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 Station #3538
Union Oil Company of California Site 351642
411 West MacArthur Boulevard
Oakland, California

I have reviewed the attached report dated October 10, 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

October 10, 2011 Reference No. 060725

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

Re: Second Semi-Annual 2011
Groundwater Monitoring and Sampling Report
Unocal Station #3538
Union Oil Company of California Site 351642
411 West MacArthur Boulevard
Oakland, California
Fuel Leak Case No. RO0000251

Dear Ms. Jakub:

Conestoga-Rovers & Associates (CRA), on behalf of Union Oil Company of California (Union Oil), is submitting this *Second Semi-Annual 2011 Groundwater Monitoring and Sampling Report* for the site referenced above (Figure 1). As of June 3, 2011 ("Effective Date"), ConocoPhillips Company transferred the management of the environmental remediation activities at Unocal Station #3538 to Union Oil Company of California. 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 September 12, 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' September 16, 2011 report is included as Attachment B. Historical groundwater monitoring and sampling data is included as Attachment C.

RESULTS OF SECOND SEMI-ANNUAL 2011 EVENT

On September 6, 2011, TRC monitored and sampled the site wells per the established schedule.

Results of the current monitoring event indicate the following:

- Groundwater Flow Direction Southwest
- Hydraulic Gradient 0.020
- Approximate Depth to Groundwater 15 to 18 feet below grade

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

TABLE A: GROUNDWATER ANALYTICAL DATA

Well ID	*TPHg (µg/L)*	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Total Xylenes (µg/L)*	*MTBE (µg/L)*
ESLs	100	1	40	30	20	5
MW-1	<50	<0.30	<0.30	<0.30	<0.60	<1.0
MW-2	<50	<0.30	<0.30	<0.30	<0.60	<1.0
MW-3	<50	<0.30	<0.30	<0.30	<0.60	4.7
MW-4	<50	<0.30	<0.30	<0.30	<0.60	<1.0
MW-5	<50	<0.30	<0.30	<0.30	<0.60	<1.0
MW-6	<50	<0.30	<0.30	<0.30	<0.60	<1.0

TPHg Total petroleum hydrocarbons as gasoline
MTBE Methyl tertiary butyl ether
µg/L Micrograms per Liter
<0.50 Below laboratory detection limit 0.50
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

CONCLUSIONS AND RECOMMENDATIONS

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

- No TPHg or BTEX was detected
- No MTBE was detected except in MW-3 at 4.7 µg/L, which is below the drinking water resource ESL

CONESTOGA-ROVERS & ASSOCIATES

- Constituents of concern (COCs) are TPHg, benzene, and MTBE. COC concentrations have been below laboratory method detection limits or ESLs since at least 2007 in all wells except MW-3
- In MW-3, TPHg concentrations are near the ESL and MTBE concentrations are typically within approximately one order of magnitude of the ESL
- Dissolved-phase hydrocarbons are delineated in all directions except south

Based on the above, CRA recommends reducing to annual groundwater monitoring and sampling during the third quarter.

ANTICIPATED FUTURE ACTIVITIES

Groundwater Monitoring
TRC will monitor and sample site wells per the proposed schedule (upon approval from ACEH) and forward the samples to BC Labs for analyses. Upon final results, CRA will submit a groundwater monitoring and sampling report.

Please contact Ian Hull at (510) 420-3344 if you have any questions or require additional information.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Ian Hull

Jim Schneider, PG 7914

IH/aa/2
Encl.

CONESTOGA-ROVERS & ASSOCIATES

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 *(electronic copy)*
Mr. Kevin Ma & Mr. Arthur Yu, Property Owners

FIGURES

SOURCE: USGS QUADRANGLE MAP: OAKLAND WEST, CA.

Figure 1

VICINITY MAP
76 PRODUCTS SERVICE STATION #35-1642
411 WEST MACARTHUR BOULEVARD
Oakland, California

60725-TRAN(001)GN-WA001 FEB 04/2011

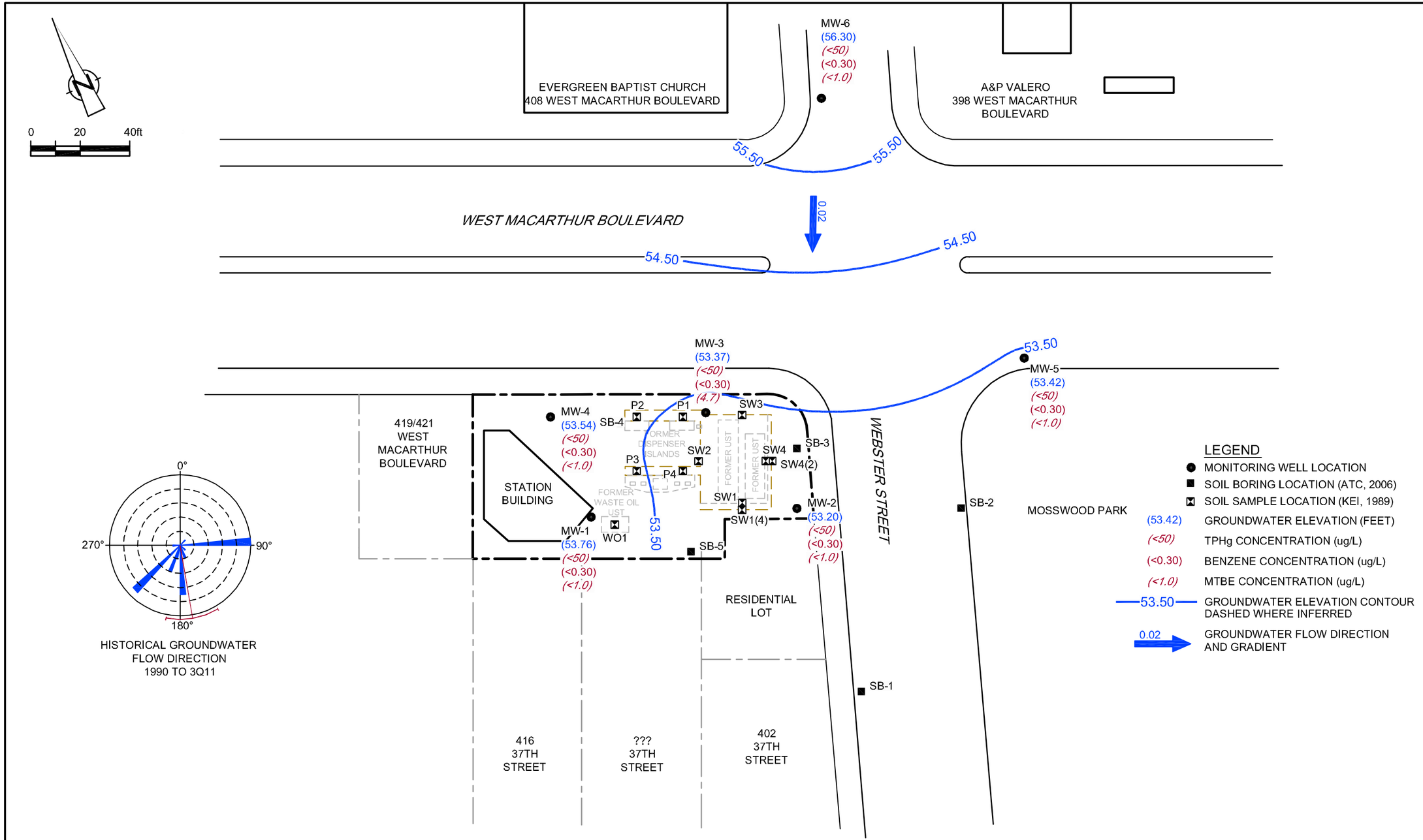

Figure 2

GROUNDWATER ELEVATION AND CHEMICAL CONCENTRATION MAP - SEPTEMBER 6, 2011
UNOCAL STATION #3538 (UNION OIL SITE 351642)
411 WEST MACARTHUR BOULEVARD
Oakland, California

SOURCE: TRC, FIGURE 2, SITE PLAN SHOWING BORING LOCATIONS.

60725-95(002)GN-WA001 SEP 23/2011

TABLE

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
UNOCAL STATION #3538 UNION OIL SITE 351642
411 WEST MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*						
Location	Date	*TOC*	*DTW*	*GWE*	*TPH Gasoline*	*B*	*T*	*E*	*X*	*MTBE by SW8021*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-1	**09/06/2011**	**72.12**	**18.36**	**53.76**	**<50**	**<0.30**	**<0.30**	**<0.30**	**<0.60**	**<1.0**	**<0.50**	**<0.50**
MW-2	**09/06/2011**	**71.34**	**18.14**	**53.20**	**<50**	**<0.30**	**<0.30**	**<0.30**	**<0.60**	**<1.0**	**<0.50**	**<0.50**
MW-3	**09/06/2011**	**71.40**	**18.03**	**53.37**	**<50**	**<0.30**	**<0.30**	**<0.30**	**<0.60**	**4.7**	**<0.50**	**<0.50**
MW-4	**09/06/2011**	**71.54**	**18.00**	**53.54**	**<50**	**<0.30**	**<0.30**	**<0.30**	**<0.60**	**<1.0**	**<0.50**	**<0.50**
MW-5	**09/06/2011**	**71.16**	**17.74**	**53.42**	**<50**	**<0.30**	**<0.30**	**<0.30**	**<0.60**	**<1.0**	**<0.50**	**<0.50**
MW-6	**09/06/2011**	**71.37**	**15.07**	**56.30**	**<50**	**<0.30**	**<0.30**	**<0.30**	**<0.60**	**<1.0**	**<0.50**	**<0.50**

Abbreviations and Notes:

TOC = Top of Casing
DTW = Depth to Water
GWE = Groundwater elevation
(ft-amsl) = Feet Above Mean sea level
ft = Feet
µg/L = Micrograms per Liter
TPH - Total Petroleum Hydrocarbons
VOCS = Volatile Organic Compounds

GROUNDWATER MONITORING AND SAMPLING DATA
UNOCAL STATION #3538 UNION OIL SITE 351642
411 WEST MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylene
MTBE = Methyl tert butyl ether
EDB = 1,2-Dibromoethane (Ethylene dibromide)
1,2-DCA = 1,2-Dichloroethane
-- = Not available / not applicable
<x = Not detected above laboratory reported practical quantitation level.

