



Roya C. Kambin
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Marketing Business Unit

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October 18, 2012

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

RECEIVED

1:56 pm, Nov 13, 2012

Alameda County
Environmental Health

**Re: Chevron Facility No. 351643(Former Unocal Service Station No. 3135)
6535 San Leandro Street, Oakland, California**

I have reviewed the attached report dated October 18, 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 Semi-Annual 2012 Groundwater Monitoring Report* by AECOM Environment, Inc.

October 18, 2012

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

**Subject: Second Semi-Annual 2012 Groundwater Monitoring Report
Chevron Facility No. 351643 (Former Unocal Service Station No. 3135)
6535 San Leandro Street, Oakland, California**

Dear Mr. Nowell,

On behalf of Chevron Environmental Management Company (hereinafter "CEMC"), for itself and as Attorney-in-Fact for Union Oil Company of California, AECOM Environment, Inc. (AECOM) has been authorized by CEMC to prepare the second semi-annual 2012 groundwater monitoring report for the site located at 6535 San Leandro Street (845 66th 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 conducted 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 third quarter of 2012.

Site Background and History

The site is an active 76 Products service station located on the western corner of San Leandro Street and 66th Avenue in Oakland, California. The site has operated as a service station since 1947. Land use in the vicinity of the site is classified as "Regional Commercial" with commercial buildings to the north, south, and west, and railroad tracks to the east, including elevated Bay Area Rapid Transit (BART) tracks. Current site facilities consist of a station building, two fuel underground storage tanks (USTs), and three dispenser islands underneath two canopies.

The site is relatively flat at an approximate elevation of 5 feet above mean sea level (msl). Soil encountered beneath the site consists of fill material and mixed clay, silt, sand, and gravel to the total explored depth of 26 feet below grade (fbg). Coarse-grained fill material is generally encountered from ground surface to between 2.5 to 7 fbg. Below the fill material is primarily fine-grained clay and silt to approximately 10 fbg, which is underlain by interbedded silt, silty sand, sand, and gravel. Groundwater was encountered during drilling at depths ranging from approximately 5 to 17 fbg. Groundwater flow direction historically has been variable, but the overall flow direction appears to be to the south (refer to Rose Diagram on Figure 2).

The source of hydrocarbons in soil appears to be the pre-1967 USTs and product piping. Although the volume released is not known, the area around the pre-1967 USTs was excavated to approximately 11 fbg and approximately 2,000 cubic yards of soil were removed from the site.

Hydrocarbon-bearing soil with the highest historical concentrations is limited to the area just east of the station building, near existing product piping. Maximum hydrocarbon concentrations detected in soil left in place after excavation activities in 1991 are:

- TOG - 200 mg/kg at 12.5 fbg in MW-6.
- TPHd - 93 mg/kg at 12.5 fbg in MW-6.
- TPHg - 1,400 mg/kg at 11 fbg in SW10.

- Benzene - 18 mg/kg at 11 fbg in SW10.
- Toluene - 130 mg/kg at 11 fbg in SW10.
- Ethylbenzene - 36 mg/kg at 11 fbg in SW10.
- Total xylenes - 200 mg/kg at 11 fbg in SW10.

Environmental investigation and assessment activities have been ongoing since 1988. There are currently eleven monitoring wells installed at the site. The wells are gauged and sampled semi-annually in the first and third quarters. Remedial activities conducted at the site include excavation of approximately 2,100 cubic yards of soil (2,000 cubic yards in 1991 and 144 cubic yards in 1994), removal of approximately 25,000 gallons of groundwater (20,000 gallons in 1991 and 5,000 gallons in 1989), an 8-hour dual-phase pilot test, and installing oxygen releasing compound in well MW-6.

Groundwater Monitoring Field Data

Depth to groundwater was measured in eleven monitoring wells, MW-1 through MW-11 on August 14, 2012 and converted to groundwater elevation (**Table 1**). Temperature, pH, and electrical conductivity readings were collected during purging; copies of the groundwater sampling/purge logs are included in **Attachment A**. The current groundwater flow direction was calculated to flow to the south/southwest with an average hydraulic gradient of approximately 0.013 feet per foot (**Figure 2**). The depth to groundwater ranged from 5.03 to 7.39 feet below the top of well casings (-2.71 to -2.11 feet above mean sea level). A summary of historical groundwater elevation through February 2012 is presented in **Attachment B**.

Groundwater Sampling and Analytical Results

Groundwater samples were collected from monitoring wells MW-1 through MW-11 on August 14, 2012. Laboratory analyses were performed by BC Laboratories, Inc. (BC Labs) of Bakersfield, California. The BC Labs analytical report dated August 30, 2012 is included as **Attachment C**. Samples were analyzed for the following analytes based on historic trends in each monitoring well:

- TPH-d by United States Environmental Protection Agency (USEPA) Method 8015B
- BTEX by USEPA method 8260B
- TPPH (TPHg) by GC/MS
- Fuel oxygenates including MTBE, tertiary-amyl methyl ether (TAME), 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
- Ferrous iron by SM-3500-FeD
- Nitrate (as nitrogen [N]) and Sulfate by EPA Method 300.0

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:

- TBA, ETBE, DIPE, TAME, EDB, 1,2-DCA, Ethanol were not detected in any of the samples analyzed.
- TPH Diesel was detected in concentrations ranging from non-detect to 480 µg/L.
- TPPH/TPHg was detected in MW-1(63 µg/L), MW-2 (970 µg/L), and MW-6 (840 µg/L).
- MTBE was detected in MW -1(1.3 µg/L), MW-2 (8.9 µg/L), MW-3 (1.8 µg/L), MW-5 (0.62 µg/L), MW-6 (4.3 µg/L), and MW-10 (3.8 µg/L).
- Ferrous iron was detected in 8 of the 10 wells sampled (except MW-8 and MW-9) ranging in concentration from 330 to 84,000 µg/L. MW-11 was not sampled for ferrous iron.
- Sulfate was detected in all of the samples, ranging in concentration from 10 to 62 µg/L. MW-11 was not sampled for sulfate.

A summary of historical groundwater analytical data through February 2012 is presented in **Attachment B**.

Approximately 109 gallons of groundwater were generated during purging activities. Purged water was transported by TRC to their Concord, California field yard as non-hazardous waste for future disposal.

Conclusions and Recommendations

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

- Elevated concentrations of fuel constituents remain localized around monitoring wells MW-2, MW-3, MW-6 and MW-10.
- MTBE was the only fuel oxygenate detected during the second semi-annual 2012 event.

Future Activities

Groundwater Monitoring

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

Remarks/Signatures


The interpretations in this report represent AECOM's professional opinions and are based, in part, on the information supplied by TRC. 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



Robert Perez, P.G. 8684
Project Geologist



cc: Roya Kambin, CEMC (electronic)
Coliseum Gas & Food Mart, Inc., Property Owner
Presley Properties LLC & Marks Redwood LLC, Property Owner

Tables

Table 1 Groundwater Elevation and Analytical Data

Figures

Figure 1 Site Location Map
Figure 2 Groundwater Elevation Contour Map
Figure 3 Groundwater Concentration Map

Attachments

Attachment A August 14, 2012 Groundwater Data Field Sheets
Attachment B Historic Groundwater Data
Attachment C BC Laboratories Analytical Report #1215270

TABLES

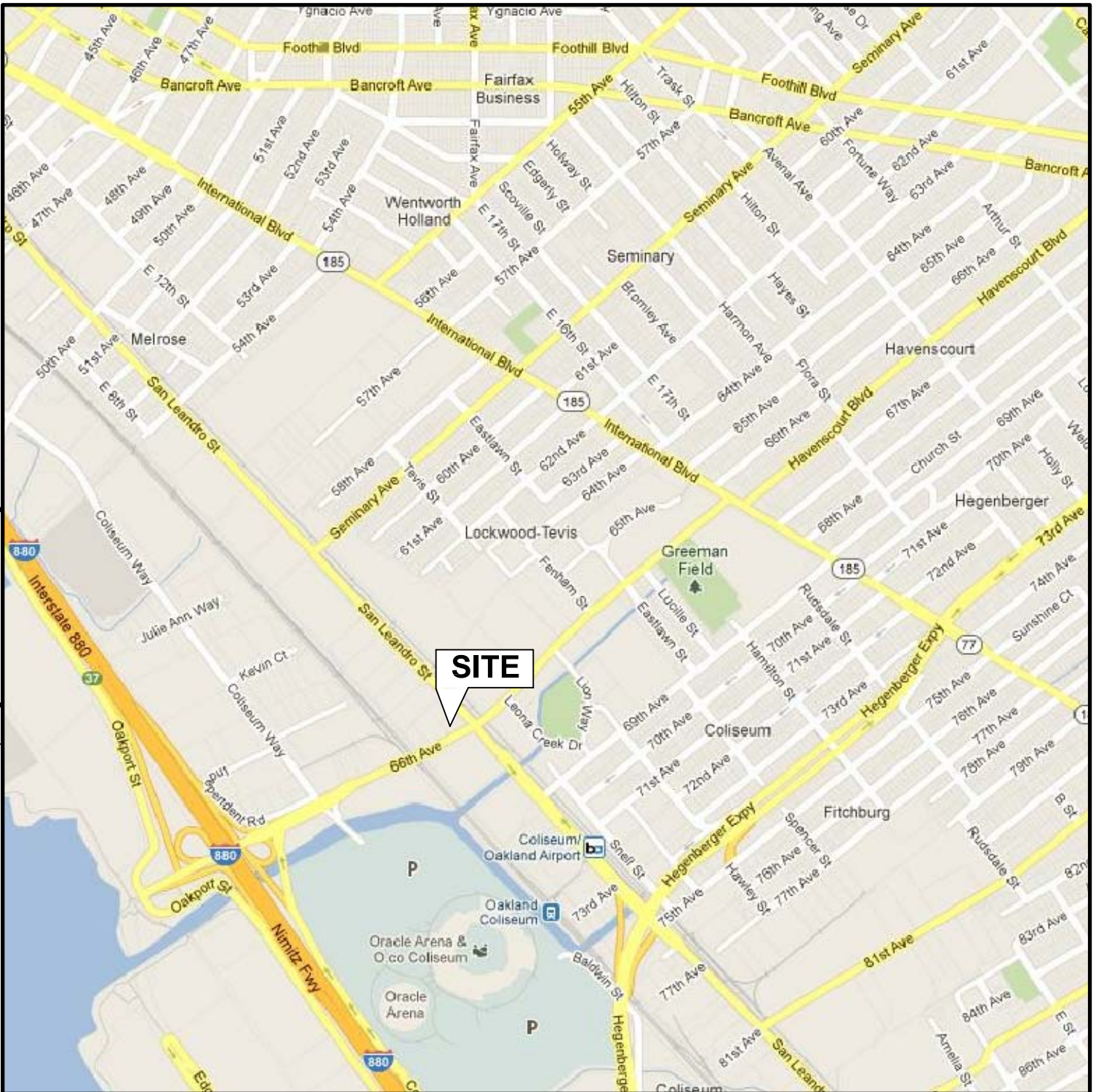
TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON STATION # 351643, FORMER UNOCAL STATION #3135
 6535 SAN LEANDRO STREET
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	HYDROCARBONS		PRIMARY VOCS										GENERAL CHEMISTRY						
					TPH Diesel	TPPH (TPHg)	Benzene	Toluene	Ethylbenzene	Total Xylene	MTBE by SW8260	TBA	ETBE	DIPE	TAME	EDB	EDC	Ethanol	Ferrous iron	Nitrate	Sulfate		
		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	µg/L	µg/L	µg/L	µg/L	µg/L	
Environmental Screening Level (ESL) ¹					100	100	1	40	30	20	5	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	8/14/2012	4.96	7.15	-2.19	<40	63	<0.50	<0.50	<0.50	<1.0	1.3	10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	13000	<0.20	29		
MW-2	8/14/2012	3.56	5.87	-2.31	480	970	<0.50	<0.50	32	15	8.9	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	84000	<0.10	10		
MW-3	8/14/2012	3.12	5.23	-2.11	120	<50	<0.50	<0.50	<0.50	<1.0	1.8	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	5100	<0.10	62		
MW-4	8/14/2012	5.01	7.39	-2.38	<40	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	330	1.9	46		
MW-5	8/14/2012	4.31	6.59	-2.28	<40	<50	<0.50	<0.50	<0.50	<1.0	0.62	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	6300	0.48	53		
MW-6	8/14/2012	4.05	6.45	-2.40	230	840	<0.50	<0.50	15	9.6	4.3	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	3600	<0.10	42		
MW-7	8/14/2012	4.45	6.58	-2.13	<40	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	2200	<0.10	20		
MW-8	8/14/2012	4.43	7.00	-2.57	<40	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	<100	<0.10	37		
MW-9	8/14/2012	4.60	6.77	-2.17	<40	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	<100	7.2	25		
MW-10	8/14/2012	2.69	5.40	-2.71	160	<50	<0.50	<0.50	<0.50	<1.0	3.8	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	2000	<0.10	28		
MW-11	8/14/2012	2.63	5.03	-2.40	<40	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	--	--	--		
Abbreviations and Notes:																							
DTW = Depth to Water					EDB = 1,2-Dibromoethane (Ethylene dibromide)					TPPH= Total Purgeable Petroleum Hydrocarbons (TPHg)													
GWE = Groundwater elevation					EDC= 1,2-DCA or 1,2-Dichloroethane					VOCS = Volatile Organic Compounds													
(ft-amsl) = Feet Above Mean sea level					ETBE = Tert-Butyl ethyl ether					shaded = exceeds ESL													
ft = Feet					DIPE = Diisopropyl ether					¹ = Environmental Screening Level (Table F-1a) for groundwater that is a current or potential drinking water resource; <i>Screening for Environmental Concerns at site with Contaminated Soil and Groundwater</i> ;													
µg/L = Micrograms per Liter					TAME = Tert-Amyl methyl ether					California Regional Water Quality Control Board - San Francisco Bay Region;													
-- = Not available / not applicable					TBA = Tert- butyl alcohol					Interim Final November 2007; revised May 2008.													
<x = Not detected above laboratory method detection limit.					TPH = Total Petroleum Hydrocarbons																		
TOC = Top of Casing					TPHg = Total Petroleum Hydrocarbons as Gasoline																		

FIGURES

P:\01231-Chevron\76Products_transfer_sites\351643_3135_Oakland\7.0_Deliverables\7.2_CADD\3q12\Figure 1_SITE LOC_LDC_351643.dwg



North

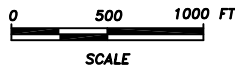
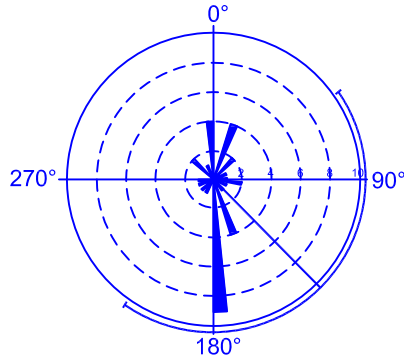


FIGURE 1
SITE LOCATION MAP
CHEVRON #351643
FORMER UNOCAL SERVICE STATION NO. 3135
6535 SAN LEANDRO STREET/845 66th AVENUE
OAKLAND, CALIFORNIA

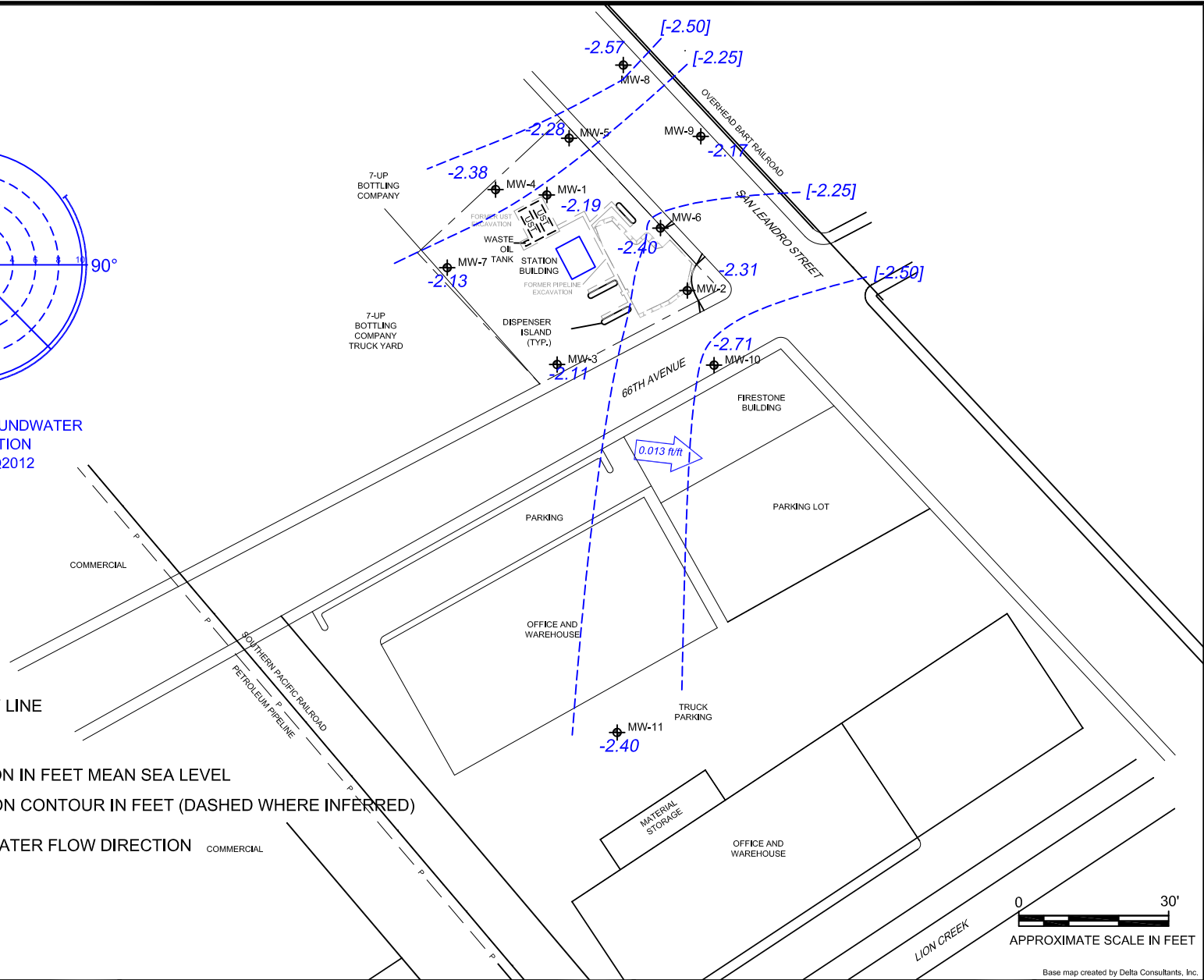
PROJECT NO. 60267099	DRAWN BY RM 10/11/12
FILE NO. 351643	PREPARED BY RM
REVISION NO.	REVIEWED BY JH



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APPROXIMATE GROUNDWATER FLOW DIRECTION 3Q1990 TO 3Q2012



LEGEND:

- APPROXIMATE PROPERTY LINE
- MW-8 MONITORING WELL
- 2.57 GROUNDWATER ELEVATION IN FEET MEAN SEA LEVEL
- [-2.50] GROUNDWATER ELEVATION CONTOUR IN FEET (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

Notes:
 UST = underground storage tank
 FT/FT = feet per foot



Base map created by Delta Consultants, Inc.

