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: Unocal #5781
Union Oil Site 351640
3535 Pierson Street
Oakland, CA

I have reviewed the attached report dated July 22, 2011.

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
Project Manager

Attachment: Report

CONESTOGA-ROVERS
& ASSOCIATES

5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: (510) 420-0700 Fax: (510) 420-9170
http://www.craworld.com

July 22, 2011 Reference No. 060723

Ms. Barbara Jakub
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Second Quarter 2011
Groundwater Monitoring and Sampling Report
UNOCAL #5781
Union Oil Company of California Facility ID No. 35-1640
3535 Pierson Street
Oakland, California
Fuel Leak Case No. RO0000253

Dear Ms. Barbara Jakub:

Conestoga-Rovers & Associates (CRA), on behalf of Union Oil Company of California, is submitting this *Second Quarter 2011 Groundwater Monitoring and Sampling Report* for the site referenced above (Figures 1 and 2). As of March 18, 2011 ("Effective Date"), ConocoPhillips Company transferred the management of the environmental remediation activities at UNOCAL #5781 to Union Oil Company of California ("Union Oil"). From the Effective Date forward, Union Oil (or its designees or representatives, including Chevron Environmental Management Company) will manage the day-to-day corrective action/remediation obligations related to the referenced case.

Groundwater monitoring and sampling was performed by TRC Solutions (TRC) of Irvine, California. TRC's June 17, 2011 *Groundwater Monitoring Data* is presented 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' June 24, 2011 *Analytical Results* are included as Attachment B. Historical groundwater monitoring and sampling data is included as Attachment C.

RESULTS OF SECOND QUARTER 2011 EVENT

On June 7, 2011, TRC monitored and sampled the site wells per the established schedule.

Results of the current monitoring event indicate the following:

- Groundwater Flow Direction southeast
- Hydraulic Gradient 0.01
- Approximate Depth to Groundwater 11 to 14 feet below grade

A partial summary of results of the current sampling event is presented below in Table A:

TABLE A: GROUNDWATER ANALYTICAL DATA

Well ID	*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	1	40	30	20	5
MW-A	<40	<50	<0.50	<0.50	<0.50	<1.0	0.57
MW-4	<40	<50	<0.50	<0.50	<0.50	<1.0	1.6
MW-5	**3,700**	**40,000**	**32**	**2,300**	**1,500**	**16,000**	**24**
MW-6	<40	<50	<0.50	<0.50	<0.50	<1.0	4.3
MW-7	<40	<50	<0.50	<0.50	<0.50	<1.0	<0.50
MW-8	71	<50	<0.50	<0.50	<0.50	<1.0	3.6
MW-9	<40	<50	<0.50	<0.50	<0.50	<1.0	1.4

TPHd Total petroleum hydrocarbons as diesel
TPHg Total petroleum hydrocarbons as gasoline
MTBE Methyl tertiary butyl ether
µg/L Micrograms per Liter
< x.x Not detected above laboratory reported practical quantitation limit
ESLs Environmental Screening Levels (Table F-1a) for groundwater that is a current or potential drinking water resource; *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.

CONCLUSIONS AND RECOMMENDATIONS

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

- Dissolved-phase hydrocarbon and oxygenate concentrations are below ESLs in all wells except MW-5.
- Dissolved hydrocarbons appear centered in the area around MW-5.

CRA recommends continuing quarterly groundwater monitoring and sampling to establish concentration trends over time. After four quarters of monitoring and sampling groundwater from the new wells, CRA will assess the results and likely recommend reducing monitoring and sampling frequency to semi-annual.

ANTICIPATED FUTURE ACTIVITIES

Groundwater Monitoring
TRC will monitor and sample site wells per the established schedule. CRA will submit a groundwater monitoring and sampling report.

CONESTOGA-ROVERS
& ASSOCIATES

July 22, 2011 Reference No. 060723

Please contact Kiersten Hoey at (510) 420-3347 if you have any questions or require additional information.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

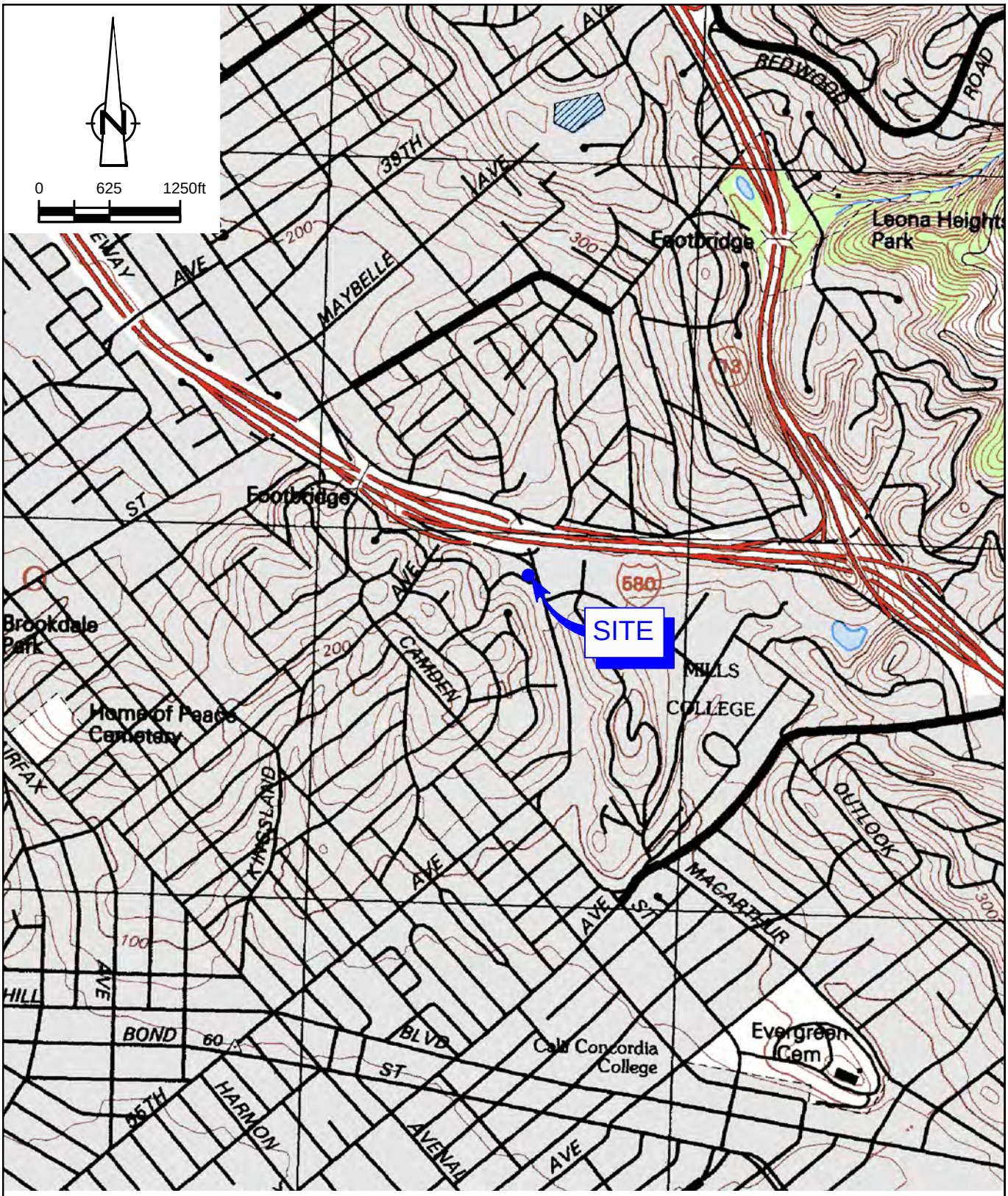
Ian Hull Jim Schneider, PG 7914

IH/mws/2
Encl.

Figure 1	Vicinity Map
Figure 2	Groundwater Elevation and Hydrocarbon Concentration Map
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
United Brothers Enterprise, Inc., Property Owner

FIGURES



SOURCE: USGS QUADRANGLE MAP: OAKLAND EAST, CA.