ATTACHMENT A

MONITORING DATA PACKAGE

123 Technology Drive West
Irvine, CA 92618

949.727.9336 PHONE
949.727.7399 FAX

www.TRCsolutions.com

DATE: September 12, 2011

TO: Ian Hull
CRA
5900 Hollis Street, Suite A
Emeryville, California 94608

SITE: Unocal Site 3538
Facility 351642
411 West MacArthur Blvd., Oakland, CA

RE: Transmittal of Groundwater Monitoring Data

Dear Mr. Hull,

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 September 6, 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: Basilio Job #/Task #: 183487.0035.1642 Date: 9-6-11

Site # 3538 Project Manager Anju Farfan 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-6	✓	0516	30.10	15.07	—	—	0930	2"
MW-5	✓	0530	30.15	17.74	—	—	1042	2"
MW-4	✓	0635	24.74	18.00	—	—	0729	2"
MW-1	✓	0641	23.96	18.36	—	—	0742	2"
MW-2	✓	0650	24.60	18.14	—	—	0800	2"
MW-3	✓	0656	27.18	18.03	—	—	0819	2"

FIELD DATA COMPLETE QA/QC COC WELL BOX CONDITION SHEETS

MANIFEST DRUM INVENTORY TRAFFIC CONTROL

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Basilio

Site: 3538 Project No.: 183487.0035.1642 Date: 9-6-11

Well No. MW-4 Purge Method: HB

Depth to Water (feet): 18.00 Depth to Product (feet): —

Total Depth (feet) 24.74 LPH & Water Recovered (gallons): —

Water Column (feet): 6.74 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 19.34 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									
0716			2	772.8	18.6	5.64			
			4	812.9	18.7	5.65			
	0724		6	813.6	18.7	5.72			

Static at Time Sampled	Total Gallons Purged	Sample Time
18.06	6	0729

Comments:

Well No. MW-1 Purge Method: HB

Depth to Water (feet): 18.36 Depth to Product (feet): —

Total Depth (feet) 23.96 LPH & Water Recovered (gallons): —

Water Column (feet): 5.60 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 19.48 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									
0733			1	578.0	16.9	6.40			
			2	572.1	17.2	6.05			
	0738		3	571.2	17.2	5.89			

Static at Time Sampled	Total Gallons Purged	Sample Time
18.40	3	0742

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Basilio

Site: 3538 Project No.: 183487.0035.1642 Date: 9-6-11

Well No. MW-2 Purge Method: HB

Depth to Water (feet): 18.14 Depth to Product (feet): —

Total Depth (feet) 24.60 LPH & Water Recovered (gallons): —

Water Column (feet): 6.46 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 19.43 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									
0750			1	801.4	17.9	6.57			
			2	810.3	18.2	6.29			
	0755		3	807.8	17.8	6.27			

Static at Time Sampled	Total Gallons Purged	Sample Time
18.18	3	0800

Comments:

Well No. MW-3 Purge Method: HB

Depth to Water (feet): 18.03 Depth to Product (feet): —

Total Depth (feet) 27.18 LPH & Water Recovered (gallons): —

Water Column (feet): 9.15 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 19.86 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									
0806			2	808.4	18.2	6.05			
			4	842.5	18.6	5.89			
	0814		6	859.8	18.7	5.91			

Static at Time Sampled	Total Gallons Purged	Sample Time
	6	0819

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Banks

Site: 3538 Project No.: 183487.0035.1642 Date: 9-6-11

Well No. MW-6 Purge Method: SUB

Depth to Water (feet): 15.07 Depth to Product (feet): —

Total Depth (feet) 30.10 LPH & Water Recovered (gallons): —

Water Column (feet): 15.03 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 18.07 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									
0830			3	835.8	17.2	6.92			
			6	582.5	18.1	6.55			
	0835		9	805.0	18.4	6.22			

Static at Time Sampled	Total Gallons Purged	Sample Time
18.07	9	0930

Comments: Recovers slow.

Well No. MW-5 Purge Method: SUB

Depth to Water (feet): 17.74 Depth to Product (feet): —

Total Depth (feet) 30.15 LPH & Water Recovered (gallons): —

Water Column (feet): 12.41 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 20.22 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									
0939			3	1119	19.5	6.45			
	0942		6	1117	19.0	6.28			
0944	0945		9	1136	19.2	6.03			

Static at Time Sampled	Total Gallons Purged	Sample Time
20.22	9	1042

Comments: Recovers slow

TRC

WELL BOX CONDITION REPORT

SITE NO. 3538

ADDRESS 411 West MacArthur BLVD

DATE 9-6-11

PERFOMED BY: Basilio

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-6	8"	3	N	N	1	N	N	N	N	N	N	N	N	N	N	Y	N	X	N	
MW-5	8"	3	N	1	N	N	N	N	N	N	N	N	N	N	N	Y	N	X	N	
MW-4	12"	2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
MW-1	12"	2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
MW-2	12"	2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
MW-3	12"	2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	

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: 3538	Union Oil Consultant: CRA
Site Global ID: T0600102172	Consultant Contact: Jon Hull
Site Address: 411 West Winton Blvd Oakland	Consultant Phone No.: 510-420-3344
Union Oil PM: Kevin Graves	Sampling Company: TRC
Union Oil PM Phone No.: 925-842-9613	Sampled By (PRINT): Dario
Charge Code: NWRTB-0321642-0- LAB	Sampler Signature:
This is a LEGAL document. ALL fields must be filled out CORRECTLY and COMPLETELY.	**BC Laboratories, Inc.** **Project Manager: Molly Meyers** 4100 Atlas Court, Bakersfield, CA 93308 Phone No. 661-327-4911

ANALYSES REQUIRED

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

Special Instructions

SAMPLE ID						TPH - Diesel by EPA 8015	TPH - G by GC/MS	BTEX/MTBE/OXYS by EPA 8260B	Ethanol by EPA 8260B	EPA 8260B Full List with OXYS	STEX, MTBE & Lg 8021						Notes / Comments
Field Point Name	Matrix	DTW	Date (yymmdd)	Sample Time	# of Containers												
MW-6	W-S-A		11-6-11	0750	6		X				X						
MW-5	W-S-A		↓	1042	↓		↓				↓						
MW-4	W-S-A			0729													
MW-1	W-S-A			0742													
MW-2	W-S-A			0800													
MW-3	W-S-A		↓	0819	↓		↓				↓						
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																

Relinquished By: DLP	Company:	Date / Time: 9.6.11 1435
Received By: DLP	Company: BC	Date / Time: 9.6.11 1435
Relinquished By	Company	Date / Time :
Received By	Company	Date / Time :
Relinquished By	Company	Date / Time:
Received By	Company	Date / Time:

TRC SOLUTIONS
TECHNICAL SERVICES REQUEST FORM

15-Aug-11

Site ID:	3538	**Project No.:**	183487.0035.1642 / 00TA01
Address	411 West MacArthur Blvd.	**Client:**	Roya Kambin
City:	Oakland	**Contact #:**	925-790-6270
Cross Street:	Webster St.	**PM:**	Ian Hull CRA
		PM Contact #:	510-420-3344

Total number of wells:	6	**Min. Well Diameter (in.):**	2	**# of Techs, # of Hrs:**	1, 5
Depth to Water (ft.):	15	**Max. Well Diameter (in.):**	2	**Travel Time (hrs):**	
		Max. Well Depth (ft):	30		

ACTIVITIES:		**Frequency**	**Notes**
Gauging:	☑	Semi Q1/Q3	
Purge/Sampling:	☑	Semi Q1/Q3	
No Purge/Sample	☐		

RELATED ACTIVITIES		**Note**
Drums:	☑	
Other Activities:	☑	No parking signs
Traffic Control:	☑	City of Oakland permit needed

PERMIT INFORMATION:

Post no parking signs at least 48 hours before event.

NOTIFICATIONS:

Arthur Yu, A&P Service Center: 510-685-0611 or 510-658-2940
He rents parking spaces onsite and needs to make sure no one parks over MW-2 day of event.

SITE INFORMATION:

TRC SOLUTIONS

TECHNICAL SERVICES REQUEST FORM

15-Aug-11

Site ID:	3538	**Project No.:**	183487.0035.1642 / 00TA01
Address	411 West MacArthur Blvd.	**Client:**	Roya Kambin
City:	Oakland	**Contact #:**	925-790-6270
Cross Street:	Webster St.	**PM:**	Ian Hull CRA
		PM Contact #:	510-420-3344

LAB INFORMATION:

Global ID: T0600101472

Lab WO: 351642

Lab Used: BC Labs

Lab Notes: Lab Analyses:
TPH-G by 8015M, BTEX/MTBE by 8021 [Containers: 3 voas w/ HCl]
EDB/EDC by 8260B [Containers: 3 voas w/ HCl]

TRC SOLUTIONS

TECHNICAL SERVICES REQUEST FORM

15-Aug-11

Site ID.: 3538
Address 411 West MacArthur Blvd.
City: Oakland
Cross Street Webster St.

