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& ASSOCIATES**

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Alameda County  
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5900 Hollis Street, Suite A, Emeryville, California 94608  
Telephone: 510-420-0700 Facsimile: 510-420-9170  
www.CRAworld.com

July 25, 2008

Ms. Barbara Jakub  
Alameda County Health Care Services Agency  
Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502

Re: **Groundwater Monitoring Report – Second Quarter 2008**  
1137-1167 65<sup>th</sup> Street, Oakland, California 94608  
CRA Project No. 521000  
Fuel Leak Case No. RO0000082

Dear Ms. Jakub:

On behalf of the Mr. John Nady (Nady), Conestoga-Rovers & Associates, Inc. (CRA) is submitting this *Groundwater Monitoring Report – Second Quarter 2008*. Presented in this report is a summary of the field activities and results from the second quarter 2008 groundwater monitoring event. In addition, this report contains recommendations for third quarter 2008 activities.

If you have any questions, please call me at (510) 420-3307.

Sincerely,  
**Conestoga-Rovers & Associates, Inc.**

Mark Jonas, P.G.  
Senior Project Manager

Attachment: Groundwater Monitoring Report – Second Quarter 2008

cc: Mr. Frederic Schrag, 6701 Shellmound Street, Emeryville, California 94608 (1 copy + PDF via e-mail)

To the best of my knowledge, I have no argument or disagreement with the contents of this report.

Nady Trust U/D/T dated 1/21/1997

  
\_\_\_\_\_  
John Nady, trustee

2Q08 Nady QMR 521000.doc

Equal  
Employment  
Opportunity Employer



**CONESTOGA-ROVERS  
& ASSOCIATES**

## GROUNDWATER MONITORING REPORT – SECOND QUARTER 2008

1137-1167 65<sup>th</sup> Street  
Oakland, California 94608  
CRA Project No. 521000  
Fuel Leak Case No. RO0000082

July 25, 2008

*Prepared for Submittal to:*

Alameda County Health Care Services Agency  
Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502

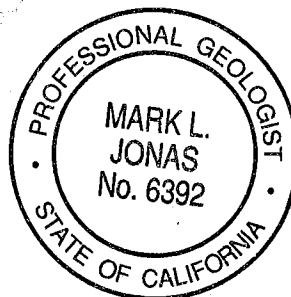
*Prepared by:*

Conestoga-Rovers & Associates, Inc.  
5900 Hollis Street, Suite A  
Emeryville, California 94608

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John A. Miller  
Staff Geologist

Mark Jonas, P.G. #6392  
Senior Project Manager





**CONESTOGA-ROVERS  
& ASSOCIATES**

## **GROUNDWATER MONITORING REPORT – SECOND QUARTER 2008**

**1137-1167 65<sup>th</sup> Street  
Oakland, California 94608  
CRA Project No. 521000  
Fuel Leak Case No. RO0000082**

**July 25, 2008**

### **INTRODUCTION**

This report describes the second quarter 2008 groundwater monitoring activities performed at 1137-1167 65<sup>th</sup> Street, Oakland, California (Figure 1). This groundwater monitoring event was conducted at the direction of the Alameda County Health Care Services Agency, Environmental Health Division (ACEH). This report presents a summary of the monitoring activities and results from the second quarter 2008 monitoring event. In addition, this report contains recommendations for third quarter 2008 activities.

### **MONITORING ACTIVITIES**

CRA coordinated with Muskan Environmental Sampling (MES) to perform quarterly groundwater monitoring activities at the site. On June 9, 2008, MES measured groundwater levels in all thirteen monitoring wells and collected groundwater samples from nine of the thirteen wells. As recommended in the *Groundwater Monitoring Report – Fourth Quarter 2005* and approved by Mr. Barney Chan of ACEH, the sampling and analysis are as follows:

- Total petroleum hydrocarbons as diesel (TPHd), gasoline (TPHg), motor oil (TPHmo), and stoddard solvent (TPHss), and benzene, toluene, ethylbenzene, and total xylenes (BTEX) are analyzed in groundwater samples collected from monitoring wells MW-1A, MW-2A, MW-3A, MW-4A, MW-6A, MW-7A, and MW-6B.
- Halogenated volatile organic compounds (HVOCs) are analyzed in groundwater samples collected from monitoring wells MW-1A, MW-3A, MW-6A, MW-7A, MW-1B, MW-6B, and MW-6C.
- It is not necessary to analyze groundwater samples for methyl tertiary butyl ether (MTBE).
- Monitoring wells MW-4B, MW-5B, MW-1C, and MW-4C are no longer sampled.



**Water Level Measurements:** Depth to groundwater measurements were recorded to the nearest 0.01-foot, relative to a previously established reference elevation. Measurements were collected using an electric, conductance-actuated well sounder. Copies of the field data sheets are included as Appendix A. The groundwater level measurement data are summarized in Table 2.

**Groundwater Sampling:** MES collected groundwater samples from wells MW-1A, MW-2A, MW-3A, MW-4A, MW-6A, MW-7A, MW-1B, MW-6B, and MW-6C.