GROUNDWATER CONTOUR MAP

Chevron Site #351643 Former Unocal #3135
 6535 San Leandro Street/845 66th Avenue
 Oakland, California

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			
	NO.:	DESCRIPTION:	DATE:	BY:
DRAWN BY:				
RM				
CHECKED BY:				
JH				
APPROVED BY:				
JH				

FIGURE NUMBER:

2

SCALE:	DATE:	PROJECT NUMBER:
1" = 30'	10/1/2012	60267099



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LEGEND:

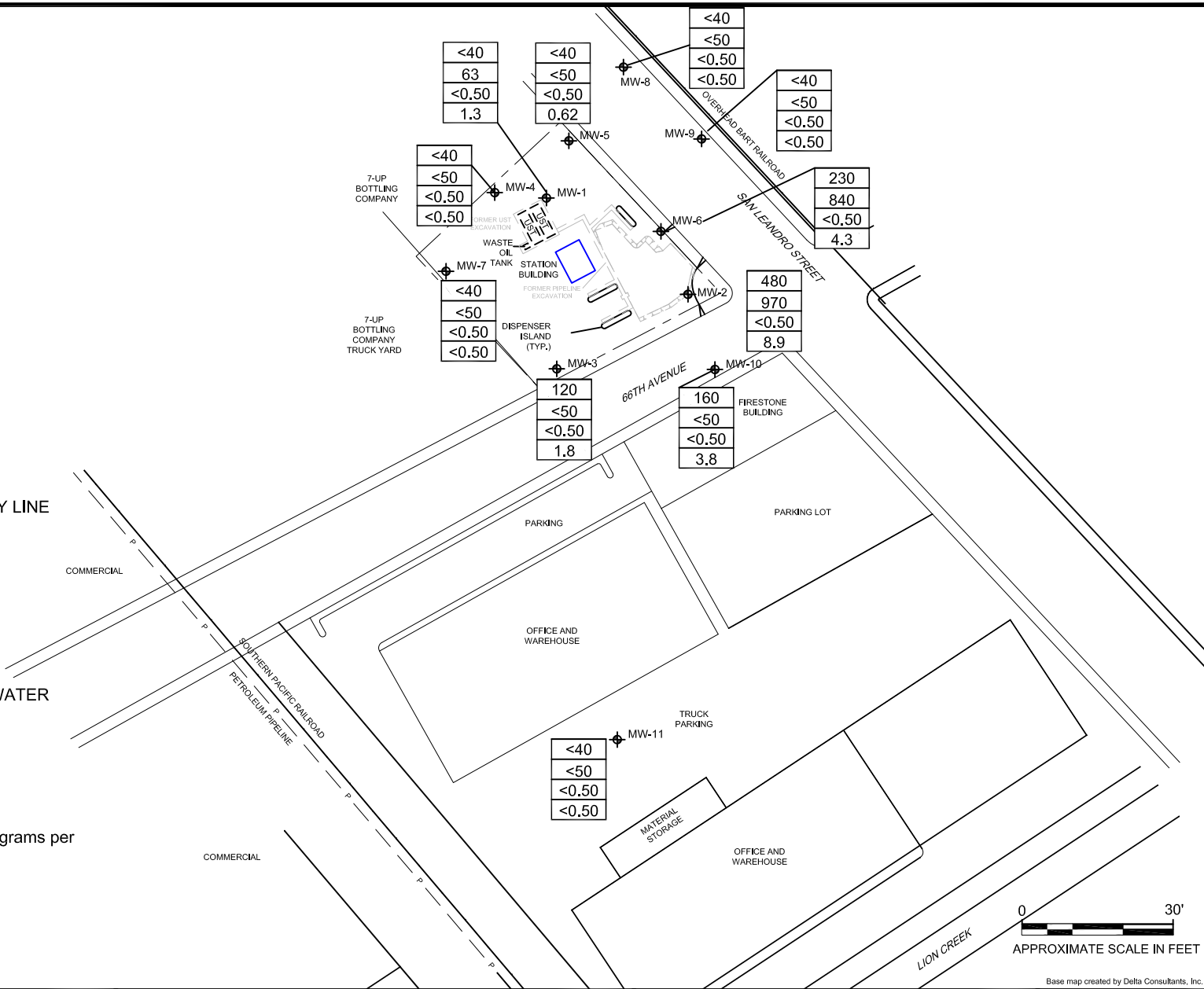
--- APPROXIMATE PROPERTY LINE

MW-A MONITORING WELL

<40	TPH diesel
<50	TPH gasoline
<0.50	BENZENE
<0.50	MTBE

APPROXIMATE GROUNDWATER FLOW DIRECTION

Notes:
 TPH = Total Petroleum Hydrocarbons
 MTBE = methyl tertiary-butyl ether
 UST = underground storage tank
 Analyte Concentrations expressed in micrograms per liter.



Base map created by Delta Consultants, Inc.

GROUNDWATER CONCENTRATION MAP

Chevron Site #351643 Former Unocal #3135
 6535 San Leandro Street/845 66th Avenue
 Oakland, California

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			
	NO.:	DESCRIPTION:	DATE:	BY:
DRAWN BY:				
RM				
CHECKED BY:				
JH				
APPROVED BY:				
JH				

FIGURE NUMBER:

3

SCALE:	DATE:	PROJECT NUMBER:
1" = 30'	10/11/12	60267099

ATTACHMENT A
AUGUST 14, 2012 GROUNDWATER DATA FIELD SHEETS



123 Technology Drive West
Irvine, CA 92618

949.727.9336 PHONE
949.727.7399 FAX

www.TRCSolutions.com

DATE: August 17, 2012
TO: Jim Harms, AECOM
SITE: Unocal Site 3135
Facility 351643
845 66th Ave, Oakland CA
RE: Transmittal of Groundwater Monitoring Data

Dear Ms. Heberle,

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 August 14, 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,

A handwritten signature in black ink, appearing to read "Christina Carrillo", is written over a faint "TRC" watermark.

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.

GROUNDWATER SAMPLING FIELD NOTES

Technician: A. Videns

Site: 3135

Project No.: 189701.0035.1643

Date: 8/14/12

Well No. MW-2

Purge Method: AV Sub DIA

Depth to Water (feet): 5.87

Depth to Product (feet):

Total Depth (feet) 22.38

LPH & Water Recovered (gallons):

Water Column (feet): 16.51

Casing Diameter (Inches): 2

80% Recharge Depth(feet): 9.17

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							2.37	-90	
1015			3	855.5	23.7	7.30			
			6	765.2	24.6	7.23			
			9	772.4	24.0	7.20			
	1019		12	783.1	24.1	7.16			
Static at Time Sampled			Total Gallons Purged			Sample Time			
7.98			12			1025			
Comments:									

Well No. MW-6

Purge Method: AV Sub DIA

Depth to Water (feet): 6.45

Depth to Product (feet):

Total Depth (feet) 25.54

LPH & Water Recovered (gallons):

Water Column (feet): 19.09

Casing Diameter (Inches): 2

80% Recharge Depth(feet): 10.27

1 Well Volume (gallons): 4

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							2.58	-72	
1034			4	1216	23.9	7.23			
			8	1165	22.9	7.31			
	1037		12	1161	21.9	7.32			
Static at Time Sampled			Total Gallons Purged			Sample Time			
7.19			12			1047			
Comments:									

GROUNDWATER SAMPLING FIELD NOTES

Technician: A. Vickers

Site: 3135

Project No.: 189791.0035.1643

Date: 8/14/12

Well No. MW-5

Purge Method: AV-Sub DIA

Depth to Water (feet): 6.59

Depth to Product (feet):

Total Depth (feet): 25.95

LPH & Water Recovered (gallons):

Water Column (feet): 19.36

Casing Diameter (Inches): 2

80% Recharge Depth(feet): 10.46

1 Well Volume (gallons): 4

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							2.87	96	
0852			4	984.4	21.7	6.56			
			8	1019	21.2	6.50			
	0855		12	1038	21.3	6.47			
Static at Time Sampled			Total Gallons Purged			Sample Time			
7.63			12			0902			
Comments:									

Well No. MW-4

Purge Method: AV-Sub DIA

Depth to Water (feet): 7.39

Depth to Product (feet):

Total Depth (feet): 25.04

LPH & Water Recovered (gallons):

Water Column (feet): 17.65

Casing Diameter (Inches): 2

80% Recharge Depth(feet): 10.92

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							3.51	34	
0912	0914		3	983.8	22.7	7.39			
			6						
			9						
Static at Time Sampled			Total Gallons Purged			Sample Time			
9.83			4			1110			
Comments: <u>Dry at 4 gals. Did not recover in 45 minutes.</u>									

GROUNDWATER SAMPLING FIELD NOTES

Technician: A. Vidners

Site: 3/35

Project No.: 181791.0035.1643

Date: 8/14/12

Well No. MW-3

Purge Method: AV-Sub DIA

Depth to Water (feet): 5.23

Depth to Product (feet):

Total Depth (feet) 21.42

LPH & Water Recovered (gallons):

Water Column (feet): 16.19

Casing Diameter (Inches): 2

80% Recharge Depth(feet): 8.47

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							3.01	-56	
0921			3	1062	21.6	7.12			
			6	1079	21.7	7.08			
	0924		9	1071	21.4	7.06			
Static at Time Sampled			Total Gallons Purged			Sample Time			
8.47			9			0937			
Comments:									

Well No. MW-1

Purge Method: AV-Sub DIA

Depth to Water (feet): 7.15

Depth to Product (feet):

Total Depth (feet) 22.51

LPH & Water Recovered (gallons):

Water Column (feet): 15.36

Casing Diameter (Inches): 2

80% Recharge Depth(feet): 10.22

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							2.96	-74	
0952			3	1488	22.4	7.18			
			6	1268	23.7	7.27			
			9	1417	23.2	7.14			
			12	1466	22.7	7.12			
	0957		15	1501	22.9	7.09			
Static at Time Sampled			Total Gallons Purged			Sample Time			
9.21			15			1003			
Comments:									

GROUNDWATER SAMPLING FIELD NOTES

Technician: Basilio

Site: 3135

Project No.: 189791.0035.1643

Date: 8-14-12

Well No. MW-7

Purge Method: Sub

Depth to Water (feet): 6.58

Depth to Product (feet): —

Total Depth (feet) 19.75

LPH & Water Recovered (gallons): —

Water Column (feet): 13.17

Casing Diameter (Inches): 2

80% Recharge Depth(feet): 9.21

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							0.48	192	
0837			3	1142	22.3	6.72			
			6	1157	22.9	6.53			
	0841		9	1149	22.8	6.43			
Static at Time Sampled			Total Gallons Purged			Sample Time			
8.96			9			0847			
Comments:									

Well No. MW-9

Purge Method: Sub

Depth to Water (feet): 6.77

Depth to Product (feet): —

Total Depth (feet) 22.95

LPH & Water Recovered (gallons): —

Water Column (feet): 16.18

Casing Diameter (Inches): 2

80% Recharge Depth(feet): 10.00

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							3.05	161	
0909			3	508.4	20.7	6.77			
			6	504.2	20.2	6.70			
	0914		9	572.7	20.4	6.51			
Static at Time Sampled			Total Gallons Purged			Sample Time			
7.32			9			0922			
Comments:									

GROUNDWATER SAMPLING FIELD NOTES

Technician: Basilis

Site: 3135

Project No.: 189791,0035.1643

Date: 8-14-12

Well No. MW-8

Purge Method: Sub

Depth to Water (feet): 7.00

Depth to Product (feet): —

Total Depth (feet): 23.34

LPH & Water Recovered (gallons): —

Water Column (feet): 16.34

Casing Diameter (Inches): 2

80% Recharge Depth(feet): 10.26

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									
0945			3	690.6	20.3	6.45	1.48	132	
			6	709.3	20.3	6.32			
	0950		9	720.1	20.2	6.18			
Static at Time Sampled			Total Gallons Purged			Sample Time			
8.35			9			1000			
Comments:									

Well No. MW-11

Purge Method: Sub

Depth to Water (feet): 5.03

Depth to Product (feet): —

Total Depth (feet): 20.35

LPH & Water Recovered (gallons): —

Water Column (feet): 15.32

Casing Diameter (Inches): 2

80% Recharge Depth(feet): 8.09

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									
1018			3	1487	24.0	6.97	1.09	110	
			6	1580	24.7	6.88			
	1023		9	1592	24.7	6.84			
Static at Time Sampled			Total Gallons Purged			Sample Time			
6.28			9			1030			
Comments:									



GROUNDWATER SAMPLING FIELD NOTES

Technician: Basilio

Site: 3135

Project No.: 189791.0035.1643

Date: 8-14-12

Well No. MW-10

Purge Method: Sub

Depth to Water (feet): 5.40

Depth to Product (feet): -

Total Depth (feet) 20.05

LPH & Water Recovered (gallons): -

Water Column (feet): 14.65

Casing Diameter (Inches): 2

80% Recharge Depth(feet): 8.33

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							1.50	68	
1055			3	1355	24.0	6.94			
			6	1330	23.0	6.78			
	1100		9	1326	22.2	6.67			
Static at Time Sampled			Total Gallons Purged			Sample Time			
5.70			9			1110			
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:									

WELL BOX CONDITION REPORT

SITE NO. 3135
 ADDRESS 845 66th Ave. Oakland, CA
 DATE 8/14/12

PERFORMED BY: A. Widens
 PAGE 1 OF 2

Well Name	Current Well Box Size	# of Ears	# of Stipped 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-5	12"	2																		OK
Mw-4	12"	2																		OK
Mw-3	12"	2																		OK
Mw-1	12"	2	2																	Howe 2' technique
Mw-2	12"	2																		OK
Mw-6	12"	2																		OK



TRC SOLUTIONS
TECHNICAL SERVICES REQUEST FORM

07-Aug-12

Site ID: 3135
Address 845 66th Avenue
City: Oakland
Cross Street San Leandro St.

Project No.: 189791.0035.1643 / 00TA01
Client: Roya Kambin
Contact #: 925-790-6270
PM: Jim Harms AECOM
PM Contact #: 916-361-6412

Total number of wells:	11	Min. Well Diameter (in.):	2	# of Techs, # of Hrs:	2, 5
Depth to Water (ft.):	5	Max. Well Diameter (in.):	2	Travel Time (hrs):	1
		Max. Well Depth (ft):	26	Hotel PO#:	

ACTIVITIES: Frequency

Gauging: Semi Q1/Q3
Purge/Sampling: Semi Q1/Q3
No Purge/Sampl

Notes

RELATED ACTIVITIES Note

Drums:
Other Activities: No Parking signs
Traffic Control: City of Oakland

PERMIT INFORMATION:

No parking signs to be posted no later than 48 hours before event.

NOTIFICATIONS:

76 Station: 510-638-4740

Tom Huynh, Coliseum Gas & Food Mart, 510-301-1371

SITE INFORMATION:

Please bring tools to re-tap 2 ears on MW-9.

TRC SOLUTIONS
TECHNICAL SERVICES REQUEST FORM

07-Aug-12

Site ID: 3135
Address 845 66th Avenue
City: Oakland
Cross Street San Leandro St.

Project No.: 189791.0035.1643 / 00TA01
Client: Roya Kambin
Contact #: 925-790-6270
PM: Jim Harms AECOM
PM Contact #: 916-361-6412

LAB INFORMATION:

Global ID: T0600101488
Lab WO: 351643

Lab Used: BC Labs

Lab Notes: Lab analyses for all wells:
TPH-D by 8015M [Containers: two 1Qt ambers unpreserved]
TPH-G by GC/MS, BTEX/MTBE/OXYS by 8260B, EDB/EDC by 8260B, Ethanol by 8260B [Containers: 3 voas w/HCl]

Additional Analyses for MW-1, MW-2, MW-3, MW-4, MW-6, MW-5, MW-7, MW-8, MW-9, MW-10:
Ferrous Iron [Containers: one 500 mL poly w/ HCl]
Nitrate, Sulfate [Containers: one 500 mL poly unpreserved]

Due to short holding times, sampling cannot be done on Friday.

TRC SOLUTIONS
TECHNICAL SERVICES REQUEST FORM

07-Aug-12

Site ID.: 3135
 Address 845 66th Avenue
 City: Oakland
 Cross Street San Leandro St.

