Roya C. Kambin
Project Manager
Marketing Business Unit

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

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

Re: TOSCO 76 #3737/Chevron
Union Oil Company of California Site 351780
1400 Powell Street
Emeryville, CA

I have reviewed the attached report dated January 10, 2012.

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

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

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

Sincerely,

Roya Kambin
Union Oil of California – Project Manager

Attachment: Report

CONESTOGA-ROVERS & ASSOCIATES

175 Technology, Suite 150
Irvine, California 92618
Telephone: (949) 648-5200 Fax: (949) 648-5299
http://www.craworld.com

January 10, 2012 Reference No. 060716

Mr. Mark Detterman
Alameda County Environmental Health (ACEH)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Fourth Quarter 2011
Groundwater Monitoring and Sampling Report
TOSCO 76 #3737/Chevron
Union Oil Company of California Site 351780
1400 Powell Street
Emeryville, California
Fuel Leak Case No. RO0000067

Dear Mr. Mark Detterman:

On behalf of Chevron Environmental Management Company, for itself and as Attorney-in-Fact for Union Oil Company of California (hereinafter "EMC"), Conestoga-Rovers & Associates (CRA) is pleased to submit the *Fourth Quarter 2011 Groundwater Monitoring and Sampling Report* for the site referenced above (Figure 1). Groundwater monitoring and sampling was performed by TRC Solutions (TRC) of Irvine, California. TRC's November 30, 2011 *Groundwater Monitoring Data* is included as Attachment A. Current groundwater monitoring and sampling data are presented in Table 1. Laboratory analyses were performed by BC Laboratories of Bakersfield, California. BC Laboratories' December 12, 2011 *Analytical Results* is included as Attachment B. Historical groundwater monitoring and sampling data is included as Attachment C.

RESULTS OF FOURTH QUARTER 2011 EVENT

On November 20, 2011, TRC monitored and sampled the site wells per the established schedule.

Results of the current monitoring event indicate the following:

- Groundwater Flow Direction — West (shallow zone), southwest (deep zone)
- Hydraulic Gradient — 0.004 (shallow zone) and 0.038 (deep zone)
- Approximate Depths to Groundwater — 5 to 6 feet below grade (fbg) (shallow zone) and 6 to 8 fbg (deep zone)

An abbreviated summary of the current sampling event is presented below in Table A:

TABLE A: GROUNDWATER ANALYTICAL DATA

Well ID	*TPHmo (µg/L)*	*TPHd (µg/L)*	*TPHg (µg/L)*	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Total Xylenes (µg/L)*	*MTBE (µg/L)*
ESLs	***100***	***100***	***100***	***1***	***40***	***30***	***20***	***5***
MW-1A	<100	**460**	**1,300**	**20**	0.74	6.4	<1.0	**40**
MW-2A	<500	**1,200**	**1,800**	**440**	<5.0	**50**	<10	**160**
MW-3A	<100	**330**	**1,200**	**25**	0.83	17	<1.0	<0.50
MW-1B	<100	69	<50	<0.50	<0.50	<0.50	<1.0	0.55
MW-2B	<100	56	<50	<0.50	<0.50	<0.50	<1.0	2.0
MW-3B	<100	45	<50	<0.50	<0.50	<0.50	<1.0	<0.50

TPHmo	Total petroleum hydrocarbons as motor oil
TPHd	Total petroleum hydrocarbons as diesel
TPHg	Total petroleum hydrocarbons as gasoline
MTBE	Methyl tertiary butyl ether
ESLs	Environmental Screening Levels from *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*, California Regional Water Quality Control Board-San Francisco Bay Region, Interim Final November 2007, Revised May 2008
µg/L	Micrograms per Liter
<0.50	Below laboratory method detection limit 0.50
Bold	Concentration exceeds applicable ESL

CONCLUSIONS AND RECOMMENDATIONS

The results of ongoing groundwater monitoring and sampling indicate the following:

- Dissolved petroleum hydrocarbons are vertically delineated by deep zone wells MW-1B, MW-2B, MW-3B
- TPHmo, TPHd, TPHg, benzene, toluene, ethylbenzene, total xylenes, and MTBE in the deep groundwater zone are below ESLs and decreasing
- Groundwater has been monitored and sampled quarterly beginning in 2011 and hydrocarbon concentrations have been consistent and decreasing between these events.

CRA recommends continuing quarterly monitoring and sampling until the first quarter 2012 to evaluate groundwater conditions over one annual hydrologic cycle. If hydrocarbon concentrations remain consistent or decreasing, we propose a reduced monitoring schedule.

ANTICIPATED FUTURE ACTIVITIES

Groundwater Monitoring
TRC will monitor and sample site wells per the established schedule and forward the samples to BC Labs for analyses. Upon final results, CRA will submit a groundwater monitoring and sampling report.

CONESTOGA-ROVERS
& ASSOCIATES

January 10, 2012 Reference No. 060716

Please contact Jim Schneider at (949) 648-5200 if you have any questions or require additional information.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

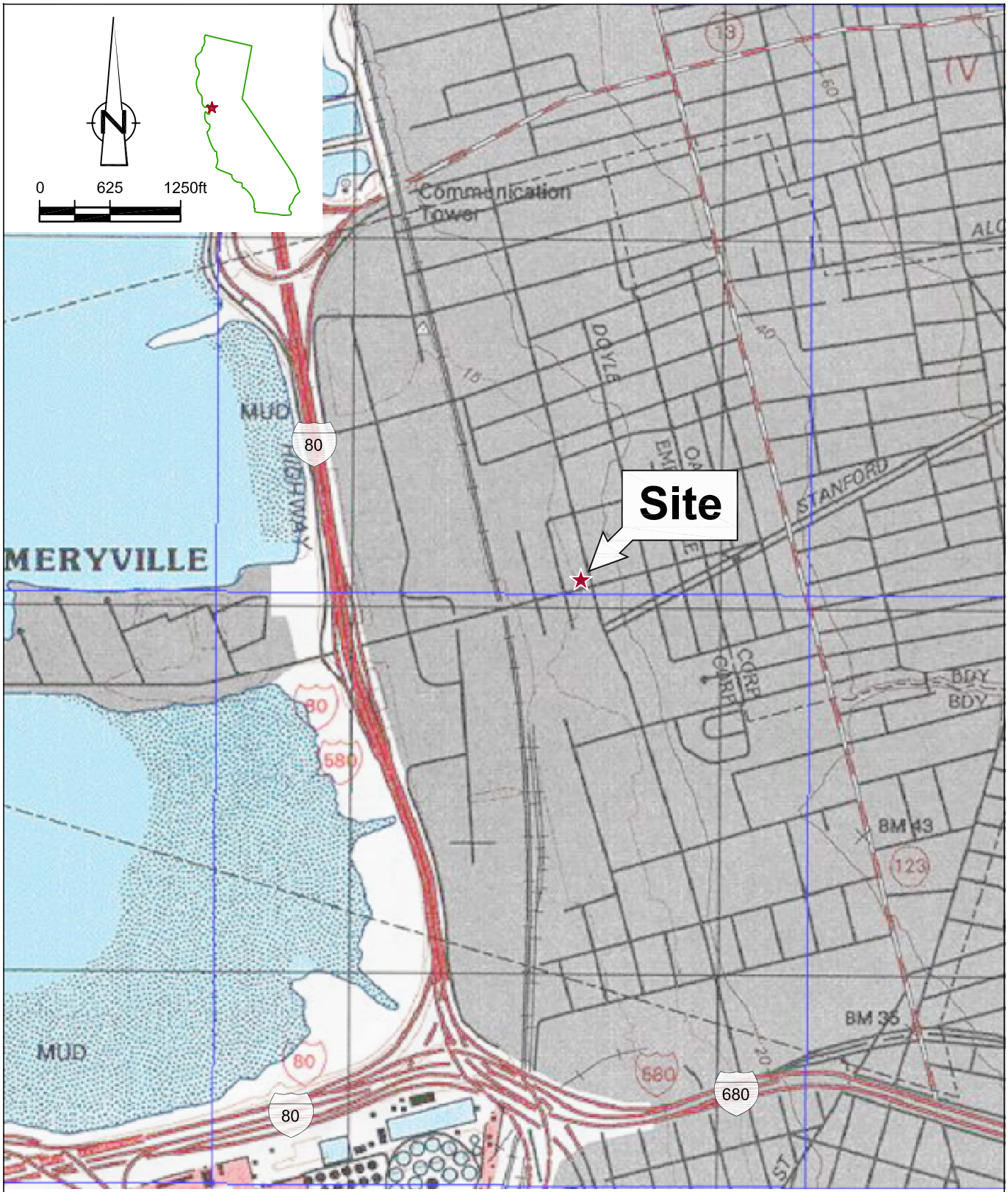
Jim Schneider, PG 7914

IH/cw/4
Encl.

Figure 1	Vicinity Map
Figure 2	Groundwater Elevation and Chemical Concentration Map (Shallow Zone)
Figure 3	Groundwater Elevation and Chemical Concentration Map (Deep Zone)
Table 1	Groundwater Monitoring and Sampling Data
Attachment A	Monitoring Data Package
Attachment B	Laboratory Analytical Report
Attachment C	Historical Groundwater Monitoring and Sampling Data

cc: Ms. Roya Kambin, Union Oil Company of California *(electronic copy)*
Mr. Najmeddin Revan, Property Owner

