**	**---**	**192.96**	**26.93**	**166.03**	**No**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**---**
MW9	03/05/09	---	---	Well installed.										
MW9	03/30/09	---	195.16	28.31	166.85	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW9	04/02/09	---	195.16	Well surveyed.										
MW9	05/28/09	---	195.16	29.69	165.47	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	Total Pb (µg/L)	Organic Pb (mg/L)
MW9	08/31/09	---	195.16	33.20	161.96	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW9	12/11/09	---	195.16	32.62	162.54	No	<50	<0.50	0.73	1.7	0.54	2.2	---	---
MW9	05/07/10	---	195.16	26.59	168.57	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0	---	---
MW9	11/01/10	---	195.16	32.45	162.71	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0	---	---
MW9	05/27/11	---	195.16	29.62	165.54	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0	---	---
MW9	11/23/11	---	195.16	30.56	164.60	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0	---	---
MW9	**05/24/12**	**---**	**195.16**	**27.94**	**167.22**	**No**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**---**
RW1	12/22/11	---	---	Well installed.										
RW1	12/30/11	---	195.15	Well surveyed.										
RW1	**05/24/12**	**---**	**195.15**	**28.55**	**166.60**	**No**	**5,500b**	**2,500**	**920**	**5.9c**	**51**	**14**	**---**	**---**
Grab Groundwater Samples														
Pit Water	06/14/02	11.5a	---	---	---	---	5,600	12,000	140	840	100	530	---	---
UST Pit	06/19/02	13.5a	---	---	---	---	680	640	2.7	36	18	130	---	---
W-38-B11	11/14/07	38	---	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
W-15-B12	11/13/07	15	---	---	---	---	8,400	78	67	<5.0	140	150	---	---
W-40-B13	11/12/07	40	---	---	---	---	<50	0.53	<0.50	<0.50	<0.50	<0.50	---	---
W-15-B14	11/13/07	15	---	---	---	---	2,500	16	1.7	3.0	26	13	---	---
W-38-B15	11/15/07	38	---	---	---	---	18,000	12,000	3,400	2,500	330	2,000	---	---
W-40-B16	11/15/07	40	---	---	---	---	<50	7.7	<0.50	<0.50	<0.50	<0.50	---	---
W-37-B17	11/13/07	37	---	---	---	---	630	2,200	1.8	<0.50	4.1	1.4	---	---
W-38-B18	11/12/07	38	---	---	---	---	4,300	1,400	52	<12	56	96	---	---
W-35-B19	03/03/09	35	---	---	---	---	4,400	7,100	<0.50	<0.50	<0.50	<1.0	---	---
W-35-B20	03/03/09	35	---	---	---	---	640	440	<0.50	<0.50	<0.50	<1.0	---	---
W-35-B21	03/03/09	35	---	---	---	---	<50	1.4	<0.50	<0.50	<0.50	<1.0	---	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

Notes:		Data prior to 1999 provided by EA Environmental Science and Engineering in previously submitted reports.
TOC Elev.	=	Top of well casing elevation; datum is mean sea level.
DTW	=	Depth to water.
GW Elev.	=	Groundwater elevation; datum is mean sea level.
NAPL	=	Non-aqueous phase liquid.
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8260.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8260B; during March 2009, analyzed using EPA Method 8020/8021B.
Total Pb	=	Total lead analyzed using EPA Method 6010.
Organic Pb	=	Organic lead analyzed using CA DHS LUFT method.
EDB	=	1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-dicloroethane analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
µg/L	=	Micrograms per liter.
mg/L	=	Milligrams per liter.
<	=	Less than the stated laboratory reporting limit.
---	=	Not sampled/Not analyzed/Not measured/Not applicable.
a	=	Approximate depth to groundwater surface at time of sampling.
b	=	Hydrocarbon pattern does not match the requested fuel.
c	=	Analyte presence was not confirmed by second column or GC/MS analysis.
d	=	Well inaccessible for sampling.