Prior to sampling, the wells were purged to remove standing water in the well casing and annulus to promote inflow of representative groundwater from the surrounding formation. Each well was purged using a new disposable bailer, pre-cleaned poly vinyl chloride (PVC) bailer, or disposable tubing with a check valve. Field measurements of pH, specific conductance, and temperature of purged groundwater were measured after extraction of each successive casing volume. Casing volumes were calculated based on well diameter and height of the water column. Typically, purging continued until at least three casing volumes are extracted and consecutive pH, specific conductance, and temperature measurements appeared to stabilize. Water quality field measurements, purge volumes and sample collection data were recorded on field sampling data forms (Appendix A).

To minimize the potential for cross-contamination, groundwater monitoring equipment was decontaminated prior to being used in the first monitoring well and between successive wells. Groundwater samples were collected from each of the wells using clean disposable bailers or disposable tubing with a check valve. The samples were decanted from the bailers into 1-liter (L) amber glass containers and/or 40-milliliter (mL) glass volatile organic analysis (VOA) vials, both supplied by McCampbell Analytical, Inc. (McCampbell) of Pittsburg, California. Sample containers were labeled and placed in a cooler chilled with water-based ice, for temporary storage and transport. A chain-of-custody record was maintained (Appendix B).

Groundwater samples were analyzed for TPHd, TPHmo, TPHss, and TPHg by modified United States Environmental Protection Agency (EPA) Method SW8015C. BTEX were analyzed by EPA Method SW8021B. Samples were also analyzed for HVOCs by EPA Method SW8260B, but only reported for the EPA Method 8010 basic target list. Samples marked for TPHd and TPHmo analysis were subjected to silica gel cleanup prior to analysis. The laboratory analytical report is included in Appendix B. Analytical results are summarized on Figures 2, 3, and 4 and presented in Tables 2 and 3.



**Waste Disposal:** Approximately 47 gallons of purge water was generated during this quarter's monitoring event. This waste water is stored in sealed Department of Transportation (DOT) approved 55 gallon drums and temporarily left on site for eventual transport and disposal.

## RESULTS

**Groundwater Flow Direction and Gradient:** Depth-to-water measurements collected from thirteen wells on June 9, 2008 ranged from 3.22 to 9.42 feet (ft) below top of casing (TOC). Groundwater elevations were calculated by subtracting the depth-to-water measurements from the surveyed TOC elevations. The groundwater elevations for A, B, and C water-bearing zones were each plotted and contoured on Figures 2, 3, and 4, respectively. The A-zone is defined as the first encountered groundwater bearing zone from approximately 3.5 feet below ground surface (ft bgs) to 12 ft bgs. A-zone monitoring wells are MW-1A, MW-2A, MW-3A, MW-4A, MW-6A, and MW-7A. The groundwater flow direction in the A-zone was southwest with a gradient of approximately 0.03 feet per foot (ft/ft) (Figure 2). The B-zone is defined as the second encountered groundwater bearing zone from approximately 13 ft bgs to 24 ft bgs. B-zone monitoring wells are MW-1B, MW-4B, MW-5B, and MW-6B. The groundwater flow direction in the B-zone was southwest with a gradient of approximately 0.03 ft/ft (Figure 3). The C-zone is defined as the third encountered groundwater bearing zone from approximately 25 ft bgs to 46 ft bgs. C-zone monitoring wells are MW-1C, MW-4C, and MW-6C. The groundwater flow direction in the C-zone was west-southwest with a gradient of approximately 0.007 ft/ft (Figure 4). Rose diagrams depicting historical groundwater flow directions for the A, B, and C-zones are presented on the figures. The groundwater flow direction and gradient in the A-zone, B-zone, and C-zone are generally consistent with historical results. Depth-to-water and groundwater elevation data are presented in Tables 2 and 3.

**Chemicals Detected in A-Zone Groundwater:** During this monitoring event, groundwater samples from A-zone monitoring wells MW-1A, MW-2A, MW-3A, MW-4A, MW-6A, and MW-7A were analyzed for petroleum hydrocarbons. Groundwater from A-zone monitoring wells MW-1A, MW-3A, MW-6A, and MW-7A were analyzed for HVOCs.

Petroleum hydrocarbons were detected in all six A-zone monitoring wells sampled. TPHd concentrations ranged from 66 micrograms per liter ( $\mu\text{g/L}$ ) to 150,000  $\mu\text{g/L}$ . The highest TPHd concentration was detected in MW-7A. TPHg concentrations ranged from 180  $\mu\text{g/L}$  to 35,000  $\mu\text{g/L}$  with the highest concentration detected in MW-7A. TPHmo was only detected at or above the laboratory reporting limit in well MW-6A at 290 $\mu\text{g/L}$ . TPHss concentrations ranged from 180  $\mu\text{g/L}$  to 68,000  $\mu\text{g/L}$ . The highest TPHss was detected in well MW-7A.



Toluene was detected in well MW-4A at a concentration of 0.94 µg/L. Ethylbenzene was detected in well MW-1A at a concentration of 3.4 µg/L. Xylenes concentrations ranged from 1.5 µg/L to 8.1 µg/L. The highest xylene concentration was detected in well MW-1A. No benzene was detected in any of the A-zone wells.