FIGURES

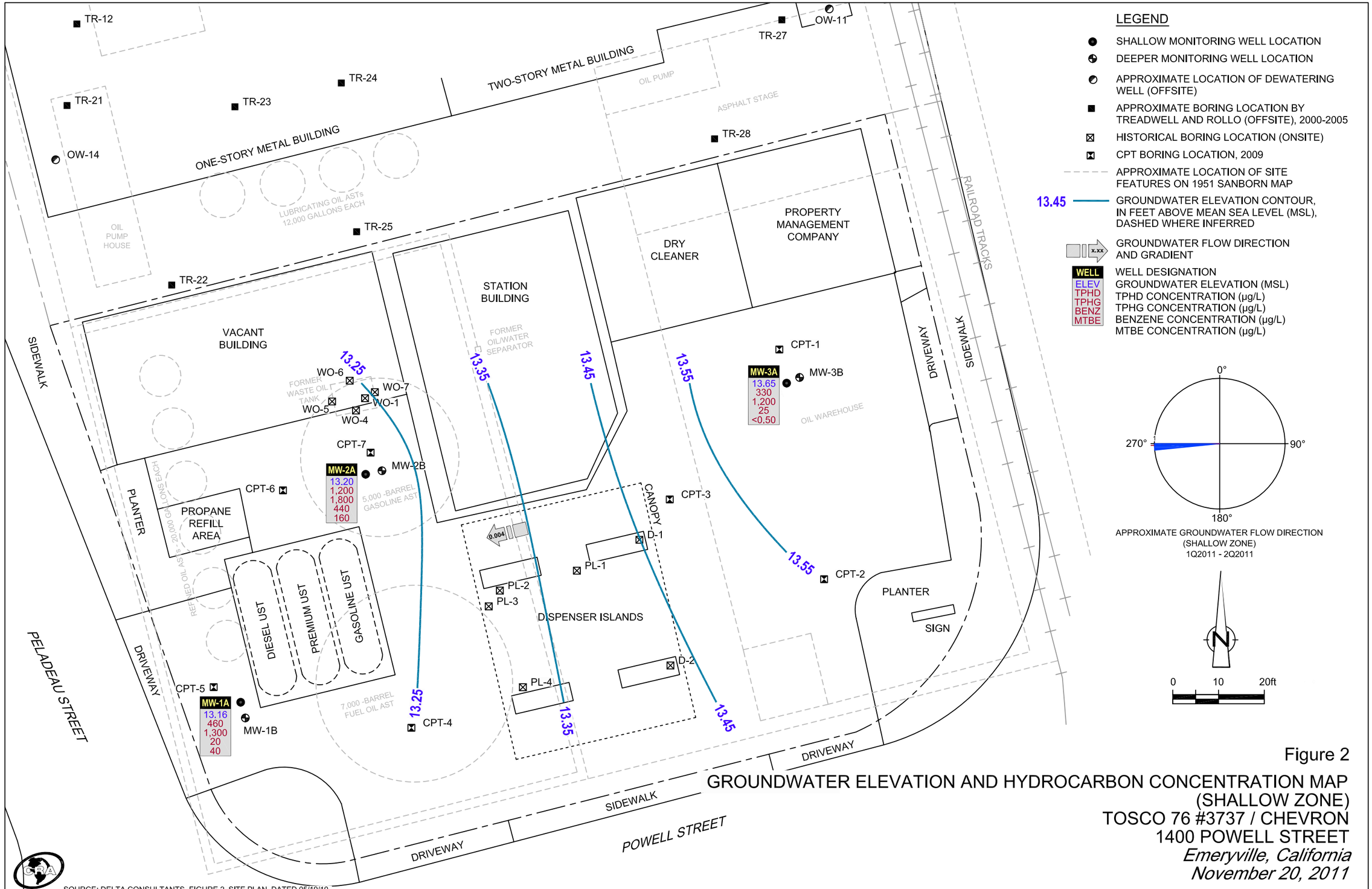


SOURCE: USGS QUADRANGLE MAP: OAKLAND WEST, CA.

Figure 1

VICINITY MAP
TOSCO 76 #3737/CHEVRON
1400 POWELL STREET
Emeryville, California

060716-95(004)GN-EM001 DEC 22/2011

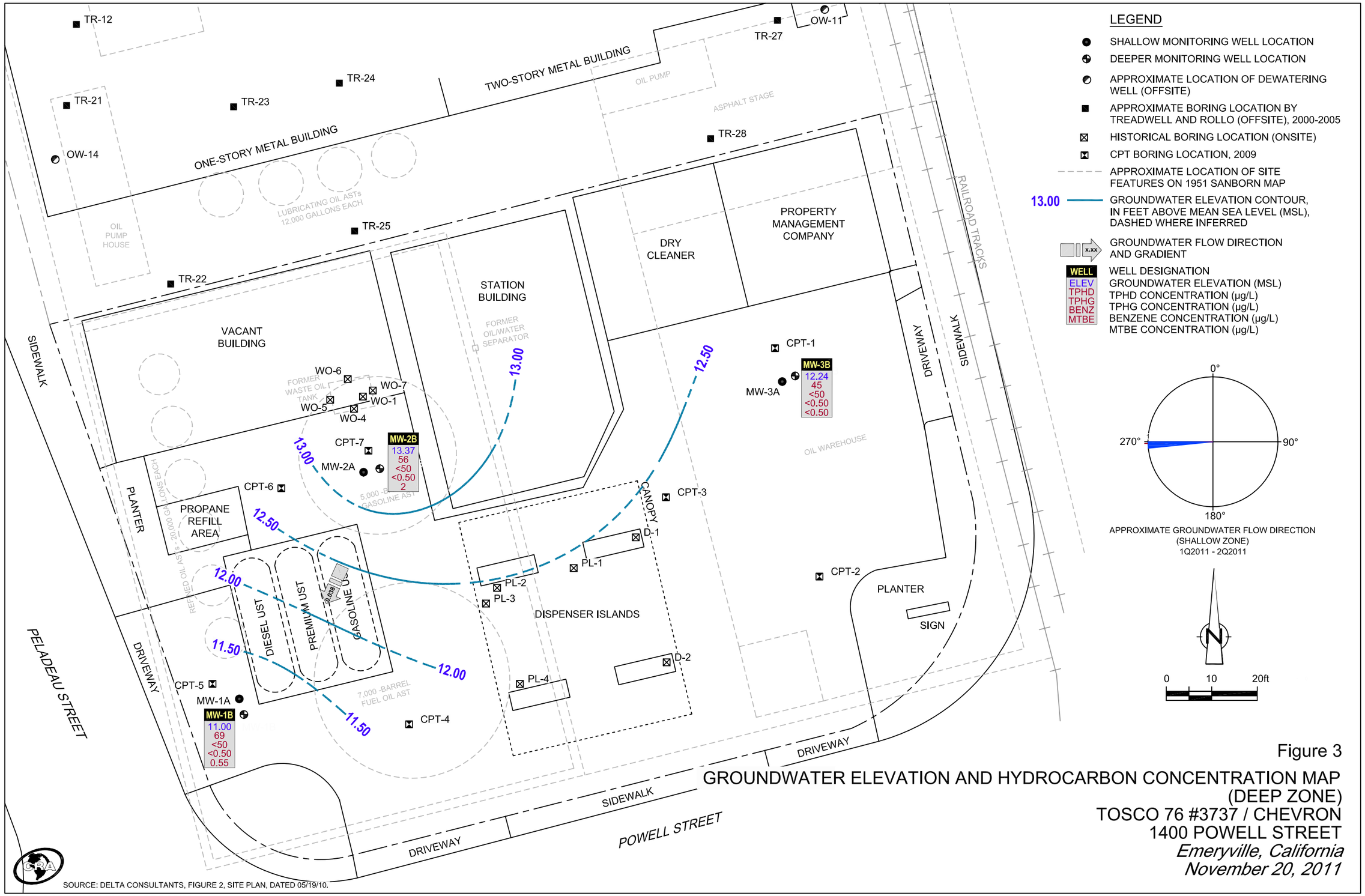


SOURCE: DELTA CONSULTANTS, FIGURE 2, SITE PLAN, DATED 05/19/10.

Figure 2

GROUNDWATER ELEVATION AND HYDROCARBON CONCENTRATION MAP
(SHALLOW ZONE)
TOSCO 76 #3737 / CHEVRON
1400 POWELL STREET
Emeryville, California
November 20, 2011

060716-95(004)GN-EM002 DEC 22/2011



SOURCE: DELTA CONSULTANTS, FIGURE 2, SITE PLAN, DATED 05/19/10.

Figure 3

GROUNDWATER ELEVATION AND HYDROCARBON CONCENTRATION MAP
(DEEP ZONE)
TOSCO 76 #3737 / CHEVRON
1400 POWELL STREET
Emeryville, California
November 20, 2011

060716-95(004)GN-EM003 DEC 23/2011

TABLE

TABLE 1
GROUNDWATER MONITORING AND SAMPLING DATA
TOSCO 76 #3737/CHEVRON
1400 POWELL STREET, EMERYVILLE, CALIFORNIA

					HYDROCARBONS			*PRIMARY VOCS*											*GENERAL CHEMISTRY*
Location	Date	*TOC*	*DTW*	*GWE*	*TPH - Motor Oil*	*TPH - Diesel*	*TPHg*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*TBA*	*ETBE*	*DIPE*	*TAME*	*EDB*	*1,2-DCA*	*Ethanol*
	Units	*ft*	*ft*	*ft-amsl*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-1A	05/01/2011	18.74	5.68	13.06	<200	450	1,100	36	0.86	5.9	1.9	31	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
MW-1A	08/28/2011	18.74	5.72	13.02	170	540	840	21	0.68	3.8	1.8	55	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
MW-1A	**11/20/2011**	**18.74**	**5.58**	**13.16**	**<100**	**460**	**1,300**	**20**	**0.74**	**6.4**	**<1.0**	**40**	**79**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**
MW-1B	05/01/2011	18.88	8.51	10.37	<200	82	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	19	<250
MW-1B	08/28/2011	18.88	8.27	10.61	<100	59	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	18	<250
MW-1B	**11/20/2011**	**18.88**	**7.88**	**11.00**	**<100**	**69**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**0.55**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**16**	**<250**
MW-2A	05/01/2011[1]	18.93	6.40	12.53	<1,000	1,500	2,800	860	4.6	61	12	220	2,500	<0.50	<0.50	<0.50	<0.50	<0.50	<250
MW-2A	08/28/2011[1]	18.93	5.93	13.00	<1,000	1,600	2,300	690	<5.0	53	<10	320	2,100	<5.0	<5.0	<5.0	<5.0	<5.0	<2,500
MW-2A	**11/20/2011[1]**	**18.93**	**5.73**	**13.20**	**<500**	**1,200**	**1,800**	**440**	**<5.0**	**50**	**<10**	**160**	**2,200**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<2,500**
MW-2B	05/01/2011	19.10	7.57	11.53	<200	<50	<50	1.2	<0.50	<0.50	<1.0	3.4	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
MW-2B	08/28/2011	19.10	5.82	13.28	<100	<40	<50	<0.50	<0.50	<0.50	<1.0	2.3	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
MW-2B	**11/20/2011**	**19.10**	**5.73**	**13.37**	**<100**	**56**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**2.0**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**
MW-3A	05/01/2011	18.62	4.68	13.94	<200	460	2,700	130	2.7	98	3.6	<0.50	<10	<0.50	<0.50	<0.50	<0.50	1.2	<250
MW-3A	08/28/2011	18.62	4.92	13.70	130	440	1,700	39	0.51	28	1.6	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
MW-3A	**11/20/2011**	**18.62**	**4.97**	**13.65**	**<100**	**330**	**1,200**	**25**	**0.83**	**17**	**<1.0**	**<0.50**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**
MW-3B	05/01/2011	18.57	6.68	11.89	<200	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
MW-3B	08/28/2011	18.57	7.29	11.28	<100	<40	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250
MW-3B	**11/20/2011**	**18.57**	**6.33**	**12.24**	**<100**	**45**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**