			Gauging				Sampling				Field Measurements			
Well IDs	**Benz.**	**MTBE**	**Q1**	**Q2**	**Q3**	**Q4**	**Q1**	**Q2**	**Q3**	**Q4**	**Pre-Purge**	**Post-Purge**	**Type**	**Comments**
MW-6	0	0	☑	☐	☑	☐	☐	☐	☑	☐	☐	☐		2" casing/8" lid
MW-5	0	0	☑	☐	☑	☐	☐	☐	☑	☐	☐	☐		2" casing/8" lid
MW-4	0	0	☑	☐	☑	☐	☐	☐	☑	☐	☐	☐		2" casing/12" lid
MW-1	0	0	☑	☐	☑	☐	☐	☐	☑	☐	☐	☐		2" casing/12" lid
MW-2	0	1.6	☑	☐	☑	☐	☑	☐	☑	☐	☐	☐		2" casing/12" lid
MW-3	0	73	☑	☐	☑	☐	☑	☐	☑	☐	☐	☐		2" casing/12" lid

ATTACHMENT B

LABORATORY ANALYTICAL REPORT

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 09/16/2011

Ian Hull

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

Project:	3538
BC Work Order:	1114405
Invoice ID:	B107583

Enclosed are the results of analyses for samples received by the laboratory on 9/6/2011. 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

CHAIN OF CUSTODY FORM

111405

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

COC 1 of 1

SUB-OUT ☐ DISTRIBUTION CHK BY

Union Oil Site ID: 3538	Union Oil Consultant: CRA
Site Global ID: T0600101472	Consultant Contact: IAN Hill
Site Address: 411 West MacArthur Blvd Oakland	Consultant Phone No.: 510-420-3344
Union Oil PM: Raya Kambiz	Sampling Company: TRC
Union Oil PM Phone No.: 925-790-6270	Sampled By (PRINT): BASILIO
Charge Code: NWRTB-0351642-0-LAB	Sampler Signature:
This is a LEGAL document. ALL fields must be filled out CORRECTLY and COMPLETELY.	BC Laboratories, Inc. Project Manager: Molly Meyers 4100 Atlas Court, Bakersfield, CA 93308 Phone No. 661-327-4911

ANALYSES REQUIRED

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

Special Instructions

SAMPLE ID						TPH - Diesel by EPA 8015	TPH - G by [redacted] 8015/8260B	BTEX/MTBE/OXYS by EPA 8260B	Ethanol by EPA 8260B	EPA 8260B Full List with OXYS	BTEX/MTBE by 8021	Notes / Comments
Field Point Name	Matrix	DTW	Date (yymmdd)	Sample Time	# of Containers							
MW-6	W-S-A	-1	9-6-11	0930	6		X				X	
MW-5	W-S-A	-2		1042								
MW-4	W-S-A	-3		0729								
MW-1	W-S-A	-4		0742								
MW-2	W-S-A	-5		0800								
MW-3	W-S-A	-6		0819								
	W-S-A											
	W-S-A											
	W-S-A											
	W-S-A											
	W-S-A											
	W-S-A											

CHK BY [redacted] DISTRIBUTION SUB-OUT ☐

Relinquished By	Company	Date / Time:	Relinquished By	Company	Date / Time:	Relinquished By	Company	Date / Time:
		9.6.11 1435		BCL	9.6.11 2115			
Received By	Company	Date / Time:	Received By	Company	Date / Time:	Received By	Company	Date / Time:
	BCL	9.6.11 1435		BCL	9.6.11 2115			

Chain of Custody and Cooler Receipt Form for 1114405 Page 2 of 2

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

Submission #: 11-14405

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

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

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

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

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

COC Received ☐YES ☐ NO

Emissivity: 0.98 Container: VOA Thermometer ID: 177 Date/Time 9-6-11

Temperature: A 3.4 °C / C 3.2 °C Analyst Init DMM 9/15

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										
P1A PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A	A	A	A	A	A				
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:

Sample Numbering Completed By: BLT Date/Time: 9-7-11 @ 0800

A = Actual / C = Corrected

[H:\DOCS\WP8\LAB_DOCS\FORMS\SAMREC2.WPD]

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

Reported: 09/16/2011 14:05
Project: 3538
Project Number: 351642
Project Manager: Ian Hull

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1114405-01	**COC Number:**	---	**Receive Date:** 09/06/2011 21:15
	Project Number:	3538	**Sampling Date:** 09/06/2011 09:30
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-6-W-110906	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:**
			Delivery Work Order:
			Global ID: T0600101472
			Location ID (FieldPoint): MW-6
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1114405-02	**COC Number:**	---	**Receive Date:** 09/06/2011 21:15
	Project Number:	3538	**Sampling Date:** 09/06/2011 10:42
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-5-W-110906	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:**
			Delivery Work Order:
			Global ID: T0600101472
			Location ID (FieldPoint): MW-5
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1114405-03	**COC Number:**	---	**Receive Date:** 09/06/2011 21:15
	Project Number:	3538	**Sampling Date:** 09/06/2011 07:29
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-4-W-110906	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:**
			Delivery Work Order:
			Global ID: T0600101472
			Location ID (FieldPoint): MW-4
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:

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

Reported: 09/16/2011 14:05
Project: 3538
Project Number: 351642
Project Manager: Ian Hull

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1114405-04	**COC Number:**	---	**Receive Date:**	09/06/2011 21:15
	Project Number:	3538	**Sampling Date:**	09/06/2011 07:42
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-1-W-110906	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	
			Delivery Work Order:	
			Global ID: T0600101472	
			Location ID (FieldPoint): MW-1	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1114405-05	**COC Number:**	---	**Receive Date:**	09/06/2011 21:15
	Project Number:	3538	**Sampling Date:**	09/06/2011 08:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-2-W-110906	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	
			Delivery Work Order:	
			Global ID: T0600101472	
			Location ID (FieldPoint): MW-2	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1114405-06	**COC Number:**	---	**Receive Date:**	09/06/2011 21:15
	Project Number:	3538	**Sampling Date:**	09/06/2011 08:19
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-3-W-110906	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	
			Delivery Work Order:	
			Global ID: T0600101472	
			Location ID (FieldPoint): MW-3	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

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

Reported: 09/16/2011 14:05
Project: 3538
Project Number: 351642
Project Manager: Ian Hull

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1114405-01 | **Client Sample Name:** 3538, MW-6-W-110906, 9/6/2011 9:30:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane-d4 (Surrogate)	102	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	97.6	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	96.5	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	09/08/11	09/09/11 06:23	JMC	MS-V12	1	BUI0436

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

Reported: 09/16/2011 14:05
Project: 3538
Project Number: 351642
Project Manager: Ian Hull

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1114405-01 | **Client Sample Name:** 3538, MW-6-W-110906, 9/6/2011 9:30:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.30	EPA-8021	ND		1
Toluene	ND	ug/L	0.30	EPA-8021	ND		1
Ethylbenzene	ND	ug/L	0.30	EPA-8021	ND		1
Methyl t-butyl ether	ND	ug/L	1.0	EPA-8021	ND		1
Total Xylenes	ND	ug/L	0.60	EPA-8021	ND		1
Gasoline Range Organics (C4 - C12)	ND	ug/L	50	EPA-8015B	ND		2
a,a,a-Trifluorotoluene (PID Surrogate)	104	%	70 - 130 (LCL - UCL)	EPA-8021			1
a,a,a-Trifluorotoluene (FID Surrogate)	89.8	%	70 - 130 (LCL - UCL)	EPA-8015B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8021	09/15/11	09/15/11 12:12	jjh	GC-V4	1	BUI0963
2	EPA-8015B	09/15/11	09/15/11 12:12	jjh	GC-V4	1	BUI0963

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

Reported: 09/16/2011 14:05
Project: 3538
Project Number: 351642
Project Manager: Ian Hull

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1114405-02 | **Client Sample Name:** 3538, MW-5-W-110906, 9/6/2011 10:42:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	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)	104	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	104	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	09/08/11	09/09/11 06:04	JMC	MS-V12	1	BUI0436

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

Reported: 09/16/2011 14:05
Project: 3538
Project Number: 351642
Project Manager: Ian Hull

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1114405-02 | **Client Sample Name:** 3538, MW-5-W-110906, 9/6/2011 10:42:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.30	EPA-8021	ND		1
Toluene	ND	ug/L	0.30	EPA-8021	ND		1
Ethylbenzene	ND	ug/L	0.30	EPA-8021	ND		1
Methyl t-butyl ether	ND	ug/L	1.0	EPA-8021	ND		1
Total Xylenes	ND	ug/L	0.60	EPA-8021	ND		1
Gasoline Range Organics (C4 - C12)	ND	ug/L	50	EPA-8015B	ND		2
a,a,a-Trifluorotoluene (PID Surrogate)	105	%	70 - 130 (LCL - UCL)	EPA-8021			1
a,a,a-Trifluorotoluene (FID Surrogate)	89.1	%	70 - 130 (LCL - UCL)	EPA-8015B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8021	09/15/11	09/15/11 12:34	jjh	GC-V4	1	BUI0963
2	EPA-8015B	09/15/11	09/15/11 12:34	jjh	GC-V4	1	BUI0963

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

Reported: 09/16/2011 14:05
Project: 3538
Project Number: 351642
Project Manager: Ian Hull

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1114405-03 | **Client Sample Name:** 3538, MW-4-W-110906, 9/6/2011 7:29:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane-d4 (Surrogate)	97.9	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	103	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	104	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	09/08/11	09/09/11 05:45	JMC	MS-V12	1	BUI0436

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

Reported: 09/16/2011 14:05
Project: 3538
Project Number: 351642
Project Manager: Ian Hull

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1114405-03 | **Client Sample Name:** 3538, MW-4-W-110906, 9/6/2011 7:29:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.30	EPA-8021	ND		1
Toluene	ND	ug/L	0.30	EPA-8021	ND		1
Ethylbenzene	ND	ug/L	0.30	EPA-8021	ND		1
Methyl t-butyl ether	ND	ug/L	1.0	EPA-8021	ND		1
Total Xylenes	ND	ug/L	0.60	EPA-8021	ND		1
Gasoline Range Organics (C4 - C12)	ND	ug/L	50	EPA-8015B	ND		2
a,a,a-Trifluorotoluene (PID Surrogate)	104	%	70 - 130 (LCL - UCL)	EPA-8021			1
a,a,a-Trifluorotoluene (FID Surrogate)	88.2	%	70 - 130 (LCL - UCL)	EPA-8015B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8021	09/15/11	09/15/11 14:44	jjh	GC-V4	1	BUI0963
2	EPA-8015B	09/15/11	09/15/11 14:44	jjh	GC-V4	1	BUI0963