Figure 1

VICINITY MAP
UNOCAL 5781
3535 PIERSON STREET
Oakland, California

60723-2011(002)GN-WA001 JUL 04/2011

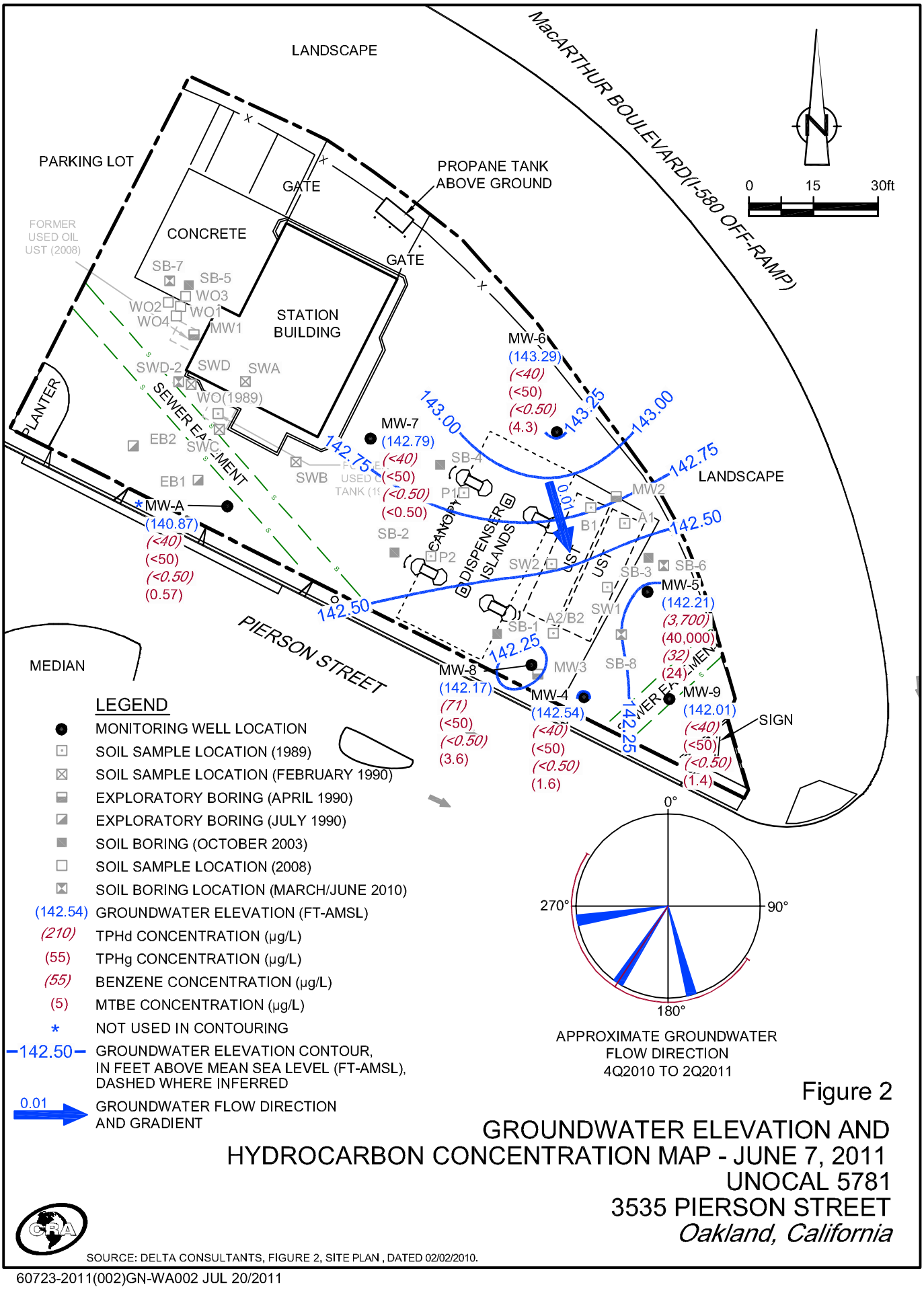


Figure 2

GROUNDWATER ELEVATION AND HYDROCARBON CONCENTRATION MAP - JUNE 7, 2011
UNOCAL 5781
3535 PIERSON STREET
Oakland, California

SOURCE: DELTA CONSULTANTS, FIGURE 2, SITE PLAN , DATED 02/02/2010.

60723-2011(002)GN-WA002 JUL 20/2011

TABLE

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
UNOCAL SITE #5781
3535 PIERSON STREET
OAKLAND, CALIFORNIA

					HYDROCARBONS		*PRIMARY VOCS*												
Location	Date	*TOC*	*DTW*	*GWE*	*TPH - Diesel*	*TPH - Gasoline*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*TBA*	*ETBE*	*DIPE*	*TAME*	*EDB*	*1,2-DCA*	*Ethanol*	*Methanol*
	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-A	**06/07/2011**	**154.79**	**13.92**	**140.87**	**<40**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**0.57**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**	**<100**
MW-4	**06/07/2011**	**153.48**	**10.94**	**142.54**	**<40**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**1.6**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**	**<100**
MW-5	**06/07/2011**	**153.66**	**11.45**	**142.21**	**3,700**	**40,000**	**32**	**2,300**	**1,500**	**16,000**	**24**	**150**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**330**	**<100**
MW-6	**06/07/2011**	**154.62**	**11.33**	**143.29**	**<40**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**4.3**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**	**<100**
MW-7	**06/07/2011**	**155.38**	**12.59**	**142.79**	**<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**
MW-8	**06/07/2011**	**153.71**	**11.54**	**142.17**	**71**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**3.6**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**	**<100**
MW-9	**06/07/2011**	**153.37**	**11.36**	**142.01**	**<40**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**1.4**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**	**<100**

Abbreviations and Notes:

TOC = Top of Casing

DTW = Depth to Water

GWE = Groundwater elevation

(ft-amsl) = Feet Above Mean sea level

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
UNOCAL SITE #5781
3535 PIERSON STREET
OAKLAND, CALIFORNIA

ft = Feet

µg/L = Micrograms per Liter

TPH - Total Petroleum Hydrocarbons

VOCS = Volatile Organic Compounds

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylene

MTBE = Methyl tert butyl ether

TBA = Tert-Butyl alcohol

DIPE = Diisopropyl ether

ETBE = Tert-Butyl ethyl ether

TAME = Tert-Amyl methyl ether

EDB = 1,2-Dibromoethane (Ethylene dibromide)

1,2-DCA = 1,2-Dichloroethane

-- = Not available / not applicable

<x = Not detected above laboratory method detection limit

ATTACHMENT A

MONITORING DATA PACKAGE

TRC

123 Technology Drive West
Irvine, CA 92618

949.727.9336 PHONE
949.727.7399 FAX

www.TRCsolutions.com

DATE: June 17, 2011

TO: Kiersten Hoey
CRA
5900 Hollis Street, Suite A
Emeryville, California 94608

SITE: Unocal Site 5781
Facility 351640
3535 Pierson Street, Oakland, CA

RE: Transmittal of Groundwater Monitoring Data

Dear Ms. Hoey,

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 June 7, 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.

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. Vidaurri Job #/Task #: 183487.0035.1640 Date: 6/7/11

Site # 5781 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-7	✓	0544	19.69	12.59	—	—	0933	2"
MW-A	✓	0600	44.93	13.92	—	—	0947	2"
MW-9	✓	0605	19.67	11.36	—	—	1006	2"
MW-4	✓	0616	24.75	10.94	—	—	1016	4"
MW-8	✓	0625	19.88	11.54	—	—	1025	2"
MW-6	✓	0630	19.97	11.33	—	—	1048	2"
MW-5	✓	0642	19.93	11.45	—	—	1036	4"

FIELD DATA COMPLETE QA/QC COC WELL BOX CONDITION SHEETS

MANIFEST DRUM INVENTORY TRAFFIC CONTROL

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: A. Vickers

Site: 5871 Project No.: 183487.0035.1640 Date: 6/7/11

Well No. MW-5 Purge Method: Sub

Depth to Water (feet): 11.45 Depth to Product (feet): —

Total Depth (feet) 19.93 LPH & Water Recovered (gallons): —

Water Column (feet): 8.48 Casing Diameter (Inches): 4

80% Recharge Depth(feet): 13.15 1 Well Volume (gallons): 6

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									
0852			6	630.0	19.0	6.33			
			12	724.3	19.3	6.26			
	0902		18	740.6	19.7	6.31			

Static at Time Sampled	Total Gallons Purged	Sample Time
11.48	18	1036

Comments: Pre-purge sample taken at 0648

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

Static at Time Sampled	Total Gallons Purged	Sample Time

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: A. Vidvers

Site: 5781 Project No.: 183487.0035.1640 Date: 6/7/11

Well No. MW-7 Purge Method: HB

Depth to Water (feet): 12.59 Depth to Product (feet): —

Total Depth (feet) 19.69 LPH & Water Recovered (gallons): —

Water Column (feet): 7.10 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 14.01 1 Well Volume (gallons): 2

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									
0724	0730		2	1083	19.4	6.13			
			4						
			6						

Static at Time Sampled	Total Gallons Purged	Sample Time
15.79	3	0933

Comments: Pre-purge sample taken at 0552
Dry at 3 gallons. Did not recover in 2 hours

Well No. MW-A Purge Method: Sub

Depth to Water (feet): 13.92 Depth to Product (feet): —

Total Depth (feet) 44.93 LPH & Water Recovered (gallons): —

Water Column (feet): 31.01 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 20.12 1 Well Volume (gallons): 6

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									
0734			6	1424	19.7	6.42			
			12	1520	20.7	6.46			
	0746		18	1485	20.5	6.54			

Static at Time Sampled	Total Gallons Purged	Sample Time
27.68	18	0947

Comments: Did not recover in 2 hours.