Well IDs	Benz	MTBE	Gauging				Sampling				Field Measurements			Comments
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Pre-Purge	Post-Purge	Type	
MW-9	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	D.O., ORP	2" casing
MW-8	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	D.O., ORP	2" casing
MW-7	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	D.O., ORP	2" casing
MW-5	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	D.O., ORP	2" casing
MW-4	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	D.O., ORP	2" casing
MW-11	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	D.O., ORP	2" casing
MW-3	0	1.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	D.O., ORP	2" casing
MW-1	0	2.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	D.O., ORP	2" casing
MW-10	0	2.7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	D.O., ORP	2" casing
MW-2	0	7.5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	D.O., ORP	2" casing
MW-6	0.64	3.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	D.O., ORP	2" casing

ATTACHMENT B
HISTORIC GROUNDWATER DATA

ATTACHMENT B
HISTORIC ANALYTICAL RESULTS - THROUGH FEBRUARY 2012
CHEVRON STATION #351643, FORMER UNOCAL STATION #3135
6535 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	Ground-Water Elevation (feet)	TPH-G (8015) (µg/l)	TPH-G (8260) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Redox Potential (ORP-Lab)
MW-1															
5/11/1990	--	--	--	22000	--	590	42	1200	3600	--	--	--	--	--	--
8/28/1990	--	--	--	1700	--	140	1.4	180	150	--	--	--	--	--	--
11/26/1990	--	--	--	2900	--	160	2.3	330	320	--	--	--	--	--	--
2/21/1991	--	--	--	26000	--	280	39	1200	1900	--	--	--	--	--	--
8/5/1991	--	--	--	1200	--	95	6.2	230	80	--	--	--	--	--	--
11/5/1991	--	--	--	4900	--	80	ND	150	160	--	--	--	--	--	--
2/7/1992	--	--	--	220	--	2.1	ND	10	16	--	--	--	--	--	--
5/5/1992	--	--	--	310	--	5.7	ND	7.1	15	--	--	--	--	--	--
8/3/1992	--	--	--	980	--	22	0.69	77	82	--	--	--	--	--	--
11/3/1992	--	--	--	1100	--	28	ND	80	78	--	--	--	--	--	--
2/3/1993	--	--	--	94	--	ND	ND	1.4	1.6	--	--	--	--	--	--
3/1/1993	5.18	7.30	-2.12	--	--	--	--	--	--	--	--	--	--	--	--
4/1/1993	5.18	7.12	-1.94	--	--	--	--	--	--	--	--	--	--	--	--
5/17/1993	5.18	8.25	-3.07	960	--	39	ND	57	60	--	--	--	--	--	--
6/15/1993 ¹	5.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/14/1993	5.18	9.48	-4.30	--	--	--	--	--	--	--	--	--	--	--	--
8/13/1993	5.18	10.00	-4.82	860	--	3.5	ND	17	20	--	--	--	--	--	--
9/13/1993	5.18	10.40	-5.22	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1993	5.18	10.73	-5.55	--	--	--	--	--	--	--	--	--	--	--	--
11/11/1993	4.99	10.80	-5.81	930	--	7.3	ND	25	19	--	--	--	--	--	--
12/14/1993	4.99	9.50	-4.51	--	--	--	--	--	--	--	--	--	--	--	--
1/10/1994	4.99	9.80	-4.81	--	--	--	--	--	--	--	--	--	--	--	--
2/10/1994	4.99	8.58	-3.59	170	--	0.9	2.3	ND	ND	--	--	--	--	--	--
3/14/1994	4.99	7.73	-2.74	--	--	--	--	--	--	--	--	--	--	--	--
4/23/1994	4.99	8.28	-3.29	--	--	--	--	--	--	--	--	--	--	--	--
5/5/1994	4.99	8.11	-3.12	96	--	ND	ND	ND	ND	--	--	--	--	--	--
6/7/1994	4.99	8.09	-3.10	--	--	--	--	--	--	--	--	--	--	--	--
7/5/1994	4.99	8.43	-3.44	--	--	--	--	--	--	--	--	--	--	--	--
8/2/1994	4.99	8.76	-3.77	700	--	13	0.62	2	3.6	--	--	--	--	--	--
11/7/1994	4.99	8.26	-3.27	890	--	16	ND	31	21	--	--	--	--	--	--
12/3/1994	4.99	6.59	-1.60	--	--	--	--	--	--	--	--	--	--	--	--
1/10/1995	4.99	6.12	-1.13	--	--	--	--	--	--	--	--	--	--	--	--
2/1/1995	4.99	6.04	-1.05	120	--	1.7	ND	ND	ND	--	--	--	--	--	--
3/3/1995	4.99	6.73	-1.74	--	--	--	--	--	--	--	--	--	--	--	--
5/2/1995	4.99	6.57	-1.58	460	--	14	ND	14	13	--	--	--	--	--	--
8/1/1995	4.99	7.70	-2.71	190	--	4	ND	3.7	2.4	--	--	--	--	--	--
11/1/1995	4.99	9.08	-4.09	160	--	2.5	ND	0.82	0.57	280	--	--	--	--	--
2/1/1996	4.99	6.22	-1.23	240	--	8.7	2	ND	0.66	250	--	--	--	--	--
2/4/1997	4.99	8.48	-3.49	120	--	0.58	ND	ND	ND	150	--	--	--	--	--
2/5/1998	4.99	5.50	-0.51	130	--	1.3	ND	2.7	11	220	--	--	--	--	--
2/4/1999	4.99	6.58	-1.59	1600	--	74	16	ND	ND	680	850	--	7.0	4.4	-54
2/12/1999	--	--	--	--	--	--	--	--	--	--	--	3300	--	--	470
2/2/2000	4.99	6.69	-1.70	174	--	5.70	1.41	ND	ND	839	787	45.6	ND	13.7	484
3/5/2001	4.99	6.58	-1.59	510	--	12.7	0.875	2.57	ND	572	585	16.1	3.41	7.12	492
8/10/2001	4.99	7.31	-2.32	--	--	--	--	--	--	--	--	--	--	--	--
2/22/2002	4.96	6.25	-1.29	910	--	2	<1.0	2.3	<1.0	410	500	<100	<0.50	3.4	210
3/10/2003	4.96	6.89	-1.93	--	<500	<5.0	<5.0	<5.0	<10	--	480	4200	<1.0	8.3	180
2/5/2004	4.96	6.40	-1.44	--	600	<0.50	<0.50	<0.50	2.7	--	36	3000	<1.0	3.4	--
8/26/2004	4.96	7.60	-2.64	--	290	<0.5	<0.5	<0.5	<1	--	4.6	3200	<0.88	11	--
2/14/2005	4.96	6.53	-1.57	--	230	<0.50	<0.50	<0.50	<1.0	--	26	2000	<1.0	41	-89
9/27/2005	4.96	7.93	-2.97	--	190	<0.50	<0.50	<0.50	<1.0	--	1.2	6200	<0.10	52	--
3/27/2006	4.96	5.41	-0.45	--	460	<0.50	<0.50	0.91	<1.0	--	4.7	2700	<1.0	22	--
9/20/2006	4.96	7.70	-2.74	--	220	<0.50	<0.50	<0.50	<0.50	--	1.8	4900	<0.10	23	--
3/20/2007	4.96	6.45	-1.49	--	300	<0.50	<0.50	<0.50	<0.50	--	2.6	4700	<0.10	26	--
9/26/2007	4.96	7.94	-2.98	--	69	<0.50	<0.50	<0.50	<0.50	--	3.1	2200	<0.10	65	--
3/24/2008	4.96	6.61	-1.65	--	250	<0.50	<0.50	<0.50	<1.0	--	2.2	2800	<0.10	24	--
9/17/2008	4.96	7.84	-2.88	--	140	<0.50	<0.50	<0.50	<1.0	--	2.5	18000	<0.10	68	--

ATTACHMENT B

HISTORIC ANALYTICAL RESULTS - THROUGH FEBRUARY 2012
 CHEVRON STATION #351643, FORMER UNOCAL STATION #3135
 6535 SAN LEANDRO STREET
 OAKLAND, CALIFORNIA

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	Ground-Water Elevation (feet)	TPH-G (8015) (µg/l)	TPH-G (8260) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Redox Potential (ORP-Lab)
3/24/2009	4.96	6.16	-1.20	--	460	<0.50	<0.50	<0.50	<1.0	--	1.9	5600	<0.10	20	--
9/23/2009	4.96	7.74	-2.78	--	110	<0.50	<0.50	<0.50	<1.0	--	2.2	5100	<0.10	58	--
3/22/2010	4.96	5.94	-0.98	--	290	<0.50	<0.50	0.52	<1.0	--	1.4	2000	<0.10	18	--
9/27/2010	4.96	7.73	-2.77	--	89	<0.50	<0.50	0.52	<1.0	--	1.8	12000	<0.10	33	--
3/22/2011	4.96	5.34	-0.38	--	540	<0.50	<0.50	0.52	<1.0	--	1.4	12000	<0.10	12	--
09/07/2011	4.96	7.04	-2.08	--	140	<0.50	<0.50	<0.50	<1.0	--	0.92	17000	<0.10	16	--
02/06/2012	4.96	6.38	-1.42	--	63	<0.50	<0.50	<0.50	<1.0	--	2.6	11000	<0.10	33	--
MW-2															
5/11/1990	--	--	--	65000	--	3300	3300	4100	12000	--	--	--	--	--	--
8/28/1990	--	--	--	27000	--	2600	1300	1900	3000	--	--	--	--	--	--
11/26/1990	--	--	--	15000	--	1600	450	1100	2100	--	--	--	--	--	--
2/21/1991	--	--	--	3400	--	160	61	200	490	--	--	--	--	--	--
8/5/1991	--	--	--	33000	--	2900	190	3400	7900	--	--	--	--	--	--
11/5/1991	--	--	--	110000	--	4200	200	3400	8600	--	--	--	--	--	--
2/7/1992	--	--	--	11000	--	1400	30	1900	1400	--	--	--	--	--	--
5/5/1992	--	--	--	26000	--	2300	110	2700	6900	--	--	--	--	--	--
8/3/1992	--	--	--	37000	--	4500	480	3300	9700	--	--	--	--	--	--
11/3/1992	--	--	--	40000	--	5600	130	3000	6100	--	--	--	--	--	--
2/3/1993	--	--	--	9300	--	780	68	830	1200	--	--	--	--	--	--
3/1/1993	3.83	5.92	-2.09	--	--	--	--	--	--	--	--	--	--	--	--
4/1/1993	3.83	5.76	-1.93	--	--	--	--	--	--	--	--	--	--	--	--
5/17/1993	3.83	7.08	-3.25	46000	--	4400	510	2900	9900	--	--	--	--	--	--
6/15/1993	3.83	7.02	-3.19	--	--	--	--	--	--	--	--	--	--	--	--
7/14/1993	3.83	8.13	-4.30	--	--	--	--	--	--	--	--	--	--	--	--
8/13/1993	3.83	8.64	-4.81	44000	--	5100	600	2900	8500	--	--	--	--	--	--
9/13/1993	3.83	9.00	-5.17	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1993	3.83	9.03	-5.20	--	--	--	--	--	--	--	--	--	--	--	--
11/11/1993	3.57	9.22	-5.65	36000	--	4800	970	3000	8100	--	--	--	--	--	--
12/14/1993	3.57	8.05	-4.48	--	--	--	--	--	--	--	--	--	--	--	--
1/10/1994	3.57	8.29	-4.72	--	--	--	--	--	--	--	--	--	--	--	--
2/10/1994	3.57	6.93	-3.36	12000	--	1000	17	880	940	--	--	--	--	--	--
3/14/1994	3.57	6.41	-2.84	--	--	--	--	--	--	--	--	--	--	--	--
4/23/1994	3.57	6.66	-3.09	--	--	--	--	--	--	--	--	--	--	--	--
5/5/1994	3.57	6.38	-2.81	36000	--	3200	670	2700	9600	--	--	--	--	--	--
6/7/1994	3.57	6.33	-2.76	--	--	--	--	--	--	--	--	--	--	--	--
7/5/1994	3.57	6.52	-2.95	--	--	--	--	--	--	--	--	--	--	--	--
8/2/1994	3.57	6.75	-3.18	32000	--	2400	2200	2900	12000	--	--	--	--	--	--
11/7/1994	3.57	6.04	-2.47	49000	--	1700	2000	3000	10000	--	--	--	--	--	--
12/3/1994	3.57	4.95	-1.38	--	--	--	--	--	--	--	--	--	--	--	--
1/10/1995	3.57	4.59	-1.02	--	--	--	--	--	--	--	--	--	--	--	--
2/1/1995	3.57	4.54	-0.97	9300	--	300	210	630	2600	--	--	--	--	--	--
3/3/1995	3.57	5.17	-1.60	--	--	--	--	--	--	--	--	--	--	--	--
5/2/1995	3.57	5.03	-1.46	5600	--	150	ND	150	180	--	--	--	--	--	--
8/1/1995	3.57	6.16	-2.59	13000	--	700	140	1400	5500	--	--	--	--	--	--
11/1/1995	3.57	7.30	-3.73	18000	--	490	110	1300	4600	190	--	--	--	--	--
2/1/1996	3.57	4.57	-1.00	22000	--	470	77	1400	5900	ND	--	--	--	--	--
2/4/1997	3.57	7.10	-3.53	100	--	ND	0.89	ND	ND	81	--	--	--	--	--
2/5/1998	3.57	4.12	-0.55	330	--	2.6	2.6	17	58	5.5	--	--	--	--	--
8/28/1998	3.57	6.26	-2.69	--	--	--	--	--	--	--	--	--	--	--	--
2/4/1999	3.57	5.01	-1.44	ND	--	ND	0.54	0.6	1.5	19	16	--	ND	12	-104
2/12/1999	--	--	--	--	--	--	--	--	--	--	--	4300	--	--	380
2/2/2000	3.57	5.35	-1.78	ND	--	ND	ND	ND	ND	163	150	1700	ND	15.2	55.3
3/5/2001	3.57	5.26	-1.69	658	--	5.53	ND	70	152	108	--	81.2	2.91	53.7	480
8/10/2001	3.57	6.03	-2.46	--	--	--	--	--	--	--	--	--	--	--	--
2/22/2002	3.56	4.81	-1.25	<50	--	<0.50	<0.50	<0.50	<0.50	16	18	<100	<0.50	38	270
3/10/2003	3.56	6.72	-3.16	--	430	2.8	<0.50	48	76	--	68	11000	<1.0	34	110
2/5/2004	3.56	4.65	-1.09	--	<50	<0.50	<0.50	<0.50	<1.0	--	10	7600	<1.0	26	--

ATTACHMENT B

HISTORIC ANALYTICAL RESULTS - THROUGH FEBRUARY 2012
 CHEVRON STATION #351643, FORMER UNOCAL STATION #3135
 6535 SAN LEANDRO STREET
 OAKLAND, CALIFORNIA

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	Ground-Water Elevation (feet)	TPH-G (8015) (µg/l)	TPH-G (8260) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Redox Potential (ORP-Lab)
8/26/2004	3.56	5.86	-2.30	--	210	<0.5	<0.5	0.62	1.1	--	1.7	7000	<0.44	3.3	--
2/14/2005	3.56	5.39	-1.83	--	290	<0.50	<0.50	1.8	1.9	--	5.7	4600	<1.0	24	--
9/27/2005	3.56	6.53	-2.97	--	580	0.91	<0.50	16	21	--	45	32000	<0.10	4.2	--
3/27/2006	3.56	5.25	-1.69	--	1800	4.3	<0.50	81	84	--	32	37000	<0.10	15	--
9/20/2006	3.56	6.39	-2.83	--	520	<0.50	<0.50	2.8	1.9	--	32	24000	<0.10	9.4	--
3/20/2007	3.56	5.17	-1.61	--	2100	2.2	<0.50	62	52	--	31	64000	<0.10	2.7	--
9/26/2007	3.56	6.52	-2.96	--	790	2.3	<0.50	49	47	--	25	21000	<0.10	<1.0	--
3/24/2008	3.56	5.31	-1.75	--	1600	1.5	<0.50	56	35	--	35	20000	<0.10	27	--
9/17/2008	3.56	6.45	-2.89	--	710	<0.50	<0.50	7.5	3.7	--	23	140000	<0.10	2.1	--
3/24/2009	3.56	5.74	-2.18	--	2000	1.5	<0.50	39	21	--	18	78000	<0.10	21	--
9/23/2009	3.56	6.43	-2.87	--	1400	2.1	<0.50	62	56	--	11	63000	<0.10	2.6	--
3/22/2010	3.56	5.41	-1.85	--	1400	<0.50	<0.50	13	5.9	--	13	32000	<0.10	33	--
9/27/2010	3.56	6.46	-2.90	--	910	0.52	<0.50	25	13	--	13	110000	<0.10	4.5	--
3/22/2011	3.56	4.93	-1.37	--	1100	<0.50	<0.50	18	5.9	--	10	26000	<0.10	15	--
09/07/2011	3.56	4.98	-1.42	--	480	<0.50	<0.50	6.4	2.5	--	8.9	44000	<0.10	<1.0	--
02/06/2012	3.56	5.42	-1.86	--	930	<0.50	<0.50	2.3	<1.0	--	7.5	49000	<0.10	6.0	--
MW-3															
5/11/1990	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
8/28/1990	--	--	--	ND	--	ND	ND	ND	0.7	--	--	--	--	--	--
11/26/1990	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
2/21/1991	--	--	--	ND	--	ND	ND	ND	0.64	--	--	--	--	--	--
8/5/1991	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
11/5/1991	--	--	--	31	--	ND	ND	ND	0.65	--	--	--	--	--	--
2/7/1992	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
5/5/1992	--	--	--	ND	--	ND	ND	0.43	1.8	--	--	--	--	--	--
8/3/1992	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
11/3/1992	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
2/3/1993	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
3/1/1993	3.30	4.84	-1.54	--	--	--	--	--	--	--	--	--	--	--	--
4/1/1993	3.30	4.60	-1.30	--	--	--	--	--	--	--	--	--	--	--	--
5/17/1993	3.30	5.47	-2.17	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
6/15/1993	3.30	5.57	-2.27	--	--	--	--	--	--	--	--	--	--	--	--
7/14/1993	3.30	6.92	-3.62	--	--	--	--	--	--	--	--	--	--	--	--
8/13/1993	3.30	7.85	-4.55	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
9/13/1993	3.30	8.42	-5.12	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1993	3.30	8.90	-5.60	--	--	--	--	--	--	--	--	--	--	--	--
11/11/1993	3.12	8.92	-5.80	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
12/14/1993	3.12	7.36	-4.24	--	--	--	--	--	--	--	--	--	--	--	--
1/10/1994	3.12	7.54	-4.42	--	--	--	--	--	--	--	--	--	--	--	--
2/10/1994	3.12	6.23	-3.11	ND	--	ND	ND	ND	0.84	--	--	--	--	--	--
3/14/1994	3.12	5.56	-2.44	--	--	--	--	--	--	--	--	--	--	--	--
4/23/1994	3.12	7.72	-4.60	--	--	--	--	--	--	--	--	--	--	--	--
5/5/1994	3.12	5.50	-2.38	62	--	ND	ND	ND	ND	--	--	--	--	--	--
6/7/1994	3.12	5.35	-2.23	--	--	--	--	--	--	--	--	--	--	--	--
7/2/1994	3.12	5.46	-2.34	--	--	--	--	--	--	--	--	--	--	--	--
8/2/1994	3.12	5.84	-2.72	150	--	ND	ND	ND	ND	--	--	--	--	--	--
11/7/1994	3.12	6.05	-2.93	94	--	ND	ND	ND	ND	--	--	--	--	--	--
12/3/1994	3.12	4.51	-1.39	--	--	--	--	--	--	--	--	--	--	--	--
1/10/1995	3.12	3.82	-0.70	--	--	--	--	--	--	--	--	--	--	--	--
2/1/1995	3.12	3.84	-0.72	100	--	ND	ND	ND	ND	--	--	--	--	--	--
3/3/1995	3.12	4.27	-1.15	--	--	--	--	--	--	--	--	--	--	--	--
5/2/1995	3.12	4.11	-0.99	360	--	ND	ND	ND	ND	--	--	--	--	--	--
8/1/1995	3.12	5.10	-1.98	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
11/1/1995	3.12	6.65	-3.53	ND	--	ND	ND	ND	ND	200	--	--	--	--	--
2/1/1996	3.12	4.29	-1.17	ND	--	ND	ND	ND	ND	190	--	--	--	--	--
2/4/1997	3.12	6.43	-3.31	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--
2/5/1998	3.12	4.68	-1.56	ND	--	ND	ND	ND	ND	490	--	--	--	--	--