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

Reported: 09/16/2011 14:05
Project: 3538
Project Number: 351642
Project Manager: Ian Hull

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1114405-04 | **Client Sample Name:** 3538, MW-1-W-110906, 9/6/2011 7:42:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane-d4 (Surrogate)	94.1	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	102	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	98.2	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	09/08/11	09/09/11 05:27	JMC	MS-V12	1	BUI0436

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

Reported: 09/16/2011 14:05
Project: 3538
Project Number: 351642
Project Manager: Ian Hull

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1114405-04 | **Client Sample Name:** 3538, MW-1-W-110906, 9/6/2011 7:42:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.30	EPA-8021	ND		1
Toluene	ND	ug/L	0.30	EPA-8021	ND		1
Ethylbenzene	ND	ug/L	0.30	EPA-8021	ND		1
Methyl t-butyl ether	ND	ug/L	1.0	EPA-8021	ND		1
Total Xylenes	ND	ug/L	0.60	EPA-8021	ND		1
Gasoline Range Organics (C4 - C12)	ND	ug/L	50	EPA-8015B	ND		2
a,a,a-Trifluorotoluene (PID Surrogate)	100	%	70 - 130 (LCL - UCL)	EPA-8021			1
a,a,a-Trifluorotoluene (FID Surrogate)	88.6	%	70 - 130 (LCL - UCL)	EPA-8015B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8021	09/15/11	09/15/11 15:06	jjh	GC-V4	1	BUI0963
2	EPA-8015B	09/15/11	09/15/11 15:06	jjh	GC-V4	1	BUI0963

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

Reported: 09/16/2011 14:05
Project: 3538
Project Number: 351642
Project Manager: Ian Hull

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1114405-05 | **Client Sample Name:** 3538, MW-2-W-110906, 9/6/2011 8:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane-d4 (Surrogate)	98.9	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	103	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	99.1	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	09/08/11	09/09/11 05:08	JMC	MS-V12	1	BUI0436

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

Reported: 09/16/2011 14:05
Project: 3538
Project Number: 351642
Project Manager: Ian Hull

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1114405-05 | **Client Sample Name:** 3538, MW-2-W-110906, 9/6/2011 8:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.30	EPA-8021	ND		1
Toluene	ND	ug/L	0.30	EPA-8021	ND		1
Ethylbenzene	ND	ug/L	0.30	EPA-8021	ND		1
Methyl t-butyl ether	ND	ug/L	1.0	EPA-8021	ND		1
Total Xylenes	ND	ug/L	0.60	EPA-8021	ND		1
Gasoline Range Organics (C4 - C12)	ND	ug/L	50	EPA-8015B	ND		2
a,a,a-Trifluorotoluene (PID Surrogate)	104	%	70 - 130 (LCL - UCL)	EPA-8021			1
a,a,a-Trifluorotoluene (FID Surrogate)	89.4	%	70 - 130 (LCL - UCL)	EPA-8015B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8021	09/15/11	09/15/11 15:27	jjh	GC-V4	1	BUI0963
2	EPA-8015B	09/15/11	09/15/11 15:27	jjh	GC-V4	1	BUI0963

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

Reported: 09/16/2011 14:05
Project: 3538
Project Number: 351642
Project Manager: Ian Hull

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1114405-06 | **Client Sample Name:** 3538, MW-3-W-110906, 9/6/2011 8:19:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane-d4 (Surrogate)	98.7	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	99.6	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	96.7	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	09/08/11	09/09/11 04:49	JMC	MS-V12	1	BUI0436

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Reported: 09/16/2011 14:05
Project: 3538
Project Number: 351642
Project Manager: Ian Hull

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1114405-06 | **Client Sample Name:** 3538, MW-3-W-110906, 9/6/2011 8:19:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.30	EPA-8021	ND		1
Toluene	ND	ug/L	0.30	EPA-8021	ND		1
Ethylbenzene	ND	ug/L	0.30	EPA-8021	ND		1
Methyl t-butyl ether	**4.7**	**ug/L**	**1.0**	**EPA-8021**	ND		1
Total Xylenes	ND	ug/L	0.60	EPA-8021	ND		1
Gasoline Range Organics (C4 - C12)	ND	ug/L	50	EPA-8015B	ND		2
a,a,a-Trifluorotoluene (PID Surrogate)	104	%	70 - 130 (LCL - UCL)	EPA-8021			1
a,a,a-Trifluorotoluene (FID Surrogate)	88.7	%	70 - 130 (LCL - UCL)	EPA-8015B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8021	09/15/11	09/15/11 15:49	jjh	GC-V4	1	BUI0963
2	EPA-8015B	09/15/11	09/15/11 15:49	jjh	GC-V4	1	BUI0963

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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: BUI0436						
Benzene	BUI0436-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BUI0436-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BUI0436-BLK1	ND	ug/L	0.50		
Toluene	BUI0436-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane-d4 (Surrogate)	BUI0436-BLK1	94.7	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BUI0436-BLK1	108	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BUI0436-BLK1	100	%	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: BUI0436										
Benzene	BUI0436-BS1	LCS	21.820	25.000	ug/L	87.3		70 - 130		
Toluene	BUI0436-BS1	LCS	24.700	25.000	ug/L	98.8		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BUI0436-BS1	LCS	10.190	10.000	ug/L	102		76 - 114		
Toluene-d8 (Surrogate)	BUI0436-BS1	LCS	11.030	10.000	ug/L	110		88 - 110		
4-Bromofluorobenzene (Surrogate)	BUI0436-BS1	LCS	10.680	10.000	ug/L	107		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: BUI0436	Used client sample: N										
Benzene	MS	1113168-55	ND	20.820	25.000	ug/L		83.3		70 - 130	
	MSD	1113168-55	ND	23.650	25.000	ug/L	12.7	94.6	20	70 - 130	
Toluene	MS	1113168-55	ND	23.450	25.000	ug/L		93.8		70 - 130	
	MSD	1113168-55	ND	25.340	25.000	ug/L	7.7	101	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1113168-55	ND	9.8100	10.000	ug/L		98.1		76 - 114	
	MSD	1113168-55	ND	10.710	10.000	ug/L	8.8	107		76 - 114	
Toluene-d8 (Surrogate)	MS	1113168-55	ND	10.540	10.000	ug/L		105		88 - 110	
	MSD	1113168-55	ND	10.130	10.000	ug/L	4.0	101		88 - 110	
4-Bromofluorobenzene (Surrogate)	MS	1113168-55	ND	9.9400	10.000	ug/L		99.4		86 - 115	
	MSD	1113168-55	ND	11.100	10.000	ug/L	11.0	111		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: BUI0963						
Benzene	BUI0963-BLK1	ND	ug/L	0.30		
Toluene	BUI0963-BLK1	ND	ug/L	0.30		
Ethylbenzene	BUI0963-BLK1	ND	ug/L	0.30		
Methyl t-butyl ether	BUI0963-BLK1	ND	ug/L	1.0		
Total Xylenes	BUI0963-BLK1	ND	ug/L	0.60		
Gasoline Range Organics (C4 - C12)	BUI0963-BLK1	ND	ug/L	50		
a,a,a-Trifluorotoluene (PID Surrogate)	BUI0963-BLK1	105	%	70 - 130 (LCL - UCL)		
a,a,a-Trifluorotoluene (FID Surrogate)	BUI0963-BLK1	86.7	%	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: BUI0963										
Benzene	BUI0963-BS1	LCS	36.507	40.000	ug/L	91.3		85 - 115		
Toluene	BUI0963-BS1	LCS	36.545	40.000	ug/L	91.4		85 - 115		
Ethylbenzene	BUI0963-BS1	LCS	37.283	40.000	ug/L	93.2		85 - 115		
Methyl t-butyl ether	BUI0963-BS1	LCS	39.284	40.000	ug/L	98.2		85 - 115		
Total Xylenes	BUI0963-BS1	LCS	109.50	120.00	ug/L	91.3		85 - 115		
Gasoline Range Organics (C4 - C12)	BUI0963-BS1	LCS	977.75	1000.0	ug/L	97.8		85 - 115		
a,a,a-Trifluorotoluene (PID Surrogate)	BUI0963-BS1	LCS	40.842	40.000	ug/L	102		70 - 130		
a,a,a-Trifluorotoluene (FID Surrogate)	BUI0963-BS1	LCS	36.757	40.000	ug/L	91.9		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: BUI0963	Used client sample: N										
Benzene	MS	1113168-68	ND	35.697	40.000	ug/L		89.2		70 - 130	
	MSD	1113168-68	ND	36.417	40.000	ug/L	2.0	91.0	20	70 - 130	
Toluene	MS	1113168-68	ND	35.751	40.000	ug/L		89.4		70 - 130	
	MSD	1113168-68	ND	36.454	40.000	ug/L	1.9	91.1	20	70 - 130	
Ethylbenzene	MS	1113168-68	ND	36.428	40.000	ug/L		91.1		70 - 130	
	MSD	1113168-68	ND	37.285	40.000	ug/L	2.3	93.2	20	70 - 130	
Methyl t-butyl ether	MS	1113168-68	ND	37.213	40.000	ug/L		93.0		70 - 130	
	MSD	1113168-68	ND	39.126	40.000	ug/L	5.0	97.8	20	70 - 130	
Total Xylenes	MS	1113168-68	ND	106.32	120.00	ug/L		88.6		70 - 130	
	MSD	1113168-68	ND	108.53	120.00	ug/L	2.1	90.4	20	70 - 130	
Gasoline Range Organics (C4 - C12)	MS	1113168-68	ND	1006.4	1000.0	ug/L		101		70 - 130	
	MSD	1113168-68	ND	975.63	1000.0	ug/L	3.1	97.6	20	70 - 130	
a,a,a-Trifluorotoluene (PID Surrogate)	MS	1113168-68	ND	41.281	40.000	ug/L		103		70 - 130	
	MSD	1113168-68	ND	42.317	40.000	ug/L	2.5	106		70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	MS	1113168-68	ND	35.810	40.000	ug/L		89.5		70 - 130	
	MSD	1113168-68	ND	36.964	40.000	ug/L	3.2	92.4		70 - 130	