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: A. Vickers

Site: 5781 Project No.: 183497.0035.1640 Date: 6/7/11

Well No. MW-9 Purge Method: HB

Depth to Water (feet): 11.36 Depth to Product (feet): —

Total Depth (feet) 19.67 LPH & Water Recovered (gallons): —

Water Column (feet): 8.31 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 13.02 1 Well Volume (gallons): 2

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									
0800			2	1023	18.2	6.48			
	0806		4	996.1	18.7	6.45			
			6						

Static at Time Sampled	Total Gallons Purged	Sample Time
14.03	~~6~~ 4	1006

Comments: Pre-purge sample taken at 0610
Dry at 4 gallons. Did not recover in 2 hours.

Well No. MW-4 Purge Method: Sub

Depth to Water (feet): 10.94 Depth to Product (feet): —

Total Depth (feet) 24.75 LPH & Water Recovered (gallons): —

Water Column (feet): 13.81 Casing Diameter (Inches): 4

80% Recharge Depth(feet): 13.70 1 Well Volume (gallons): 10

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									
0809	0816		10	783.8	18.8	6.76			
			20						
			30						

Static at Time Sampled	Total Gallons Purged	Sample Time
19.69	16	1016

Comments: Pre-purge sample taken at 0621
Dry at 16 gallons. Did not recover in 2 hours.

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: A. Vickers

Site: 5781 Project No.: 183487.0035.1640 Date: 6/7/11

Well No. MW-8 Purge Method: HB

Depth to Water (feet): 11.54 Depth to Product (feet): —

Total Depth (feet) 19.88 LPH & Water Recovered (gallons): —

Water Column (feet): 8.34 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 13.21 1 Well Volume (gallons): 2

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									
0826			2	779.6	18.1	6.40			
			4	761.8	18.5	6.39			
	0836		6	771.8	18.5	6.32			

Static at Time Sampled	Total Gallons Purged	Sample Time
12.08	6	1025

Comments: Dry at 6 gallons.

Well No. MW-6 Purge Method: HB

Depth to Water (feet): 11.33 Depth to Product (feet): —

Total Depth (feet) 19.97 LPH & Water Recovered (gallons): —

Water Column (feet): 8.64 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 13.03 1 Well Volume (gallons): 2

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									
0840			2	799.3	18.3	6.41			
	0847		4	870.0	18.6	6.40			
			6						

Static at Time Sampled	Total Gallons Purged	Sample Time
~~12.08~~ AV 16.96	~~6~~ AV 4	~~1025~~ AV 1048

Comments: Pre-purge sample taken at 0836
Dry at 4 gallons. Did not recover in 2 hours.

TRC

WELL BOX CONDITION REPORT
(NORTHERN CALIFORNIA)

SITE NO. 5781

ADDRESS 3535 Pierson St. Oakland, CA

DATE 6/7/11

PERFOMED BY: A. Videra

PAGE 1 OF 1

Well Name	# 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	Comments
Mw-7	2															12" O/K
Mw-A	2					X										8"
Mw-9	2					X										12"
Mw-4	2															12" O/K
Mw-8	2					X										12"
Mw-6	2					X							X			12"
Mw-5	2															12" O/K

TRC

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: 5781	Union Oil Consultant: CRA
Site Global ID: T0600104467	Consultant Contact: Kiersten Hoey
Site Address: 3535 Pierson St. Oakland, CA	Consultant Phone No.: 510 420 3347
	Sampling Company: TRC
Union Oil PM: Reva Kambin	Sampled By (PRINT): Andrew Vickers
Union Oil PM Phone No.: 925 790 6270	Sampler Signature:
Charge Code: NWRTB- 0 3 5 1 6 4 0 -0- LAB	SC Laboratories, Inc. Project Manager: Mary Meyers 4100 Atlas Court, Bakersfield, CA Phone No.: (661) 327-4911

This is a LEGAL document. ALL fields must be filled out CORRECTLY and COMPLETELY.

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

Special Instructions: Please e-mail copy of results to Jan Waggoner at Jan.waggoner@anteagroup.com

SAMPLE ID: Field Point Name	Matrix	DTW	Date (yymmdd)	Sample Time	# of Containers	TPH - Diesel by EPA 8015w/ 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 8015	EDB/EDC by 8260B	Methanol by 8015				Notes / Comments
MW-7	W		110607	0933	11	X		X	X		X	X	X				
MW-A	W			0947													
MW-9	W			1006													
MW-4	W			1016													
MW-8	W			1025													
MW-6	W			1048													
MW-5	W			1036													
	W																
	W																
	W																
	W																
	W																

Relinquished By	Company	Date / Time	Relinquished By	Company	Date / Time	Relinquished By	Company	Date / Time
	TRC	6/7/11 1300						
Received By	**Company**	**Date / Time**	**Received By**	**Company**	**Date / Time**	**Received By**	**Company**	**Date / Time**
Russ Dudley	BC LAB	6.8.11 1345						

TRC SOLUTIONS

TECHNICAL SERVICES REQUEST FORM

16-May-11

Site ID:	5781	**Project No.:**	183487.0035.1640
Address	3535 Pierson Street	**Client:**	Roya Kambin
City:	Oakland	**Contact #:**	925-790-6270
Cross Street:	Redding St.	**PM:**	Kiersten Hoey CRA
		PM Contact #:	510-420-3347

Total number of wells:	7	**Min. Well Diameter (in.):**	2	**# of Techs, # of Hrs:**	1, 5
Depth to Water (ft.):	14	**Max. Well Diameter (in.):**	2	**Travel Time (hrs):**	
		Max. Well Depth (ft):	45		

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

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

PERMIT INFORMATION:

NOTIFICATIONS:

76 Station: 510-437-9837

NO ANSWERING MACHINE.

SITE INFORMATION:

MW-4, MW-5, MW-6, MW-7 & MW-9 recover slow. Take pre-purge samples and then follow standard TRC purge and sample procedures. Submit pre-purge samples if monitoirng doesn't recover with enought water to collect the required bottles after two hours.

TRC SOLUTIONS
TECHNICAL SERVICES REQUEST FORM

16-May-11

Site ID: 5781
Address 3535 Pierson Street
City: Oakland
Cross Street: Redding St.

Project No.: 183487.0035.1640
Client: Roya Kambin
Contact #: 925-790-6270
PM: Kiersten Hoey CRA
PM Contact #: 510-420-3347

LAB INFORMATION:

Global ID: T0600101467
Lab WO: 351640

Lab Used: BC Labs

Lab Notes: Lab Analyses:
TPH-D by 8015M w/silica gel clean-up [Containers: two 1L ambers unpreserved]
TPH-G by 8015 [Containers: 3 voas w/HCl]
BTEX/MTBE/OXYS by 8260B, EDB/EDC by 8260B, Ethanol by 8260B [Containers: 3 voas w/HCl]
Methanol by 8015 [Containers: 3 voas unpreserved]

Note on COC: Please e-mail a copy of the results to Jan Wagoner at ~~jwagoner@deltaenv.com.~~

Jan.wagoner@anteagroup.com

Date Printed: 5/16/2011

TRC SOLUTIONS

TECHNICAL SERVICES REQUEST FORM

16-May-11

Site ID.: 5781
Address 3535 Pierson Street
City: Oakland
Cross Street Redding St.

			Gauging				Sampling				Field Measurements			
Well IDs	Benz.	MTBE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Pre-Purge	Post-Purge	Type	**Comments**
MW-7	0	0	☑	☑	☑	☑	☑	☑	☑	☑	☐	☐		2" casing
MW-A	0	0.56	☑	☑	☑	☑	☑	☑	☑	☑	☐	☐		2" casing
MW-9	0	0.9	☑	☑	☑	☑	☑	☑	☑	☑	☐	☐		2" casing
MW-4	0	2.2	☑	☑	☑	☑	☑	☑	☑	☑	☐	☐		4" casing
MW-8	0	2.3	☑	☑	☑	☑	☑	☑	☑	☑	☐	☐		2" casing
MW-6	0	4.6	☑	☑	☑	☑	☑	☑	☑	☑	☐	☐		2" casing
MW-5	69	0	☑	☑	☑	☑	☑	☑	☑	☑	☐	☐		4" casing

ATTACHMENT B

LABORATORY ANALYTICAL REPORT

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 06/24/2011

Kiersten Hoey

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

Project:	5781
BC Work Order:	1109156
Invoice ID:	B102776

Enclosed are the results of analyses for samples received by the laboratory on 6/8/2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