HVOCs were detected in all four of the A-zone monitoring wells sampled. The HVOC detections were as follows:

- Tetrachloroethene (PCE), Trichloroethene (TCE), , cis-1,2-Dichloroethene (cis-1,2-DCE), trans-1,2-Dichloroethene (trans-1,2-DCE), 1,1-Dichloroethane (1,1-DCA), and Vinyl Chloride concentrations were detected in well MW-1A at a concentration of 11 µg/L, 9.0 µg/L, 11 µg/L, 1.1 µg/L, 1.8 µg/L, and 2.4 µg/L, respectively.
- 1,2-Dichlorobenzene, chlorobenzene, and 1,4 dichlorobenzene were the only HVOCs detected within well MW-3A at concentrations of 22 µg/L, 98 µg/L, and 6.2 µg/L, respectively.
- No other HVOCs were detected in A-zone wells. A-zone groundwater analytical data and water level data are presented in Tables 2 and 3, and summarized on Figure 2.

***Chemicals Detected in B-Zone Groundwater:*** During the second quarter 2008, groundwater samples from B-zone monitoring well MW-6B were analyzed for petroleum hydrocarbons by EPA Methods SW8015C and SW8021B, and wells MW-1B and MW-6B were analyzed for HVOCs.

- TPHd, TPHg, and TPHss were detected in well MW-6B at concentrations of 81,000 µg/L, 9,500 µg/L, and 20,000 µg/L, respectively.
- No benzene, toluene, ethylbenzene, or xylenes were detected at or above the laboratory detection limits for well MW-6B.
- The following HVOCs were detected in well MW-1B: 11.0 µg/L cis-1,2-DCE, 8.9 µg/L 1,1-DCA, and 5.3 µg/L 1,2-DCA.



- Within well MW-6B, the only HVOCs detected were chloroethane and cis-1,2-Dichloroethene, at concentrations of 1.8 µg/L and 2.5 µg/L. B-zone groundwater analytical data and water level data are presented in Tables 2 and 3, and summarized on Figure 3.

**Chemicals Detected in C-Zone Groundwater:** No C-zone wells were sampled for petroleum hydrocarbons. Only C-zone well MW-6C was sampled and analyzed for HVOCs.

- The following HVOCs were detected in well MW-6C: 4.5 µg/L PCE, 5.5 µg/L TCE, 23 µg/L cis-1,2-DCE, 0.72 µg/L trans-1,2-DCE, 0.71 µg/L 1,1-DCA, and 3.5 µg/L vinyl chloride.
- No other HVOCs were detected in well MW-6C. C-zone groundwater analytical data and water level data are presented in Tables 2 and 3, and summarized on Figure 4.

## **GEOTRACKER SUBMITTALS**

CRA uploaded second quarter 2008 groundwater depth data, analytical results, and this report to the State's GeoTracker database on behalf of Nady.

## **RECOMMENDED THIRD QUARTER 2008 ACTIVITIES**

### **Groundwater Monitoring**

A quarterly groundwater monitoring event will occur during the third quarter 2008. If the July 1, 2008 *Groundwater Monitoring Work Plan* is approved by ACEH, we will perform the scope of work as presented in this Work Plan. If this Work Plan is not approved, the following scope of work will be maintained:

Monitoring activities shall include gauging groundwater depths in the thirteen site monitoring wells to determine groundwater flow patterns. Groundwater sampling and analysis shall include monitoring wells MW-1A, MW-2A, MW-3A, MW-4A, MW-6A, MW-7A, and MW-6B for petroleum hydrocarbons (TPHg, TPHd, TPHmo, TPHss, and BTEX) and wells MW-1A, MW-3A, MW-6A, MW-7A, MW-1B, MW-6B, and MW-6C for (8010 basic target list) HVOCs.

A report will be prepared detailing the activities and findings of the third quarter 2008 event to be submitted to ACEH. Groundwater analytical, well gauging data and groundwater monitoring report will



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Groundwater Monitoring Report – Second Quarter 2008  
1137-1167 65<sup>th</sup> Street, Oakland  
July 25, 2008

be uploaded to GeoTracker. The third quarter 2008 groundwater monitoring report will be submitted via ACEH's file transfer protocol (ftp) site and notification will be sent to Ms. Jakub by e-mail.

### **Modification of Groundwater Monitoring**

On July 1, 2008, a *Groundwater Monitoring Work Plan* was submitted to ACEH for consideration. As soon as we receive approval from ACEH, we can implement the scope of work.

### **Site Characterization**

On July 1, 2008, an *Additional Site Characterization Work Plan* was submitted to ACEH for consideration. As soon as we receive approval from ACEH, we can implement the scope of work.