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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

ATTACHMENT C

HISTORICAL GROUNDWATER MONITORING AND SAMPLING DATA

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 23, 2010
Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	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-1															
9/15/1989	--	--	--	--	--	ND	ND	0.61	ND	ND	--	--	--	--	
1/23/1990	--	--	--	--	--	ND	1.5	2.3	ND	4.3	--	--	--	--	
4/19/1990	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	
7/17/1990	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	
10/16/1990	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	
1/15/1991	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	
4/12/1991	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	
7/15/1991	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	
7/14/1992	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	
4/13/1993	72.43	17.70	0	54.73	--	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/14/1993	72.43	18.49	0	53.94	-0.79	ND	2.2	2.1	1.1	6.2	--	--	--	--	
10/14/1993	72.10	18.32	0	53.78	-0.16	--	--	--	--	--	--	--	--	--	Sampled Q3 only
1/12/1994	72.10	18.18	0	53.92	0.14	--	--	--	--	--	--	--	--	--	Sampled Q3 only
4/11/1994	72.10	17.80	0	54.30	0.38	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/7/1994	72.10	18.28	0	53.82	-0.48	ND	ND	ND	ND	ND	--	--	--	--	
10/5/1994	72.10	18.55	0	53.55	-0.27	--	--	--	--	--	--	--	--	--	Sampled Q3 only
1/9/1995	72.10	17.90	0	54.20	0.65	--	--	--	--	--	--	--	--	--	Sampled Q3 only
4/17/1995	72.10	17.22	0	54.88	0.68	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/19/1995	72.10	18.03	0	54.07	-0.81	ND	ND	ND	ND	ND	--	--	--	--	
10/26/1995	72.10	18.67	0	53.43	-0.64	--	--	--	--	--	--	--	--	--	Sampled Q3 only
1/16/1996	72.10	17.20	0	54.90	1.47	--	--	--	--	--	--	--	--	--	Sampled Q3 only
4/15/1996	72.10	17.40	0	54.70	-0.20	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/11/1996	72.10	18.03	0	54.07	-0.63	ND	ND	ND	ND	ND	ND	--	--	--	
1/17/1997	72.10	16.54	0	55.56	1.49	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/21/1997	72.10	18.16	0	53.94	-1.62	ND	ND	ND	ND	ND	ND	--	--	--	
1/14/1998	72.10	16.05	0	56.05	2.11	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/6/1998	72.10	16.46	0	55.64	-0.41	ND	ND	ND	ND	ND	ND	--	--	--	
1/13/1999	72.10	17.37	0	54.73	-0.91	--	--	--	--	--	--	--	--	--	Sampled Q3 only
8/31/1999	72.12	17.00	0	55.12	0.39	ND	ND	ND	ND	ND	ND	--	--	--	
1/21/2000	72.12	17.04	0	55.08	-0.04	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/10/2000	72.12	18.10	0	54.02	-1.06	ND	ND	ND	ND	ND	ND	--	--	--	
1/4/2001	72.12	17.95	0	54.17	0.15	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/16/2001	72.12	18.03	0	54.09	-0.08	ND	ND	ND	ND	ND	ND	--	--	--	
1/28/2002	72.12	17.31	0	54.81	0.72	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/12/2002	72.12	18.15	0	53.97	-0.84	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--	--	
1/14/2003	72.12	17.66	0	54.46	0.49	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/10/2003	72.12	17.86	0	54.26	-0.20	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	--	--	
2/4/2004	72.12	17.43	0	54.69	0.43	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/29/2004	72.12	18.12	0	54.00	-0.69	ND<50	ND<0.3	0.38	ND<0.3	ND<0.6	ND<1	ND<0.5	--	--	
3/2/2005	72.12	16.15	0	55.97	1.97	--	--	--	--	--	--	--	--	--	Sampled Q3 only
9/30/2005	72.12	18.04	0	54.08	-1.89	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	ND<0.50	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 23, 2010
Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	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
3/23/2006	72.12	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible due to gate; Sampled Q3 only
9/26/2006	72.12	17.90	0	54.22	--	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	ND<0.50	--	--	
3/15/2007	72.12	17.22	0	54.90	0.68	--	--	--	--	--	--	--	--	--	Sampled Q3 only
9/27/2007	72.12	18.49	0	53.63	-1.27	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	ND<0.50	--	--	
3/27/2008	72.12	17.57	0	54.55	0.92	--	--	--	--	--	--	--	--	--	Sampled Q3 only
9/17/2008	72.12	18.20	0	53.92	-0.63	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	ND<0.50	--	--	
3/27/2009	72.12	16.75	0	55.37	1.45	--	--	--	--	--	--	--	--	--	Sampled Q3 only
9/17/2009	72.12	18.18	0	53.94	-1.43	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	--	--	--	
3/23/2010	72.12	17.34	0	54.78	0.84	--	--	--	--	--	--	--	--	--	Sampled Q3 only
MW-2															
9/15/1989	--	--	--	--	--	290	ND	12	ND	ND	--	--	--	--	
1/23/1990	--	--	--	--	--	400	73	36	10	40	--	--	--	--	
4/19/1990	--	--	--	--	--	3900	550	5.1	91	390	--	--	--	--	
7/17/1990	--	--	--	--	--	490	76	0.59	11	46	--	--	--	--	
10/16/1990	--	--	--	--	--	1400	430	2.0	48	240	--	--	--	--	
1/15/1991	--	--	--	--	--	680	170	0.7	19	81	--	--	--	--	
4/12/1991	--	--	--	--	--	2200	160	4.3	23	62	--	--	--	--	
7/15/1991	--	--	--	--	--	2200	770	12	72	370	--	--	--	--	
10/15/1991	--	--	--	--	--	140	44	0.56	1.5	12	--	--	--	--	
1/15/1992	--	--	--	--	--	220	37	0.52	1.1	7	--	--	--	--	
4/14/1992	--	--	--	--	--	150	6.2	ND	ND	1.4	--	--	--	--	
7/14/1992	--	--	--	--	--	130	3.7	ND	ND	ND	--	--	--	--	
10/12/1992	--	--	--	--	--	370	3.4	0.56	ND	11	--	--	--	--	
1/8/1993	--	--	--	--	--	510	ND	ND	ND	ND	--	--	--	--	
4/13/1993	71.63	17.86	0	53.77	--	410	42	7.7	6.4	28	200	--	--	--	
7/14/1993	71.63	18.38	0	53.25	-0.52	110	6.5	ND	ND	1.1	250	--	--	--	
10/14/1993	71.38	18.20	0	53.18	-0.07	230	5.3	ND	ND	2.1	--	--	--	--	
1/12/1994	71.38	18.08	0	53.30	0.12	300	7.8	3.8	1.8	10	--	--	--	--	
4/9/1994	71.38	17.97	0	53.41	0.11	120	10	0.88	1.1	4.9	--	--	--	--	
4/11/1994	71.38	17.88	0	53.50	0.09	--	--	--	--	--	--	--	--	--	
7/7/1994	71.38	17.81	0	53.57	0.07	110	4.4	ND	ND	ND	--	--	--	--	
10/5/1994	71.38	18.33	0	53.05	-0.52	720	20	ND	ND	3.1	--	--	--	--	
1/9/1995	71.38	17.40	0	53.98	0.93	ND	ND	ND	ND	ND	--	--	--	--	
4/17/1995	71.38	17.50	0	53.88	-0.10	93	5.6	0.62	1.7	5.5	--	--	--	--	
7/19/1995	71.38	18.01	0	53.37	-0.51	77	32	0.58	1.7	4.1	--	--	--	--	
10/26/1995	71.38	18.21	0	53.17	-0.20	54	13	ND	ND	0.72	220	--	--	--	
1/16/1996	71.38	16.58	0	54.80	1.63	120	23	ND	ND	0.99	--	--	--	--	
4/15/1996	71.38	17.61	0	53.77	-1.03	340	21	ND	2.2	3.7	45	--	--	--	
7/11/1996	71.38	17.98	0	53.40	-0.37	540	34	ND	4.3	12	150	--	--	--	
1/17/1997	71.38	17.08	0	54.30	0.90	320	63	2.4	9.4	26	260	--	--	--	
7/21/1997	71.38	18.06	0	53.32	-0.98	160	13	ND	1.3	1.6	180	--	--	--	
1/14/1998	71.38	16.52	0	54.86	1.54	66	6.3	ND	ND	0.98	100	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 23, 2010
Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	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
7/6/1998	71.38	16.87	0	54.51	-0.35	ND	2.3	ND	ND	ND	11	--	--	--	
1/13/1999	71.38	17.88	0	53.50	-1.01	53	24	ND	0.52	0.98	120	--	--	--	
8/31/1999	71.34	18.45	0	52.89	-0.61	86	14	ND	0.63	ND	21	--	--	--	
1/21/2000	71.34	17.73	0	53.61	0.72	ND	1.94	ND	ND	ND	10.1	--	--	--	
7/10/2000	71.34	18.14	0	53.20	-0.41	ND	ND	ND	ND	ND	46.6	--	--	--	
1/4/2001	71.34	18.02	0	53.32	0.12	ND	0.925	ND	ND	ND	ND	--	--	--	
7/16/2001	71.34	18.02	0	53.32	0.00	ND	ND	ND	ND	ND	ND	--	--	--	
1/28/2002	71.34	17.57	0	53.77	0.45	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--	--	
7/12/2002	71.34	18.05	0	53.29	-0.48	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--	--	
1/14/2003	71.34	17.44	0	53.90	0.61	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	--	--	
7/10/2003	71.34	--	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
2/4/2004	71.34	17.22	0	54.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	--	--	
7/29/2004	71.34	--	--	--	--	--	--	--	--	--	--	--	--	--	Sampled Q3 only
3/2/2005	71.34	16.63	0	54.71	--	99	26	ND<0.50	3.5	2.8	ND<5.0	--	--	--	
9/30/2005	71.34	17.94	0	53.40	-1.31	ND<50	1.2	ND<0.30	ND<0.30	ND<0.60	1.6	--	--	--	
3/23/2006	71.34	16.74	0	54.60	1.20	ND<50	3.6	ND<0.30	0.35	ND<0.60	2.5	--	--	--	
9/26/2006	71.34	17.91	0	53.43	-1.17	ND<50	1.2	ND<0.30	ND<0.30	ND<0.60	ND<1.0	--	--	--	
3/15/2007	71.34	17.45	0	53.89	0.46	110	6.5	ND<0.30	0.70	ND<0.60	1.7	--	--	--	
9/27/2007	71.34	18.23	0	53.11	-0.78	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	--	--	--	