ATTACHMENT B

HISTORIC ANALYTICAL RESULTS - THROUGH FEBRUARY 2012
 CHEVRON STATION #351643, FORMER UNOCAL STATION #3135
 6535 SAN LEANDRO STREET
 OAKLAND, CALIFORNIA

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	Ground-Water Elevation (feet)	TPH-G (8015) (µg/l)	TPH-G (8260) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Redox Potential (ORP-Lab)
2/4/1999	3.12	4.62	-1.50	ND	--	ND	ND	ND	ND	480	530	--	ND	47	-064
2/12/1999	--	--	--	--	--	--	--	--	--	--	--	1400	--	--	460
2/2/2000	3.12	5.16	-2.04	ND	--	ND	ND	ND	ND	250	346	123	ND	26	45
3/5/2001	3.12	5.07	-1.95	ND	--	ND	ND	ND	ND	167	--	27.9	3.52	70.1	476
8/10/2001	3.12	5.82	-2.70	--	--	--	--	--	--	--	--	--	--	--	--
2/22/2002	3.12	4.58	-1.46	<50	--	<0.50	<0.50	<0.50	<0.50	240	280	<100	<0.50	49	250
3/10/2003	3.12	4.73	-1.61	--	<50	<0.50	<0.50	<0.50	<1.0	--	100	10000	<1.0	76	200
2/5/2004	3.12	4.20	-1.08	--	<50	<0.50	<0.50	<0.50	<1.0	--	11	7300	<1.0	68	--
8/26/2004	3.12	5.61	-2.49	--	<50	<0.5	<0.5	<0.5	<1	--	2.9	7200	<0.44	15	--
2/14/2005	3.12	4.98	-1.86	--	<50	<0.50	<0.50	<0.50	<1.0	--	5.2	2200	<1.0	50	-58
9/27/2005	3.12	6.05	-2.93	--	<50	<0.50	<0.50	<0.50	<1.0	--	3.6	7900	<0.10	34	--
3/27/2006	3.12	5.22	-2.10	--	<50	<0.50	<0.50	<0.50	<1.0	--	3.3	7300	<0.20	120	--
9/20/2006	3.12	5.82	-2.70	--	<50	<0.50	<0.50	<0.50	<0.50	--	4.3	6100	<0.10	94	--
3/20/2007	3.12	5.25	-2.13	--	<50	<0.50	<0.50	<0.50	<0.50	--	3.2	7900	<0.10	95	--
9/26/2007	3.12	6.05	-2.93	--	<50	<0.50	<0.50	<0.50	<0.50	--	3.8	8000	<0.10	57	--
3/24/2008	3.12	5.30	-2.18	--	<50	<0.50	<0.50	<0.50	<1.0	--	2.4	7400	<0.10	76	--
9/17/2008	3.12	5.94	-2.82	--	<50	<0.50	<0.50	<0.50	<1.0	--	2.5	12000	<0.10	39	--
3/24/2009	3.12	5.19	-2.07	--	<50	<0.50	<0.50	<0.50	<1.0	--	1.2	6500	<0.10	110	--
9/23/2009	3.12	5.82	-2.70	--	<50	<0.50	<0.50	<0.50	<1.0	--	2.6	3900	<0.10	52	--
3/22/2010	3.12	5.00	-1.88	--	<50	<0.50	<0.50	<0.50	<1.0	--	0.90	1100	<0.10	53	--
9/27/2010	3.12	5.83	-2.71	--	<50	<0.50	<0.50	<0.50	<1.0	--	2.2	4400	<0.10	32	--
3/22/2011	3.12	4.85	-1.73	--	<50	<0.50	<0.50	<0.50	<1.0	--	1.0	9100	<0.10	89	--
09/07/2011	3.12	5.15	-2.03	--	<50	<0.50	<0.50	<0.50	<1.0	--	1.4	11000	<0.10	42	--
02/06/2012	3.12	4.98	-1.86	--	<50	<0.50	<0.50	<0.50	<1.0	--	1.6	9700	<0.10	38	--
MW-4															
8/28/1990	--	--	--	62000	--	810	72	4400	4600	--	--	--	--	--	--
11/26/1990	--	--	--	49000	--	360	36	3800	11000	--	--	--	--	--	--
2/21/1991	--	--	--	33000	--	210	21	3800	12000	--	--	--	--	--	--
8/5/1991	--	--	--	37000	--	310	70	3600	9700	--	--	--	--	--	--
11/5/1991	--	--	--	140000	--	320	ND	4800	13000	--	--	--	--	--	--
2/7/1992	--	--	--	8100	--	24	4.9	1800	3200	--	--	--	--	--	--
5/5/1992	--	--	--	15000	--	82	12	2000	5600	--	--	--	--	--	--
8/3/1992	--	--	--	24000	--	61	ND	2100	5400	--	--	--	--	--	--
11/3/1992	--	--	--	36000	--	69	ND	3000	7400	--	--	--	--	--	--
2/3/1993	--	--	--	370	--	2.6	ND	1.2	53	--	--	--	--	--	--
3/1/1993	5.27	7.63	-2.36	--	--	--	--	--	--	--	--	--	--	--	--
4/1/1993	5.27	7.25	-1.98	--	--	--	--	--	--	--	--	--	--	--	--
5/17/1993	5.27	8.46	-3.19	2500	--	ND	ND	170	410	--	--	--	--	--	--
6/15/1993	5.27	9.00	-3.73	--	--	--	--	--	--	--	--	--	--	--	--
7/14/1993	5.27	9.74	-4.47	--	--	--	--	--	--	--	--	--	--	--	--
8/13/1993	5.27	10.23	-4.96	19000	--	ND	ND	1600	4100	--	--	--	--	--	--
9/13/1993	5.27	10.62	-5.35	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1993	5.27	10.84	-5.57	--	--	--	--	--	--	--	--	--	--	--	--
11/11/1993	4.93	10.88	-5.95	16000	--	110	12	1800	3800	--	--	--	--	--	--
12/14/1993	4.93	9.60	-4.67	--	--	--	--	--	--	--	--	--	--	--	--
1/10/1994	4.93	9.92	-4.99	--	--	--	--	--	--	--	--	--	--	--	--
2/10/1994	4.93	8.79	-3.86	830	--	3.5	1.4	36	80	--	--	--	--	--	--
3/14/1994	4.93	7.91	-2.98	--	--	--	--	--	--	--	--	--	--	--	--
4/23/1994	4.93	8.41	-3.48	--	--	--	--	--	--	--	--	--	--	--	--
5/5/1994	4.93	8.27	-3.34	6900	--	17	ND	480	1300	--	--	--	--	--	--
6/7/1994	4.93	8.27	-3.34	--	--	--	--	--	--	--	--	--	--	--	--
7/5/1994	4.93	8.58	-3.65	--	--	--	--	--	--	--	--	--	--	--	--
8/2/1994	4.93	8.91	-3.98	17000	--	38	ND	1800	4300	--	--	--	--	--	--
11/7/1994	4.93	8.64	-3.71	20000	--	84	17	1500	3000	--	--	--	--	--	--
12/3/1994	4.93	6.78	-1.85	--	--	--	--	--	--	--	--	--	--	--	--
1/10/1995	4.93	6.35	-1.42	--	--	--	--	--	--	--	--	--	--	--	--

ATTACHMENT B

HISTORIC ANALYTICAL RESULTS - THROUGH FEBRUARY 2012
 CHEVRON STATION #351643, FORMER UNOCAL STATION #3135
 6535 SAN LEANDRO STREET
 OAKLAND, CALIFORNIA

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	Ground-Water Elevation (feet)	TPH-G (8015) (µg/l)	TPH-G (8260) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Redox Potential (ORP-Lab)
2/1/1995	4.93	5.73	-0.80	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
3/3/1995	4.93	6.82	-1.89	--	--	--	--	--	--	--	--	--	--	--	--
5/2/1995	4.93	5.74	-0.81	5400	--	36	ND	130	710	--	--	--	--	--	--
8/1/1995	4.93	7.78	-2.85	7900	--	21	ND	210	860	--	--	--	--	--	--
11/1/1995	4.93	9.16	-4.23	4900	--	12	ND	190	710	210	--	--	--	--	--
2/1/1996	4.93	4.64	0.29	91	--	2.7	ND	1.2	6.8	7.8	--	--	--	--	--
2/4/1997	4.93	8.65	-3.72	130	--	0.58	ND	ND	ND	150	--	--	--	--	--
2/5/1998 ²	4.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/4/1999	4.93	4.04	0.89	ND	--	ND	ND	ND	ND	ND	--	--	5.4	15	7
2/12/1999	--	--	--	--	--	--	--	--	--	--	--	6000	--	--	610
2/2/2000	4.93	4.07	0.86	ND	--	ND	ND	ND	ND	ND	--	3000	10.3	38.4	61
3/5/2001	4.93	4.14	0.79	ND	--	ND	ND	ND	ND	2.55	--	114	4.63	5.65	474
8/10/2001	4.93	4.77	0.16	--	--	--	--	--	--	--	--	--	--	--	--
2/22/2002	5.01	3.87	1.14	<50	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	260	15	27	590
3/10/2003	5.01	4.12	0.89	--	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	1200	15	42	230
2/5/2004	5.01	5.30	-0.29	--	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	<200	<1.0	25	--
8/26/2004	5.01	7.68	-2.67	--	<50	<0.5	<0.5	<0.5	<1	--	0.50	160	0.64	87	--
2/14/2005	5.01	5.33	-0.32	--	240	<0.50	<0.50	<0.50	<1.0	--	<0.50	67	37	54	15
9/27/2005	5.01	7.97	-2.96	--	300	<0.50	<0.50	<0.50	<1.0	--	<0.50	120	0.46	63	--
3/27/2006	5.01	5.31	-0.30	--	230	<0.50	<0.50	<0.50	<1.0	--	<0.50	160	14	51	--
9/20/2006	5.01	7.74	-2.73	--	490	<0.50	<0.50	0.52	<0.50	--	<0.50	250	0.39	50	--
3/20/2007	5.01	4.16	0.85	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	540	7.3	40	--
9/26/2007	5.01	8.02	-3.01	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	<100	0.47	52	--
3/24/2008	5.01	5.47	-0.46	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	160	6.9	42	--
9/17/2008	5.01	8.06	-3.05	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	15000	<0.10	49	--
3/24/2009	5.01	5.64	-0.63	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<500	9.0	45	--
9/23/2009	5.01	7.95	-2.94	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<500	0.66	46	--
3/22/2010	5.01	5.60	-0.59	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<100	13	50	--
9/27/2010	5.01	7.95	-2.94	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<1000	2.3	51	--
3/22/2011	5.01	4.93	0.08	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<200	12	52	--
09/07/2011	5.01	7.15	-2.14	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<200	4.7	56	--
02/06/2012	5.01	7.06	-2.05	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	200	1.8	55	--
MW-5															
8/28/1990	--	--	--	ND	--	ND	ND	ND	1.2	--	--	--	--	--	--
11/26/1990	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
2/21/1991	--	--	--	56	--	ND	ND	ND	4.7	--	--	--	--	--	--
8/5/1991	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
11/5/1991	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
2/7/1992	--	--	--	ND	--	ND	ND	0.36	0.94	--	--	--	--	--	--
5/5/1992	--	--	--	ND	--	ND	ND	0.42	1.4	--	--	--	--	--	--
8/3/1992	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
11/3/1992	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
2/3/1993	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
3/1/1993	4.61	6.68	-2.07	--	--	--	--	--	--	--	--	--	--	--	--
4/1/1993	4.61	6.51	-1.90	--	--	--	--	--	--	--	--	--	--	--	--
5/17/1993	4.61	7.75	-3.14	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
6/15/1993	4.61	8.18	-3.57	--	--	--	--	--	--	--	--	--	--	--	--
7/14/1993	4.61	8.98	-4.37	--	--	--	--	--	--	--	--	--	--	--	--
8/13/1993	4.61	9.49	-4.88	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
9/13/1993	4.61	9.88	-5.27	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1993	4.61	10.04	-5.43	--	--	--	--	--	--	--	--	--	--	--	--
11/11/1993	4.27	10.13	-5.86	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
12/14/1993	4.27	8.85	-4.58	--	--	--	--	--	--	--	--	--	--	--	--
1/10/1994	4.27	9.10	-4.83	--	--	--	--	--	--	--	--	--	--	--	--
2/10/1994	4.27	7.71	-3.44	ND	--	ND	ND	ND	0.59	--	--	--	--	--	--
3/14/1994	4.27	7.02	-2.75	--	--	--	--	--	--	--	--	--	--	--	--
4/23/1994	4.27	7.57	-3.30	--	--	--	--	--	--	--	--	--	--	--	--

ATTACHMENT B

HISTORIC ANALYTICAL RESULTS - THROUGH FEBRUARY 2012
 CHEVRON STATION #351643, FORMER UNOCAL STATION #3135
 6535 SAN LEANDRO STREET
 OAKLAND, CALIFORNIA