TABLE 1
GROUNDWATER MONITORING AND SAMPLING DATA
TOSCO 76 #3737/CHEVRON
1400 POWELL STREET, EMERYVILLE, CALIFORNIA

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

Abbreviations and Notes:

TOC = Top of Casing

DTW = Depth to Water

GWE = Groundwater elevation

(ft-amsl) = Feet Above Mean sea level

ft = Feet

µg/L = Micrograms per Liter

TPH - Total Petroleum Hydrocarbons

TPHg - Total Purgeable Petroleum Hydrocarbons

VOCS = Volatile Organic Compounds

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylene

MTBE = Methyl tert butyl ether

TBA = Tert-Butyl alcohol

DIPE = Diisopropyl ether

ETBE = Tert-Butyl ethyl ether

TAME = Tert-Amyl methyl ether

EDB = 1,2-Dibromoethane (Ethylene dibromide)

1,2-DCA = 1,2-Dichloroethane

-- = Not available / not applicable

<x = Not detected above laboratory method detection limit

U Compound not detected.

J Estimated value.

1 Well dewatered and only adequate pre-purge groundwater was available for TPHmo analysis: two samples collected.

ATTACHMENT A

MONITORING DATA PACKAGE

123 Technology Drive West
Irvine, CA 92618

949.727.9336 PHONE
949.727.7399 FAX

www.TRCsolutions.com

DATE: November 30, 2011

TO: Michael McDonald
CRA
175 Technology Drive, Suite 150
Irvine, California 92618

SITE: Unocal Site 3737
Facility 351780
1400 Powell Street, Emeryville, CA

RE: Transmittal of Groundwater Monitoring Data

Dear Mr. McDonald,

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 November 20, 2011. 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 949-341-7440 if you have questions.

Sincerely,

TRC

Anju Farfan
Groundwater Program Operations Manager

GENERAL FIELD PROCEDURES

Groundwater Gauging and Sampling Assignments

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

Fluid Level Measurements (Gauging)

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

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

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

Purging and Groundwater Parameter Measurement

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

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

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

Groundwater Sample Collection

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

GENERAL FIELD PROCEDURES

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

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

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

Sequence of Gauging, Purging and Sampling

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

Decontamination

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

Purge Water Disposal

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

Exceptions

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

FIELD MONITORING DATA SHEET

Technician: A. Vickers Job #/Task #: 193487.0035.1780 Date: 11/20/11

Site # 3737 Project Manager AF Page 1 of 1

Well #	TOC	Time Gauged	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-1B	✓	0539	21.71	7.88	—	—	0827	2"
MW-3B	✓	0544	23.80	6.33	—	—	0837	2"
MW-2B	✓	0548	23.53	5.73	—	—	0915	2"
MW-1A	✓	0552	9.88	5.58	—	—	0848	2"
MW-3A	✓	0556	9.22	4.97	—	—	0904	2"
MW-2A	✓	0600	10.16	5.73	—	—	0933	2"

FIELD DATA COMPLETE QA/QC COC WELL BOX CONDITION SHEETS

MANIFEST DRUM INVENTORY TRAFFIC CONTROL

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: A. Vidvers

Site: 3737 Project No.: 183487.0035.1780 Date: 11/20/11

Well No. MW-3A Purge Method: HB

Depth to Water (feet): 4.97 Depth to Product (feet): —

Total Depth (feet) 9.22 LPH & Water Recovered (gallons): —

Water Column (feet): 4.25 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 5.82 1 Well Volume (gallons): 1

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0700			1	1246	22.9	6.96			
	0704		2	1224	23.0	6.94			
			3						

Static at Time Sampled	Total Gallons Purged	Sample Time
7.22	2	0904

Comments: Dry at 2 gallons. Did not recover in 2 hours.

Well No. MW-2A Purge Method: HB

Depth to Water (feet): 5.73 Depth to Product (feet): —

Total Depth (feet) 10.16 LPH & Water Recovered (gallons): —

Water Column (feet): 4.43 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 6.62 1 Well Volume (gallons): 1

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0729			1	2537	20.1	6.89			
	0733		2	2523	21.2	6.87			
			3						

Static at Time Sampled	Total Gallons Purged	Sample Time
8.77	2	0933

Comments: Pre-purge sample collected at 0725. Dry at 2 gallons. Did not recover in 2 hours. Went dry while sampling, unable to collect 2nd 32oz. amber for TPH-d + TPH-MO.

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: A. Vickers

Site: 3737 Project No.: 183487.0035.1780 Date: 11/20/11

Well No. MW-1B Purge Method: Sub

Depth to Water (feet): 7.88 Depth to Product (feet): —

Total Depth (feet) 21.71 LPH & Water Recovered (gallons): —

Water Column (feet): 13.83 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 10.65 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0632	0635		3	1221	17.6	6.78			
			6						
			9						

Static at Time Sampled	Total Gallons Purged	Sample Time
10.16	3	0827

Comments: Dry at 3 gallons. Did not recover in 45 minutes

Well No. MW-3B Purge Method: Sub

Depth to Water (feet): 6.33 Depth to Product (feet): —

Total Depth (feet) 23.80 LPH & Water Recovered (gallons): —

Water Column (feet): 17.47 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 9.82 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0653			3	1309	19.2	6.77			
	0657		6	1298	20.3	6.74			
			9						

Static at Time Sampled	Total Gallons Purged	Sample Time
8.13	6	0837

Comments: Dry at 6 gallons. Did not recover in 45 minutes.

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: A. Vidvers

Site: 3737 Project No.: 183487.0035.1780 Date: 11/20/11

Well No. MW-2B Purge Method: Sub

Depth to Water (feet): 5.73 Depth to Product (feet): —

Total Depth (feet) 23.53 LPH & Water Recovered (gallons): —

Water Column (feet): 17.80 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 9.29 1 Well Volume (gallons): 4

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0715	0718		4	956.6	18.7	9.55			
			8						
			12						

Static at Time Sampled	Total Gallons Purged	Sample Time
9.08	4	0915

Comments: Dry at 4 gallons. Did not recover in 45 minutes

Well No. MW-1A Purge Method: HB

Depth to Water (feet): 5.58 Depth to Product (feet): —

Total Depth (feet) 9.88 LPH & Water Recovered (gallons): —

Water Column (feet): 4.30 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 6.44 1 Well Volume (gallons): 1

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0639			1	833.3	19.5	7.05			
	0643		2	810.9	20.3	7.03			
			3						

Static at Time Sampled	Total Gallons Purged	Sample Time
5.96	2	0848

Comments: Dry at 2 gallons. Did not recover in 45 minutes.

TRC

STATEMENT OF NON-COMPLETION OF JOB

DATE OF EVENT: 11/20/11 SITE ID: 3737

TECH: A. Vickers CALLED SUPERVISOR: (YES) / NO

CALLED PM: YES / NO NAME OF PM: _____

WELL ID: MW-2A

Well went dry while sampling. Unable to collect 2nd 3202. amber for 8015 analysis.

WELL ID: _____

WELL ID: _____

TRC

WELL BOX CONDITION REPORT

SITE NO. 3737

ADDRESS 1400 Powell st. Emeryville, CA

DATE 11/20/11

PERFOMED BY: A. Vidwans

PAGE 1 OF 1

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

TRC

CHAIN OF CUSTODY FORM

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

COC ____ of ____

Union Oil Site ID: 3737	Union Oil Consultant: CRA
Site Global ID: T0601745730	Consultant Contact: [illegible]
Site Address: [illegible] Powell St, Emeryville, CA	Consultant Phone No.: [illegible]
	Sampling Company: TRC
Union Oil PM: [illegible]	Sampled By (PRINT): [illegible]
Union Oil PM Phone No.: 925 790 6270	Sampler Signature: [signature]
Charge Code: NWRTB- 0 351766 -0- LAB	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.

ANALYSES REQUIRED

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

Special Instructions

SAMPLE ID

Field Point Name	Matrix	DTW	Date (yymmdd)	Sample Time	# of Containers	TPH - Diesel by EPA 8015 w/ silica gel cleanup	TPH - G by GC/MS	BTEX/MTBE/OXYS by EPA 8260B	Ethanol by EPA 8260B	EPA 8260B Full List with OXYS	TPH-G by 8260B	TPH Motor Oil by 8015 w/ silica gel cleanup					Notes / Comments
MW-1B	W-S-A		111120	0827	5	X			X	X	X	X					
MW-4B	W-S-A		↓	0837	↓	↓			↓	↓	↓	↓					
MW-2B	W-S-A		↓	0915	↓	↓			↓	↓	↓	↓					
MW-1A	W-S-A		↓	0848	↓	↓			↓	↓	↓	↓					
MW-3A	W-S-A		↓	0904	↓	↓			↓	↓	↓	↓					
MW-2A	W-S-A		↓	0933	4	↓			↓	↓	↓	↓					
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																

Relinquished By	Company	Date / Time:	Relinquished By	Company	Date / Time :	Relinquished By	Company	Date / Time:
[signature]	TRC	11/20/11 1200						
Received By	**Company**	**Date / Time:**	**Received By**	**Company**	**Date / Time :**	**Received By**	**Company**	**Date / Time:**
[signature]	BC Labs	11-21-11 1330						

TRC SOLUTIONS

TECHNICAL SERVICES REQUEST FORM

26-Oct-11

Site ID:	3737	**Project No.:**	183487.0035.1780 / 00TA01
Address	1400 Powell Street	**Client:**	Roya Kambin
City:	Emeryville	**Contact #:**	925-790-6270
Cross Street:	Peladeau Street	**PM:**	Ian Hull CRA
		PM Contact #:	510-420-3344

Total number of wells: 6 **Min. Well Diameter (in.):** **# of Techs, # of Hrs:** 1, 6

Depth to Water (ft.): **Max. Well Diameter (in.):** **Travel Time (hrs):**

Max. Well Depth (ft):

ACTIVITIES:		Frequency	Notes
Gauging:	☑	Quarterly	
Purge/Sampling:	☑	Quarterly	
No Purge/Sample	☐		

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

PERMIT INFORMATION:

NOTIFICATIONS:

Station Owner/Operator: Mr. Najmeddin Ravan, 510-653-2251. He is at the station until noon.