### **ATTACHMENTS**

Figure 1 – Vicinity Map

Figure 2 – Groundwater Flow and Chemical Concentrations – A Zone

Figure 3 – Groundwater Flow and Chemical Concentrations – B Zone

Figure 4 – Groundwater Flow and Chemical Concentrations – C Zone

Table 1 – Well Construction Details

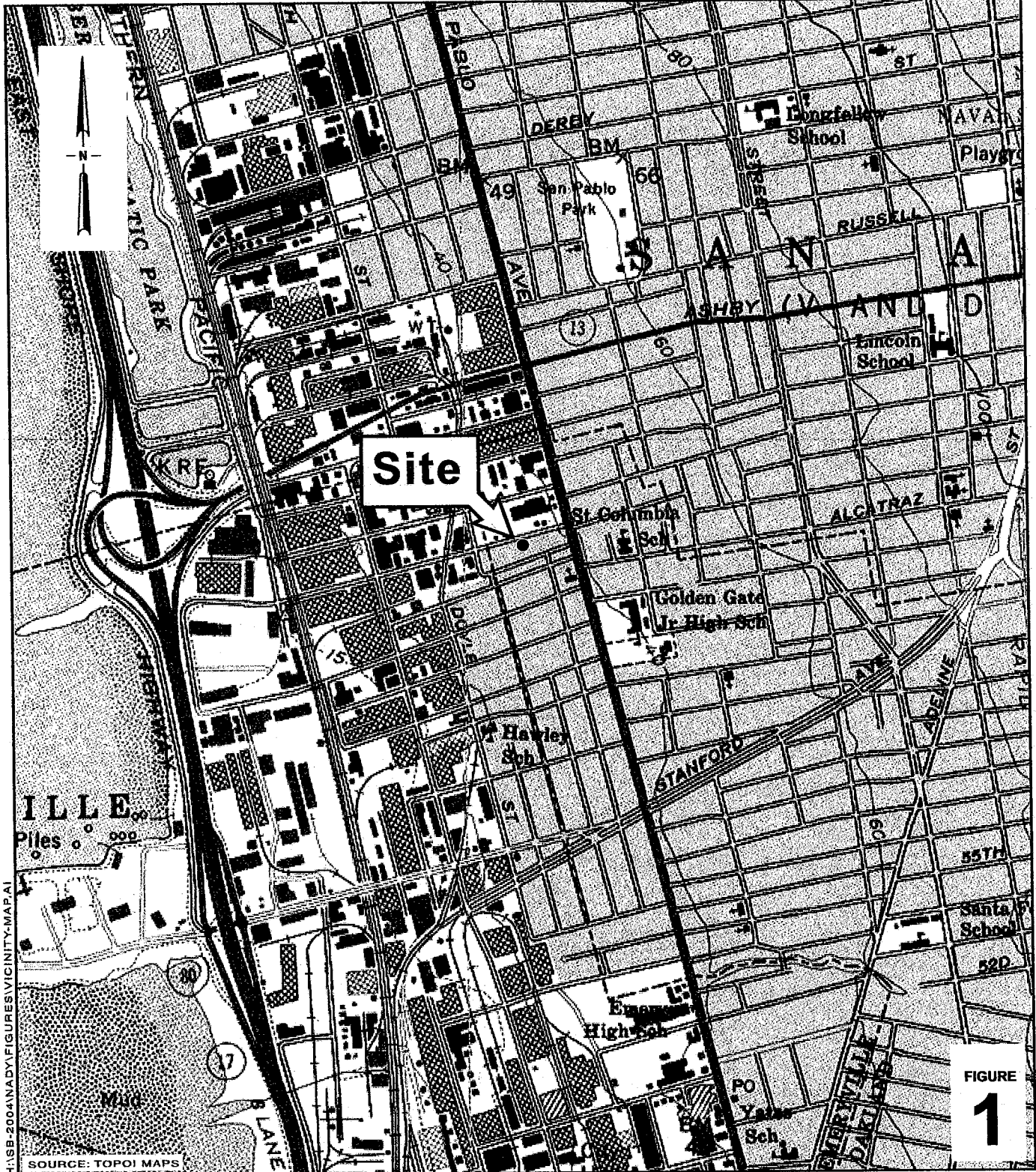
Table 2 – Monitoring Well Groundwater Analytical Results: Petroleum Hydrocarbons

Table 3 – Monitoring Well Groundwater Analytical Results: Halogenated Volatile Organic  
Compounds

Appendix A – Field Data Sheets

Appendix B – Laboratory Analytical Report





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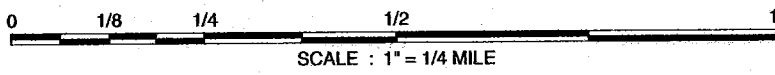