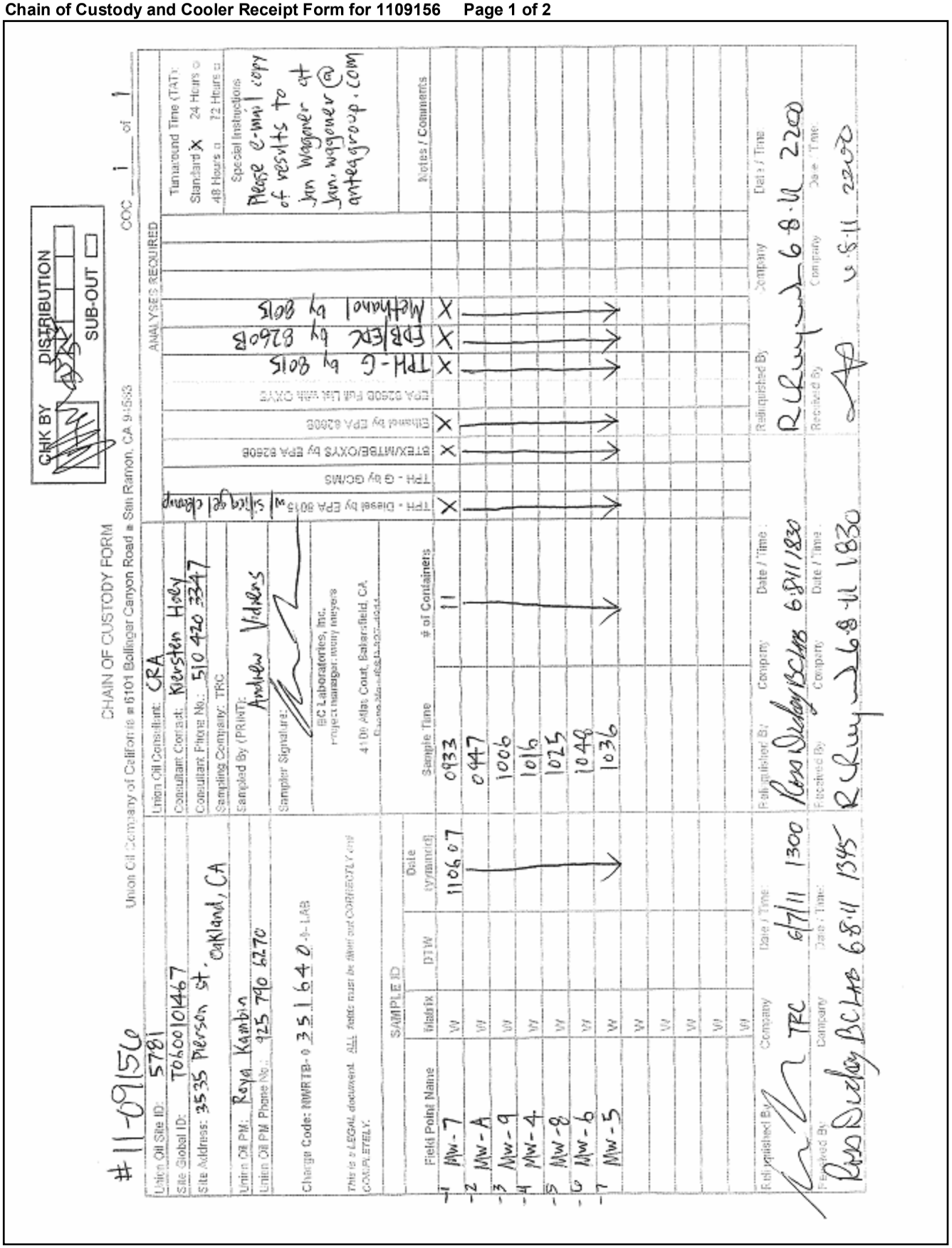
Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

Table of Contents

Table of Contents

Chain of Custody and Cooler Receipt Form for 1109156 Page 1 of 2



#11-09156

CHAIN OF CUSTODY FORM

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

CHK BY DISTRIBUTION SUB-OUT

COC 1 of 1

Union Oil Site ID: 5781
Site Global ID: T0600101467
Site Address: 3535 Pierson St. Oakland, CA
Union Oil PM: Roya Kambin
Union Oil PM Phone No.: 925 790 6270
Charge Code: NWRTB-0 351640 A-LAB
This is a LEGAL document. ALL fields must be filled out CORRECTLY and COMPLETELY.

Union Oil Consultant: CRA
Consultant Contact: Kiersten Hoey
Consultant Phone No.: 510 420 3347
Sampling Company: TRC
Sampled By (PRINT): Andrew Vickers
Sampler Signature:
BC Laboratories, Inc.
Project manager: many meyers
4100 Atlas Court, Bakersfield, CA

ANALYSES REQUIRED

Turnaround Time (TAT): Standard X 24 Hours 48 Hours 72 Hours
Special Instructions: Please e-mail copy of results to Jan Wagoner at Jan.wagoner@antea group.com

	SAMPLE ID: Field Point Name	Matrix	D.W.	Date (mm/dd/yy)	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	EDA 8260B Full List with OXYS	TPH-G by 8015	EDB/EDC by 8260B	Methanol by 8015	Notes / Comments
-1	MW-7	W		11/06/07	0933	11	X		X	X		X	X	X	
-2	MW-A	W			0947										
-3	MW-9	W			1006										
-4	MW-4	W			1016										
-5	MW-8	W			1025										
-6	MW-6	W			1048										
-7	MW-5	W			1036										

	Relinquished By	Company	Date / Time	Received By	Company	Date / Time
1		TRC	6/7/11 1300	Roya Dudley BCLabs	BCLabs	6/8/11 1830
2	Roya Dudley BCLabs	BCLabs	6/8/11 1345	R Ruy		6-8-11 2200
3	R Ruy		6-8-11 2200			

Chain of Custody and Cooler Receipt Form for 1109156 Page 2 of 2

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

Submission #: 1109156

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

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

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

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

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

COC Received ☑ YES ☐ NO

Emissivity: 0.97 Container: 109 Thermometer ID: 16 B3

Temperature: A 5.3 °C / C 5.3 °C

Date/Time 6/8/11

Analyst Init HM 2300

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	A 16	A 16	A 16	A 16	A 16	A 16	A 16			
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL ~~504~~ unpreserved	B(3)	B(3)	B(3)	B(3)	B(3)	B(3)	B(3)			
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	C,D	C,D	C,D	C,D	C,D	C,D	C,D			
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:
Sample Numbering Completed By: BLT Date/Time: 6/10/11 @ 0744
A = Actual / C = Corrected

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

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

Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1109156-01	**COC Number:**	---	**Receive Date:**	06/08/2011 22:00
	Project Number:	5781	**Sampling Date:**	06/07/2011 09:33
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-7-W-110607	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	
			Delivery Work Order:	
			Global ID: T0600101467	
			Location ID (FieldPoint): MW-7	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1109156-02	**COC Number:**	---	**Receive Date:**	06/08/2011 22:00
	Project Number:	5781	**Sampling Date:**	06/07/2011 09:47
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-A-W-110607	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	
			Delivery Work Order:	
			Global ID: T0600101467	
			Location ID (FieldPoint): MW-A	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1109156-03	**COC Number:**	---	**Receive Date:**	06/08/2011 22:00
	Project Number:	5781	**Sampling Date:**	06/07/2011 10:06
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-9-W-110607	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	
			Delivery Work Order:	
			Global ID: T0600101467	
			Location ID (FieldPoint): MW-9	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

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

Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1109156-04	**COC Number:**	---	**Receive Date:**	06/08/2011 22:00
	Project Number:	5781	**Sampling Date:**	06/07/2011 10:16
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-4-W-110607	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	
			Delivery Work Order:	
			Global ID: T0600101467	
			Location ID (FieldPoint): MW-4	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1109156-05	**COC Number:**	---	**Receive Date:**	06/08/2011 22:00
	Project Number:	5781	**Sampling Date:**	06/07/2011 10:25
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-8-W-110607	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	
			Delivery Work Order:	
			Global ID: T0600101467	
			Location ID (FieldPoint): MW-8	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1109156-06	**COC Number:**	---	**Receive Date:**	06/08/2011 22:00
	Project Number:	5781	**Sampling Date:**	06/07/2011 10:48
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-6-W-110607	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	
			Delivery Work Order:	
			Global ID: T0600101467	
			Location ID (FieldPoint): MW-6	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

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

Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information

1109156-07

COC Number: ---
Project Number: 5781
Sampling Location: ---
Sampling Point: MW-5-W-110607
Sampled By: TRCI

Receive Date: 06/08/2011 22:00
Sampling Date: 06/07/2011 10:36
Sample Depth: ---
Lab Matrix: Water
Sample Type:
Delivery Work Order:
Global ID: T0600101467
Location ID (FieldPoint): MW-5
Matrix: W
Sample QC Type (SACode): CS
Cooler ID:

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

Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Solvent Scan (EPA Method 8015)

BCL Sample ID: 1109156-01 | **Client Sample Name:** 5781, MW-7-W-110607, 6/7/2011 9:33:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methanol	ND	ug/L	100	EPA-8015B	ND		1
2-Chloroacrylonitrile (Surrogate)	155	%	60 - 140 (LCL - UCL)	EPA-8015B		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	06/14/11	06/15/11 08:21	MWB	GC-12	1	BUF1004