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	Ground-Water Elevation (feet)	TPH-G (8015) (µg/l)	TPH-G (8260) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Redox Potential (ORP-Lab)
5/5/1994	4.27	7.38	-3.11	--	--	--	--	--	--	--	--	--	--	--	--
6/7/1994	4.27	7.39	-3.12	--	--	--	--	--	--	--	--	--	--	--	--
7/5/1994	4.27	7.72	-3.45	--	--	--	--	--	--	--	--	--	--	--	--
8/2/1994	4.27	8.05	-3.78	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
11/7/1994	4.27	7.56	-3.29	--	--	--	--	--	--	--	--	--	--	--	--
12/3/1994	4.27	5.80	-1.53	--	--	--	--	--	--	--	--	--	--	--	--
1/10/1995	4.27	5.37	-1.10	--	--	--	--	--	--	--	--	--	--	--	--
2/1/1995	4.27	5.24	-0.97	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
3/3/1995	4.27	5.99	-1.72	--	--	--	--	--	--	--	--	--	--	--	--
5/2/1995	4.27	5.85	-1.58	--	--	--	--	--	--	--	--	--	--	--	--
8/1/1995	4.27	7.00	-2.73	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
11/1/1995	4.27	8.40	-4.13	--	--	--	--	--	--	--	--	--	--	--	--
2/1/1996	4.27	5.45	-1.18	ND	--	ND	ND	ND	ND	0.72	--	--	--	--	--
2/4/1997	4.27	7.82	-3.55	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--
2/5/1998	4.27	3.85	0.42	ND	--	ND	ND	ND	ND	490	--	--	--	--	--
2/4/1999	4.27	5.85	-1.58	ND	--	ND	ND	ND	ND	23	26	--	10	79	102
2/12/1999	--	--	--	--	--	--	--	--	--	--	--	160	--	--	480
2/2/2000	4.27	5.94	-1.67	ND	--	ND	ND	ND	ND	ND	--	20.8	12.1	98.4	83.7
3/5/2001	4.27	5.85	-1.58	ND	--	ND	ND	ND	ND	ND	--	123	3.49	5.43	470
8/10/2001	4.27	6.53	-2.26	--	--	--	--	--	--	--	--	--	--	--	--
2/22/2002	4.31	5.54	-1.23	<50	--	<0.50	<0.50	<0.50	<0.50	9.6	11	<100	<0.50	39	630
3/10/2003	4.31	6.93	-2.62	--	<50	<0.50	<0.50	<0.50	<1.0	--	6.6	2400	<1.0	47	230
2/5/2004	4.31	6.72	-2.41	--	<50	<0.50	<0.50	<0.50	<1.0	--	2.7	6900	<1.0	33	--
8/26/2004	4.31	6.90	-2.59	--	<50	<0.5	2.8	0.56	3.2	--	2.9	3100	1.8	36	--
2/14/2005	4.31	5.83	-1.52	--	<50	<0.50	<0.50	<0.50	<1.0	--	1.4	1700	2.7	54	-64
9/27/2005	4.31	7.51	-3.20	--	<50	<0.50	<0.50	<0.50	<1.0	--	0.55	2500	1.4	68	--
3/27/2006	4.31	4.63	-0.32	--	<50	<0.50	<0.50	<0.50	<1.0	--	0.92	2700	0.75	59	--
9/20/2006	4.31	6.96	-2.65	--	<50	<0.50	<0.50	<0.50	<0.50	--	1.0	3300	0.38	42	--
3/20/2007	4.31	5.77	-1.46	--	<50	<0.50	<0.50	<0.50	<0.50	--	0.62	4800	0.71	54	--
9/26/2007	4.31	7.22	-2.91	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	750	1.1	62	--
3/24/2008	4.31	5.94	-1.63	--	<50	<0.50	<0.50	<0.50	<1.0	--	0.63	2800	0.45	43	--
9/17/2008	4.31	7.30	-2.99	--	<50	<0.50	<0.50	<0.50	<1.0	--	0.72	4700	<0.10	17	--
3/24/2009	4.31	5.70	-1.39	--	51	<0.50	<0.50	<0.50	<1.0	--	0.92	6000	0.25	42	--
9/23/2009	4.31	7.21	-2.90	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	4200	0.65	55	--
3/22/2010	4.31	5.52	-1.21	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	5600	0.28	24	--
9/27/2010	4.31	7.21	-2.90	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	9,100	0.27	30	--
3/22/2011	4.31	4.88	-0.57	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	5,600	0.18	19	--
09/07/2011	4.31	6.40	-2.09	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	7,200	0.43	38	--
02/06/2012	4.31	5.95	-1.64	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	3,900	0.49	39	--
MW-6															
8/28/1990	--	--	--	12000	--	1700	1400	230	2100	--	--	--	--	--	--
11/26/1990	--	--	--	4000	--	800	120	250	440	--	--	--	--	--	--
2/21/1991	--	--	--	750	--	77	14	23	140	--	--	--	--	--	--
8/5/1991	--	--	--	860	--	130	11	92	150	--	--	--	--	--	--
11/5/1991	--	--	--	7100	--	200	ND	190	580	--	--	--	--	--	--
2/7/1992	--	--	--	180	--	22	0.68	22	20	--	--	--	--	--	--
5/5/1992	--	--	--	ND	--	ND	ND	ND	1.3	--	--	--	--	--	--
8/3/1992	--	--	--	1100	--	180	1.1	62	78	--	--	--	--	--	--
11/3/1992	--	--	--	920	--	45	0.76	12	110	--	--	--	--	--	--
2/3/1993	--	--	--	ND	--	1.2	ND	ND	ND	--	--	--	--	--	--
3/1/1993	4.31	6.20	-1.89	--	--	--	--	--	--	--	--	--	--	--	--
4/1/1993	4.31	6.04	-1.73	--	--	--	--	--	--	--	--	--	--	--	--
5/17/1993	4.31	7.50	-3.19	4900	--	890	46	210	530	--	--	--	--	--	--
6/15/1993	4.31	7.76	-3.45	--	--	--	--	--	--	--	--	--	--	--	--
7/14/1993	4.31	8.69	-4.38	--	--	--	--	--	--	--	--	--	--	--	--
8/13/1993	4.31	9.20	-4.89	2300	--	330	ND	95	40	--	--	--	--	--	--
9/13/1993	4.31	9.59	-5.28	--	--	--	--	--	--	--	--	--	--	--	--

ATTACHMENT B

HISTORIC ANALYTICAL RESULTS - THROUGH FEBRUARY 2012
 CHEVRON STATION #351643, FORMER UNOCAL STATION #3135
 6535 SAN LEANDRO STREET
 OAKLAND, CALIFORNIA

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	Ground-Water Elevation (feet)	TPH-G (8015) (µg/l)	TPH-G (8260) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Redox Potential (ORP-Lab)
10/14/1993	4.31	9.75	-5.44	--	--	--	--	--	--	--	--	--	--	--	--
11/11/1993	4.03	9.87	-5.84	3000	--	470	ND	220	270	--	--	--	--	--	--
12/14/1993	4.03	8.60	-4.57	--	--	--	--	--	--	--	--	--	--	--	--
1/10/1994	4.03	8.81	-4.78	--	--	--	--	--	--	--	--	--	--	--	--
2/10/1994	4.03	7.23	-3.20	ND	--	3.5	ND	1.5	ND	--	--	--	--	--	--
3/14/1994	4.03	6.68	-2.65	--	--	--	--	--	--	--	--	--	--	--	--
4/23/1994	4.03	7.24	-3.21	--	--	--	--	--	--	--	--	--	--	--	--
5/5/1994	4.03	7.01	-2.98	2600	--	430	99	24	420	--	--	--	--	--	--
6/7/1994	4.03	7.02	-2.99	--	--	--	--	--	--	--	--	--	--	--	--
7/5/1994	4.03	7.41	-3.38	--	--	--	--	--	--	--	--	--	--	--	--
8/2/1994	4.03	7.66	-3.63	28000	--	2200	940	1600	7500	--	--	--	--	--	--
11/7/1994	4.03	6.78	-2.75	23000	--	3800	970	1400	4700	--	--	--	--	--	--
12/3/1994	4.03	5.44	-1.41	--	--	--	--	--	--	--	--	--	--	--	--
1/10/1995	4.03	5.00	-0.97	--	--	--	--	--	--	--	--	--	--	--	--
2/1/1995	4.03	4.98	-0.95	55000	--	7700	9100	4500	20000	--	--	--	--	--	--
3/3/1995	4.03	5.71	-1.68	--	--	--	--	--	--	--	--	--	--	--	--
5/2/1995	4.03	5.58	-1.55	59000	--	4700	4400	4000	18000	--	--	--	--	--	--
8/1/1995	4.03	6.76	-2.73	23000	--	1400	510	940	7300	--	--	--	--	--	--
11/1/1995	4.03	8.10	-4.07	24000	--	1100	200	1900	6000	170	--	--	--	--	--
2/1/1996	4.03	5.09	-1.06	58000	--	2700	1800	4200	17000	ND	--	--	--	--	--
2/4/1997	4.03	7.61	-3.58	95	--	ND	1	ND	ND	96	--	--	--	--	--
2/5/1998	4.03	4.55	-0.52	44000	--	2100	1600	5200	20000	2800	--	--	--	--	--
8/28/1998	4.03	6.95	-2.92	--	--	--	--	--	--	--	--	--	--	--	--
2/4/1999	4.03	5.59	-1.56	37000	--	480	250	2900	10000	ND	--	--	--	--	--
2/12/1999	--	--	--	--	--	--	--	--	--	--	--	--	ND	4.8	-034
2/2/2000	4.03	6.24	-2.21	24300	--	313	42	1880	5490	604	357	3200	--	--	400
3/5/2001	4.03	6.29	-2.26	29300	--	272	66.8	2180	7380	1120	--	217	ND	8.91	71.5
8/10/2001	4.03	7.11	-3.08	--	--	--	--	--	--	--	--	79.1	2.95	ND	467
2/22/2002	4.05	5.37	-1.32	22000	--	180	<50	1300	3100	760	790	--	--	--	--
3/10/2003	4.05	5.95	-1.90	--	1200	13	<1.0	53	45	--	150	<100	<0.50	<0.50	540
2/5/2004	4.05	5.45	-1.40	--	8400	100	12	770	980	--	270	1700	<1.0	38	230
8/26/2004	4.05	6.76	-2.71	--	4700	15	1.2	390	470	--	180	1100	<1.0	<1.0	--
2/14/2005	4.05	5.75	-1.70	--	6600	44	8.5	640	750	--	160	5600	<0.88	1.8	--
9/27/2005	4.05	7.19	-3.14	--	2300	3.2	0.60	160	270	--	24	1500	<1.0	11	-97
3/27/2006	4.05	4.70	-0.65	--	12000	73	16	750	2300	--	90	2000	<0.10	48	--
9/20/2006	4.05	7.02	-2.97	--	2900	10	<2.5	240	160	--	47	7500	<0.10	4.6	--
3/20/2007	4.05	5.82	-1.77	--	2400	9.4	<2.5	160	290	--	28	5700	<0.10	12	--
9/26/2007	4.05	7.13	-3.08	--	780	<2.5	<2.5	74	81	--	13	6700	<0.10	38	--
3/24/2008	4.05	5.91	-1.86	--	3400	9.8	0.99	160	370	--	23	3200	<0.10	48	--
9/17/2008	4.05	7.12	-3.07	--	1600	3.5	<0.50	79	50	--	24	2500	<0.10	36	--
3/24/2009	4.05	5.56	-1.51	--	7400	33	3.7	490	1000	--	22	5800	<0.10	4.5	--
9/23/2009	4.05	6.99	-2.94	--	1100	2.7	<0.50	59	49	--	9.0	8400	<0.10	5.7	--
3/22/2010	4.05	5.27	-1.22	--	5200	15	1.4	220	480	--	10	3800	<0.10	33	--
9/27/2010	4.05	6.91	-2.86	--	850	0.89	<0.50	25	18	--	7.2	1100	<0.10	18	--
3/22/2011	4.05	4.56	-0.51	--	2000	6.9	1.0	160	350	--	4.1	5,900	<0.10	15	--
09/07/2011	4.05	6.37	-2.32	--	940	0.58	<0.50	21	9.9	--	3.3	9,500	0.16	2.2	--
02/06/2012	4.05	5.60	-1.55	--	1000	0.64	<0.50	23	11	--	3.6	6,300	<0.10	19	--
MW-7												5,600	<0.10	26	--
5/11/1993	4.84	4.52	0.32	--	--	--	--	--	--	--	--	--	--	--	--
5/17/1993	4.84	7.00	-2.16	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
6/15/1993	4.84	7.47	-2.63	--	--	--	--	--	--	--	--	--	--	--	--
7/14/1993	4.84	8.55	-3.71	--	--	--	--	--	--	--	--	--	--	--	--
8/13/1993	4.84	9.23	-4.39	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
9/13/1993	4.84	10.08	-5.24	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1993	4.84	10.25	-5.41	--	--	--	--	--	--	--	--	--	--	--	--
11/11/1993	4.42	10.27	-5.85	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
12/14/1993	4.42	8.52	-4.10	--	--	--	--	--	--	--	--	--	--	--	--

ATTACHMENT B

HISTORIC ANALYTICAL RESULTS - THROUGH FEBRUARY 2012
 CHEVRON STATION #351643, FORMER UNOCAL STATION #3135
 6535 SAN LEANDRO STREET
 OAKLAND, CALIFORNIA

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	Ground-Water Elevation (feet)	TPH-G (8015) (µg/l)	TPH-G (8260) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Redox Potential (ORP-Lab)
1/10/1994	4.42	9.30	-4.88	--	--	--	--	--	--	--	--	--	--	--	--
2/10/1994	4.42	7.93	-3.51	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
3/14/1994	4.42	6.78	-2.36	--	--	--	--	--	--	--	--	--	--	--	--
4/23/1994 ¹	4.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/5/1994	4.42	7.13	-2.71	--	--	--	--	--	--	--	--	--	--	--	--
6/7/1994	4.42	7.09	-2.67	--	--	--	--	--	--	--	--	--	--	--	--
7/5/1994	4.42	7.49	-3.07	--	--	--	--	--	--	--	--	--	--	--	--
8/2/1994	4.42	7.98	-3.56	ND	--	ND	ND	ND	0.63	--	--	--	--	--	--
11/7/1994	4.42	7.86	-3.44	--	--	--	--	--	--	--	--	--	--	--	--
12/3/1994	4.42	5.95	-1.53	--	--	--	--	--	--	--	--	--	--	--	--
1/10/1995	4.42	5.50	-1.08	--	--	--	--	--	--	--	--	--	--	--	--
2/1/1995	4.42	5.43	-1.01	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
3/3/1995	4.42	5.97	-1.55	--	--	--	--	--	--	--	--	--	--	--	--
5/2/1995	4.42	5.73	-1.31	--	--	--	--	--	--	--	--	--	--	--	--
8/1/1995	4.42	7.62	-3.20	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
11/1/1995	4.42	8.58	-4.16	--	--	--	--	--	--	--	--	--	--	--	--
2/1/1996	4.42	5.77	-1.35	ND	--	ND	ND	ND	ND	1.4	--	--	--	--	--
2/4/1997	4.42	7.64	-3.22	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--
2/5/1998 ²	4.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/4/1999	4.42	5.54	-1.12	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--
2/12/1999	--	--	--	--	--	--	--	--	--	--	--	--	ND	4.6	-71
2/2/2000	4.42	5.75	-1.33	ND	--	ND	ND	ND	ND	ND	--	1800	--	--	450
3/5/2001	4.42	5.66	-1.24	ND	--	ND	ND	ND	ND	ND	--	812	ND	6.43	84
8/10/2001	4.42	6.28	-1.86	--	--	--	--	--	--	--	--	124	3.2	ND	464
2/22/2002	4.45	4.98	-0.53	<50	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--
3/10/2003	4.45	5.39	-0.94	--	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	<100	<0.50	2.4	610
2/5/2004	4.45	5.10	-0.65	--	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	5300	<1.0	14	230
8/26/2004	4.45	6.98	-2.53	--	<50	<0.5	<0.5	<0.5	<1	--	<0.5	2600	<1.0	31	--
2/14/2005	4.45	6.19	-1.74	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	2900	<0.44	6.7	--
9/27/2005	4.45	7.45	-3.00	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	870	<1.0	41	-63
3/27/2006	4.45	4.72	-0.27	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	5700	<0.10	12	--
9/20/2006	4.45	7.20	-2.75	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	5600	<0.10	51	--
3/20/2007	4.45	6.04	-1.59	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	3600	<0.10	12	--
9/26/2007	4.45	7.51	-3.06	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	3900	<0.10	25	--
3/24/2008	4.45	4.92	-0.47	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	2900	<0.10	1.5	--
9/17/2008	4.45	7.53	-3.08	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	2200	0.21	36	--
3/24/2009	4.45	5.63	-1.18	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	13000	<0.10	3.0	--
9/23/2009	4.45	7.41	-2.96	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	12000	<0.10	27	--
3/22/2010	4.45	5.30	-0.85	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	12000	<0.10	5.2	--
9/27/2010	4.45	7.35	-2.90	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	3700	0.22	35	--
3/22/2011	4.45	4.80	-0.35	--	<50	<0.50	<0.50	0.59	1.6	--	<0.50	9300	<0.10	12	--
09/07/2011	4.45	6.25	-1.8	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	3500	0.35	30	--
02/06/2012	4.45	6.26	-1.81	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	8100	<0.10	21	--
MW-8												7100	<0.10	8.1	--
11/3/1992	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
2/3/1993	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
3/1/1993	5.12	6.64	-1.52	--	--	--	--	--	--	--	--	--	--	--	--
4/1/1993	5.12	6.55	-1.43	--	--	--	--	--	--	--	--	--	--	--	--
5/17/1993	5.12	8.25	-3.13	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
6/15/1993	5.12	8.67	-3.55	--	--	--	--	--	--	--	--	--	--	--	--
7/14/1993	5.12	9.47	-4.35	--	--	--	--	--	--	--	--	--	--	--	--
8/13/1993	5.12	10.00	-4.88	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
9/13/1993	5.12	10.40	-5.28	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1993	5.12	10.23	-5.11	--	--	--	--	--	--	--	--	--	--	--	--
11/11/1993	4.43	10.22	-5.79	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
12/14/1993	4.43	9.00	-4.57	--	--	--	--	--	--	--	--	--	--	--	--
1/10/1994	4.43	9.17	-4.74	--	--	--	--	--	--	--	--	--	--	--	--

ATTACHMENT B

HISTORIC ANALYTICAL RESULTS - THROUGH FEBRUARY 2012
 CHEVRON STATION #351643, FORMER UNOCAL STATION #3135
 6535 SAN LEANDRO STREET
 OAKLAND, CALIFORNIA