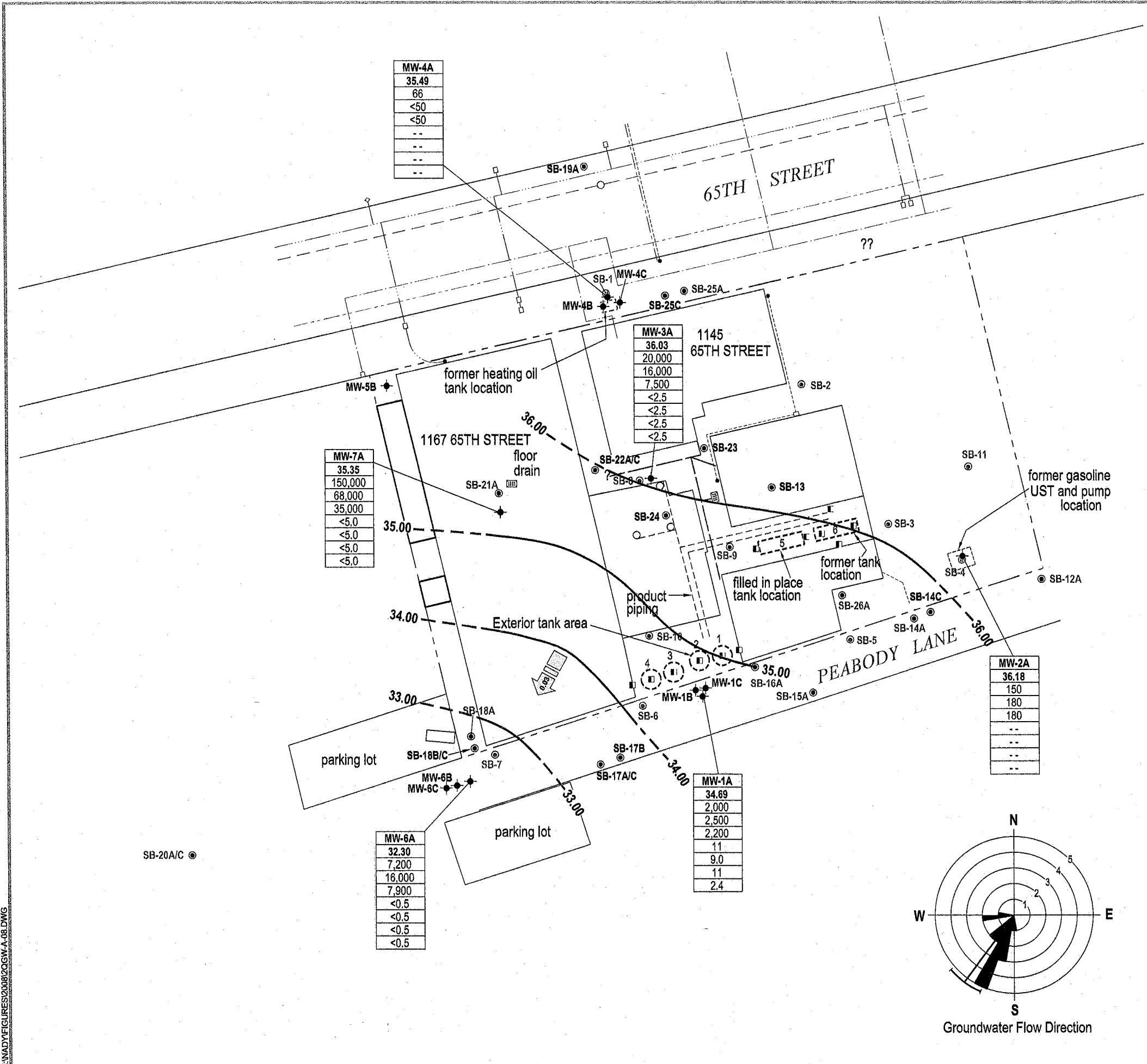
FIGURE  
**1**



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& ASSOCIATES**

**Vicinity Map**

1137 - 1167 65th Street  
Oakland, California



### EXPLANATION

- MW-1A ◆ CRA monitoring well location
- SB-12 ● CRA soil boring location
- SB-1 ○ CRA soil boring/temporary well location
- SCI soil sample location
- 1 ○ Former tank location and tank nomenclature
- - - Product piping
- Product piping stub-ups
- - - Electrical line
- - - Storm drain
- - - Sanitary sewer line
- - - Water line
- - - Gas line
- - - Communications line
- 36.00 — Groundwater elevation contour line in feet above mean sea level (MSL), dashed where inferred
- ← 0.02 Groundwater flow direction and gradient
- - - Not analyzed

Well ID	ELEV.	TPHd	TPHss	TPHg	PCE	TCE	cis-1,2-DCE	Vinyl Chloride

Monitoring Well Designation  
 Groundwater elevation in feet above mean sea level (MSL)  
 Concentrations in groundwater in micrograms per liter (µg/L)

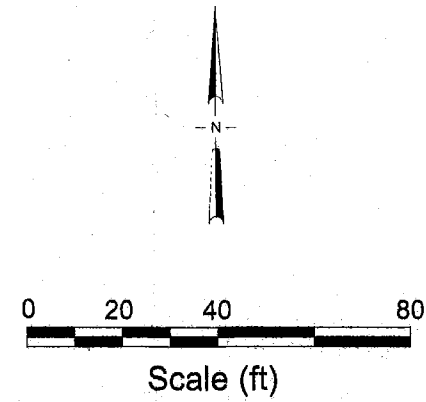
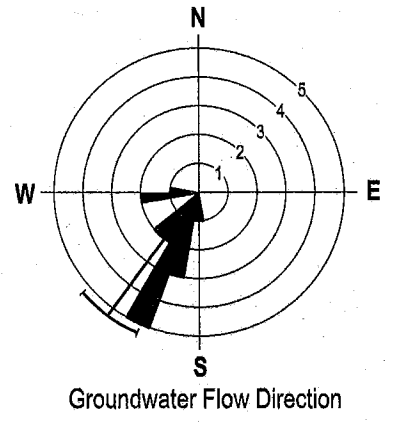