3/27/2008	71.34	17.77	0	53.57	0.46	ND<50	1.8	ND<0.30	ND<0.30	ND<0.60	1.3	--	--	--	
9/17/2008	71.34	18.06	0	53.28	-0.29	ND<50	1.6	ND<0.30	ND<0.30	ND<0.60	3.1	--	--	--	
3/27/2009	71.34	17.43	0	53.91	0.63	ND<50	3.5	ND<0.30	ND<0.30	ND<0.60	ND<1.0	--	--	--	
9/17/2009	71.34	18.01	0	53.33	-0.58	ND<50	2.7	ND<0.30	ND<0.30	ND<0.60	1.1	--	--	--	
3/23/2010	71.34	17.47	0	53.87	0.54	ND<50	0.68	ND<0.30	ND<0.30	ND<0.60	ND<1.0	--	--	--	
MW-3															
9/15/1989	--	--	--	--	--	32	ND	ND	ND	ND	--	--	--	--	
1/23/1990	--	--	--	--	--	450	110	1.2	4.4	11	--	--	--	--	
4/19/1990	--	--	--	--	--	3100	600	27	54	220	--	--	--	--	
7/17/1990	--	--	--	--	--	4000	270	48	130	250	--	--	--	--	
10/16/1990	--	--	--	--	--	740	210	1.4	2.5	82	--	--	--	--	
1/15/1991	--	--	--	--	--	3200	460	1.5	120	270	--	--	--	--	
4/12/1991	--	--	--	--	--	880	170	1.1	34	110	--	--	--	--	
7/15/1991	--	--	--	--	--	9200	1300	230	490	1900	--	--	--	--	
10/15/1991	--	--	--	--	--	3100	390	34	150	390	--	--	--	--	
1/15/1992	--	--	--	--	--	3000	590	14	310	750	--	--	--	--	
4/14/1992	--	--	--	--	--	14000	660	48	560	2000	--	--	--	--	
7/14/1992	--	--	--	--	--	21000	890	200	1200	4300	--	--	--	--	
10/12/1992	--	--	--	--	--	3200	160	10	230	540	--	--	--	--	
1/8/1993	--	--	--	--	--	1100	48	0.99	0.9	93	--	--	--	--	
4/13/1993	72.06	17.96	0	54.10	--	12000	290	38	760	2300	1400	--	--	--	
7/14/1993	72.06	18.54	0	53.52	-0.58	6300	190	ND	430	1000	860	--	--	--	
10/14/1993	71.86	18.45	0	53.41	-0.11	2500	52	ND	110	250	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 23, 2010
Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	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
1/12/1994	71.86	18.34	0	53.52	0.11	3800	78	ND	180	390	--	--	--	--	
4/9/1994	71.86	18.19	0	53.67	0.15	1800	22	ND	140	280	--	--	--	--	
4/11/1994	71.86	18.12	0	53.74	0.07	--	--	--	--	--	--	--	--	--	
7/7/1994	71.86	18.21	0	53.65	-0.09	110	4.5	ND	ND	ND	--	--	--	--	
10/5/1994	71.86	18.58	0	53.28	-0.37	ND	ND	ND	ND	ND	--	--	--	--	
1/9/1995	71.86	17.69	0	54.17	0.89	ND	0.68	ND	ND	ND	--	--	--	--	
4/17/1995	71.86	17.68	0	54.18	0.01	3700	80	10	270	510	--	--	--	--	
7/19/1995	71.86	18.20	0	53.66	-0.52	15000	330	27	990	2400	--	--	--	--	
10/26/1995	71.86	18.32	0	53.54	-0.12	14000	420	180	750	1600	4800	--	--	--	
1/16/1996	71.86	17.95	0	53.91	0.37	920	38	ND	30	57	--	--	--	--	
4/15/1996	71.86	17.78	0	54.08	0.17	9700	240	ND	570	860	3200	--	--	--	
7/11/1996	71.86	18.19	0	53.67	-0.41	13000	69	5.5	430	900	740	--	--	--	
1/17/1997	71.86	17.23	0	54.63	0.96	4400	25	ND	270	580	1600	--	--	--	
7/21/1997	71.86	18.29	0	53.57	-1.06	9000	36	ND	450	800	950	--	--	--	
1/14/1998	71.86	16.71	0	55.15	1.58	7100	40	ND	380	360	930	--	--	--	
7/6/1998	71.86	17.03	0	54.83	-0.32	6800	39	ND	320	360	370	--	--	--	
1/13/1999	71.86	18.00	0	53.86	-0.97	1800	9.4	ND	58	36	180	--	--	--	
8/31/1999	71.40	--	0	--	--	--	--	--	--	--	--	--	--	--	Well obstructed at 0.5 feet.
1/21/2000	71.40	17.58	0	53.82	--	ND	ND	ND	ND	ND	21.4	--	--	--	
7/10/2000	71.40	18.05	0	53.35	-0.47	ND	ND	ND	ND	ND	162	--	--	--	
8/25/2000	71.40	17.82	0	53.58	0.23	--	--	--	--	--	--	180	--	--	
1/4/2001	71.40	18.16	0	53.24	-0.34	ND	ND	ND	ND	ND	193	--	--	--	
7/16/2001	71.40	17.98	0	53.42	0.18	ND	ND	ND	ND	ND	660	--	--	--	
1/28/2002	71.40	17.84	0	53.56	0.14	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	34	--	--	--	
7/12/2002	71.40	17.87	0	53.53	-0.03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	11	19	--	--	
1/14/2003	71.40	17.28	0	54.12	0.59	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	12	--	--	--	
7/10/2003	71.40	17.64	0	53.76	-0.36	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	23	--	--	--	
2/4/2004	71.40	17.05	0	54.35	0.59	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	26	--	--	--	
7/29/2004	71.40	17.82	0	53.58	-0.77	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	--	--	--	
3/2/2005	71.40	16.47	0	54.93	1.35	93	ND<0.50	ND<0.50	ND<0.50	ND<0.50	140	--	--	--	
9/30/2005	71.40	17.79	0	53.61	-1.32	65	ND<0.30	ND<0.30	ND<0.30	ND<0.60	61	--	--	--	
3/23/2006	71.40	16.61	0	54.79	1.18	54	ND<0.30	0.41	ND<0.30	0.98	63	--	--	--	
9/26/2006	71.40	17.77	0	53.63	-1.16	51	ND<0.30	ND<0.30	ND<0.30	ND<0.60	41	--	--	--	
3/15/2007	71.40	17.27	0	54.13	0.50	140	ND<0.30	ND<0.30	ND<0.30	ND<0.60	110	--	--	--	
9/27/2007	71.40	18.48	0	52.92	-1.21	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	20	--	--	--	
3/27/2008	71.40	17.67	0	53.73	0.81	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	19	--	--	--	
9/17/2008	71.40	17.91	0	53.49	-0.24	56	ND<0.30	ND<0.30	ND<0.30	ND<0.60	43	--	--	--	
3/27/2009	71.40	17.34	0	54.06	0.57	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	15	--	--	--	
9/17/2009	71.40	17.88	0	53.52	-0.54	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	30	--	--	--	
3/23/2010	71.40	17.33	0	54.07	0.55	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	22	--	--	--	
MW-4															
9/15/1989	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 23, 2010
Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	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
1/23/1990	--	--	--	--	--	ND	ND	0.4	ND	ND	--	--	--	--	
4/19/1990	--	--	--	--	--	ND	ND	0.48	ND	ND	--	--	--	--	
7/17/1990	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	
10/16/1990	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	
1/15/1991	--	--	--	--	--	ND	ND	ND	--	ND	--	--	--	--	
4/12/1991	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	
7/15/1991	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	
7/14/1992	--	--	--	--	--	ND	1.3	2.5	ND	1.0	--	--	--	--	
4/13/1993	71.98	17.67	0	54.31	--	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/14/1993	71.98	18.31	0	53.67	-0.64	ND	ND	ND	ND	ND	--	--	--	--	
10/14/1993	71.64	18.08	0	53.56	-0.11	--	--	--	--	--	--	--	--	--	Sampled Q3 only
1/12/1994	71.64	17.97	0	53.67	0.11	--	--	--	--	--	--	--	--	--	Sampled Q3 only
4/11/1994	71.64	17.70	0	53.94	0.27	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/7/1994	71.64	17.80	0	53.84	-0.10	ND	ND	ND	ND	ND	--	--	--	--	
10/5/1994	71.64	18.28	0	53.36	-0.48	--	--	--	--	--	--	--	--	--	Sampled Q3 only
1/9/1995	71.64	17.38	0	54.26	0.90	--	--	--	--	--	--	--	--	--	Sampled Q3 only
4/17/1995	71.64	17.21	0	54.43	0.17	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/19/1995	71.64	17.82	0	53.82	-0.61	ND	ND	ND	ND	ND	--	--	--	--	
10/26/1995	71.64	18.17	0	53.47	-0.35	--	--	--	--	--	--	--	--	--	Sampled Q3 only
1/16/1996	71.64	16.45	0	55.19	1.72	--	--	--	--	--	--	--	--	--	Sampled Q3 only
4/15/1996	71.64	17.35	0	54.29	-0.90	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/11/1996	71.64	17.81	0	53.83	-0.46	ND	ND	ND	ND	ND	ND	--	--	--	
1/17/1997	71.64	16.73	0	54.91	1.08	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/21/1997	71.64	17.91	0	53.73	-1.18	ND	ND	ND	ND	ND	ND	--	--	--	
1/14/1998	71.64	16.18	0	55.46	1.73	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/6/1998	71.64	16.49	0	55.15	-0.31	ND	ND	ND	ND	ND	ND	--	--	--	
1/13/1999	71.64	17.29	0	54.35	-0.80	--	--	--	--	--	--	--	--	--	Sampled Q3 only
8/31/1999	71.54	--	0	--	--	--	--	--	--	--	--	--	--	--	Well obstructed at 10.4 feet.
1/21/2000	71.54	17.51	0	54.03	--	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/10/2000	71.54	17.93	0	53.61	-0.42	ND	ND	ND	ND	ND	ND	--	--	--	
1/4/2001	71.54	18.10	0	53.44	-0.17	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/16/2001	71.54	17.76	0	53.78	0.34	ND	ND	ND	ND	ND	ND	--	--	--	
1/28/2002	71.54	17.20	0	54.34	0.56	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/12/2002	71.54	17.81	0	53.73	-0.61	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--	--	
1/14/2003	71.54	17.30	0	54.24	0.51	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/10/2003	71.54	17.58	0	53.96	-0.28	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	--	--	
2/4/2004	71.54	17.07	0	54.47	0.51	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/29/2004	71.54	17.81	0	53.73	-0.74	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	--	--	--	
3/2/2005	71.54	16.25	0	55.29	1.56	--	--	--	--	--	--	--	--	--	Sampled Q3 only
9/30/2005	71.54	17.74	0	53.80	-1.49	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	--	--	--	