SITE INFORMATION:

The site is currently a Chevron station. It can only be sampled on a Sunday per the access agreement.

Prior to gauging, uncap all wells and allow to equilibrate for 15 minutes.

Well MW-2A does not recharge quickly.
- collect a no purge sample (these will be submitted if the well does not recharge after purging)
- then purge and sample the well
- if the well recharges after purging, please collect post-purge samples (submit these to the laboratory and discard the pre-purge samples)

TRC SOLUTIONS

TECHNICAL SERVICES REQUEST FORM

26-Oct-11

Site ID:	3737	**Project No.:**	183487.0035.1780 / 00TA01
Address	1400 Powell Street	**Client:**	Roya Kambin
City:	Emeryville	**Contact #:**	925-790-6270
Cross Street:	Peladeau Street	**PM:**	Ian Hull CRA
		PM Contact #:	510-420-3344

LAB INFORMATION:

Global ID: T06019745736

Lab WO: 351780

Lab Used: BC

Lab Notes: Lab Analyses:
TPH-G by 8260B, Full Scan 8260B including OXYS, Ethanol by 8260B [Containers: 3 voas w/ HCl]
TPH-Diesel by 8015 w/ silica gel cleanup, TPH-Motor Oil by 8015 w/ silica gel cleanup [Container: two 1L ambers unpreserved]

TRC SOLUTIONS

TECHNICAL SERVICES REQUEST FORM

26-Oct-11

Site ID.: 3737
Address 1400 Powell Street
City: Emeryville
Cross Street Peladeau Street

			Gauging				Sampling				Field Measurements			
Well IDs	Benz.	MTBE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Pre-Purge	Post-Purge	Type	Comments
MW-3B	0	0	☑	☑	☑	☑	☑	☑	☑	☑	☐	☐		
MW-1B	0	0	☑	☑	☑	☑	☑	☑	☑	☑	☐	☐		
MW-2B	0	2.3	☑	☑	☑	☑	☑	☑	☑	☑	☐	☐		
MW-1A	21	55	☑	☑	☑	☑	☑	☑	☑	☑	☐	☐		
MW-3A	39	0	☑	☑	☑	☑	☑	☑	☑	☑	☐	☐		
MW-2A	690	320	☑	☑	☑	☑	☑	☑	☑	☑	☐	☐		

ATTACHMENT B

LABORATORY ANALYTICAL REPORT

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 12/12/2011

Jim Schneider

Conestoga-Rovers & Associates
5900 Hollis St. Suite A
Emeryville, CA 94608

Project:	3737
BC Work Order:	1119316
Invoice ID:	B112860

Enclosed are the results of analyses for samples received by the laboratory on 11/21/2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

Table of Contents

11-19316

CHAIN OF CUSTODY FORM

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

COC 1 of 1

Union Oil Site ID: 3737	Union Oil Consultant: CRA
Site Global ID: T0601974573b	Consultant Contact: Ian Hull
Site Address: 1400 Powell St. Emeryville, CA	Consultant Phone No.: 510 420 3344
	Sampling Company: TRC
Union Oil PM: Roya Kambin	Sampled By (PRINT): Andrew Vidvers
Union Oil PM Phone No.: 925 790 6270	Sampler Signature: [signature]
Charge Code: NWRTB- 0 351780 -0- LAB	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.

ANALYSES REQUIRED

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

Special Instructions

SAMPLE ID

Field Point Name	Matrix	DTW	Date (yymmdd)	Sample Time	# of Containers	TPH - Diesel by EPA 8015 w/ silica gel cleanup	TPH - G by GC/MS	BTEX/MTBE/OXYS by EPA 8260B	Ethanol by EPA 8260B	EPA 8260B Full List with OXYS	TPH-G by 8260B	TPH-Motor Oil by 8015 w/ silica gel cleanup				Notes / Comments
MW-1B	(W)-S-A	-1	111120	0827	5	X			X	X	X	X				
MW-3B	↓ W-S-A	-2	↓	0837	↓	↓			↓	↓	↓	↓				
MW-2B	W-S-A	-3		0915												
MW-1A	W-S-A	-4		0848												
MW-3A	W-S-A	-5		0904	↓											
MW-2A	W-S-A	-6	↓	0933	4	↓			↓	↓	↓	↓				
	W-S-A															
	W-S-A															
	W-S-A															
	W-S-A															
	W-S-A															
	W-S-A															

CHK BY [initials] DISTRIBUTION [initials] SUB-OUT ☐

Relinquished By	Company	Date / Time:	Relinquished By	Company	Date / Time:	Relinquished By	Company	Date / Time:
[signature]	TRC	11/20/11 1200	Gary Bogan	BC LABS	11-21-11 1900	R L Ruy	BC	11.21.11 2130
Received By	**Company**	**Date / Time:**	**Received By**	**Company**	**Date / Time:**	**Received By**	**Company**	**Date / Time:**
Gary Bogan	BC LABS	11-21-11 1330	R L Ruy	BC	11.21.11 1900	B Grammel		11-21-11 2130

Chain of Custody and Cooler Receipt Form for 1119316 Page 2 of 2

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

Submission #: 11-19316

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

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

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

Custody Seals: Ice Chest ☐ (Intact? Yes ☐ No ☐) Containers ☐ (Intact? Yes ☐ No ☐) None ☒ Comments:

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

COC Received ☒ YES ☐ NO

Emissivity: .98 Container: QtA Thermometer ID: 177

Temperature: A 2.3 °C / C 2.3 °C

Date/Time 11-21-11 2130

Analyst Init BLT

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A13	A13	A13	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	BC	BC	BC	BC	BC	BC				
8 OZ. JAR						JNW				
32 OZ. JAR						11-22-11				
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:

Sample Numbering Completed By: JNW Date/Time: 11-22-11 1400

A = Actual / C = Corrected

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

Conestoga-Rovers & Associates
5900 Hollis St. Suite A
Emeryville, CA 94608

Reported: 12/12/2011 10:15
Project: 3737
Project Number: 351780
Project Manager: Jim Schneider

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1119316-01	**COC Number:**	---	**Receive Date:**	11/21/2011 21:30
	Project Number:	3737	**Sampling Date:**	11/20/2011 08:27
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-1B-W-111120	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: T06019745736	
			Location ID (FieldPoint): MW-1B	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1119316-02	**COC Number:**	---	**Receive Date:**	11/21/2011 21:30
	Project Number:	3737	**Sampling Date:**	11/20/2011 08:37
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-3B-W-111120	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: T06019745736	
			Location ID (FieldPoint): MW-3B	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1119316-03	**COC Number:**	---	**Receive Date:**	11/21/2011 21:30
	Project Number:	3737	**Sampling Date:**	11/20/2011 09:15
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-2B-W-111120	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: T06019745736	
			Location ID (FieldPoint): MW-2B	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

Conestoga-Rovers & Associates
5900 Hollis St. Suite A
Emeryville, CA 94608

Reported: 12/12/2011 10:15
Project: 3737
Project Number: 351780
Project Manager: Jim Schneider

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1119316-04	**COC Number:**	---	**Receive Date:**	11/21/2011 21:30
	Project Number:	3737	**Sampling Date:**	11/20/2011 08:48
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-1A-W-111120	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: T06019745736	
			Location ID (FieldPoint): MW-1A	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1119316-05	**COC Number:**	---	**Receive Date:**	11/21/2011 21:30
	Project Number:	3737	**Sampling Date:**	11/20/2011 09:04
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-3A-W-111120	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: T06019745736	
			Location ID (FieldPoint): MW-3A	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1119316-06	**COC Number:**	---	**Receive Date:**	11/21/2011 21:30
	Project Number:	3737	**Sampling Date:**	11/20/2011 09:33
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-2A-W-111120	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: T06019745736	
			Location ID (FieldPoint): MW-2A	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

Conestoga-Rovers & Associates
5900 Hollis St. Suite A
Emeryville, CA 94608

Reported: 12/12/2011 10:15
Project: 3737
Project Number: 351780
Project Manager: Jim Schneider

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1119316-01 | **Client Sample Name:** 3737, MW-1B-W-111120, 11/20/2011 8:27:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
Bromobenzene	ND	ug/L	0.50	EPA-8260	ND		1
Bromochloromethane	ND	ug/L	0.50	EPA-8260	ND		1
Bromodichloromethane	ND	ug/L	0.50	EPA-8260	ND		1
Bromoform	ND	ug/L	0.50	EPA-8260	ND		1
Bromomethane	ND	ug/L	1.0	EPA-8260	ND		1
n-Butylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
sec-Butylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
tert-Butylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Carbon tetrachloride	ND	ug/L	0.50	EPA-8260	ND		1
Chlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
Chloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Chloroform	ND	ug/L	0.50	EPA-8260	ND		1
Chloromethane	ND	ug/L	0.50	EPA-8260	ND		1
2-Chlorotoluene	ND	ug/L	0.50	EPA-8260	ND		1
4-Chlorotoluene	ND	ug/L	0.50	EPA-8260	ND		1
Dibromochloromethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
Dibromomethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	EPA-8260	ND		1
1,1-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	**16**	**ug/L**	**0.50**	**EPA-8260**	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	EPA-8260	ND		1
cis-1,2-Dichloroethene	ND	ug/L	0.50	EPA-8260	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	EPA-8260	ND		1
Total 1,2-Dichloroethene	ND	ug/L	1.0	EPA-8260	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	EPA-8260	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	EPA-8260	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	EPA-8260	ND		1

Conestoga-Rovers & Associates
5900 Hollis St. Suite A
Emeryville, CA 94608

Reported: 12/12/2011 10:15
Project: 3737
Project Number: 351780
Project Manager: Jim Schneider