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	Ground-Water Elevation (feet)	TPH-G (8015) (µg/l)	TPH-G (8260) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Redox Potential (ORP-Lab)
2/10/1994	4.43	7.23	-2.80	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
3/14/1994	4.43	6.94	-2.51	--	--	--	--	--	--	--	--	--	--	--	--
4/23/1994	4.43	7.63	-3.20	--	--	--	--	--	--	--	--	--	--	--	--
5/5/1994	4.43	7.39	-2.96	--	--	--	--	--	--	--	--	--	--	--	--
6/7/1994	4.43	7.44	-3.01	--	--	--	--	--	--	--	--	--	--	--	--
7/5/1994	4.43	7.86	-3.43	--	--	--	--	--	--	--	--	--	--	--	--
8/2/1994	4.43	8.23	-3.80	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
11/7/1994	4.43	6.56	-2.13	--	--	--	--	--	--	--	--	--	--	--	--
12/3/1994	4.43	5.60	-1.17	--	--	--	--	--	--	--	--	--	--	--	--
1/10/1995	4.43	4.90	-0.47	--	--	--	--	--	--	--	--	--	--	--	--
2/1/1995	4.43	5.02	-0.59	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
3/3/1995	4.43	5.81	-1.38	--	--	--	--	--	--	--	--	--	--	--	--
5/2/1995	4.43	5.73	-1.30	--	--	--	--	--	--	--	--	--	--	--	--
8/1/1995	4.43	7.11	-2.68	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
11/1/1995	4.43	8.98	-4.55	--	--	--	--	--	--	--	--	--	--	--	--
2/1/1996	4.43	5.52	-1.09	ND	--	ND	ND	ND	ND	1.3	--	--	--	--	--
2/4/1997	4.43	8.07	-3.64	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--
2/5/1998	4.43	4.97	-0.54	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--
2/4/1999	4.43	6.12	-1.69	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--
2/12/1999	--	--	--	--	--	--	--	--	--	--	--	--	ND	41	90
2/2/2000	4.43	6.11	-1.68	ND	--	ND	ND	ND	ND	ND	--	150	--	--	470
3/5/2001	4.43	6.05	-1.62	ND	--	ND	ND	ND	ND	ND	--	ND	ND	47.5	111
2/22/2002	4.43	5.90	-1.47	<50	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	ND	25	28.8	455
3/10/2003	4.43	6.56	-2.13	--	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	<100	0.56	37	630
2/5/2004	4.43	6.25	-1.82	--	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	<200	<1.0	50	280
8/26/2004	4.43	7.33	-2.90	--	<50	<0.5	<0.5	<0.5	<1	--	<0.5	<200	<1.0	46	--
2/14/2005	4.43	6.09	-1.66	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<100	<0.44	50	--
9/27/2005	4.43	7.47	-3.04	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	110	<1.0	49	25
3/27/2006	4.43	5.48	-1.05	--	<50	<0.50	<0.50	<0.50	<1.0	--	1.4	<100	<0.10	51	--
9/20/2006	4.43	7.23	-2.80	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	<100	<0.10	42	--
3/20/2007	4.43	6.37	-1.94	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	<100	<0.10	46	--
9/26/2007	4.43	7.67	-3.24	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	<100	<0.10	45	--
3/24/2008	4.43	6.49	-2.06	--	<50	<0.50	<0.50	<0.50	<1.0	--	0.53	<100	<0.10	46	--
9/17/2008	4.43	7.65	-3.22	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	160	<0.10	47	--
3/24/2009	4.43	5.94	-1.51	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	140	<0.10	46	--
9/23/2009	4.43	7.64	-3.21	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<500	0.11	41	--
3/22/2010	4.43	5.74	-1.31	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<100	<0.10	42	--
9/27/2010	4.43	7.62	-3.19	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<100	<0.10	38	--
3/22/2011	4.43	4.97	-0.54	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	250	<0.10	42	--
09/07/2011	4.43	6.87	-2.44	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<100	<0.10	30	--
02/06/2012	4.43	6.1	-1.67	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	130	<0.10	38	--
MW-9												<100	<0.10	34	--
11/3/1992	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
2/3/1993	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
3/1/1993	4.84	6.22	-1.38	--	--	--	--	--	--	--	--	--	--	--	--
4/1/1993	4.84	6.17	-1.33	--	--	--	--	--	--	--	--	--	--	--	--
5/17/1993	4.84	7.95	-3.11	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
6/15/1993	4.84	8.34	-3.50	--	--	--	--	--	--	--	--	--	--	--	--
7/14/1993	4.84	9.13	-4.29	--	--	--	--	--	--	--	--	--	--	--	--
8/13/1993	4.84	9.69	-4.85	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
9/13/1993	4.84	10.10	-5.26	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1993	4.84	10.23	-5.39	--	--	--	--	--	--	--	--	--	--	--	--
11/11/1993	4.60	10.39	-5.79	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
12/14/1993	4.60	9.14	-4.54	--	--	--	--	--	--	--	--	--	--	--	--
1/10/1994	4.60	9.27	-4.67	--	--	--	--	--	--	--	--	--	--	--	--
2/10/1994	4.60	7.20	-2.60	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
3/14/1994	4.60	7.06	-2.46	--	--	--	--	--	--	--	--	--	--	--	--

ATTACHMENT B

HISTORIC ANALYTICAL RESULTS - THROUGH FEBRUARY 2012
 CHEVRON STATION #351643, FORMER UNOCAL STATION #3135
 6535 SAN LEANDRO STREET
 OAKLAND, CALIFORNIA

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	Ground-Water Elevation (feet)	TPH-G (8015) (µg/l)	TPH-G (8260) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Redox Potential (ORP-Lab)
4/23/1994	4.60	7.79	-3.19	--	--	--	--	--	--	--	--	--	--	--	--
5/5/1994	4.60	7.52	-2.92	--	--	--	--	--	--	--	--	--	--	--	--
6/7/1994	4.60	7.54	-2.94	--	--	--	--	--	--	--	--	--	--	--	--
7/5/1994	4.60	7.98	-3.38	--	--	--	--	--	--	--	--	--	--	--	--
8/2/1994	4.60	8.34	-3.74	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
11/7/1994	4.60	6.44	-1.84	--	--	--	--	--	--	--	--	--	--	--	--
12/3/1994	4.60	5.68	-1.08	--	--	--	--	--	--	--	--	--	--	--	--
1/10/1995	4.60	4.98	-0.38	--	--	--	--	--	--	--	--	--	--	--	--
2/1/1995	4.60	5.18	-0.58	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
3/3/1995	4.60	5.90	-1.30	--	--	--	--	--	--	--	--	--	--	--	--
5/2/1995	4.60	5.86	-1.26	--	--	--	--	--	--	--	--	--	--	--	--
8/1/1995	4.60	7.30	-2.70	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
11/1/1995	4.60	8.66	-4.06	--	--	--	--	--	--	--	--	--	--	--	--
2/1/1996	4.60	5.14	-0.54	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--
2/4/1997	4.60	8.12	-3.52	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--
2/5/1998	4.60	4.95	-0.35	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--
2/4/1999	4.60	5.81	-1.21	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--
2/12/1999	--	--	--	--	--	--	--	--	--	--	--	--	22	30	78
2/2/2000	4.60	5.71	-1.11	ND	--	ND	ND	ND	ND	ND	--	260	--	--	470
3/5/2001	4.60	5.67	-1.07	ND	--	ND	ND	ND	ND	ND	--	ND	20.6	36.5	172
2/22/2002	4.60	5.61	-1.01	<50	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	ND	27.1	30.5	468
3/10/2003	4.60	6.16	-1.56	--	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	<100	22	28	620
2/5/2004	4.60	5.58	-0.98	--	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	<200	27	29	250
8/26/2004	4.60	7.13	-2.53	--	<50	<0.5	<0.5	<0.5	<1	--	<0.5	<200	<1.0	32	--
2/14/2005	4.60	5.92	-1.32	--	<50	<0.50	<0.50	0.72	1.0	--	<0.50	<100	28.6	27	--
9/27/2005	4.60	7.43	-2.83	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	55	32	30	-64
3/27/2006	4.60	5.14	-0.54	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<100	7.0	27	--
9/20/2006	4.60	7.25	-2.65	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	160	8.2	28	--
3/20/2007	4.60	5.97	-1.37	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	100	6.8	28	--
9/26/2007	4.60	7.43	-2.83	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	320	7.0	26	--
3/24/2008	4.60	6.21	-1.61	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<100	6.4	25	--
9/17/2008	4.60	7.38	-2.78	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	170	7.8	27	--
3/24/2009	4.60	5.74	-1.14	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	160	8.2	28	--
9/23/2009	4.60	7.37	-2.77	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<500	7.9	29	--
3/22/2010	4.60	5.46	-0.86	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<200	8.8	30	--
9/27/2010	4.60	7.37	-2.77	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<100	9.0	32	--
3/22/2011	4.60	4.78	-0.18	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<1000	8.5	28	--
09/07/2011	4.60	6.63	-2.03	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<200	7.2	29	--
02/06/2012	4.60	5.8	-1.2	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<200	7.4	27	--
MW-10												<100	5.8	26	--
11/3/1992	--	--	--	740	--	11	2.1	32	56	--	--	--	--	--	--
2/3/1993	--	--	--	1200	--	ND	ND	ND	ND	--	--	--	--	--	--
3/1/1993	3.34	5.82	-2.48	--	--	--	--	--	--	--	--	--	--	--	--
4/1/1993	3.34	5.69	-2.35	--	--	--	--	--	--	--	--	--	--	--	--
5/17/1993	3.34	7.04	-3.70	1200	--	ND	ND	ND	ND	--	--	--	--	--	--
6/15/1993	3.34	7.22	-3.88	--	--	--	--	--	--	--	--	--	--	--	--
7/14/1993	3.34	8.01	-4.67	--	--	--	--	--	--	--	--	--	--	--	--
8/13/1993	3.34	8.42	-5.08	1500	--	ND	ND	41	21	--	--	--	--	--	--
9/13/1993	3.34	8.74	-5.40	--	--	--	--	--	--	--	--	--	--	--	--
10/14/1993	3.34	8.57	-5.23	--	--	--	--	--	--	--	--	--	--	--	--
11/11/1993	2.69	8.59	-5.90	1600	--	ND	ND	ND	ND	--	--	--	--	--	--
12/14/1993	2.69	7.50	-4.81	--	--	--	--	--	--	--	--	--	--	--	--
1/10/1994	2.69	7.69	-5.00	--	--	--	--	--	--	--	--	--	--	--	--
2/10/1994	2.69	8.21	-5.52	1480	--	ND	ND	ND	ND	--	--	--	--	--	--
3/14/1994	2.69	5.56	-2.87	--	--	--	--	--	--	--	--	--	--	--	--
4/23/1994	2.69	6.22	-3.53	--	--	--	--	--	--	--	--	--	--	--	--
5/5/1994	2.69	6.03	-3.34	1000	--	ND	ND	ND	ND	--	--	--	--	--	--

ATTACHMENT B

HISTORIC ANALYTICAL RESULTS - THROUGH FEBRUARY 2012
 CHEVRON STATION #351643, FORMER UNOCAL STATION #3135
 6535 SAN LEANDRO STREET
 OAKLAND, CALIFORNIA

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	Ground-Water Elevation (feet)	TPH-G (8015) (µg/l)	TPH-G (8260) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Redox Potential (ORP-Lab)
6/7/1994	2.69	6.10	-3.41	--	--	--	--	--	--	--	--	--	--	--	--
7/5/1994	2.69	6.38	-3.69	--	--	--	--	--	--	--	--	--	--	--	--
8/2/1994	2.69	6.67	-3.98	95	--	ND	ND	ND	ND	--	--	--	--	--	--
11/7/1994	2.69	6.08	-3.39	1100	--	ND	ND	ND	ND	--	--	--	--	--	--
12/3/1994	2.69	4.68	-1.99	--	--	--	--	--	--	--	--	--	--	--	--
1/10/1995	2.69	4.21	-1.52	--	--	--	--	--	--	--	--	--	--	--	--
2/1/1995	2.69	4.26	-1.57	560	--	ND	ND	ND	ND	--	--	--	--	--	--
3/3/1995	2.69	4.94	-2.25	--	--	--	--	--	--	--	--	--	--	--	--
5/2/1995	2.69	4.80	-2.11	840	--	ND	ND	ND	9.5	--	--	--	--	--	--
8/1/1995	2.69	5.79	-3.10	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
11/1/1995	2.69	6.95	-4.26	ND	--	ND	ND	ND	ND	830	--	--	--	--	--
2/1/1996	2.69	4.31	-1.62	ND	--	ND	ND	ND	ND	1300	--	--	--	--	--
2/4/1997	2.69	6.59	-3.90	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--
2/5/1998	2.69	3.76	-1.07	ND	--	ND	ND	ND	ND	500	--	--	--	--	--
2/4/1999	2.69	4.68	-1.99	ND	--	ND	ND	ND	ND	620	850	--	--	--	--
2/12/1999	--	--	--	--	--	--	--	--	--	--	--	--	ND	36	94
2/2/2000	2.69	4.85	-2.16	ND	--	ND	ND	ND	ND	737	696	240	--	--	470
3/5/2001	2.69	4.81	-2.12	ND	--	ND	ND	ND	ND	121	--	16.5	ND	40.1	110
2/22/2002	2.69	4.53	-1.84	<50	--	<0.50	<0.50	<0.50	<0.50	870	780	24.8	3.17	66.7	461
3/10/2003	2.69	4.98	-2.29	--	370	<2.5	<2.5	<2.5	<5.0	--	320	<100	<0.50	30	590
2/5/2004	2.69	5.32	-2.63	--	320	<2.5	<2.5	<2.5	<5.0	--	300	<200	<1.0	45	270
8/26/2004	2.69	5.45	-2.76	--	<50	<0.5	<0.5	<0.5	<1	--	13	<200	<1.0	45	--
2/14/2005	2.69	4.81	-2.12	--	<50	<0.50	<0.50	<0.50	<1.0	--	10	1100	<0.44	49	--
9/27/2005	2.69	5.97	-3.28	--	<50	<0.50	<0.50	<0.50	<1.0	--	5.2	490	<1.0	31	-17
3/27/2006	2.69	3.87	-1.18	--	<50	<0.50	<0.50	<0.50	<1.0	--	6.8	120	<0.10	35	--
9/20/2006	2.69	6.77	-4.08	--	<50	<0.50	<0.50	<0.50	<0.50	--	5.3	290	<0.10	38	--
3/20/2007	2.69	4.88	-2.19	--	<50	<0.50	<0.50	<0.50	<0.50	--	3.7	2000	<0.10	35	--
9/26/2007	2.69	5.70	-3.01	--	<50	<0.50	<0.50	<0.50	<0.50	--	7.5	990	<0.10	36	--
3/24/2008	2.69	4.99	-2.30	--	<50	<0.50	<0.50	<0.50	<1.0	--	3.6	1000	<0.10	38	--
9/17/2008	2.69	5.05	-2.36	--	<50	<0.50	<0.50	<0.50	<1.0	--	6.0	830	<0.10	37	--
3/24/2009	2.69	5.64	-2.95	--	<50	<0.50	<0.50	<0.50	<1.0	--	3.1	1400	<0.10	42	--
9/23/2009	2.69	5.93	-3.24	--	<50	<0.50	<0.50	<0.50	<1.0	--	4.4	980	<0.10	37	--
3/22/2010	2.69	4.59	-1.90	--	<50	<0.50	<0.50	<0.50	<1.0	--	2.9	2200	<0.10	31	--
9/27/2010	2.69	5.98	-3.29	--	<50	<0.50	<0.50	<0.50	<1.0	--	4.4	620	<0.10	29	--
3/22/2011	2.69	4.10	-1.41	--	<50	<0.50	<0.50	<0.50	<1.0	--	3.7	2700	<0.10	27	--
09/07/2011	2.69	5.35	-2.66	--	<50	<0.50	<0.50	<0.50	<1.0	--	2.7	7700	<0.10	27	--
02/06/2012	2.69	4.55	-1.86	--	<50	<0.50	<0.50	<0.50	<1.0	--	2.7	3700	<0.10	30	--
MW-11												850	<0.10	29	--
8/10/2001	2.63	5.70	-3.07	<50	--	<0.50	<0.50	<0.50	<0.50	<5.0	<2.0	--	--	--	--
2/22/2002	2.63	5.43	-2.80	<50	--	<0.50	<0.50	<0.50	<0.50	<5.0	<2.0	--	--	--	--
3/10/2003	2.63	5.41	-2.78	--	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	--	--	--	--
2/5/2004 ³	2.63	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/26/2004	2.63	5.35	-2.72	--	<50	<0.5	<0.5	<0.5	<1	--	<0.5	--	--	--	--
2/14/2005	2.63	5.12	-2.49	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--
9/27/2005	2.63	5.18	-2.55	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--
3/27/2006	2.63	4.88	-2.25	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--
9/20/2006	2.63	5.53	-2.90	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	--	--	--
3/20/2007	2.63	5.28	-2.65	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	--	--	--
9/26/2007	2.63	4.98	-2.35	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	--	--	--
3/24/2008	2.63	5.23	-2.60	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--
9/17/2008	2.63	5.41	-2.78	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--
3/24/2009	2.63	4.95	-2.32	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--
9/23/2009	2.63	5.46	-2.83	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--
3/22/2010	2.63	4.92	-2.29	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--
9/27/2010	2.63	5.32	-2.69	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--

ATTACHMENT B

HISTORIC ANALYTICAL RESULTS - THROUGH FEBRUARY 2012
 CHEVRON STATION #351643, FORMER UNOCAL STATION #3135
 6535 SAN LEANDRO STREET
 OAKLAND, CALIFORNIA

<i>Date Sampled</i>	<i>TOC Elevation (feet)</i>	<i>Depth to Water (feet)</i>	<i>Ground-Water Elevation (feet)</i>	<i>TPH-G (8015) (µg/l)</i>	<i>TPH-G (8260) (µg/l)</i>	<i>Benzene (µg/l)</i>	<i>Toluene (µg/l)</i>	<i>Ethyl-benzene (µg/l)</i>	<i>Total Xylenes (µg/l)</i>	<i>MTBE (8021B) (µg/l)</i>	<i>MTBE (8260B) (µg/l)</i>	<i>Iron Ferrous (µg/l)</i>	<i>Nitrate (mg/l)</i>	<i>Sulfate (mg/l)</i>	<i>Redox Potential (ORP-Lab)</i>
3/22/2011	2.63	4.74	-2.11	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--
09/07/2011	2.63	4.94	-2.31	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--
02/06/2012	2.63	5.17	-2.54	--	<50	<0.50	<0.50	<0.50	1.2	--	<0.50	--	--	--	--

Abbreviations and Notes:

TOC = Top of casing
 µg/L = Micrograms per liter
 mg/L = Micrograms per liter
 TPH-G - Total Petroleum Hydrocarbons as Gasoline
 MTBE = Methyl tert butyl ether
 -- = Not available / not applicable
 <x = Not detected at or above laboratory method detection limit indicated

ND = Not detected
 ORP = Oxygen reduction potential
 1 = Well inaccessible
 2 = Well paved over
 3 = Well inaccessible due to locked gate