3/23/2006	71.54	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible due to gate; Sampled Q3 only
9/26/2006	71.54	17.71	0	53.83	--	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 23, 2010
Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	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
3/15/2007	71.54	17.56	0	53.98	0.15	--	--	--	--	--	--	--	--	--	Sampled Q3 only
9/27/2007	71.54	18.16	0	53.38	-0.60	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	--	--	--	
3/27/2008	71.54	17.58	0	53.96	0.58	--	--	--	--	--	--	--	--	--	Sampled Q3 only
9/17/2008	71.54	17.87	0	53.67	-0.29	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	--	--	--	
3/27/2009	71.54	17.17	0	54.37	0.70	--	--	--	--	--	--	--	--	--	Sampled Q3 only
9/17/2009	71.54	17.86	0	53.68	-0.69	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	--	--	--	
3/23/2010	71.54	17.25	0	54.29	0.61	--	--	--	--	--	--	--	--	--	Sampled Q3 only
MW-5															
11/30/1992	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	
1/8/1993	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	
4/13/1993	71.51	17.49	0	54.02	--	ND	ND	ND	ND	ND	--	--	--	--	
7/14/1993	71.51	18.02	0	53.49	-0.53	ND	ND	0.57	ND	ND	--	--	--	--	
10/14/1993	71.23	17.82	0	53.41	-0.08	ND	ND	ND	ND	ND	--	--	--	--	
1/12/1994	71.23	17.74	0	53.49	0.08	ND	ND	0.84	ND	1.6	--	--	--	--	
4/11/1994	71.23	17.56	0	53.67	0.18	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/7/1994	71.23	17.50	0	53.73	0.06	ND	ND	ND	ND	ND	--	--	--	--	
10/5/1994	71.23	17.98	0	53.25	-0.48	--	--	--	--	--	--	--	--	--	Sampled Q3 only
1/9/1995	71.23	17.13	0	54.10	0.85	--	--	--	--	--	--	--	--	--	Sampled Q3 only
4/17/1995	71.23	17.05	0	54.18	0.08	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/19/1995	71.23	17.59	0	53.64	-0.54	ND	ND	ND	ND	ND	--	--	--	--	
10/26/1995	71.23	18.10	0	53.13	-0.51	--	--	--	--	--	--	--	--	--	Sampled Q3 only
1/16/1996	71.23	17.11	0	54.12	0.99	--	--	--	--	--	--	--	--	--	Sampled Q3 only
4/15/1996	71.23	17.22	0	54.01	-0.11	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/11/1996	71.23	17.59	0	53.64	-0.37	ND	ND	ND	ND	ND	ND	--	--	--	
1/17/1997	71.23	16.75	0	54.48	0.84	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/21/1997	71.23	17.59	0	53.64	-0.84	ND	ND	ND	ND	ND	ND	--	--	--	
1/14/1998	71.23	16.16	0	55.07	1.43	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/6/1998	71.23	16.52	0	54.71	-0.36	ND	ND	ND	ND	ND	ND	--	--	--	
1/13/1999	71.23	17.62	0	53.61	-1.10	--	--	--	--	--	--	--	--	--	Sampled Q3 only
8/31/1999	71.16	17.76	0	53.40	-0.21	ND	ND	ND	ND	ND	ND	--	--	--	
1/21/2000	71.16	16.83	0	54.33	0.93	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/10/2000	71.16	17.46	0	53.70	-0.63	ND	ND	ND	ND	ND	ND	--	--	--	
1/4/2001	71.16	17.51	0	53.65	-0.05	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/16/2001	71.16	17.32	0	53.84	0.19	ND	ND	ND	ND	ND	ND	--	--	--	
1/28/2002	71.16	17.12	0	54.04	0.20	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/12/2002	71.16	17.12	0	54.04	0.00	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--	--	
1/14/2003	71.16	16.67	0	54.49	0.45	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/10/2003	71.16	17.39	0	53.77	-0.72	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	--	--	
2/4/2004	71.16	16.23	0	54.93	1.16	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/29/2004	71.16	16.02	0	55.14	0.21	ND<50	ND<0.3	0.64	ND<0.3	0.79	ND<1	--	--	--	
3/2/2005	71.16	16.43	0	54.73	-0.41	--	--	--	--	--	--	--	--	--	Sampled Q3 only
9/30/2005	71.16	17.41	0	53.75	-0.98	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 23, 2010
Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	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
3/23/2006	71.16	16.37	0	54.79	1.04	--	--	--	--	--	--	--	--	--	Sampled Q3 only
9/26/2006	71.16	15.54	0	55.62	0.83	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	--	--	--	
3/15/2007	71.16	17.20	0	53.96	-1.66	--	--	--	--	--	--	--	--	--	Sampled Q3 only
9/27/2007	71.16	18.01	0	53.15	-0.81	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	--	--	--	
3/27/2008	71.16	17.57	0	53.59	0.44	--	--	--	--	--	--	--	--	--	Sampled Q3 only
9/17/2008	71.16	17.68	0	53.48	-0.11	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	--	--	--	
3/27/2009	71.16	17.14	0	54.02	0.54	--	--	--	--	--	--	--	--	--	Sampled Q3 only
9/17/2009	71.16	17.60	0	53.56	-0.46	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	--	--	--	
3/23/2010	71.16	17.84	0	53.32	-0.24	--	--	--	--	--	--	--	--	--	Sampled Q3 only
MW-6															
11/30/1992	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	
1/8/1993	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	
4/13/1993	71.79	11.94	0	59.85	--	ND	ND	ND	ND	ND	--	--	--	--	
7/14/1993	71.79	17.20	0	54.59	-5.26	ND	0.99	2.4	ND	1.9	--	--	--	--	
10/14/1993	71.44	17.21	0	54.23	-0.36	ND	ND	0.64	ND	ND	--	--	--	--	
1/12/1994	71.44	17.44	0	54.00	-0.23	ND	ND	1.2	ND	2.9	--	--	--	--	
4/11/1994	71.44	13.66	0	57.78	3.78	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/7/1994	71.44	14.05	0	57.39	-0.39	ND	ND	ND	ND	ND	--	--	--	--	
10/5/1994	71.44	14.16	0	57.28	-0.11	--	--	--	--	--	--	--	--	--	Sampled Q3 only
1/9/1995	71.44	13.73	0	57.71	0.43	--	--	--	--	--	--	--	--	--	Sampled Q3 only
4/17/1995	71.44	11.30	0	60.14	2.43	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/19/1995	71.44	12.32	0	59.12	-1.02	ND	ND	ND	ND	ND	--	--	--	--	
10/26/1995	71.44	17.88	0	53.56	-5.56	--	--	--	--	--	--	--	--	--	Sampled Q3 only
1/16/1996	71.44	16.38	0	55.06	1.50	--	--	--	--	--	--	--	--	--	Sampled Q3 only
4/15/1996	71.44	14.00	0	57.44	2.38	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/11/1996	71.44	13.58	0	57.86	0.42	ND	ND	ND	ND	ND	ND	--	--	--	
1/17/1997	71.44	15.42	0	56.02	-1.84	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/21/1997	71.44	13.78	0	57.66	1.64	ND	ND	ND	ND	ND	ND	--	--	--	
1/14/1998	71.44	13.65	0	57.79	0.13	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/6/1998	71.44	13.90	0	57.54	-0.25	ND	ND	ND	ND	ND	ND	--	--	--	
1/13/1999	71.44	14.93	0	56.51	-1.03	--	--	--	--	--	--	--	--	--	Sampled Q3 only
8/31/1999	71.37	15.81	0	55.56	-0.95	ND	ND	ND	ND	ND	ND	--	--	--	
1/21/2000	71.37	16.13	0	55.24	-0.32	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/10/2000	71.37	16.95	0	54.42	-0.82	ND	ND	ND	ND	ND	ND	--	--	--	
1/4/2001	71.37	17.09	0	54.28	-0.14	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/16/2001	71.37	16.83	0	54.54	0.26	ND	ND	ND	ND	ND	ND	--	--	--	
1/28/2002	71.37	14.58	0	56.79	2.25	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/12/2002	71.37	16.76	0	54.61	-2.18	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--	--	
1/14/2003	71.37	16.25	0	55.12	0.51	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/10/2003	71.37	12.97	0	58.40	3.28	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	--	--	
2/4/2004	71.37	16.20	0	55.17	-3.23	--	--	--	--	--	--	--	--	--	Sampled Q3 only
7/29/2004	71.37	14.98	0	56.39	1.22	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.6	1.3	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 23, 2010
Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	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
3/2/2005	71.37	14.51	0	56.86	0.47	--	--	--	--	--	--	--	--	--	Sampled Q3 only
9/30/2005	71.37	14.45	0	56.92	0.06	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	1.7	--	--	--	
3/23/2006	71.37	16.55	0	54.82	-2.10	--	--	--	--	--	--	--	--	--	Sampled Q3 only
9/26/2006	71.37	17.58	0	53.79	-1.03	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	--	--	--	
3/15/2007	71.37	13.72	0	57.65	3.86	--	--	--	--	--	--	--	--	--	Sampled Q3 only
9/27/2007	71.37	14.18	0	57.19	-0.46	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	--	--	--	
3/27/2008	71.37	14.83	0	56.54	-0.65	--	--	--	--	--	--	--	--	--	Sampled Q3 only
9/17/2008	71.37	14.70	0	56.67	0.13	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	2.8	--	--	--	
3/27/2009	71.37	15.66	0	55.71	-0.96	--	--	--	--	--	--	--	--	--	Sampled Q3 only
9/17/2009	71.37	15.31	0	56.06	0.35	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	--	--	--	
3/23/2010	71.37	15.42	0	55.95	-0.11	--	--	--	--	--	--	--	--	--	Sampled Q3 only