FIGURE  
**2**



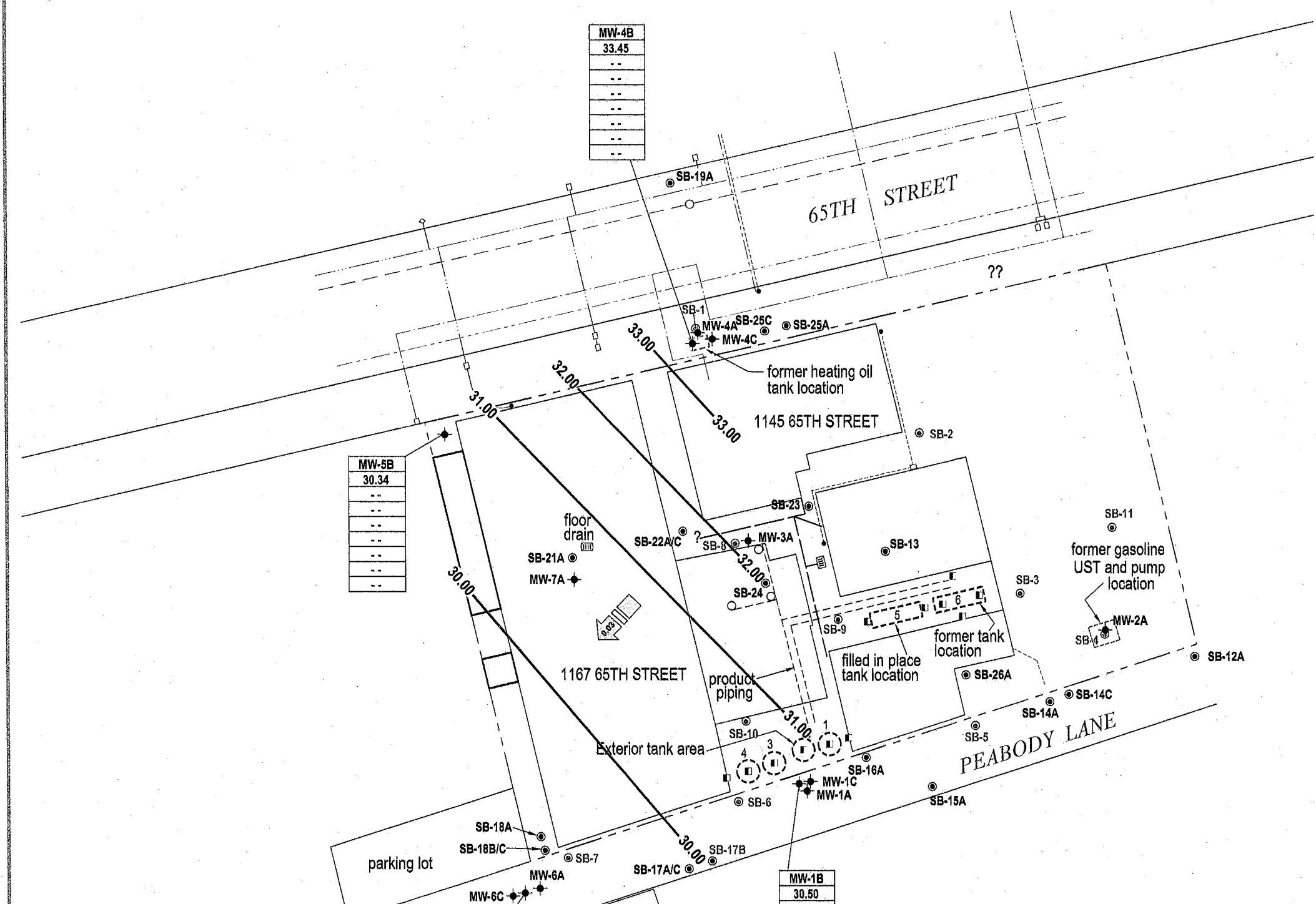
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MW-4B	33.45
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--	--
--	--

MW-5B	30.34
--	--
--	--
--	--
--	--
--	--
--	--

MW-6B	29.36
81,000	
20,000	
9,500	
<1.0	
<1.0	
2.5	
<1.0	

MW-1B	30.50
--	--
--	--
--	--
<0.5	
<0.5	
11	
<0.5	



### EXPLANATION

- MW-1A ◆ CRA monitoring well location
- SB-12 ● CRA soil boring location
- SB-1 ○ CRA soil boring/temporary well location
- SCI soil sample location
- 1 ○ Former tank location and tank nomenclature
- - - Product piping
- Product piping stub-ups
- - - Electrical line
- - - Storm drain
- - - Sanitary sewer line
- - - Water line
- - - Gas line
- - - Communications line
- 32.00 — Groundwater elevation contour line in feet above mean sea level (MSL)
- ← 0.017 Groundwater flow direction and gradient
- - - Not analyzed

Well ID	Monitoring Well Designation
ELEV.	Groundwater elevation in feet above mean sea level (MSL)
TPHd	
TPHss	
TPHg	
PCE	Concentrations in groundwater in micrograms per liter
TCE	
cis-1,2-DCE	
Vinyl Chloride	