ATTACHMENT C
BC LABORATORIES ANALYTICAL REPORT #1215270



Date of Report: 08/30/2012

Jim Harms

AECOM

10461 Old Placerville Rd, Suite 170
Sacramento, CA 95827

Project: 3135
BC Work Order: 1215270
Invoice ID: B128863

Enclosed are the results of analyses for samples received by the laboratory on 8/14/2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

Certifications: CA ELAP #1186; NV #CA00014



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Environmental Testing Laboratory Since 1949

MM

Chain of Custody and Cooler Receipt Form for 1215270 Page 1 of 3

CHAIN OF CUSTODY FORM

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

COC 1 of 1

12-15270

Union Oil Site ID: <u>3135</u>				Union Oil Consultant: <u>AECOM</u>				ANALYSES REQUIRED													
Site Global ID: <u>T0600101488</u>				Consultant Contact: <u>Jim Harms</u>				TPH - Diesel by EPA 8015	TPH - G by GC/MS	BTX/MTBE/OXYS by EPA 8260B	Ethanol by EPA 8260B, ENDFEC by <u>2/2/09</u>	EPA 8260B Full List with OXYS	<u>Ferrous Iron, Nitrate, Sulfate</u>	Turnaround Time (TAT): Standard <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 72 Hours <input type="checkbox"/>				Special Instructions			
Site Address: <u>845 66th Ave. Oakland</u>				Consultant Phone No.: <u>916-361-6412</u>										Sampling Company: TRC							
Union Oil PM: <u>Koya Kamlin</u>				Sampled By (PRINT): <u>Basilio/Drew</u>										Sampler Signature: <u>[Signature]</u>							
Union Oil PM Phone No.: <u>1 925-790-6270</u>				Charge Code: NWRTB-0 <u>351643-0-LAB</u>				BC Laboratories, Inc. Project Manager: Molly Meyers 4100 Atlas Court, Bakersfield, CA 93308 Phone No. 661-327-4911				This is a LEGAL document. ALL fields must be filled out CORRECTLY and COMPLETELY.									
SAMPLE ID					Sample Time	# of Containers	TPH - Diesel by EPA 8015	TPH - G by GC/MS	BTX/MTBE/OXYS by EPA 8260B	Ethanol by EPA 8260B, ENDFEC by <u>2/2/09</u>	EPA 8260B Full List with OXYS	<u>Ferrous Iron, Nitrate, Sulfate</u>	Notes / Comments								
Field Point Name	Matrix	DTW	Date (yyymmdd)																		
<u>MW-1</u>	<u>W-S-A</u>		<u>120814</u>	<u>1003</u>	<u>7</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>											
<u>MW-2</u>	<u>W-S-A</u>			<u>1025</u>	<u>7</u>																
<u>MW-3</u>	<u>W-S-A</u>			<u>0937</u>	<u>7</u>																
<u>MW-4</u>	<u>W-S-A</u>			<u>1110</u>	<u>7</u>																
<u>MW-5</u>	<u>W-S-A</u>			<u>0902</u>	<u>7</u>																
<u>MW-6</u>	<u>W-S-A</u>			<u>1047</u>	<u>7</u>																
<u>MW-7</u>	<u>W-S-A</u>			<u>0847</u>	<u>7</u>																
<u>MW-8</u>	<u>W-S-A</u>			<u>1000</u>	<u>7</u>																
<u>MW-9</u>	<u>W-S-A</u>			<u>0922</u>	<u>7</u>																
<u>MW-10</u>	<u>W-S-A</u>			<u>1110</u>	<u>7</u>																
<u>MW-11</u>	<u>W-S-A</u>			<u>1030</u>	<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>											
Relinquished By: <u>[Signature]</u> Company: <u>TRC</u> Date / Time: <u>8/14/12 1630</u>				Relinquished By: <u>Mary Bogan</u> Company: <u>BCLAB</u> Date / Time: <u>8-14-12 1900</u>				Relinquished By: <u>RL Ruy</u> Company: <u>BCL</u> Date / Time: <u>8-14-12 2200</u>				Relinquished By: <u>[Signature]</u> Company: <u>BCU</u> Date / Time: <u>8-14-12 2200</u>									
Received By: <u>Mary Bogan</u> Company: <u>BCLAB</u> Date / Time: <u>8-14-12 1630</u>				Received By: <u>RL Ruy</u> Company: <u>BCL</u> Date / Time: <u>8-14-12 1900</u>				Received By: <u>KOM</u> Company: <u>BCU</u> Date / Time: <u>8-14-12 2200</u>				Received By: <u>[Signature]</u> Company: <u>BCU</u> Date / Time: <u>8-14-12 2200</u>									

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Chain of Custody and Cooler Receipt Form for 1215270 Page 2 of 3

LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 12 12/30/10 Page 1 of 2

Submission #: 12-15270

SHIPPING INFORMATION Federal Express <input type="checkbox"/> UPS <input type="checkbox"/> Hand Delivery <input type="checkbox"/> Lab Field Service <input checked="" type="checkbox"/> Other <input type="checkbox"/> (Specify) _____		SHIPPING CONTAINER Ice Chest <input checked="" type="checkbox"/> None <input type="checkbox"/> Box <input type="checkbox"/> Other <input type="checkbox"/> (Specify) _____	
--	--	--	--

Refrigerant: Ice Blue Ice None Other Comments: _____

custody Seals Ice Chest Containers None Comments: _____
 Intact? Yes No Intact? Yes No

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

COC Received YES NO
 Emissivity: 0.95 Container: PLP Thermometer ID: 207 Date/Time 8/14/12
 Temperature: (A) 0.4 °C / (C) 0.4 °C Analyst Init JWJ 2300

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
GENERAL MINERAL/ GENERAL PHYSICAL	B	B	B	B	B	B				
PE UNPRESERVED										
INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS										
CYANIDE										
NITROGEN FORMS										
TOTAL SULFIDE										
NITRATE /NITRITE										
TOTAL ORGANIC CARBON										
TOX										
CHEMICAL OXYGEN DEMAND										
PHENOLICS										
10ml VOA VIAL TRAVEL BLANK	A3	A3	A3	A3	A3	A3				
10ml VOA VIAL										
10ml EPA 413.1, 413.2, 418.1										
TOX DOGR										
RADIOLOGICAL										
BACTERIOLOGICAL										
10 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 8015NI	DE	DE	DE	DE	DE	DE				
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON	C	C	C	C	C	C				
ENCORE										

Comments: _____
 Sample Numbering Completed By: KIQ Date/Time: 8/15/12
 A = Actual / C = Corrected 230



Chain of Custody and Cooler Receipt Form for 1215270 Page 3 of 3

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 12 12/30/10 Page 2 Of 2

Submission #: 12-15270

SHIPPING INFORMATION Federal Express <input type="checkbox"/> UPS <input type="checkbox"/> Hand Delivery <input type="checkbox"/> BC Lab Field Service <input checked="" type="checkbox"/> Other <input type="checkbox"/> (Specify) _____		SHIPPING CONTAINER Ice Chest <input checked="" type="checkbox"/> None <input type="checkbox"/> Box <input type="checkbox"/> Other <input type="checkbox"/> (Specify) _____	
--	--	---	--

Refrigerant: Ice Blue Ice None Other Comments: _____

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

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

COC Received YES NO

Emissivity: 0.95 Container: PTR Thermometer ID: 207 Date/Time 8/14/12
 Temperature: (A) 0.8 °C / (C) 1.0 °C Analyst Init JNW 2300

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED	B	B	B	B	B					
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										
PLA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A3	A3	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	DE	DE	DE	DE	DE					
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON	C	C	C	C	C					
ENCORE										

Comments: _____
 Sample Numbering Completed By: KIQ Date/Time: 8/15/12
 = Actual / C = Corrected 230

IC:\MyDOCS\Work\Public\LAB DOCS\FORMS\AMMT 071



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

Reported: 08/30/2012 7:49
Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
------------	---------------------------

1215270-01	COC Number: --- Project Number: 3135 Sampling Location: --- Sampling Point: MW-1-W-120814 Sampled By: TRCI	Receive Date: 08/14/2012 22:00 Sampling Date: 08/14/2012 10:03 Sample Depth: --- Lab Matrix: Water Sample Type: Water Delivery Work Order: Global ID: T0600101488 Location ID (FieldPoint): MW-1 Matrix: W Sample QC Type (SACode): CS Cooler ID:
-------------------	---	--

1215270-02	COC Number: --- Project Number: 3135 Sampling Location: --- Sampling Point: MW-2-W-120814 Sampled By: TRCI	Receive Date: 08/14/2012 22:00 Sampling Date: 08/14/2012 10:25 Sample Depth: --- Lab Matrix: Water Sample Type: Water Delivery Work Order: Global ID: T0600101488 Location ID (FieldPoint): MW-2 Matrix: W Sample QC Type (SACode): CS Cooler ID:
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1215270-03	COC Number: --- Project Number: 3135 Sampling Location: --- Sampling Point: MW-3-W-120814 Sampled By: TRCI	Receive Date: 08/14/2012 22:00 Sampling Date: 08/14/2012 09:37 Sample Depth: --- Lab Matrix: Water Sample Type: Water Delivery Work Order: Global ID: T0600101488 Location ID (FieldPoint): MW-3 Matrix: W Sample QC Type (SACode): CS Cooler ID:
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AECOM
10461 Old Placerville Rd, Suite 170
Sacramento, CA 95827

Reported: 08/30/2012 7:49
Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1215270-04	COC Number: --- Project Number: 3135 Sampling Location: --- Sampling Point: MW-4-W-120814 Sampled By: TRCI	Receive Date: 08/14/2012 22:00 Sampling Date: 08/14/2012 11:10 Sample Depth: --- Lab Matrix: Water Sample Type: Water Delivery Work Order: Global ID: T0600101488 Location ID (FieldPoint): MW-4 Matrix: W Sample QC Type (SACode): CS Cooler ID:
-------------------	---	--

1215270-05	COC Number: --- Project Number: 3135 Sampling Location: --- Sampling Point: MW-5-W-120814 Sampled By: TRCI	Receive Date: 08/14/2012 22:00 Sampling Date: 08/14/2012 09:02 Sample Depth: --- Lab Matrix: Water Sample Type: Water Delivery Work Order: Global ID: T0600101488 Location ID (FieldPoint): MW-5 Matrix: W Sample QC Type (SACode): CS Cooler ID:
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1215270-06	COC Number: --- Project Number: 3135 Sampling Location: --- Sampling Point: MW-6-W-120814 Sampled By: TRCI	Receive Date: 08/14/2012 22:00 Sampling Date: 08/14/2012 10:47 Sample Depth: --- Lab Matrix: Water Sample Type: Water Delivery Work Order: Global ID: T0600101488 Location ID (FieldPoint): MW-6 Matrix: W Sample QC Type (SACode): CS Cooler ID:
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Reported: 08/30/2012 7:49
Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1215270-07	COC Number: --- Project Number: 3135 Sampling Location: --- Sampling Point: MW-7-W-120814 Sampled By: TRCI	Receive Date: 08/14/2012 22:00 Sampling Date: 08/14/2012 08:47 Sample Depth: --- Lab Matrix: Water Sample Type: Water Delivery Work Order: Global ID: T0600101488 Location ID (FieldPoint): MW-7 Matrix: W Sample QC Type (SACode): CS Cooler ID:
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1215270-08	COC Number: --- Project Number: 3135 Sampling Location: --- Sampling Point: MW-8-W-120814 Sampled By: TRCI	Receive Date: 08/14/2012 22:00 Sampling Date: 08/14/2012 10:00 Sample Depth: --- Lab Matrix: Water Sample Type: Water Delivery Work Order: Global ID: T0600101488 Location ID (FieldPoint): MW-8 Matrix: W Sample QC Type (SACode): CS Cooler ID:
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1215270-09	COC Number: --- Project Number: 3135 Sampling Location: --- Sampling Point: MW-9-W-120814 Sampled By: TRCI	Receive Date: 08/14/2012 22:00 Sampling Date: 08/14/2012 09:22 Sample Depth: --- Lab Matrix: Water Sample Type: Water Delivery Work Order: Global ID: T0600101488 Location ID (FieldPoint): MW-9 Matrix: W Sample QC Type (SACode): CS Cooler ID:
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Reported: 08/30/2012 7:49
Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1215270-10	COC Number: --- Project Number: 3135 Sampling Location: --- Sampling Point: MW-10-W-120814 Sampled By: TRCI	Receive Date: 08/14/2012 22:00 Sampling Date: 08/14/2012 11:10 Sample Depth: --- Lab Matrix: Water Sample Type: Water Delivery Work Order: Global ID: T0600101488 Location ID (FieldPoint): MW-10 Matrix: W Sample QC Type (SACode): CS Cooler ID:
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1215270-11	COC Number: --- Project Number: 3135 Sampling Location: --- Sampling Point: MW-11-W-120814 Sampled By: TRCI	Receive Date: 08/14/2012 22:00 Sampling Date: 08/14/2012 10:30 Sample Depth: --- Lab Matrix: Water Sample Type: Water Delivery Work Order: Global ID: T0600101488 Location ID (FieldPoint): MW-11 Matrix: W Sample QC Type (SACode): CS Cooler ID:
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Reported: 08/30/2012 7:49
Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1215270-01	Client Sample Name: 3135, MW-1-W-120814, 8/14/2012 10:03:00AM
----------------------------------	--

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	1.3	ug/L	0.50	EPA-8260	ND		1
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	10	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	63	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	104	%	75 - 125 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	101	%	80 - 120 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	99.8	%	80 - 120 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/15/12	08/15/12 15:58	JMC	MS-V12	1	BVH1213



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Reported: 08/30/2012 7:49
Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1215270-01	Client Sample Name: 3135, MW-1-W-120814, 8/14/2012 10:03:00AM
----------------------------------	--

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	ND	ug/L	40	EPA-8015B/TPH d	ND		1
Tetracosane (Surrogate)	111	%	30 - 150 (LCL - UCL)	EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	08/20/12	08/28/12 19:52	MK1	GC-5	1	BVH2284



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Reported: 08/30/2012 7:49
Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Water Analysis (General Chemistry)

BCL Sample ID: 1215270-01	Client Sample Name: 3135, MW-1-W-120814, 8/14/2012 10:03:00AM
----------------------------------	--

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Nitrate as N	ND	mg/L	0.20	EPA-300.0	ND	A01	1
Sulfate	29	mg/L	1.0	EPA-300.0	ND		2
Iron (II) Species	13000	ug/L	1000	SM-3500-FeD	ND	A01	3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-300.0	08/15/12	08/16/12 00:02	AKB	IC1	2	BVH1219
2	EPA-300.0	08/15/12	08/16/12 18:25	AKB	IC1	1	BVH1219
3	SM-3500-FeD	08/15/12	08/15/12 10:25	TDC	KONE-1	10	BVH1418



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Reported: 08/30/2012 7:49
Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1215270-02	Client Sample Name: 3135, MW-2-W-120814, 8/14/2012 10:25:00AM
----------------------------------	--

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	32	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	8.9	ug/L	0.50	EPA-8260	ND		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	15	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	ND	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	970	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	100	%	75 - 125 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	102	%	80 - 120 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	108	%	80 - 120 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/15/12	08/15/12 15:40	JMC	MS-V12	1	BVH1213



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Reported: 08/30/2012 7:49
Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1215270-02	Client Sample Name: 3135, MW-2-W-120814, 8/14/2012 10:25:00AM
----------------------------------	--

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	480	ug/L	40	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	125	%	30 - 150 (LCL - UCL)	EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	08/20/12	08/28/12 20:06	MK1	GC-5	0.960	BVH2284



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10461 Old Placerville Rd, Suite 170
Sacramento, CA 95827

Reported: 08/30/2012 7:49
Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Water Analysis (General Chemistry)

BCL Sample ID: 1215270-02	Client Sample Name: 3135, MW-2-W-120814, 8/14/2012 10:25:00AM
----------------------------------	--

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Nitrate as N	ND	mg/L	0.10	EPA-300.0	ND		1
Sulfate	10	mg/L	1.0	EPA-300.0	ND		1
Iron (II) Species	84000	ug/L	2000	SM-3500-FeD	ND	A01	2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-300.0	08/15/12	08/16/12 00:16	AKB	IC1	1	BVH1219
2	SM-3500-FeD	08/15/12	08/15/12 10:32	TDC	KONE-1	20	BVH1418

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Sacramento, CA 95827

Reported: 08/30/2012 7:49
Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1215270-03	Client Sample Name: 3135, MW-3-W-120814, 8/14/2012 9:37:00AM
----------------------------------	---

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	1.8	ug/L	0.50	EPA-8260	ND		1
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	ND	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	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	99.2	%	75 - 125 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	102	%	80 - 120 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	96.8	%	80 - 120 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/15/12	08/15/12 15:22	JMC	MS-V12	1	BVH1213



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

Reported: 08/30/2012 7:49
Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1215270-03	Client Sample Name: 3135, MW-3-W-120814, 8/14/2012 9:37:00AM
----------------------------------	---

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	120	ug/L	40	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	105	%	30 - 150 (LCL - UCL)	EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	08/20/12	08/28/12 20:20	MK1	GC-5	1	BVH2284



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

Reported: 08/30/2012 7:49
Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Water Analysis (General Chemistry)

BCL Sample ID: 1215270-03	Client Sample Name: 3135, MW-3-W-120814, 8/14/2012 9:37:00AM
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Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Nitrate as N	ND	mg/L	0.10	EPA-300.0	ND		1
Sulfate	62	mg/L	1.0	EPA-300.0	ND		1
Iron (II) Species	5100	ug/L	1000	SM-3500-FeD	ND	A01	2

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-300.0	08/15/12	08/15/12	18:45	AKB	IC1	1	BVH1219
2	SM-3500-FeD	08/15/12	08/15/12	10:02	TDC	KONE-1	10	BVH1418

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10461 Old Placerville Rd, Suite 170
Sacramento, CA 95827