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1119316-01 | **Client Sample Name:** 3737, MW-1B-W-111120, 11/20/2011 8:27:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	ug/L	0.50	EPA-8260	ND		1
cis-1,3-Dichloropropene	ND	ug/L	0.50	EPA-8260	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	EPA-8260	ND		1
Total 1,3-Dichloropropene	ND	ug/L	1.0	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	EPA-8260	ND		1
Isopropylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
p-Isopropyltoluene	ND	ug/L	0.50	EPA-8260	ND		1
Methylene chloride	ND	ug/L	1.0	EPA-8260	ND		1
Methyl t-butyl ether	**0.55**	**ug/L**	**0.50**	**EPA-8260**	ND		1
Naphthalene	ND	ug/L	0.50	EPA-8260	ND		1
n-Propylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Styrene	ND	ug/L	0.50	EPA-8260	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	EPA-8260	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Tetrachloroethene	ND	ug/L	0.50	EPA-8260	ND		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Trichloroethene	ND	ug/L	0.50	EPA-8260	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	EPA-8260	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Vinyl chloride	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

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Reported: 12/12/2011 10:15
Project: 3737
Project Number: 351780
Project Manager: Jim Schneider

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1119316-01 | **Client Sample Name:** 3737, MW-1B-W-111120, 11/20/2011 8:27:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
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)	86.2	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	92.6	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	88.8	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	12/02/11	12/02/11 18:25	JCC	MS-V4	1	BUL0061

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Reported: 12/12/2011 10:15
Project: 3737
Project Number: 351780
Project Manager: Jim Schneider

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1119316-01 | **Client Sample Name:** 3737, MW-1B-W-111120, 11/20/2011 8:27:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	**69**	**ug/L**	**40**	**EPA-8015B/FFP**	ND	**A52**	1
TPH - Motor Oil	ND	ug/L	100	EPA-8015B/FFP	ND	A57	1
Tetracosane (Surrogate)	90.8	%	37 - 134 (LCL - UCL)	EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	11/23/11	12/06/11 12:23	MWB	GC-2	1	BUL0302

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Reported: 12/12/2011 10:15
Project: 3737
Project Number: 351780
Project Manager: Jim Schneider

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1119316-02 | **Client Sample Name:** 3737, MW-3B-W-111120, 11/20/2011 8:37:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
Bromobenzene	ND	ug/L	0.50	EPA-8260	ND		1
Bromochloromethane	ND	ug/L	0.50	EPA-8260	ND		1
Bromodichloromethane	ND	ug/L	0.50	EPA-8260	ND		1
Bromoform	ND	ug/L	0.50	EPA-8260	ND		1
Bromomethane	ND	ug/L	1.0	EPA-8260	ND		1
n-Butylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
sec-Butylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
tert-Butylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Carbon tetrachloride	ND	ug/L	0.50	EPA-8260	ND		1
Chlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
Chloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Chloroform	ND	ug/L	0.50	EPA-8260	ND		1
Chloromethane	ND	ug/L	0.50	EPA-8260	ND		1
2-Chlorotoluene	ND	ug/L	0.50	EPA-8260	ND		1
4-Chlorotoluene	ND	ug/L	0.50	EPA-8260	ND		1
Dibromochloromethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
Dibromomethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	EPA-8260	ND		1
1,1-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	EPA-8260	ND		1
cis-1,2-Dichloroethene	ND	ug/L	0.50	EPA-8260	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	EPA-8260	ND		1
Total 1,2-Dichloroethene	ND	ug/L	1.0	EPA-8260	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	EPA-8260	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	EPA-8260	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	EPA-8260	ND		1

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Reported: 12/12/2011 10:15
Project: 3737
Project Number: 351780
Project Manager: Jim Schneider

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1119316-02 | **Client Sample Name:** 3737, MW-3B-W-111120, 11/20/2011 8:37:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	ug/L	0.50	EPA-8260	ND		1
cis-1,3-Dichloropropene	ND	ug/L	0.50	EPA-8260	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	EPA-8260	ND		1
Total 1,3-Dichloropropene	ND	ug/L	1.0	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	EPA-8260	ND		1
Isopropylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
p-Isopropyltoluene	ND	ug/L	0.50	EPA-8260	ND		1
Methylene chloride	ND	ug/L	1.0	EPA-8260	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Naphthalene	ND	ug/L	0.50	EPA-8260	ND		1
n-Propylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Styrene	ND	ug/L	0.50	EPA-8260	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	EPA-8260	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Tetrachloroethene	ND	ug/L	0.50	EPA-8260	ND		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Trichloroethene	ND	ug/L	0.50	EPA-8260	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	EPA-8260	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Vinyl chloride	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

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Reported: 12/12/2011 10:15
Project: 3737
Project Number: 351780
Project Manager: Jim Schneider

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1119316-02 | **Client Sample Name:** 3737, MW-3B-W-111120, 11/20/2011 8:37:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
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)	83.2	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	90.7	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	93.3	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	12/02/11	12/02/11 17:56	JCC	MS-V4	1	BUL0061

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Reported: 12/12/2011 10:15
Project: 3737
Project Number: 351780
Project Manager: Jim Schneider

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1119316-02 | **Client Sample Name:** 3737, MW-3B-W-111120, 11/20/2011 8:37:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	**45**	**ug/L**	**40**	**EPA-8015B/FFP**	ND	**A52**	1
TPH - Motor Oil	ND	ug/L	100	EPA-8015B/FFP	ND	A57	1
Tetracosane (Surrogate)	76.2	%	37 - 134 (LCL - UCL)	EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	11/23/11	12/06/11 12:46	MWB	GC-2	0.980	BUL0302

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Reported: 12/12/2011 10:15
Project: 3737
Project Number: 351780
Project Manager: Jim Schneider

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1119316-03 | **Client Sample Name:** 3737, MW-2B-W-111120, 11/20/2011 9:15:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
Bromobenzene	ND	ug/L	0.50	EPA-8260	ND		1
Bromochloromethane	ND	ug/L	0.50	EPA-8260	ND		1
Bromodichloromethane	ND	ug/L	0.50	EPA-8260	ND		1
Bromoform	ND	ug/L	0.50	EPA-8260	ND		1
Bromomethane	ND	ug/L	1.0	EPA-8260	ND		1
n-Butylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
sec-Butylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
tert-Butylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Carbon tetrachloride	ND	ug/L	0.50	EPA-8260	ND		1
Chlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
Chloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Chloroform	ND	ug/L	0.50	EPA-8260	ND		1
Chloromethane	ND	ug/L	0.50	EPA-8260	ND		1
2-Chlorotoluene	ND	ug/L	0.50	EPA-8260	ND		1
4-Chlorotoluene	ND	ug/L	0.50	EPA-8260	ND		1
Dibromochloromethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
Dibromomethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	EPA-8260	ND		1
1,1-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	EPA-8260	ND		1
cis-1,2-Dichloroethene	ND	ug/L	0.50	EPA-8260	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	EPA-8260	ND		1
Total 1,2-Dichloroethene	ND	ug/L	1.0	EPA-8260	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	EPA-8260	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	EPA-8260	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	EPA-8260	ND		1

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Reported: 12/12/2011 10:15
Project: 3737
Project Number: 351780
Project Manager: Jim Schneider

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1119316-03 | **Client Sample Name:** 3737, MW-2B-W-111120, 11/20/2011 9:15:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	ug/L	0.50	EPA-8260	ND		1
cis-1,3-Dichloropropene	ND	ug/L	0.50	EPA-8260	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	EPA-8260	ND		1
Total 1,3-Dichloropropene	ND	ug/L	1.0	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	EPA-8260	ND		1
Isopropylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
p-Isopropyltoluene	ND	ug/L	0.50	EPA-8260	ND		1
Methylene chloride	ND	ug/L	1.0	EPA-8260	ND		1
Methyl t-butyl ether	**2.0**	**ug/L**	**0.50**	**EPA-8260**	ND		1
Naphthalene	ND	ug/L	0.50	EPA-8260	ND		1
n-Propylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Styrene	ND	ug/L	0.50	EPA-8260	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	EPA-8260	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Tetrachloroethene	ND	ug/L	0.50	EPA-8260	ND		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Trichloroethene	ND	ug/L	0.50	EPA-8260	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	EPA-8260	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Vinyl chloride	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

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Reported: 12/12/2011 10:15
Project: 3737
Project Number: 351780
Project Manager: Jim Schneider

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1119316-03 | **Client Sample Name:** 3737, MW-2B-W-111120, 11/20/2011 9:15:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
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)	81.5	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	91.1	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	92.5	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	12/02/11	12/02/11 17:27	JCC	MS-V4	1	BUL0061

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Reported: 12/12/2011 10:15
Project: 3737
Project Number: 351780
Project Manager: Jim Schneider

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1119316-03 | **Client Sample Name:** 3737, MW-2B-W-111120, 11/20/2011 9:15:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	**56**	**ug/L**	**40**	**EPA-8015B/FFP**	ND	**A52**	1
TPH - Motor Oil	ND	ug/L	100	EPA-8015B/FFP	ND	A57	1
Tetracosane (Surrogate)	87.3	%	37 - 134 (LCL - UCL)	EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	11/23/11	12/06/11 13:09	MWB	GC-2	0.990	BUL0302

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Reported: 12/12/2011 10:15
Project: 3737
Project Number: 351780
Project Manager: Jim Schneider

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1119316-04 | **Client Sample Name:** 3737, MW-1A-W-111120, 11/20/2011 8:48:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**20**	**ug/L**	**0.50**	**EPA-8260**	ND		1
Bromobenzene	ND	ug/L	0.50	EPA-8260	ND		1
Bromochloromethane	ND	ug/L	0.50	EPA-8260	ND		1
Bromodichloromethane	ND	ug/L	0.50	EPA-8260	ND		1
Bromoform	ND	ug/L	0.50	EPA-8260	ND		1
Bromomethane	ND	ug/L	1.0	EPA-8260	ND		1
n-Butylbenzene	**10**	**ug/L**	**0.50**	**EPA-8260**	ND		1
sec-Butylbenzene	**3.4**	**ug/L**	**0.50**	**EPA-8260**	ND		1
tert-Butylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Carbon tetrachloride	ND	ug/L	0.50	EPA-8260	ND		1
Chlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
Chloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Chloroform	ND	ug/L	0.50	EPA-8260	ND		1
Chloromethane	ND	ug/L	0.50	EPA-8260	ND		1
2-Chlorotoluene	ND	ug/L	0.50	EPA-8260	ND		1
4-Chlorotoluene	ND	ug/L	0.50	EPA-8260	ND		1
Dibromochloromethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
Dibromomethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	EPA-8260	ND		1
1,1-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	EPA-8260	ND		1
cis-1,2-Dichloroethene	ND	ug/L	0.50	EPA-8260	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	EPA-8260	ND		1
Total 1,2-Dichloroethene	ND	ug/L	1.0	EPA-8260	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	EPA-8260	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	EPA-8260	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	EPA-8260	ND		1