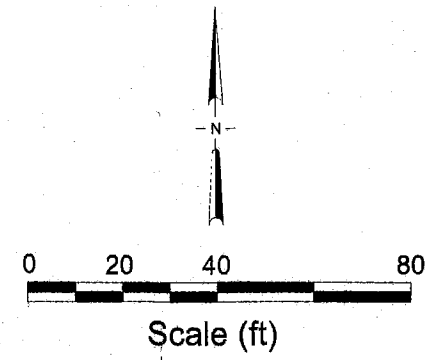
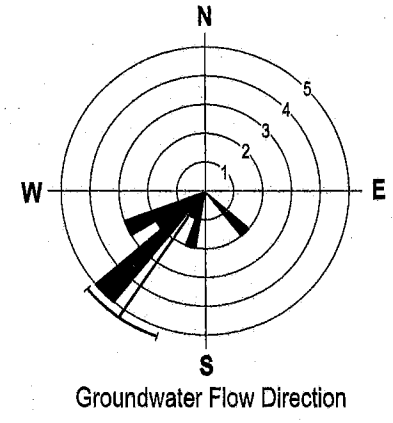


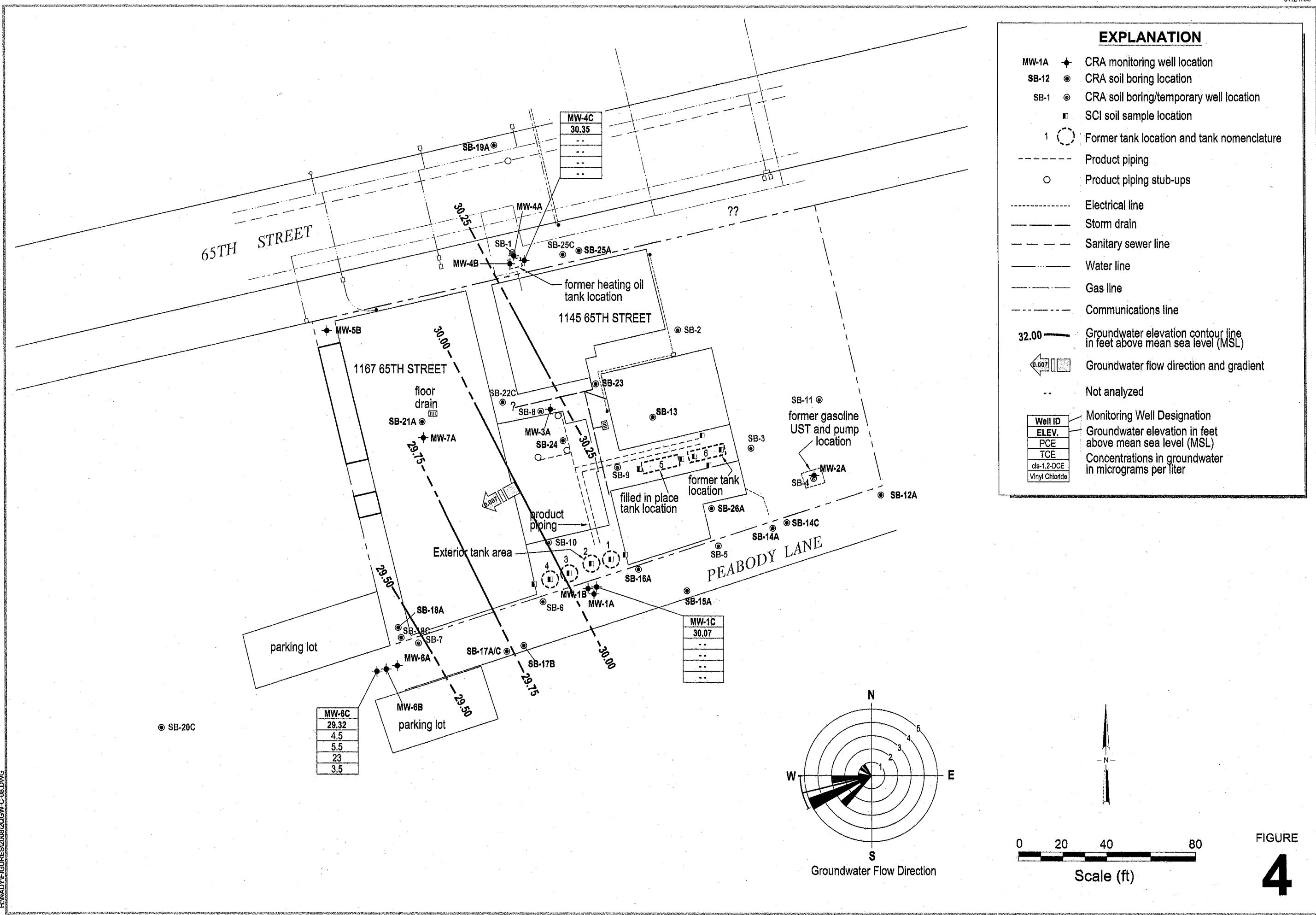
FIGURE  
**3**

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**Groundwater Flow and Chemical Concentrations - B Zone**  
June 9, 2008