Table 2a
ADDITIONAL HISTORIC ANALYTICAL RESULTS

Former 76 Station 3538

Date Sampled	TPH-D (µg/l)	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)	Total Oil and Grease (mg/l)	Bromo-dichloro-methane (µg/l)	Bromo-form (µg/l)	Bromo-methane (µg/l)	Comments
MW-1													
9/15/1989	ND	--	--	--	--	--	--	--	ND	--	--	--	
1/23/1990	ND	--	--	--	--	--	--	--	1.5	--	--	--	
4/19/1990	ND	--	--	--	--	--	--	--	ND	--	--	--	
7/17/1990	ND	--	--	--	--	--	--	--	ND	--	--	--	
10/16/1990	ND	--	--	--	--	--	--	--	ND	--	--	--	
1/15/1991	ND	--	--	--	--	--	--	--	ND	--	--	--	
4/12/1991	ND	--	--	--	--	--	--	--	ND	--	--	--	
7/15/1991	ND	--	--	--	--	--	--	--	ND	--	--	--	
7/14/1992	--	--	--	--	--	--	--	--	--	--	--	--	
7/14/1993	--	--	--	--	--	--	--	--	--	--	--	--	
7/7/1994	--	--	--	--	--	--	--	--	--	--	--	--	
7/19/1995	--	--	--	--	--	--	--	--	--	--	--	--	
7/11/1996	--	--	--	--	--	--	--	--	--	--	--	--	
7/21/1997	--	--	--	--	--	--	--	--	--	--	--	--	
8/31/1999	--	--	--	--	--	--	--	--	--	--	--	--	
7/16/2001	--	--	--	--	--	--	--	--	--	1.7	--	--	
7/12/2002	--	--	--	--	--	--	--	--	--	--	--	--	
7/10/2003	--	--	--	--	--	--	--	--	--	--	--	--	
7/29/2004	--	--	--	--	ND<0.5	--	--	--	--	ND<0.5	ND<0.5	ND<1	
9/30/2005	--	--	--	--	ND<0.50	--	--	--	--	ND<0.50	ND<0.50	ND<1.0	
9/26/2006	--	--	--	--	ND<0.50	--	--	--	--	ND<0.50	ND<0.50	ND<1.0	
9/27/2007	--	--	--	--	ND<0.50	--	--	--	--	ND<0.50	ND<0.50	ND<1.0	
9/17/2008	--	--	--	--	ND<0.50	--	--	--	--	ND<0.50	ND<0.50	ND<1.0	
MW-3													
8/25/2000	--	ND	--	ND	ND	ND	ND	ND	--	--	--	--	
7/12/2002	--	ND<20	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	

Table 2b
ADDITIONAL HISTORIC ANALYTICAL RESULTS

Former 76 Station 3538

Date Sampled	Carbon Tetra-chloride (µg/l)	Chloro-benzene (µg/l)	Chloro-ethane (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)	Dichloro-difluoro-methane (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	Comments
MW-1													
9/15/1989	--	--	--	--	--	--	--	--	--	--	--	--	
1/23/1990	--	--	--	--	--	--	--	--	--	--	--	--	
4/19/1990	--	--	--	--	--	--	--	--	--	--	--	--	
7/17/1990	--	--	--	--	--	--	--	--	--	--	--	--	
10/16/1990	--	--	--	--	--	--	--	--	--	--	--	--	
1/15/1991	--	--	--	--	--	--	--	--	--	--	--	--	
4/12/1991	--	--	--	--	--	--	--	--	--	--	--	--	
7/15/1991	--	--	--	--	--	--	--	--	--	--	--	--	
7/14/1992	--	--	--	--	--	--	--	--	--	--	--	--	
7/14/1993	--	--	--	--	--	--	--	--	--	--	--	--	
7/7/1994	--	--	--	--	--	--	--	--	--	--	--	--	
7/19/1995	--	--	--	--	--	--	--	--	--	--	--	--	
7/11/1996	--	--	--	0.96	--	--	--	--	--	--	--	--	
7/21/1997	--	--	--	1.0	--	--	--	--	--	--	--	--	
8/31/1999	--	--	--	--	--	--	--	--	--	--	--	--	
7/16/2001	--	--	--	45	--	--	--	--	--	--	--	--	
7/12/2002	--	--	--	--	--	--	--	--	--	--	--	1.8	
7/10/2003	--	--	--	--	--	--	--	--	--	--	--	0.89	
7/29/2004	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2	
9/30/2005	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	ND<0.50	ND<0.50	0.52	
9/26/2006	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<0.50	ND<0.50	ND<0.50	0.60	
9/27/2007	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<0.50	ND<0.50	ND<0.50	ND<0.50	
9/17/2008	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<0.50	ND<0.50	ND<0.50	ND<0.50	
MW-3													
8/25/2000	--	--	--	--	--	--	--	--	--	--	--	--	
7/12/2002	--	--	--	--	--	--	--	--	--	--	--	--	

Table 2c
ADDITIONAL HISTORIC ANALYTICAL RESULTS

Former 76 Station 3538

Date Sampled	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)	1,1,1-Trichloro-ethane (µg/l)	1,1,2-Trichloro-ethane (µg/l)	Trichloro-ethene (TCE) (µg/l)	Comments
MW-1													
9/15/1989	--	--	--	--	--	--	--	2.7	--	--	--	--	
1/23/1990	--	--	--	--	--	--	--	2.1	--	--	--	--	
4/19/1990	--	--	--	--	--	--	--	2.2	--	--	--	--	
7/17/1990	--	--	--	--	--	--	--	1.7	--	--	--	--	
10/16/1990	--	--	--	--	--	--	--	2.0	--	--	--	--	
1/15/1991	--	--	--	--	--	--	--	2.1	--	--	--	--	
4/12/1991	--	--	--	--	--	--	--	2.0	--	--	--	--	
7/15/1991	--	--	--	--	--	--	--	1.8	--	--	--	--	
7/14/1992	--	--	--	--	--	--	--	1.4	--	--	--	--	
7/14/1993	--	--	--	--	--	--	--	0.95	--	--	--	--	
7/7/1994	--	--	--	--	--	--	--	0.83	--	--	--	--	
7/19/1995	--	--	--	--	--	--	--	0.52	--	--	--	--	
7/11/1996	--	--	--	--	--	--	--	0.73	--	--	--	--	
7/21/1997	--	--	--	--	--	--	--	0.70	--	--	--	--	
8/31/1999	--	--	--	--	--	--	--	ND	--	--	--	--	
7/16/2001	--	--	--	--	--	--	--	ND	--	--	--	--	
7/12/2002	--	--	--	--	--	--	--	ND<0.60	--	--	--	--	
7/10/2003	--	--	--	--	--	--	--	ND<0.50	--	--	--	--	
7/29/2004	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	13	ND<0.5	ND<0.5	ND<0.5	
9/30/2005	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	9.1	ND<0.50	ND<0.50	ND<0.50	
9/26/2006	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	7.0	ND<0.50	ND<0.50	ND<0.50	
9/27/2007	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	4.3	ND<0.50	ND<0.50	ND<0.50	
9/17/2008	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	5.4	ND<0.50	ND<0.50	ND<0.50	
MW-3													
8/25/2000	--	--	--	--	--	--	--	--	--	--	--	--	
7/12/2002	--	--	--	--	--	--	--	--	--	--	--	--	

Table 2d
ADDITIONAL HISTORIC ANALYTICAL RESULTS

Former 76 Station 3538

Date Sampled	Trichloro-fluoro-methane (µg/l)	Vinyl chloride (µg/l)	Comments
MW-1			
9/15/1989	--	--	
1/23/1990	--	--	
4/19/1990	--	--	
7/17/1990	--	--	
10/16/1990	--	--	
1/15/1991	--	--	
4/12/1991	--	--	
7/15/1991	--	--	
7/14/1992	--	--	
7/14/1993	--	--	
7/7/1994	--	--	
7/19/1995	--	--	
7/11/1996	--	--	
7/21/1997	--	--	
8/31/1999	--	--	
7/16/2001	--	--	
7/12/2002	--	--	
7/10/2003	--	--	
7/29/2004	ND<0.5	ND<0.5	
9/30/2005	ND<0.50	ND<0.50	
9/26/2006	ND<0.50	ND<0.50	
9/27/2007	ND<0.50	ND<0.50	
9/17/2008	ND<0.50	ND<0.50	
MW-3			
8/25/2000	--	--	
7/12/2002	--	--	