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Reported: 12/12/2011 10:15
Project: 3737
Project Number: 351780
Project Manager: Jim Schneider

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1119316-04 | **Client Sample Name:** 3737, MW-1A-W-111120, 11/20/2011 8:48:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	ug/L	0.50	EPA-8260	ND		1
cis-1,3-Dichloropropene	ND	ug/L	0.50	EPA-8260	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	EPA-8260	ND		1
Total 1,3-Dichloropropene	ND	ug/L	1.0	EPA-8260	ND		1
Ethylbenzene	**6.4**	**ug/L**	**0.50**	**EPA-8260**	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	EPA-8260	ND		1
Isopropylbenzene	**24**	**ug/L**	**0.50**	**EPA-8260**	ND		1
p-Isopropyltoluene	**1.4**	**ug/L**	**0.50**	**EPA-8260**	ND		1
Methylene chloride	ND	ug/L	1.0	EPA-8260	ND		1
Methyl t-butyl ether	**40**	**ug/L**	**0.50**	**EPA-8260**	ND		1
Naphthalene	**0.69**	**ug/L**	**0.50**	**EPA-8260**	ND		1
n-Propylbenzene	**36**	**ug/L**	**0.50**	**EPA-8260**	ND		1
Styrene	ND	ug/L	0.50	EPA-8260	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	EPA-8260	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Tetrachloroethene	ND	ug/L	0.50	EPA-8260	ND		1
Toluene	**0.74**	**ug/L**	**0.50**	**EPA-8260**	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Trichloroethene	ND	ug/L	0.50	EPA-8260	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	EPA-8260	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
1,3,5-Trimethylbenzene	**5.7**	**ug/L**	**0.50**	**EPA-8260**	ND		1
Vinyl chloride	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	**79**	**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

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Project: 3737
Project Number: 351780
Project Manager: Jim Schneider

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1119316-04 | **Client Sample Name:** 3737, MW-1A-W-111120, 11/20/2011 8:48:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	**1300**	**ug/L**	**50**	**Luft-GC/MS**	ND		1
1,2-Dichloroethane-d4 (Surrogate)	88.7	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	93.5	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	97.3	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	12/02/11	12/02/11 16:59	JCC	MS-V4	1	BUL0061

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Reported: 12/12/2011 10:15
Project: 3737
Project Number: 351780
Project Manager: Jim Schneider

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1119316-04 | **Client Sample Name:** 3737, MW-1A-W-111120, 11/20/2011 8:48:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	**460**	**ug/L**	**40**	**EPA-8015B/FFP**	ND	**A52**	1
TPH - Motor Oil	ND	ug/L	100	EPA-8015B/FFP	ND	A57	1
Tetracosane (Surrogate)	73.7	%	37 - 134 (LCL - UCL)	EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	11/23/11	12/06/11 13:32	MWB	GC-2	0.950	BUL0302

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Reported: 12/12/2011 10:15
Project: 3737
Project Number: 351780
Project Manager: Jim Schneider

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1119316-05 | **Client Sample Name:** 3737, MW-3A-W-111120, 11/20/2011 9:04:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**25**	**ug/L**	**0.50**	**EPA-8260**	ND		1
Bromobenzene	ND	ug/L	0.50	EPA-8260	ND		1
Bromochloromethane	ND	ug/L	0.50	EPA-8260	ND		1
Bromodichloromethane	ND	ug/L	0.50	EPA-8260	ND		1
Bromoform	ND	ug/L	0.50	EPA-8260	ND		1
Bromomethane	ND	ug/L	1.0	EPA-8260	ND		1
n-Butylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
sec-Butylbenzene	**1.3**	**ug/L**	**0.50**	**EPA-8260**	ND		1
tert-Butylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Carbon tetrachloride	ND	ug/L	0.50	EPA-8260	ND		1
Chlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
Chloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Chloroform	ND	ug/L	0.50	EPA-8260	ND		1
Chloromethane	ND	ug/L	0.50	EPA-8260	ND		1
2-Chlorotoluene	ND	ug/L	0.50	EPA-8260	ND		1
4-Chlorotoluene	ND	ug/L	0.50	EPA-8260	ND		1
Dibromochloromethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
Dibromomethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	EPA-8260	ND		1
1,1-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	EPA-8260	ND		1
cis-1,2-Dichloroethene	ND	ug/L	0.50	EPA-8260	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	EPA-8260	ND		1
Total 1,2-Dichloroethene	ND	ug/L	1.0	EPA-8260	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	EPA-8260	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	EPA-8260	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	EPA-8260	ND		1

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1119316-05 | **Client Sample Name:** 3737, MW-3A-W-111120, 11/20/2011 9:04:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	ug/L	0.50	EPA-8260	ND		1
cis-1,3-Dichloropropene	ND	ug/L	0.50	EPA-8260	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	EPA-8260	ND		1
Total 1,3-Dichloropropene	ND	ug/L	1.0	EPA-8260	ND		1
Ethylbenzene	**17**	**ug/L**	**0.50**	**EPA-8260**	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	EPA-8260	ND		1
Isopropylbenzene	**7.9**	**ug/L**	**0.50**	**EPA-8260**	ND		1
p-Isopropyltoluene	**0.92**	**ug/L**	**0.50**	**EPA-8260**	ND		1
Methylene chloride	ND	ug/L	1.0	EPA-8260	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Naphthalene	ND	ug/L	0.50	EPA-8260	ND		1
n-Propylbenzene	**7.0**	**ug/L**	**0.50**	**EPA-8260**	ND		1
Styrene	ND	ug/L	0.50	EPA-8260	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	EPA-8260	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Tetrachloroethene	ND	ug/L	0.50	EPA-8260	ND		1
Toluene	**0.83**	**ug/L**	**0.50**	**EPA-8260**	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	EPA-8260	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Trichloroethene	ND	ug/L	0.50	EPA-8260	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	EPA-8260	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
1,3,5-Trimethylbenzene	**3.8**	**ug/L**	**0.50**	**EPA-8260**	ND		1
Vinyl chloride	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

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1119316-05 | **Client Sample Name:** 3737, MW-3A-W-111120, 11/20/2011 9:04:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	**1200**	**ug/L**	**50**	**Luft-GC/MS**	ND		1
1,2-Dichloroethane-d4 (Surrogate)	85.1	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	105	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	12/02/11	12/02/11 16:30	JCC	MS-V4	1	BUL0061

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Reported: 12/12/2011 10:15
Project: 3737
Project Number: 351780
Project Manager: Jim Schneider

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1119316-05 | **Client Sample Name:** 3737, MW-3A-W-111120, 11/20/2011 9:04:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	**330**	**ug/L**	**40**	**EPA-8015B/FFP**	ND	**A52**	1
TPH - Motor Oil	ND	ug/L	100	EPA-8015B/FFP	ND	A57	1
Tetracosane (Surrogate)	65.4	%	37 - 134 (LCL - UCL)	EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	11/23/11	12/06/11 13:56	MWB	GC-2	0.970	BUL0302

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Reported: 12/12/2011 10:15
Project: 3737
Project Number: 351780
Project Manager: Jim Schneider

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1119316-06 | **Client Sample Name:** 3737, MW-2A-W-111120, 11/20/2011 9:33:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**440**	**ug/L**	**5.0**	**EPA-8260**	ND	**A01**	1
Bromobenzene	ND	ug/L	5.0	EPA-8260	ND	A01	1
Bromochloromethane	ND	ug/L	5.0	EPA-8260	ND	A01	1
Bromodichloromethane	ND	ug/L	5.0	EPA-8260	ND	A01	1
Bromoform	ND	ug/L	5.0	EPA-8260	ND	A01	1
Bromomethane	ND	ug/L	10	EPA-8260	ND	A01	1
n-Butylbenzene	**6.3**	**ug/L**	**5.0**	**EPA-8260**	ND	**A01**	1
sec-Butylbenzene	ND	ug/L	5.0	EPA-8260	ND	A01	1
tert-Butylbenzene	ND	ug/L	5.0	EPA-8260	ND	A01	1
Carbon tetrachloride	ND	ug/L	5.0	EPA-8260	ND	A01	1
Chlorobenzene	ND	ug/L	5.0	EPA-8260	ND	A01	1
Chloroethane	ND	ug/L	5.0	EPA-8260	ND	A01	1
Chloroform	ND	ug/L	5.0	EPA-8260	ND	A01	1
Chloromethane	ND	ug/L	5.0	EPA-8260	ND	A01	1
2-Chlorotoluene	ND	ug/L	5.0	EPA-8260	ND	A01	1
4-Chlorotoluene	ND	ug/L	5.0	EPA-8260	ND	A01	1
Dibromochloromethane	ND	ug/L	5.0	EPA-8260	ND	A01	1
1,2-Dibromo-3-chloropropane	ND	ug/L	10	EPA-8260	ND	A01	1
1,2-Dibromoethane	ND	ug/L	5.0	EPA-8260	ND	A01	1
Dibromomethane	ND	ug/L	5.0	EPA-8260	ND	A01	1
1,2-Dichlorobenzene	ND	ug/L	5.0	EPA-8260	ND	A01	1
1,3-Dichlorobenzene	ND	ug/L	5.0	EPA-8260	ND	A01	1
1,4-Dichlorobenzene	ND	ug/L	5.0	EPA-8260	ND	A01	1
Dichlorodifluoromethane	ND	ug/L	5.0	EPA-8260	ND	A01	1
1,1-Dichloroethane	ND	ug/L	5.0	EPA-8260	ND	A01	1
1,2-Dichloroethane	ND	ug/L	5.0	EPA-8260	ND	A01	1
1,1-Dichloroethene	ND	ug/L	5.0	EPA-8260	ND	A01	1
cis-1,2-Dichloroethene	ND	ug/L	5.0	EPA-8260	ND	A01	1
trans-1,2-Dichloroethene	ND	ug/L	5.0	EPA-8260	ND	A01	1
Total 1,2-Dichloroethene	ND	ug/L	10	EPA-8260	ND	A01	1
1,2-Dichloropropane	ND	ug/L	5.0	EPA-8260	ND	A01	1
1,3-Dichloropropane	ND	ug/L	5.0	EPA-8260	ND	A01	1
2,2-Dichloropropane	ND	ug/L	5.0	EPA-8260	ND	A01	1