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
Monitoring Well Samples									
MW1	07/17/92 - 09/20/99	---	Not analyzed for these analytes.						
MW1	Well destroyed in June 2000.	---							
MW2	07/17/92 - 09/20/99	---	Not analyzed for these analytes.						
MW2	Well destroyed in June 2000.	---							
MW3	07/17/92 - 09/20/99	---	Not analyzed for these analytes.						
MW3	Well destroyed in June 2000.	---							
MW4	03/30/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW4	05/28/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW4	08/31/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW4	12/11/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW4	05/07/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW4	11/01/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW4	05/27/11 d	---	---	---	---	---	---	---	---
MW4	11/23/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW4	**05/24/12**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**---**
MW5	03/30/09	---	<12	17	<12	450	<12	<12	---
MW5	05/28/09	---	<25	<25	<25	530	<25	<25	---
MW5	08/31/09	---	<100	<100	<100	<1,000	<100	<100	---
MW5	12/11/09	---	<100	<100	<100	2,000	<100	<100	---
MW5	05/07/10	---	<25	<25	<25	400	<25	<25	---
MW5	11/01/10	---	<50	<50	<50	1,500	<50	<50	---
MW5	05/27/11 d	---	---	---	---	---	---	---	---
MW5	11/23/11	---	<50	<50	<50	<500	<50	<50	---
MW5	**05/24/12**	**---**	**<50**	**<50**	**<50**	**1,400**	**<50**	**<50**	**---**
MW6	03/30/09	---	<0.50	<0.50	1.3	410	<0.50	0.82	---
MW6	05/28/09	---	<100	<100	<100	<1,000	<100	<100	---
MW6	08/31/09	---	<100	<100	<100	1,100	<100	<100	---
MW6	12/11/09	---	<100	<100	<100	2,600	<100	<100	---
MW6	05/07/10	---	<100	<100	<100	<1,000	<100	<100	---
MW6	11/01/10	---	<50	<50	<50	2,400	<50	<50	---
MW6	05/27/11 d	---	---	---	---	---	---	---	---

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
MW6	11/23/11	---	<100	<100	<100	<1,000	<100	<100	---
MW6	**05/24/12**	**---**	**<100**	**<100**	**<100**	**2,700**	**<100**	**<100**	**---**
MW7	03/30/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW7	05/28/09	---	<1.0	<1.0	<1.0	<10	<1.0	<1.0	---
MW7	08/31/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW7	12/11/09	---	<0.50	<0.50	<0.50	12	<0.50	<0.50	---
MW7	05/07/10	---	<0.50	<0.50	<0.50	130	<0.50	<0.50	---
MW7	11/01/10	---	<2.5	<2.5	<2.5	27	<2.5	<2.5	---
MW7	05/27/11 d	---	---	---	---	---	---	---	---
MW7	11/23/11	---	<5.0	<5.0	<5.0	<50	<5.0	<5.0	---
MW7	**05/24/12 d**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW8	03/30/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW8	05/28/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW8	08/31/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW8	12/11/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW8	05/07/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW8	11/01/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW8	05/27/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW8	11/23/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW8	**05/24/12**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**---**
MW9	03/30/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW9	05/28/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW9	08/31/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW9	12/11/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW9	05/07/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW9	11/01/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW9	05/27/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW9	11/23/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW9	**05/24/12**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**---**
RW1	**05/24/12**	**---**	**<50**	**<50**	**<50**	**1,900**	**<50**	**<50**	**---**
Grab Groundwater Samples									
Pit Water	06/14/02	11.5a	---	---	---	---	---	---	---
UST Pit	06/19/02	13.5a	---	---	---	---	---	---	---

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
W-38-B11	11/14/07	38	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<50
W-15-B12	11/13/07	15	<5.0	<5.0	<5.0	<100	<5.0	<5.0	<500
W-40-B13	11/12/07	40	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<50
W-15-B14	11/13/07	15	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<100
W-38-B15	11/15/07	38	<25	<25	<25	1,900	<25	<25	<2,500
W-40-B16	11/15/07	40	<0.50	<0.50	<0.50	<10	<0.50	<0.50	85
W-37-B17	11/13/07	37	<0.50	<0.50	<0.50	58	<0.50	<0.50	<50
W-38-B18	11/12/07	38	<12	<12	<12	<250	<12	<12	<1,200
W-35-B19	03/03/09	35	<50	<50	<50	<500	<50	<50	<5,000
W-35-B20	03/03/09	35	<0.50	<0.50	<0.50	12	<0.50	<0.50	<50
W-35-B21	03/03/09	35	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

Notes:		Data prior to 1999 provided by EA Environmental Science and Engineering in previously submitted reports.
TOC Elev.	=	Top of well casing elevation; datum is mean sea level.
DTW	=	Depth to water.
GW Elev.	=	Groundwater elevation; datum is mean sea level.
NAPL	=	Non-aqueous phase liquid.
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8260.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8260B; during March 2009, analyzed using EPA Method 8020/8021B.
Total Pb	=	Total lead analyzed using EPA Method 6010.
Organic Pb	=	Organic lead analyzed using CA DHS LUFT method.
EDB	=	1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-dicloroethane analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
µg/L	=	Micrograms per liter.
mg/L	=	Milligrams per liter.
<	=	Less than the stated laboratory reporting limit.
---	=	Not sampled/Not analyzed/Not measured/Not applicable.
a	=	Approximate depth to groundwater surface at time of sampling.
b	=	Hydrocarbon pattern does not match the requested fuel.
c	=	Analyte presence was not confirmed by second column or GC/MS analysis.
d	=	Well inaccessible for sampling.