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

Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1109156-01 | **Client Sample Name:** 5781, MW-7-W-110607, 6/7/2011 9:33:00AM

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
1,2-Dichloroethane-d4 (Surrogate)	103	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	97.9	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	102	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	06/21/11	06/21/11 11:38	KEA	MS-V10	1	BUF1322

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

Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1109156-01 | **Client Sample Name:** 5781, MW-7-W-110607, 6/7/2011 9:33:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	ug/L	50	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	91.6	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	06/14/11	06/14/11 14:03	jjh	GC-V4	1	BUF0891

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

Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1109156-01 | **Client Sample Name:** 5781, MW-7-W-110607, 6/7/2011 9:33:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	ND	ug/L	40	EPA-8015B/TPHd	ND		1
Tetracosane (Surrogate)	93.9	%	28 - 139 (LCL - UCL)	EPA-8015B/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	06/14/11	06/18/11 00:52	MWB	GC-5	1	BUF1146

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

Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Solvent Scan (EPA Method 8015)

BCL Sample ID: 1109156-02 | **Client Sample Name:** 5781, MW-A-W-110607, 6/7/2011 9:47:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methanol	ND	ug/L	100	EPA-8015B	ND		1
2-Chloroacrylonitrile (Surrogate)	108	%	60 - 140 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	06/14/11	06/15/11 08:42	MWB	GC-12	1	BUF1004

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

Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1109156-02 | **Client Sample Name:** 5781, MW-A-W-110607, 6/7/2011 9:47:00AM

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	**0.57**	**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
1,2-Dichloroethane-d4 (Surrogate)	111	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	99.0	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	98.5	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	06/17/11	06/17/11 17:32	KEA	MS-V10	1	BUF1152

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

Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1109156-02 | **Client Sample Name:** 5781, MW-A-W-110607, 6/7/2011 9:47:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	ug/L	50	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	90.3	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	06/14/11	06/14/11 14:25	jjh	GC-V4	1	BUF0891

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

Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1109156-02 | **Client Sample Name:** 5781, MW-A-W-110607, 6/7/2011 9:47:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	ND	ug/L	40	EPA-8015B/TPHd	ND		1
Tetracosane (Surrogate)	103	%	28 - 139 (LCL - UCL)	EPA-8015B/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	06/14/11	06/18/11 01:07	MWB	GC-5	1	BUF1146

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

Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Solvent Scan (EPA Method 8015)

BCL Sample ID: 1109156-03 | **Client Sample Name:** 5781, MW-9-W-110607, 6/7/2011 10:06:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methanol	ND	ug/L	100	EPA-8015B	ND		1
2-Chloroacrylonitrile (Surrogate)	175	%	60 - 140 (LCL - UCL)	EPA-8015B		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	06/14/11	06/15/11 09:04	MWB	GC-12	1	BUF1004

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

Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1109156-03 | **Client Sample Name:** 5781, MW-9-W-110607, 6/7/2011 10:06:00AM

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	**1.4**	**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
1,2-Dichloroethane-d4 (Surrogate)	112	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	96.7	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	103	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	06/17/11	06/17/11 17:14	KEA	MS-V10	1	BUF1152

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

Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1109156-03 | **Client Sample Name:** 5781, MW-9-W-110607, 6/7/2011 10:06:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	ug/L	50	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	89.4	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	06/14/11	06/14/11 14:48	jjh	GC-V4	1	BUF0891

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5900 Hollis St. Suite A
Emeryville, CA 94608

Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1109156-03 | **Client Sample Name:** 5781, MW-9-W-110607, 6/7/2011 10:06:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	ND	ug/L	40	EPA-8015B/TPHd	ND		1
Tetracosane (Surrogate)	98.7	%	28 - 139 (LCL - UCL)	EPA-8015B/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	06/14/11	06/18/11 01:51	MWB	GC-5	1	BUF1146

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Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Solvent Scan (EPA Method 8015)

BCL Sample ID: 1109156-04 | **Client Sample Name:** 5781, MW-4-W-110607, 6/7/2011 10:16:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methanol	ND	ug/L	100	EPA-8015B	ND		1
2-Chloroacrylonitrile (Surrogate)	135	%	60 - 140 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	06/14/11	06/15/11 10:30	MWB	GC-12	1	BUF1004

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5900 Hollis St. Suite A
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Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1109156-04 | **Client Sample Name:** 5781, MW-4-W-110607, 6/7/2011 10:16:00AM

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	**1.6**	**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
1,2-Dichloroethane-d4 (Surrogate)	112	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	99.7	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	96.3	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	06/17/11	06/17/11 16:56	KEA	MS-V10	1	BUF1152

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

Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1109156-04 | **Client Sample Name:** 5781, MW-4-W-110607, 6/7/2011 10:16:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	ug/L	50	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	90.4	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	06/14/11	06/14/11 15:10	jjh	GC-V4	1	BUF0891

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Emeryville, CA 94608

Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1109156-04 | **Client Sample Name:** 5781, MW-4-W-110607, 6/7/2011 10:16:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	ND	ug/L	40	EPA-8015B/TPHd	ND		1
Tetracosane (Surrogate)	94.8	%	28 - 139 (LCL - UCL)	EPA-8015B/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	06/14/11	06/18/11 02:06	MWB	GC-5	1	BUF1146

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Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Solvent Scan (EPA Method 8015)

BCL Sample ID: 1109156-05 | **Client Sample Name:** 5781, MW-8-W-110607, 6/7/2011 10:25:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methanol	ND	ug/L	100	EPA-8015B	ND		1
2-Chloroacrylonitrile (Surrogate)	202	%	60 - 140 (LCL - UCL)	EPA-8015B		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	06/14/11	06/15/11 10:51	MWB	GC-12	1	BUF1004

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Emeryville, CA 94608

Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1109156-05 | **Client Sample Name:** 5781, MW-8-W-110607, 6/7/2011 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	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	**3.6**	**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
1,2-Dichloroethane-d4 (Surrogate)	110	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	97.1	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	95.8	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	06/20/11	06/20/11 12:44	KEA	MS-V10	1	BUF1152

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Emeryville, CA 94608

Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1109156-05 | **Client Sample Name:** 5781, MW-8-W-110607, 6/7/2011 10:25:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	ug/L	50	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	89.8	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	06/14/11	06/14/11 15:32	jjh	GC-V4	1	BUF0891

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Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1109156-05 | **Client Sample Name:** 5781, MW-8-W-110607, 6/7/2011 10:25:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	**71**	**ug/L**	**40**	**EPA-8015B/TPHd**	**ND**		1
Tetracosane (Surrogate)	100	%	28 - 139 (LCL - UCL)	EPA-8015B/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	06/14/11	06/18/11 02:20	MWB	GC-5	1	BUF1146

Conestoga-Rovers & Associates
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Emeryville, CA 94608

Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Solvent Scan (EPA Method 8015)

BCL Sample ID: 1109156-06 | **Client Sample Name:** 5781, MW-6-W-110607, 6/7/2011 10:48:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methanol	ND	ug/L	100	EPA-8015B	ND		1
2-Chloroacrylonitrile (Surrogate)	144	%	60 - 140 (LCL - UCL)	EPA-8015B		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	06/14/11	06/15/11 11:13	MWB	GC-12	1	BUF1004

Conestoga-Rovers & Associates
5900 Hollis St. Suite A
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Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1109156-06 | **Client Sample Name:** 5781, MW-6-W-110607, 6/7/2011 10:48:00AM

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	**4.3**	**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	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
1,2-Dichloroethane-d4 (Surrogate)	106	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	99.3	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	96.9	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	06/20/11	06/20/11 12:26	KEA	MS-V10	1	BUF1152

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

Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1109156-06 | **Client Sample Name:** 5781, MW-6-W-110607, 6/7/2011 10:48:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	ug/L	50	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	89.4	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	06/14/11	06/14/11 15:55	jjh	GC-V4	1	BUF0891

Conestoga-Rovers & Associates
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Emeryville, CA 94608

Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1109156-06 | **Client Sample Name:** 5781, MW-6-W-110607, 6/7/2011 10:48:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	ND	ug/L	40	EPA-8015B/TPHd	ND		1
Tetracosane (Surrogate)	93.2	%	28 - 139 (LCL - UCL)	EPA-8015B/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	06/14/11	06/18/11 02:34	MWB	GC-5	1	BUF1146

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Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Solvent Scan (EPA Method 8015)

BCL Sample ID: 1109156-07 | **Client Sample Name:** 5781, MW-5-W-110607, 6/7/2011 10:36:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methanol	ND	ug/L	100	EPA-8015B	ND		1
2-Chloroacrylonitrile (Surrogate)	133	%	60 - 140 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	06/14/11	06/15/11 11:34	MWB	GC-12	1	BUF1004

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5900 Hollis St. Suite A
Emeryville, CA 94608

Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1109156-07 | **Client Sample Name:** 5781, MW-5-W-110607, 6/7/2011 10:36:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**32**	**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	**1500**	**ug/L**	**25**	**EPA-8260**	**ND**	**A01**	2
Methyl t-butyl ether	**24**	**ug/L**	**0.50**	**EPA-8260**	**ND**		1
Toluene	**2300**	**ug/L**	**25**	**EPA-8260**	**ND**	**A01**	2
Total Xylenes	**16000**	**ug/L**	**100**	**EPA-8260**	**ND**	**A01**	3
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	**150**	**ug/L**	**10**	**EPA-8260**	**ND**		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethanol	**330**	**ug/L**	**250**	**EPA-8260**	**ND**		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane-d4 (Surrogate)	110	%	76 - 114 (LCL - UCL)	EPA-8260			1
1,2-Dichloroethane-d4 (Surrogate)	114	%	76 - 114 (LCL - UCL)	EPA-8260			2
1,2-Dichloroethane-d4 (Surrogate)	108	%	76 - 114 (LCL - UCL)	EPA-8260			3
Toluene-d8 (Surrogate)	96.4	%	88 - 110 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	98.6	%	88 - 110 (LCL - UCL)	EPA-8260			2
Toluene-d8 (Surrogate)	100	%	88 - 110 (LCL - UCL)	EPA-8260			3
4-Bromofluorobenzene (Surrogate)	110	%	86 - 115 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	96.4	%	86 - 115 (LCL - UCL)	EPA-8260			2
4-Bromofluorobenzene (Surrogate)	98.6	%	86 - 115 (LCL - UCL)	EPA-8260			3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	06/17/11	06/17/11 16:03	KEA	MS-V10	1	BUF1151
2	EPA-8260	06/17/11	06/20/11 13:02	KEA	MS-V10	50	BUF1151
3	EPA-8260	06/17/11	06/20/11 13:55	KEA	MS-V10	100	BUF1151

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Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1109156-07 | **Client Sample Name:** 5781, MW-5-W-110607, 6/7/2011 10:36:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**40000**	**ug/L**	**2500**	**EPA-8015B**	**ND**	**A01**	1
a,a,a-Trifluorotoluene (FID Surrogate)	97.0	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	06/14/11	06/15/11 09:42	jjh	GC-V4	50	BUF0891

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5900 Hollis St. Suite A
Emeryville, CA 94608

Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1109156-07 | **Client Sample Name:** 5781, MW-5-W-110607, 6/7/2011 10:36:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	**3700**	**ug/L**	**400**	**EPA-8015B/TPHd**	**ND**	**A01**	1
Tetracosane (Surrogate)	14.0	%	28 - 139 (LCL - UCL)	EPA-8015B/TPHd		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	06/14/11	06/20/11 15:52	MWB	GC-13	10	BUF1146

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5900 Hollis St. Suite A
Emeryville, CA 94608

Reported: 06/24/2011 9:46
Project: 5781
Project Number: 351640
Project Manager: Kiersten Hoey

Solvent Scan (EPA Method 8015)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BUF1004						
Methanol	BUF1004-BLK1	ND	ug/L	100		
2-Chloroacrylonitrile (Surrogate)	BUF1004-BLK1	85.7	%	60 - 140 (LCL - UCL)		

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Solvent Scan (EPA Method 8015)

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: BUF1004										
Methanol	BUF1004-BS1	LCS	1674.1	2000.0	ug/L	83.7		50 - 150		
2-Chloroacrylonitrile (Surrogate)	BUF1004-BS1	LCS	3992.8	4000.0	ug/L	99.8		60 - 140		

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Solvent Scan (EPA Method 8015)

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: BUF1004	Used client sample: N										
Methanol	MS	1107512-71	ND	1712.2	2000.0	ug/L		85.6		50 - 150	
	MSD	1107512-71	ND	1851.9	2000.0	ug/L	7.8	92.6	30	50 - 150	
2-Chloroacrylonitrile (Surrogate)	MS	1107512-71	ND	3908.0	4000.0	ug/L		97.7		60 - 140	
	MSD	1107512-71	ND	3749.7	4000.0	ug/L	4.1	93.7		60 - 140	

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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: BUF1151						
Benzene	BUF1151-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BUF1151-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BUF1151-BLK1	ND	ug/L	0.50		
Ethylbenzene	BUF1151-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BUF1151-BLK1	ND	ug/L	0.50		
Toluene	BUF1151-BLK1	ND	ug/L	0.50		
Total Xylenes	BUF1151-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BUF1151-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BUF1151-BLK1	ND	ug/L	10		
Diisopropyl ether	BUF1151-BLK1	ND	ug/L	0.50		
Ethanol	BUF1151-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BUF1151-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane-d4 (Surrogate)	BUF1151-BLK1	109	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BUF1151-BLK1	99.8	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BUF1151-BLK1	99.4	%	86 - 115 (LCL - UCL)		
QC Batch ID: BUF1152						
Benzene	BUF1152-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BUF1152-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BUF1152-BLK1	ND	ug/L	0.50		
Ethylbenzene	BUF1152-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BUF1152-BLK1	ND	ug/L	0.50		
Toluene	BUF1152-BLK1	ND	ug/L	0.50		
Total Xylenes	BUF1152-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BUF1152-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BUF1152-BLK1	ND	ug/L	10		
Diisopropyl ether	BUF1152-BLK1	ND	ug/L	0.50		
Ethanol	BUF1152-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BUF1152-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane-d4 (Surrogate)	BUF1152-BLK1	112	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BUF1152-BLK1	98.2	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BUF1152-BLK1	97.5	%	86 - 115 (LCL - UCL)		
QC Batch ID: BUF1322						
Benzene	BUF1322-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: BUF1322						
1,2-Dibromoethane	BUF1322-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BUF1322-BLK1	ND	ug/L	0.50		
Ethylbenzene	BUF1322-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BUF1322-BLK1	ND	ug/L	0.50		
Toluene	BUF1322-BLK1	ND	ug/L	0.50		
Total Xylenes	BUF1322-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BUF1322-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BUF1322-BLK1	ND	ug/L	10		
Diisopropyl ether	BUF1322-BLK1	ND	ug/L	0.50		
Ethanol	BUF1322-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BUF1322-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane-d4 (Surrogate)	BUF1322-BLK1	102	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BUF1322-BLK1	101	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BUF1322-BLK1	99.8	%	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: BUF1151										
Benzene	BUF1151-BS1	LCS	17.990	25.000	ug/L	72.0		70 - 130		
Toluene	BUF1151-BS1	LCS	20.340	25.000	ug/L	81.4		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BUF1151-BS1	LCS	10.400	10.000	ug/L	104		76 - 114		
Toluene-d8 (Surrogate)	BUF1151-BS1	LCS	10.100	10.000	ug/L	101		88 - 110		
4-Bromofluorobenzene (Surrogate)	BUF1151-BS1	LCS	9.8700	10.000	ug/L	98.7		86 - 115		
QC Batch ID: BUF1152										
Benzene	BUF1152-BS1	LCS	20.710	25.000	ug/L	82.8		70 - 130		
Toluene	BUF1152-BS1	LCS	23.550	25.000	ug/L	94.2		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BUF1152-BS1	LCS	10.790	10.000	ug/L	108		76 - 114		
Toluene-d8 (Surrogate)	BUF1152-BS1	LCS	10.180	10.000	ug/L	102		88 - 110		
4-Bromofluorobenzene (Surrogate)	BUF1152-BS1	LCS	10.230	10.000	ug/L	102		86 - 115		
QC Batch ID: BUF1322										
Benzene	BUF1322-BS1	LCS	22.190	25.000	ug/L	88.8		70 - 130		
Toluene	BUF1322-BS1	LCS	24.550	25.000	ug/L	98.2		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BUF1322-BS1	LCS	10.170	10.000	ug/L	102		76 - 114		
Toluene-d8 (Surrogate)	BUF1322-BS1	LCS	9.8900	10.000	ug/L	98.9		88 - 110		
4-Bromofluorobenzene (Surrogate)	BUF1322-BS1	LCS	9.6900	10.000	ug/L	96.9		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: BUF1151	Used client sample: N										
Benzene	MS	1109032-02	ND	18.800	25.000	ug/L		75.2		70 - 130	
	MSD	1109032-02	ND	17.620	25.000	ug/L	6.5	70.5	20	70 - 130	
Toluene	MS	1109032-02	ND	19.000	25.000	ug/L		76.0		70 - 130	
	MSD	1109032-02	ND	18.310	25.000	ug/L	3.7	73.2	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1109032-02	ND	11.170	10.000	ug/L		112		76 - 114	
	MSD	1109032-02	ND	10.690	10.000	ug/L	4.4	107		76 - 114	
Toluene-d8 (Surrogate)	MS	1109032-02	ND	9.8200	10.000	ug/L		98.2		88 - 110	
	MSD	1109032-02	ND	9.8100	10.000	ug/L	0.1	98.1		88 - 110	
4-Bromofluorobenzene (Surrogate)	MS	1109032-02	ND	10.330	10.000	ug/L		103		86 - 115	
	MSD	1109032-02	ND	9.7700	10.000	ug/L	5.6	97.7		86 - 115	
QC Batch ID: BUF1152	Used client sample: N										
Benzene	MS	1107512-90	ND	21.360	25.000	ug/L		85.4		70 - 130	
	MSD	1107512-90	ND	20.560	25.000	ug/L	3.8	82.2	20	70 - 130	
Toluene	MS	1107512-90	ND	23.190	25.000	ug/L		92.8		70 - 130	
	MSD	1107512-90	ND	23.340	25.000	ug/L	0.6	93.4	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1107512-90	ND	10.440	10.000	ug/L		104		76 - 114	
	MSD	1107512-90	ND	10.450	10.000	ug/L	0.1	104		76 - 114	
Toluene-d8 (Surrogate)	MS	1107512-90	ND	10.350	10.000	ug/L		104		88 - 110	
	MSD	1107512-90	ND	10.230	10.000	ug/L	1.2	102		88 - 110	
4-Bromofluorobenzene (Surrogate)	MS	1107512-90	ND	9.9400	10.000	ug/L		99.4		86 - 115	
	MSD	1107512-90	ND	9.8500	10.000	ug/L	0.9	98.5		86 - 115	
QC Batch ID: BUF1322	Used client sample: N										
Benzene	MS	1107512-92	ND	21.170	25.000	ug/L		84.7		70 - 130	
	MSD	1107512-92	ND	19.780	25.000	ug/L	6.8	79.1	20	70 - 130	
Toluene	MS	1107512-92	ND	24.190	25.000	ug/L		96.8		70 - 130	
	MSD	1107512-92	ND	22.120	25.000	ug/L	8.9	88.5	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1107512-92	ND	9.9800	10.000	ug/L		99.8		76 - 114	
	MSD	1107512-92	ND	9.8000	10.000	ug/L	1.8	98.0		76 - 114	
Toluene-d8 (Surrogate)	MS	1107512-92	ND	10.360	10.000	ug/L		104		88 - 110	
	MSD	1107512-92	ND	10.050	10.000	ug/L	3.0	100		88 - 110	
4-Bromofluorobenzene (Surrogate)	MS	1107512-92	ND	9.9300	10.000	ug/L		99.3		86 - 115	
	MSD	1107512-92	ND	9.9000	10.000	ug/L	0.3	99.0		86 - 115	