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1119316-06 | **Client Sample Name:** 3737, MW-2A-W-111120, 11/20/2011 9:33:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	ug/L	5.0	EPA-8260	ND	A01	1
cis-1,3-Dichloropropene	ND	ug/L	5.0	EPA-8260	ND	A01	1
trans-1,3-Dichloropropene	ND	ug/L	5.0	EPA-8260	ND	A01	1
Total 1,3-Dichloropropene	ND	ug/L	10	EPA-8260	ND	A01	1
Ethylbenzene	**50**	**ug/L**	**5.0**	**EPA-8260**	ND	**A01**	1
Hexachlorobutadiene	ND	ug/L	5.0	EPA-8260	ND	A01	1
Isopropylbenzene	**13**	**ug/L**	**5.0**	**EPA-8260**	ND	**A01**	1
p-Isopropyltoluene	ND	ug/L	5.0	EPA-8260	ND	A01	1
Methylene chloride	ND	ug/L	10	EPA-8260	ND	A01	1
Methyl t-butyl ether	**160**	**ug/L**	**5.0**	**EPA-8260**	ND	**A01**	1
Naphthalene	ND	ug/L	5.0	EPA-8260	ND	A01	1
n-Propylbenzene	**12**	**ug/L**	**5.0**	**EPA-8260**	ND	**A01**	1
Styrene	ND	ug/L	5.0	EPA-8260	ND	A01	1
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	EPA-8260	ND	A01	1
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	EPA-8260	ND	A01	1
Tetrachloroethene	ND	ug/L	5.0	EPA-8260	ND	A01	1
Toluene	ND	ug/L	5.0	EPA-8260	ND	A01	1
1,2,3-Trichlorobenzene	ND	ug/L	5.0	EPA-8260	ND	A01	1
1,2,4-Trichlorobenzene	ND	ug/L	5.0	EPA-8260	ND	A01	1
1,1,1-Trichloroethane	ND	ug/L	5.0	EPA-8260	ND	A01	1
1,1,2-Trichloroethane	ND	ug/L	5.0	EPA-8260	ND	A01	1
Trichloroethene	ND	ug/L	5.0	EPA-8260	ND	A01	1
Trichlorofluoromethane	ND	ug/L	5.0	EPA-8260	ND	A01	1
1,2,3-Trichloropropane	ND	ug/L	10	EPA-8260	ND	A01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	5.0	EPA-8260	ND	A01	1
1,2,4-Trimethylbenzene	ND	ug/L	5.0	EPA-8260	ND	A01	1
1,3,5-Trimethylbenzene	**6.5**	**ug/L**	**5.0**	**EPA-8260**	ND	**A01**	1
Vinyl chloride	ND	ug/L	5.0	EPA-8260	ND	A01	1
Total Xylenes	ND	ug/L	10	EPA-8260	ND	A01	1
t-Amyl Methyl ether	ND	ug/L	5.0	EPA-8260	ND	A01	1
t-Butyl alcohol	**2200**	**ug/L**	**100**	**EPA-8260**	ND	**A01**	1
Diisopropyl ether	ND	ug/L	5.0	EPA-8260	ND	A01	1
Ethanol	ND	ug/L	2500	EPA-8260	ND	A01	1

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Reported: 12/12/2011 10:15
Project: 3737
Project Number: 351780
Project Manager: Jim Schneider

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1119316-06 | **Client Sample Name:** 3737, MW-2A-W-111120, 11/20/2011 9:33:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	ug/L	5.0	EPA-8260	ND	A01	1
Total Purgeable Petroleum Hydrocarbons	**1800**	**ug/L**	**500**	**Luft-GC/MS**	ND	**A01**	1
1,2-Dichloroethane-d4 (Surrogate)	77.3	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	93.8	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	93.8	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	12/02/11	12/02/11 16:01	JCC	MS-V4	10	BUL0061

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Reported: 12/12/2011 10:15
Project: 3737
Project Number: 351780
Project Manager: Jim Schneider

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1119316-06 | **Client Sample Name:** 3737, MW-2A-W-111120, 11/20/2011 9:33:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
TPH - Diesel (FFP)	**1200**	**ug/L**	**200**	**EPA-8015B/FFP**	ND	**A01,A52**	1
TPH - Motor Oil	ND	ug/L	500	EPA-8015B/FFP	ND	A01	1
Tetracosane (Surrogate)	72.6	%	37 - 134 (LCL - UCL)	EPA-8015B/FFP		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	11/23/11	12/07/11 10:31	MWB	GC-13	5	BUL0302

Conestoga-Rovers & Associates
5900 Hollis St. Suite A
Emeryville, CA 94608

Reported: 12/12/2011 10:15
Project: 3737
Project Number: 351780
Project Manager: Jim Schneider

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BUL0061						
Benzene	BUL0061-BLK1	ND	ug/L	0.50		
Bromobenzene	BUL0061-BLK1	ND	ug/L	0.50		
Bromochloromethane	BUL0061-BLK1	ND	ug/L	0.50		
Bromodichloromethane	BUL0061-BLK1	ND	ug/L	0.50		
Bromoform	BUL0061-BLK1	ND	ug/L	0.50		
Bromomethane	BUL0061-BLK1	ND	ug/L	1.0		
n-Butylbenzene	BUL0061-BLK1	ND	ug/L	0.50		
sec-Butylbenzene	BUL0061-BLK1	ND	ug/L	0.50		
tert-Butylbenzene	BUL0061-BLK1	ND	ug/L	0.50		
Carbon tetrachloride	BUL0061-BLK1	ND	ug/L	0.50		
Chlorobenzene	BUL0061-BLK1	ND	ug/L	0.50		
Chloroethane	BUL0061-BLK1	ND	ug/L	0.50		
Chloroform	BUL0061-BLK1	ND	ug/L	0.50		
Chloromethane	BUL0061-BLK1	ND	ug/L	0.50		
2-Chlorotoluene	BUL0061-BLK1	ND	ug/L	0.50		
4-Chlorotoluene	BUL0061-BLK1	ND	ug/L	0.50		
Dibromochloromethane	BUL0061-BLK1	ND	ug/L	0.50		
1,2-Dibromo-3-chloropropane	BUL0061-BLK1	ND	ug/L	1.0		
1,2-Dibromoethane	BUL0061-BLK1	ND	ug/L	0.50		
Dibromomethane	BUL0061-BLK1	ND	ug/L	0.50		
1,2-Dichlorobenzene	BUL0061-BLK1	ND	ug/L	0.50		
1,3-Dichlorobenzene	BUL0061-BLK1	ND	ug/L	0.50		
1,4-Dichlorobenzene	BUL0061-BLK1	ND	ug/L	0.50		
Dichlorodifluoromethane	BUL0061-BLK1	ND	ug/L	0.50		
1,1-Dichloroethane	BUL0061-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BUL0061-BLK1	ND	ug/L	0.50		
1,1-Dichloroethene	BUL0061-BLK1	ND	ug/L	0.50		
cis-1,2-Dichloroethene	BUL0061-BLK1	ND	ug/L	0.50		
trans-1,2-Dichloroethene	BUL0061-BLK1	ND	ug/L	0.50		
Total 1,2-Dichloroethene	BUL0061-BLK1	ND	ug/L	1.0		
1,2-Dichloropropane	BUL0061-BLK1	ND	ug/L	0.50		
1,3-Dichloropropane	BUL0061-BLK1	ND	ug/L	0.50		
2,2-Dichloropropane	BUL0061-BLK1	ND	ug/L	0.50		
1,1-Dichloropropene	BUL0061-BLK1	ND	ug/L	0.50		

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BUL0061						
cis-1,3-Dichloropropene	BUL0061-BLK1	ND	ug/L	0.50		
trans-1,3-Dichloropropene	BUL0061-BLK1	ND	ug/L	0.50		
Total 1,3-Dichloropropene	BUL0061-BLK1	ND	ug/L	1.0		
Ethylbenzene	BUL0061-BLK1	ND	ug/L	0.50		
Hexachlorobutadiene	BUL0061-BLK1	ND	ug/L	0.50		
Isopropylbenzene	BUL0061-BLK1	ND	ug/L	0.50		
p-Isopropyltoluene	BUL0061-BLK1	ND	ug/L	0.50		
Methylene chloride	BUL0061-BLK1	ND	ug/L	1.0		
Methyl t-butyl ether	BUL0061-BLK1	ND	ug/L	0.50		
Naphthalene	BUL0061-BLK1	ND	ug/L	0.50		
n-Propylbenzene	BUL0061-BLK1	ND	ug/L	0.50		
Styrene	BUL0061-BLK1	ND	ug/L	0.50		
1,1,1,2-Tetrachloroethane	BUL0061-BLK1	ND	ug/L	0.50		
1,1,2,2-Tetrachloroethane	BUL0061-BLK1	ND	ug/L	0.50		
Tetrachloroethene	BUL0061-BLK1	ND	ug/L	0.50		
Toluene	BUL0061-BLK1	ND	ug/L	0.50		
1,2,3-Trichlorobenzene	BUL0061-BLK1	ND	ug/L	0.50		
1,2,4-Trichlorobenzene	BUL0061-BLK1	ND	ug/L	0.50		
1,1,1-Trichloroethane	BUL0061-BLK1	ND	ug/L	0.50		
1,1,2-Trichloroethane	BUL0061-BLK1	ND	ug/L	0.50		
Trichloroethene	BUL0061-BLK1	ND	ug/L	0.50		
Trichlorofluoromethane	BUL0061-BLK1	ND	ug/L	0.50		
1,2,3-Trichloropropane	BUL0061-BLK1	ND	ug/L	1.0		
1,1,2-Trichloro-1,2,2-trifluoroethane	BUL0061-BLK1	ND	ug/L	0.50		
1,2,4-Trimethylbenzene	BUL0061-BLK1	ND	ug/L	0.50		
1,3,5-Trimethylbenzene	BUL0061-BLK1	ND	ug/L	0.50		
Vinyl chloride	BUL0061-BLK1	ND	ug/L	0.50		
Total Xylenes	BUL0061-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BUL0061-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BUL0061-BLK1	ND	ug/L	10		
Diisopropyl ether	BUL0061-BLK1	ND	ug/L	0.50		
Ethanol	BUL0061-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BUL0061-BLK1	ND	ug/L	0.50		
Total Purgeable Petroleum Hydrocarbons	BUL0061-BLK1	ND	ug/L	50		