Reported: 08/30/2012 7:49
Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1215270-04	Client Sample Name: 3135, MW-4-W-120814, 8/14/2012 11:10:00AM
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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	ND	ug/L	0.50	EPA-8260	ND		1
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	ND	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	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	102	%	75 - 125 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	96.6	%	80 - 120 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	98.9	%	80 - 120 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/15/12	08/15/12 15:04	JMC	MS-V12	1	BVH1213

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Reported: 08/30/2012 7:49
Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1215270-04	Client Sample Name: 3135, MW-4-W-120814, 8/14/2012 11:10:00AM
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Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	ND	ug/L	40	EPA-8015B/TPH d	ND		1
Tetracosane (Surrogate)	114	%	30 - 150 (LCL - UCL)	EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	08/20/12	08/28/12 20:35	MK1	GC-5	1	BVH2284



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Reported: 08/30/2012 7:49
Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Water Analysis (General Chemistry)

BCL Sample ID: 1215270-04	Client Sample Name: 3135, MW-4-W-120814, 8/14/2012 11:10:00AM
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Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Nitrate as N	1.9	mg/L	0.10	EPA-300.0	ND		1
Sulfate	46	mg/L	1.0	EPA-300.0	ND		1
Iron (II) Species	330	ug/L	100	SM-3500-FeD	ND		2

Run #	Method	Prep Date	Run		Instrument	Dilution	QC
			Date/Time	Analyst			Batch ID
1	EPA-300.0	08/15/12	08/16/12 00:29	AKB	IC1	1	BVH1219
2	SM-3500-FeD	08/15/12	08/15/12 11:45	TDC	KONE-1	1	BVH1418

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Reported: 08/30/2012 7:49
Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1215270-05	Client Sample Name: 3135, MW-5-W-120814, 8/14/2012 9:02:00AM
----------------------------------	---

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	0.62	ug/L	0.50	EPA-8260	ND		1
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	ND	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	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	99.6	%	75 - 125 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	100	%	80 - 120 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	93.9	%	80 - 120 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/15/12	08/15/12 14:46	JMC	MS-V12	1	BVH1213



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Reported: 08/30/2012 7:49
Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1215270-05	Client Sample Name: 3135, MW-5-W-120814, 8/14/2012 9:02:00AM
----------------------------------	---

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	ND	ug/L	40	EPA-8015B/TPH d	ND		1
Tetracosane (Surrogate)	103	%	30 - 150 (LCL - UCL)	EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	08/20/12	08/28/12 20:49	MK1	GC-5	0.960	BVH2284



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Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Water Analysis (General Chemistry)

BCL Sample ID: 1215270-05	Client Sample Name: 3135, MW-5-W-120814, 8/14/2012 9:02:00AM
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Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Nitrate as N	0.48	mg/L	0.10	EPA-300.0	ND		1
Sulfate	53	mg/L	1.0	EPA-300.0	ND		1
Iron (II) Species	6300	ug/L	1000	SM-3500-FeD	ND	A01	2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-300.0	08/15/12	08/15/12 18:59	AKB	IC1	1	BVH1219
2	SM-3500-FeD	08/15/12	08/15/12 10:02	TDC	KONE-1	10	BVH1418

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Reported: 08/30/2012 7:49
Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1215270-06	Client Sample Name: 3135, MW-6-W-120814, 8/14/2012 10:47:00AM
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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	15	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	4.3	ug/L	0.50	EPA-8260	ND		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	9.6	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	ND	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	840	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	100	%	75 - 125 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	101	%	80 - 120 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	96.5	%	80 - 120 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/15/12	08/15/12 14:28	JMC	MS-V12	1	BVH1213



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Reported: 08/30/2012 7:49
Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1215270-06	Client Sample Name: 3135, MW-6-W-120814, 8/14/2012 10:47:00AM
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Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	230	ug/L	40	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	95.9	%	30 - 150 (LCL - UCL)	EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	08/20/12	08/28/12 21:04	MK1	GC-5	1	BVH2284



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Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Water Analysis (General Chemistry)

BCL Sample ID: 1215270-06	Client Sample Name: 3135, MW-6-W-120814, 8/14/2012 10:47:00AM
----------------------------------	--

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Nitrate as N	ND	mg/L	0.10	EPA-300.0	ND		1
Sulfate	42	mg/L	1.0	EPA-300.0	ND		1
Iron (II) Species	3600	ug/L	100	SM-3500-FeD	ND		2

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-300.0	08/15/12	08/16/12	01:10	AKB	IC1	1	BVH1219
2	SM-3500-FeD	08/15/12	08/15/12	11:45	TDC	KONE-1	1	BVH1418

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Reported: 08/30/2012 7:49
Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1215270-07	Client Sample Name: 3135, MW-7-W-120814, 8/14/2012 8:47:00AM
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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	ND	ug/L	0.50	EPA-8260	ND		1
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	ND	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	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	101	%	75 - 125 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	103	%	80 - 120 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	93.1	%	80 - 120 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/15/12	08/15/12 14:10	JMC	MS-V12	1	BVH1213



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Reported: 08/30/2012 7:49
Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1215270-07	Client Sample Name: 3135, MW-7-W-120814, 8/14/2012 8:47:00AM
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Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	ND	ug/L	40	EPA-8015B/TPH d	ND		1
Tetracosane (Surrogate)	98.2	%	30 - 150 (LCL - UCL)	EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	08/20/12	08/28/12 21:47	MK1	GC-5	1	BVH2284



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Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Water Analysis (General Chemistry)

BCL Sample ID: 1215270-07	Client Sample Name: 3135, MW-7-W-120814, 8/14/2012 8:47:00AM
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Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Nitrate as N	ND	mg/L	0.10	EPA-300.0	ND		1
Sulfate	20	mg/L	1.0	EPA-300.0	ND		1
Iron (II) Species	2200	ug/L	100	SM-3500-FeD	ND		2

Run #	Method	Prep Date	Run		Instrument	Dilution	QC
			Date/Time	Analyst			Batch ID
1	EPA-300.0	08/15/12	08/15/12 19:12	AKB	IC1	1	BVH1219
2	SM-3500-FeD	08/15/12	08/15/12 11:45	TDC	KONE-1	1	BVH1418

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Reported: 08/30/2012 7:49
Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1215270-08	Client Sample Name: 3135, MW-8-W-120814, 8/14/2012 10:00:00AM
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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	ND	ug/L	0.50	EPA-8260	ND		1
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	ND	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	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	103	%	75 - 125 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	103	%	80 - 120 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	101	%	80 - 120 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/15/12	08/15/12 13:52	JMC	MS-V12	1	BVH1213



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Reported: 08/30/2012 7:49
Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1215270-08	Client Sample Name: 3135, MW-8-W-120814, 8/14/2012 10:00:00AM
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Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	ND	ug/L	40	EPA-8015B/TPH d	ND		1
Tetracosane (Surrogate)	111	%	30 - 150 (LCL - UCL)	EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	08/20/12	08/28/12 22:02	MK1	GC-5	1	BVH2284



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Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Water Analysis (General Chemistry)

BCL Sample ID: 1215270-08	Client Sample Name: 3135, MW-8-W-120814, 8/14/2012 10:00:00AM
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Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Nitrate as N	ND	mg/L	0.10	EPA-300.0	ND		1
Sulfate	37	mg/L	1.0	EPA-300.0	ND		1
Iron (II) Species	ND	ug/L	100	SM-3500-FeD	ND		2

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-300.0	08/15/12	08/15/12	23:49	AKB	IC1	1	BVH1219
2	SM-3500-FeD	08/15/12	08/15/12	11:45	TDC	KONE-1	1	BVH1418

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Reported: 08/30/2012 7:49
Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1215270-09	Client Sample Name: 3135, MW-9-W-120814, 8/14/2012 9:22:00AM
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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	ND	ug/L	0.50	EPA-8260	ND		1
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	ND	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	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	106	%	75 - 125 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	101	%	80 - 120 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	97.1	%	80 - 120 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/15/12	08/15/12 13:34	JMC	MS-V12	1	BVH1089



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Reported: 08/30/2012 7:49
Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1215270-09	Client Sample Name: 3135, MW-9-W-120814, 8/14/2012 9:22:00AM
----------------------------------	---

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	ND	ug/L	40	EPA-8015B/TPH d	ND		1
Tetracosane (Surrogate)	130	%	30 - 150 (LCL - UCL)	EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	08/20/12	08/28/12 22:16	MK1	GC-5	1	BVH2284



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Reported: 08/30/2012 7:49
Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Water Analysis (General Chemistry)

BCL Sample ID: 1215270-09	Client Sample Name: 3135, MW-9-W-120814, 8/14/2012 9:22:00AM
----------------------------------	---

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Nitrate as N	7.2	mg/L	0.10	EPA-300.0	ND		1
Sulfate	25	mg/L	1.0	EPA-300.0	ND		1
Iron (II) Species	ND	ug/L	100	SM-3500-FeD	ND		2

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-300.0	08/15/12	08/15/12	19:26	AKB	IC1	1	BVH1219
2	SM-3500-FeD	08/15/12	08/15/12	11:45	TDC	KONE-1	1	BVH1418

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Project: 3135
Project Number: 351643
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1215270-10	Client Sample Name: 3135, MW-10-W-120814, 8/14/2012 11:10:00AM
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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	3.8	ug/L	0.50	EPA-8260	ND		1
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	ND	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	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	102	%	75 - 125 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	98.9	%	80 - 120 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	98.6	%	80 - 120 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/15/12	08/15/12 13:16	JMC	MS-V12	1	BVH1089



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Total Petroleum Hydrocarbons

BCL Sample ID: 1215270-10	Client Sample Name: 3135, MW-10-W-120814, 8/14/2012 11:10:00AM
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Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	160	ug/L	40	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	107	%	30 - 150 (LCL - UCL)	EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	08/20/12	08/28/12 22:30	MK1	GC-5	1	BVH2284



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Project Manager: Jim Harms

Water Analysis (General Chemistry)

BCL Sample ID: 1215270-10	Client Sample Name: 3135, MW-10-W-120814, 8/14/2012 11:10:00AM
----------------------------------	---

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Nitrate as N	ND	mg/L	0.10	EPA-300.0	ND		1
Sulfate	28	mg/L	1.0	EPA-300.0	ND		1
Iron (II) Species	2000	ug/L	100	SM-3500-FeD	ND		2

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-300.0	08/15/12	08/16/12	01:23	AKB	IC1	1	BVH1219
2	SM-3500-FeD	08/15/12	08/15/12	11:45	TDC	KONE-1	1	BVH1418

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Project: 3135
Project Number: 351643
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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1215270-11	Client Sample Name: 3135, MW-11-W-120814, 8/14/2012 10:30:00AM
----------------------------------	---

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	ND	ug/L	0.50	EPA-8260	ND		1
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	ND	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	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	102	%	75 - 125 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	104	%	80 - 120 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	104	%	80 - 120 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/15/12	08/15/12 12:58	JMC	MS-V12	1	BVH1089



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Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1215270-11	Client Sample Name: 3135, MW-11-W-120814, 8/14/2012 10:30:00AM
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Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	ND	ug/L	40	EPA-8015B/TPH d	ND		1
Tetracosane (Surrogate)	120	%	30 - 150 (LCL - UCL)	EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	08/20/12	08/28/12 22:45	MK1	GC-5	1	BVH2284



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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Table with 7 columns: Constituent, QC Sample ID, MB Result, Units, PQL, MDL, Lab Quals

QC Batch ID: BVH1089

Main data table for QC Batch BVH1089 listing various compounds and their results.

QC Batch ID: BVH1213

Main data table for QC Batch BVH1213 listing various compounds and their results.

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Project: 3135
Project Number: 351643
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		Lab Quals
								Percent Recovery	RPD	
QC Batch ID: BVH1089										
Benzene	BVH1089-BS1	LCS	30.260	25.000	ug/L	121		70 - 130		
Toluene	BVH1089-BS1	LCS	26.030	25.000	ug/L	104		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BVH1089-BS1	LCS	9.7800	10.000	ug/L	97.8		75 - 125		
Toluene-d8 (Surrogate)	BVH1089-BS1	LCS	9.7200	10.000	ug/L	97.2		80 - 120		
4-Bromofluorobenzene (Surrogate)	BVH1089-BS1	LCS	11.220	10.000	ug/L	112		80 - 120		
QC Batch ID: BVH1213										
Benzene	BVH1213-BS1	LCS	30.960	25.000	ug/L	124		70 - 130		
Toluene	BVH1213-BS1	LCS	26.520	25.000	ug/L	106		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BVH1213-BS1	LCS	9.7000	10.000	ug/L	97.0		75 - 125		
Toluene-d8 (Surrogate)	BVH1213-BS1	LCS	9.6900	10.000	ug/L	96.9		80 - 120		
4-Bromofluorobenzene (Surrogate)	BVH1213-BS1	LCS	10.260	10.000	ug/L	103		80 - 120		



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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		Lab
								RPD	Percent Recovery	
QC Batch ID: BVH1089		Used client sample: N								
Benzene	MS	1215107-11	ND	29.520	25.000	ug/L		118		70 - 130
	MSD	1215107-11	ND	29.590	25.000	ug/L	0.2	118	20	70 - 130
Toluene	MS	1215107-11	ND	26.060	25.000	ug/L		104		70 - 130
	MSD	1215107-11	ND	25.090	25.000	ug/L	3.8	100	20	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	MS	1215107-11	ND	9.7600	10.000	ug/L		97.6		75 - 125
	MSD	1215107-11	ND	9.9900	10.000	ug/L	2.3	99.9		75 - 125
Toluene-d8 (Surrogate)	MS	1215107-11	ND	9.7800	10.000	ug/L		97.8		80 - 120
	MSD	1215107-11	ND	10.150	10.000	ug/L	3.7	102		80 - 120
4-Bromofluorobenzene (Surrogate)	MS	1215107-11	ND	10.600	10.000	ug/L		106		80 - 120
	MSD	1215107-11	ND	10.610	10.000	ug/L	0.1	106		80 - 120
QC Batch ID: BVH1213		Used client sample: N								
Benzene	MS	1215314-04	ND	29.660	25.000	ug/L		119		70 - 130
	MSD	1215314-04	ND	28.030	25.000	ug/L	5.7	112	20	70 - 130
Toluene	MS	1215314-04	ND	25.670	25.000	ug/L		103		70 - 130
	MSD	1215314-04	ND	24.590	25.000	ug/L	4.3	98.4	20	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	MS	1215314-04	ND	10.290	10.000	ug/L		103		75 - 125
	MSD	1215314-04	ND	9.4800	10.000	ug/L	8.2	94.8		75 - 125
Toluene-d8 (Surrogate)	MS	1215314-04	ND	9.9900	10.000	ug/L		99.9		80 - 120
	MSD	1215314-04	ND	10.020	10.000	ug/L	0.3	100		80 - 120
4-Bromofluorobenzene (Surrogate)	MS	1215314-04	ND	10.260	10.000	ug/L		103		80 - 120
	MSD	1215314-04	ND	10.420	10.000	ug/L	1.5	104		80 - 120



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Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BVH2284						
Diesel Range Organics (C12 - C24)	BVH2284-BLK1	ND	ug/L	40		
Tetracosane (Surrogate)	BVH2284-BLK1	112	%	30 - 150 (LCL - UCL)		



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Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
QC Batch ID: BVH2284										
Diesel Range Organics (C12 - C24)	BVH2284-BS1	LCS	471.94	500.00	ug/L	94.4		50 - 140		
Tetracosane (Surrogate)	BVH2284-BS1	LCS	24.315	20.000	ug/L	122		30 - 150		



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Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits		Lab Quals
									RPD	Percent Recovery	
QC Batch ID: BVH2284		Used client sample: N									
Diesel Range Organics (C12 - C24)	MS	1213312-70	ND	369.39	500.00	ug/L		73.9			50 - 140
	MSD	1213312-70	ND	423.45	500.00	ug/L	13.6	84.7	30		50 - 140
Tetracosane (Surrogate)	MS	1213312-70	ND	21.171	20.000	ug/L		106			30 - 150
	MSD	1213312-70	ND	21.132	20.000	ug/L	0.2	106			30 - 150



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Water Analysis (General Chemistry)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BVH1219						
Nitrate as N	BVH1219-BLK1	ND	mg/L	0.10		
Sulfate	BVH1219-BLK1	ND	mg/L	1.0		
QC Batch ID: BVH1418						
Iron (II) Species	BVH1418-BLK1	ND	ug/L	100		



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Water Analysis (General Chemistry)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab	Quals
								Percent Recovery	RPD		
QC Batch ID: BVH1219											
Nitrate as N	BVH1219-BS1	LCS	4.9860	5.0000	mg/L	99.7		90 - 110			
Sulfate	BVH1219-BS1	LCS	99.035	100.00	mg/L	99.0		90 - 110			
QC Batch ID: BVH1418											
Iron (II) Species	BVH1418-BS1	LCS	2394.2	2500.0	ug/L	95.8		90 - 110			



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Water Analysis (General Chemistry)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits		Lab Quals
									RPD	Percent Recovery	
QC Batch ID: BVH1219		Used client sample: Y - Description: MW-1-W-120814, 08/14/2012 10:03									
Nitrate as N	DUP	215270-01RE'	0.048000	ND		mg/L			10		
	MS	215270-01RE'	0.048000	5.0737	5.0505	mg/L		99.5		80 - 120	
	MSD	215270-01RE'	0.048000	5.0879	5.0505	mg/L	0.3	99.8	10	80 - 120	
Sulfate	DUP	215270-01RE'	29.002	28.840		mg/L	0.6		10		
	MS	215270-01RE'	29.002	134.63	101.01	mg/L		105		80 - 120	
	MSD	215270-01RE'	29.002	135.34	101.01	mg/L	0.5	105	10	80 - 120	
QC Batch ID: BVH1418		Used client sample: Y - Description: MW-1-W-120814, 08/14/2012 10:03									
Iron (II) Species	DUP	1215270-01	12863	12823		ug/L	0.3		10		

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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.
- A52 Chromatogram not typical of diesel.