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Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BUF0891						
Gasoline Range Organics (C4 - C12)	BUF0891-BLK1	ND	ug/L	50		
a,a,a-Trifluorotoluene (FID Surrogate)	BUF0891-BLK1	92.7	%	70 - 130 (LCL - UCL)		

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Purgeable Aromatics and Total Petroleum Hydrocarbons

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: BUF0891										
Gasoline Range Organics (C4 - C12)	BUF0891-BS1	LCS	936.54	1000.0	ug/L	93.7		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	BUF0891-BS1	LCS	40.077	40.000	ug/L	100		70 - 130		

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Purgeable Aromatics and Total Petroleum Hydrocarbons

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: BUF0891	Used client sample: N										
Gasoline Range Organics (C4 - C12)	MS	1107512-72	ND	892.89	1000.0	ug/L		89.3		70 - 130	
	MSD	1107512-72	ND	938.29	1000.0	ug/L	5.0	93.8	20	70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	MS	1107512-72	ND	40.394	40.000	ug/L		101		70 - 130	
	MSD	1107512-72	ND	40.022	40.000	ug/L	0.9	100		70 - 130	

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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: BUF1146						
Diesel Range Organics (C12 - C24)	BUF1146-BLK1	ND	ug/L	40		
Tetracosane (Surrogate)	BUF1146-BLK1	101	%	28 - 139 (LCL - UCL)		

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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: BUF1146										
Diesel Range Organics (C12 - C24)	BUF1146-BS1	LCS	379.92	500.00	ug/L	76.0		48 - 125		
Tetracosane (Surrogate)	BUF1146-BS1	LCS	19.958	20.000	ug/L	99.8		28 - 139		

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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: BUF1146	Used client sample: N										
Diesel Range Organics (C12 - C24)	MS	1107512-31	ND	394.52	500.00	ug/L		78.9		36 - 130	
	MSD	1107512-31	ND	393.44	500.00	ug/L	0.3	78.7	30	36 - 130	
Tetracosane (Surrogate)	MS	1107512-31	ND	20.778	20.000	ug/L		104		28 - 139	
	MSD	1107512-31	ND	18.262	20.000	ug/L	12.9	91.3		28 - 139	

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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.
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
HISTORICT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 10, 2011
76 Station 5781

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G 8015 (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-4														
6/16/2010	153.48	11.13	0	142.35	--	ND<50	58	ND<0.50	9.7	1.3	16	--	5.4	
9/29/2010	153.48	12.62	0	140.86	-1.49	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	7.3	
12/21/2010	153.48	11.17	0	142.31	1.45	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
3/10/2011	153.48	10.57	0	142.91	0.60	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.2	
MW-5														
6/16/2010	153.66	11.95	0	141.71	--	3000	29000	580	6800	850	7200	--	ND<50	
9/29/2010	153.66	13.67	0	139.99	-1.72	64000	29000	220	4100	2500	23000	--	52	
12/21/2010	153.66	11.17	0	142.49	2.50	11000	50000	81	4800	2200	22000	--	ND<50	
3/10/2011	153.66	11.35	0	142.31	-0.18	4900	48000	69	3600	1700	20000	--	ND<50	
MW-6														
12/21/2010	154.62	12.10	0	142.52	--	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	32	
3/10/2011	154.62	11.36	0	143.26	0.74	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.6	
MW-7														
12/21/2010	155.38	13.46	0	141.92	--	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
3/10/2011	155.38	12.07	0	143.31	1.39	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-8														
12/21/2010	153.71	11.63	0	142.08	--	81	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.9	
3/10/2011	153.71	11.38	0	142.33	0.25	61	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.3	
MW-9														
12/21/2010	153.37	10.53	0	142.84	--	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.2	
3/10/2011	153.37	10.86	0	142.51	-0.33	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.90	
MW-A														
12/18/1990	--	--	--	--	--	73	ND	ND	ND	ND	ND	--		
5/3/1991	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--		
8/7/1991	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--		
11/8/1991	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--		
2/6/1992	151.80	19.88	0	131.92	--	ND	ND	ND	ND	ND	ND	--		
8/4/1992	151.80	18.95	0	132.85	0.93	ND	ND	ND	ND	ND	0.51	--		
2/10/1993	151.80	17.71	0	134.09	1.24	ND	ND	ND	ND	ND	ND	--		
2/10/1994	151.80	15.25	0	136.55	2.46	ND	ND	ND	0.52	ND	0.92	--		
2/9/1995	151.80	15.68	0	136.12	-0.43	ND	ND	ND	ND	ND	ND	--		
2/6/1996	151.80	12.52	0	139.28	3.16	120	ND	ND	ND	ND	2.1	--		
2/5/1997	151.80	13.01	0	138.79	-0.49	61	ND	ND	ND	ND	ND	--	ND	
2/2/1998	151.80	11.91	0	139.89	1.10	ND	ND	ND	ND	ND	ND	--	ND	
2/22/1999	151.80	11.24	0	140.56	0.67	ND	ND	ND	ND	ND	ND	--	ND	

Table 2
HISTORICT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 10, 2011

2/26/2000	151.80	12.16	0	139.64	-0.92	ND	ND	ND	1.01	ND	ND	--	ND
3/7/2001	151.80	11.91	0	139.89	0.25	131	ND	ND	ND	ND	ND	ND	ND
2/22/2002	151.80	14.08	0	137.72	-2.17	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<5.0
2/22/2003	151.80	14.41	0	137.39	-0.33	93	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0
2/3/2004	151.80	14.32	0	137.48	0.09	60	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0
2/18/2005	151.80	14.21	0	137.59	0.11	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50
3/29/2006	151.80	12.72	0	139.08	1.49	ND<200	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	0.54
3/28/2007	151.80	13.98	0	137.82	-1.26	92	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	ND<0.50
3/22/2008	151.80	12.68	0	139.12	1.30	ND<50	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	ND<0.50
3/27/2009	151.80	14.35	0	137.45	-1.67	53	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	ND<0.50
3/23/2010	151.80	19.55	0	132.25	-5.20	ND<58	--	--	--	--	--	--	
6/16/2010	154.79	17.85	0	136.94	4.69	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50
9/29/2010	154.79	15.50	0	139.29	2.35	ND<1200	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.63
12/21/2010	154.79	14.43	0	140.36	1.07	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.65
3/10/2011	154.79	17.70	0	137.09	-3.27	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.56