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BUL0061						
1,2-Dichloroethane-d4 (Surrogate)	BUL0061-BLK1	82.7	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BUL0061-BLK1	91.1	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BUL0061-BLK1	93.4	%	86 - 115 (LCL - UCL)		

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BUL0061										
Benzene	BUL0061-BS1	LCS	20.630	25.000	ug/L	82.5		70 - 130		
Bromodichloromethane	BUL0061-BS1	LCS	19.110	25.000	ug/L	76.4		70 - 130		
Chlorobenzene	BUL0061-BS1	LCS	24.080	25.000	ug/L	96.3		70 - 130		
Chloroethane	BUL0061-BS1	LCS	22.810	25.000	ug/L	91.2		70 - 130		
1,4-Dichlorobenzene	BUL0061-BS1	LCS	22.150	25.000	ug/L	88.6		70 - 130		
1,1-Dichloroethane	BUL0061-BS1	LCS	19.860	25.000	ug/L	79.4		70 - 130		
1,1-Dichloroethene	BUL0061-BS1	LCS	22.130	25.000	ug/L	88.5		70 - 130		
Toluene	BUL0061-BS1	LCS	20.390	25.000	ug/L	81.6		70 - 130		
Trichloroethene	BUL0061-BS1	LCS	21.260	25.000	ug/L	85.0		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BUL0061-BS1	LCS	8.0300	10.000	ug/L	80.3		76 - 114		S09
Toluene-d8 (Surrogate)	BUL0061-BS1	LCS	9.2200	10.000	ug/L	92.2		88 - 110		
4-Bromofluorobenzene (Surrogate)	BUL0061-BS1	LCS	9.5300	10.000	ug/L	95.3		86 - 115		

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BUL0061	Used client sample: N										
Benzene	MS	1119461-15	ND	18.690	25.000	ug/L		74.8		70 - 130	
	MSD	1119461-15	ND	19.580	25.000	ug/L	4.7	78.3	20	70 - 130	
Bromodichloromethane	MS	1119461-15	ND	19.810	25.000	ug/L		79.2		70 - 130	
	MSD	1119461-15	ND	19.790	25.000	ug/L	0.1	79.2	20	70 - 130	
Chlorobenzene	MS	1119461-15	ND	23.590	25.000	ug/L		94.4		70 - 130	
	MSD	1119461-15	ND	23.480	25.000	ug/L	0.5	93.9	20	70 - 130	
Chloroethane	MS	1119461-15	ND	19.270	25.000	ug/L		77.1		70 - 130	
	MSD	1119461-15	ND	21.560	25.000	ug/L	11.2	86.2	20	70 - 130	
1,4-Dichlorobenzene	MS	1119461-15	ND	22.300	25.000	ug/L		89.2		70 - 130	
	MSD	1119461-15	ND	21.570	25.000	ug/L	3.3	86.3	20	70 - 130	
1,1-Dichloroethane	MS	1119461-15	ND	18.140	25.000	ug/L		72.6		70 - 130	
	MSD	1119461-15	ND	19.030	25.000	ug/L	4.8	76.1	20	70 - 130	
1,1-Dichloroethene	MS	1119461-15	ND	19.760	25.000	ug/L		79.0		70 - 130	
	MSD	1119461-15	ND	21.120	25.000	ug/L	6.7	84.5	20	70 - 130	
Toluene	MS	1119461-15	ND	20.120	25.000	ug/L		80.5		70 - 130	
	MSD	1119461-15	ND	20.080	25.000	ug/L	0.2	80.3	20	70 - 130	
Trichloroethene	MS	1119461-15	ND	21.170	25.000	ug/L		84.7		70 - 130	
	MSD	1119461-15	ND	21.540	25.000	ug/L	1.7	86.2	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1119461-15	ND	8.4000	10.000	ug/L		84.0		76 - 114	
	MSD	1119461-15	ND	8.4700	10.000	ug/L	0.8	84.7		76 - 114	
Toluene-d8 (Surrogate)	MS	1119461-15	ND	9.3500	10.000	ug/L		93.5		88 - 110	
	MSD	1119461-15	ND	9.4800	10.000	ug/L	1.4	94.8		88 - 110	
4-Bromofluorobenzene (Surrogate)	MS	1119461-15	ND	9.9900	10.000	ug/L		99.9		86 - 115	
	MSD	1119461-15	ND	9.6800	10.000	ug/L	3.2	96.8		86 - 115	

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Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BUL0302						
TPH - Diesel (FFP)	BUL0302-BLK1	ND	ug/L	40		
TPH - Motor Oil	BUL0302-BLK1	ND	ug/L	100		
Tetracosane (Surrogate)	BUL0302-BLK1	80.3	%	37 - 134 (LCL - UCL)		

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Project Manager: Jim Schneider

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BUL0302										
TPH - Diesel (FFP)	BUL0302-BS1	LCS	404.77	500.00	ug/L	81.0		52 - 128		
Tetracosane (Surrogate)	BUL0302-BS1	LCS	16.968	20.000	ug/L	84.8		37 - 134		

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Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BUL0302	Used client sample: N										
TPH - Diesel (FFP)	MS	1119798-08	ND	425.73	500.00	ug/L		85.1		50 - 127	
	MSD	1119798-08	ND	424.39	500.00	ug/L	0.3	84.9	24	50 - 127	
Tetracosane (Surrogate)	MS	1119798-08	ND	17.454	20.000	ug/L		87.3		37 - 134	
	MSD	1119798-08	ND	17.316	20.000	ug/L	0.8	86.6		37 - 134	

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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.
A57	Chromatogram not typical of motor oil.
S09	The surrogate recovery on the sample for this compound was not within the control limits.

ATTACHMENT C

HISTORICAL GROUNDWATER MONITORING AND SAMPLING DATA

Table 2
Summary of Current Groundwater Analytical Data
Chevron Branded Service Station No. 3737
1400 Powell Street
Emeryville, California

Sample ID	Date	Time	Depth to Water	TOC Elevation	Groundwater Elevation	TPH-G (µg/L)	TPH-D (µg/L)	TPH-MO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	TAME (µg/L)	TBA (µg/L)	DIPE (µg/L)	Ethanol (µg/L)	ETBE (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	n-Butyl-benzene (µg/L)	sec-Butyl-benzene (µg/L)	Chloroform (µg/L)	Isopropyl-benzene (µg/L)	p-Isopropyl-toluene (µg/L)	Napthalene (µg/L)	n-Propyl-benzene (µg/L)	1,2,4-Trimethyl-benzene (µg/L)	1,3,5 Trimethyl-benzene (µg/L)
MW-1A	1/26/2011	2:20	5.8	18.743	12.94	**960**	**450** A52	<200	**8.4**	<0.50	**1.9**	**1.6**	**50**	**1.4**	**62**	<0.50	<250	<0.50	<0.50	<0.50	**2.2**	**1.2**	<0.50	**4.2**	**1.8**	**1.8**	**7.3**	**1.0**	**1.2**
MW-1B	1/26/2011	1:20	9.46	18.884	9.42	<50	<50	<200	<0.50	<0.50	<0.50	<1.0	**0.66**	<0.50	<10	<0.50	<250	<0.50	<0.50	**24**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-2A	1/26/2011	10:33	8.02	18.925	10.91	**2,500**	**1,200**	<1000	**100**	**2.2**	**28**	**9.0**	**140**	<0.50	**1,300**	<0.50	<250	<0.50	<0.50	<0.50	**6.6**	**3.9**	**2.5**	**14**	**7.6**	**17**	**23**	**2.5**	**2.4**
MW-2B	1/26/2011	2:10	5.51	19.099	13.59	<50	<50	<200	**0.55**	<0.50	<0.50	<1.0	**3.4**	<0.50	<10	<0.50	<250	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-3A	1/26/2011	2:30	4.75	18.616	13.87	**3,100**	**830**	<200	**160**	<5.0	**96**	<10	<5.0	<5.0	<100	<5.0	<2500	<5.0	<5.0	<5.0	<5.0	**6.2**	<5.0	**40**	**9.2**	<5.0	**54**	<5.0	<5.0
MW-3B	1/26/2011	1:35	7.33	18.571	11.24	<50	**57**	<200	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<10	<0.50	<250	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
COMP	1/26/2011	1:15	NA	NA	NA	**1,200**	**350**	<200	**13**	**0.57**	**5.4**	**1.5**	**6.0**	<0.50	**92**	<0.50	**15,000**	<0.50	<0.50	**3.6**	**5.3**	**2.3**	<0.50	**4.0**	**2.9**	**5.6**	**8.4**	**0.60**	**0.52**
ESL	--	--	--	--	--	100	100	100	1	40	30	20	5	NA	12	NA	NA	NA	0.05	0.5	NA	NA	70	NA	NA	17	NA	NA	NA

Notes:

Depth to water measured in feet below top of casing
Groundwtaer elevation measured in feet above mean sea level
Bold concentrations indicate detection above laboratory reporting limit

(µg/L)	micrograms per liter
TPH-D	Total Petroleum Hydrocarbons as Diesel
TPH-MO	Total Petroleum Hydrocarbons as Motor Oil
TPH-G	Total Petroleum Hydrocarbons as Gasoline
MTBE	methyl tertiary butyl ether
TBA	tertiary buty alcohol
ETBE	ethyl tertiary butyl ether
DIPE	di-isopropyl ether
TAME	tertiary amyl ethyl ether
EDB	ethylene dibromide
1,2-DCA	1,2-dichloroethane
ESL	Regional Water Quality Control Board - San Francisco Region Environmental Screening Level
A52	Data Qualifier: Chromatogram not typical of diesel

ESL based on residential land use, shallow soil, and groundwater as a potential drinking resource.
TPH-D and TPH-MO analysis by Environmental Protection Agency (EPA) Test Method 8015 with Silica Gel Cleanup
All other analyses by EPA Method 8260B.
Samples were analyzed for a full VOC Scan by EPA Method 8260B with oxygenates and lead scavengers. All Oxygenates and lead scavenger data are summarized, only VOCs with detections are presented in table.
Data qualifiers regarding sample dilution, surrogate recovery, or quality control are not presented in table. Please refer to laboratory reports for full explanation of qualifiers.