Table 2a
ADDITIONAL HISTORIC ANALYTICAL RESULTS

76 Station 5781

Date Sampled	TPH-G (GC/MS) ()	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Methanol (µg/l)	Total Oil and Grease (mg/l)	TRPH (mg/l)	Bromo-dichloro-methane (µg/l)	Comments
MW-4													
6/16/2010	--	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	--	--	--	
9/29/2010	--	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	--	--	--	
12/21/2010	--	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	--	--	--	
3/10/2011	--	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	--	--	--	
MW-5													
6/16/2010	--	ND<1000	ND<25000	ND<50	ND<50	ND<50	ND<50	ND<50	ND<100	--	--	--	
9/29/2010	--	ND<1000	ND<25000	ND<50	ND<50	ND<50	ND<50	ND<50	ND<1000	--	--	--	
12/21/2010	--	ND<1000	ND<25000	ND<50	ND<50	ND<50	ND<50	ND<50	ND<100	--	--	--	
3/10/2011	--	ND<1000	ND<25000	ND<50	ND<50	ND<50	ND<50	ND<50	ND<100	--	--	--	
MW-6													
12/21/2010	--	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	--	--	--	
3/10/2011	--	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	--	--	--	
MW-7													
12/21/2010	--	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	--	--	--	
3/10/2011	--	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	--	--	--	
MW-8													
12/21/2010	--	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	--	--	--	
3/10/2011	--	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	--	--	--	
MW-9													
12/21/2010	--	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	--	--	--	
3/10/2011	--	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	--	--	--	
MW-A													
2/6/1996	--	--	--	--	--	--	--	--	--	--	--	--	
2/5/1997	--	--	--	--	--	--	--	--	--	--	--	--	
3/7/2001	--	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	
2/22/2003	--	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	
2/3/2004	--	ND<100	ND<500	ND<2.0	ND<0.50	ND<2.0	ND<2.0	ND<2.0	--	--	ND<1.0	ND<0.50	
2/18/2005	--	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<2.0	--	ND<0.50	
3/29/2006	--	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	ND<0.50	
3/28/2007	--	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<5.0	--	ND<0.50	
3/22/2008	--	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<5.0	--	ND<0.50	
3/27/2009	--	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<5.0	--	ND<0.50	
6/16/2010	--	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	--	--	--	
9/29/2010	--	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	--	--	--	
12/21/2010	--	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	--	--	--	
3/10/2011	--	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	--	--	--	

Table 2b
ADDITIONAL HISTORIC ANALYTICAL RESULTS

76 Station 5781

Date Sampled	Bromo-form (µg/l)	Bromo-methane (µg/l)	Carbon Tetra-chloride (µg/l)	Chloro-benzene (µg/l)	Chloro-ethane (µg/l)	2-Chloroethyl vinyl ether (µg/l)	Chloroform (µg/l)	Chloro-methane (µg/l)	Dibromo-chloro-methane (µg/l)	1,2-Dichloro-benzene (µg/l)	1,3-Dichloro-benzene (µg/l)	1,4-Dichloro-benzene (µg/l)	Comments
MW-4													
6/16/2010	--	--	--	--	--	--	--	--	--	--	--	--	
9/29/2010	--	--	--	--	--	--	--	--	--	--	--	--	
12/21/2010	--	--	--	--	--	--	--	--	--	--	--	--	
3/10/2011	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5													
6/16/2010	--	--	--	--	--	--	--	--	--	--	--	--	
9/29/2010	--	--	--	--	--	--	--	--	--	--	--	--	
12/21/2010	--	--	--	--	--	--	--	--	--	--	--	--	
3/10/2011	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6													
12/21/2010	--	--	--	--	--	--	--	--	--	--	--	--	
3/10/2011	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7													
12/21/2010	--	--	--	--	--	--	--	--	--	--	--	--	
3/10/2011	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8													
12/21/2010	--	--	--	--	--	--	--	--	--	--	--	--	
3/10/2011	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9													
12/21/2010	--	--	--	--	--	--	--	--	--	--	--	--	
3/10/2011	--	--	--	--	--	--	--	--	--	--	--	--	
MW-A													
2/6/1996	--	--	--	--	--	--	--	--	--	--	--	--	
2/5/1997	--	--	--	--	--	--	--	--	--	--	--	--	
3/7/2001	--	--	--	--	--	--	--	--	--	--	--	--	
2/22/2003	--	--	--	--	--	--	--	--	--	--	--	--	
2/3/2004	ND<2.0	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<2.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
2/18/2005	ND<2.0	ND<1.0	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
3/29/2006	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
3/28/2007	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
3/22/2008	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
3/27/2009	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
6/16/2010	--	--	--	--	--	--	--	--	--	--	--	--	
9/29/2010	--	--	--	--	--	--	--	--	--	--	--	--	
12/21/2010	--	--	--	--	--	--	--	--	--	--	--	--	

Table 2b
ADDITIONAL HISTORIC ANALYTICAL RESULTS

3/10/2011	--	--	--	--	--	--	--	--	--	--	--	--

Table 2c
ADDITIONAL HISTORIC ANALYTICAL RESULTS

76 Station 5781

Date Sampled	Dichloro-difluoro-methane (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	cis-1,2-DCE (µg/l)	trans-1,2-DCE (µg/l)	1,2-Dichloro-propane (µg/l)	cis-1,3-Dichloro-propene (µg/l)	trans-1,3-Dichloro-propene (µg/l)	Methylene chloride (µg/l)	1,1,2,2-Tetrachloro-ethane (µg/l)	Tetrachloro-ethene (PCE) (µg/l)	Trichloro-trifluoro-ethane (µg/l)	Comments
MW-4													
6/16/2010	--	--	--	--	--	--	--	--	--	--	--	--	
9/29/2010	--	--	--	--	--	--	--	--	--	--	--	--	
12/21/2010	--	--	--	--	--	--	--	--	--	--	--	--	
3/10/2011	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5													
6/16/2010	--	--	--	--	--	--	--	--	--	--	--	--	
9/29/2010	--	--	--	--	--	--	--	--	--	--	--	--	
12/21/2010	--	--	--	--	--	--	--	--	--	--	--	--	
3/10/2011	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6													
12/21/2010	--	--	--	--	--	--	--	--	--	--	--	--	
3/10/2011	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7													
12/21/2010	--	--	--	--	--	--	--	--	--	--	--	--	
3/10/2011	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8													
12/21/2010	--	--	--	--	--	--	--	--	--	--	--	--	
3/10/2011	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9													
12/21/2010	--	--	--	--	--	--	--	--	--	--	--	--	
3/10/2011	--	--	--	--	--	--	--	--	--	--	--	--	
MW-A													
2/6/1996	--	--	--	--	--	--	--	--	--	--	--	--	
2/5/1997	--	--	--	--	--	--	--	--	--	--	--	--	
3/7/2001	--	--	--	--	--	--	--	--	--	--	--	--	
2/22/2003	--	--	--	--	--	--	--	--	--	--	--	--	
2/3/2004	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	
2/18/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	
3/29/2006	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	
3/28/2007	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	
3/22/2008	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	
3/27/2009	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	
6/16/2010	--	--	--	--	--	--	--	--	--	--	--	--	
9/29/2010	--	--	--	--	--	--	--	--	--	--	--	--	
12/21/2010	--	--	--	--	--	--	--	--	--	--	--	--	
3/10/2011	--	--	--	--	--	--	--	--	--	--	--	--	

Table 2d
ADDITIONAL HISTORIC ANALYTICAL RESULTS

76 Station 5781

Date Sampled	1,1,1-Trichloro-ethane (µg/l)	1,1,2-Trichloro-ethane (µg/l)	Trichloro-ethene (TCE) (µg/l)	Trichloro-fluoro-methane (µg/l)	Vinyl chloride (µg/l)	Comments
MW-4						
6/16/2010	--	--	--	--	--	
9/29/2010	--	--	--	--	--	
12/21/2010	--	--	--	--	--	
3/10/2011	--	--	--	--	--	
MW-5						
6/16/2010	--	--	--	--	--	
9/29/2010	--	--	--	--	--	
12/21/2010	--	--	--	--	--	
3/10/2011	--	--	--	--	--	
MW-6						
12/21/2010	--	--	--	--	--	
3/10/2011	--	--	--	--	--	
MW-7						
12/21/2010	--	--	--	--	--	
3/10/2011	--	--	--	--	--	
MW-8						
12/21/2010	--	--	--	--	--	
3/10/2011	--	--	--	--	--	
MW-9						
12/21/2010	--	--	--	--	--	
3/10/2011	--	--	--	--	--	
MW-A						
2/6/1996	--	--	--	--	--	
2/5/1997	--	--	--	--	--	
3/7/2001	--	--	--	--	--	
2/22/2003	--	--	--	--	--	
2/3/2004	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	
2/18/2005	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	
3/29/2006	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
3/28/2007	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
3/22/2008	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
3/27/2009	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
6/16/2010	--	--	--	--	--	
9/29/2010	--	--	--	--	--	
12/21/2010	--	--	--	--	--	
3/10/2011	--	--	--	--	--	