1137 - 1167 65th Street  
Oakland, California



### EXPLANATION

- MW-1A ◆ CRA monitoring well location
- SB-12 ● CRA soil boring location
- SB-1 ○ CRA soil boring/temporary well location
- SCI soil sample location
- 1 ○ Former tank location and tank nomenclature
- - - Product piping
- Product piping stub-ups
- - - Electrical line
- - - Storm drain
- - - Sanitary sewer line
- - - Water line
- - - Gas line
- - - Communications line
- 32.00 — Groundwater elevation contour line in feet above mean sea level (MSL)
- ← 0.007 □ Groundwater flow direction and gradient
- - - Not analyzed

Well ID	Monitoring Well Designation
ELEV.	Groundwater elevation in feet above mean sea level (MSL)
PCE	
TCE	
cls-1,2-DCE	
Vinyl Chloride	Concentrations in groundwater in micrograms per liter

MW-6C	29.32
	4.5
	5.5
	23
	3.5

MW-4C	30.35
	..
	..
	..
	..

MW-1C	30.07
	..
	..
	..
	..

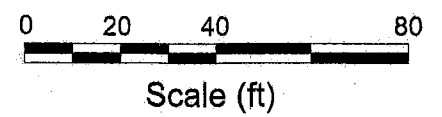
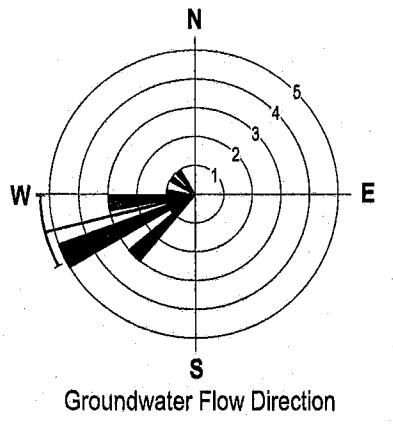


FIGURE  
**4**

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**Groundwater Flow and  
Chemical Concentrations - C Zone**  
June 9, 2008



1137 - 1167 65th Street  
Oakland, California

# Conestoga-Rovers & Associates

**Table 1. Well Construction Details - John Nady, 1137-1167 65th Street, Oakland, California**

Well ID	Date Installed	Borehole Depth (ft)	Borehole Diameter (inches)	Casing Diameter (in)	Screen Interval (ft bgs)	Screen Size (in)	Filter Pack (ft bgs)	Bentonite Seal (ft bgs)	Cement Seal (ft bgs)	TOC Elevation (ft msl)	First Water (ft bgs)
<b>A-Zone Monitoring Wells</b>											
MW-1A	5/10/2004	14.5	8	2	4.5 - 14.5	0.010	3.5 - 14.5	2.5 - 3.5	0 - 2.5	39.64	7.0
MW-2A	5/11/2004	12.0	10	4	3.0 - 12.0	0.020	2.5 - 3.0	1.0 - 2.5	0 - 1.0	40.72	4.5
MW-3A	5/7/2004	16.0	8	2	3.5 - 14.0	0.010	3.0 - 3.5	2.0 - 3.0	0 - 2.0	40.88	4.0
MW-4A	5/18/2004	16.0	8	2	3.0 - 13.0	0.010	2.5 - 13.0	1.5 - 2.5	0 - 1.5	38.71	NA
MW-6A	5/11/2004	14.5	8	2	4.5 - 14.5	0.010	3.5 - 14.5	1.5 - 3.5	0 - 1.5	37.98	12.0
MW-7A	5/7/2004	10.0	6.5	1	5.0 - 10.0	0.010	4.0 - 10.0	3.0 - 4.0	0 - 3.0	40.58	6.0
<b>B-Zone Monitoring Wells</b>											
MW-1B	5/12/2004	20.0	8	2	16.5 - 20.0	0.010	15.5 - 20.0	13.0 - 15.5	0 - 13.0	39.50	7.0
MW-4B	5/18/2004	24.0	8	2	17.0 - 21.0	0.010	16.0 - 21.0	12.0 - 14.0 21.0 - 24.0	0 - 12.0	38.54	3.5
MW-5B	5/18/2004	24.0	8	2	15.0 - 24.0	0.010	14.0 - 24.0	12.0 - 14.0	0 - 12.0	38.98	NA
MW-6B	5/12/2004	24.5	8	2	17.0 - 22.0	0.010	16.0 - 22.0	14.0 - 16.0 22.0 - 24.5	0 - 14.0	37.66	15.5
<b>C-Zone Monitoring Wells</b>											
MW-1C	5/10/2004	40.0	8	2	25.0 - 34.0	0.010	24.0 - 34.0	22.0 - 24.0 34.0 - 40.0	0 - 22.0	39.49	7.0
MW-4C	5/17/2004	40.0	8	2	27.0 - 32.0	0.010	26.0 - 27.0	24.0 - 26.0 32.0 - 40.0	0 - 24.0	38.50	12.0
MW-6C	5/11/2004	39.5	8	2	26.5 - 34.0	0.010	25.5 - 34.0	23.0 - 25.0 34.0 - 39.5	0 - 23.0	37.59	15.0

**Abbreviations / Notes**

- ft = feet
- in = inches
- ft bgs = feet below grade surface
- ft msl = feet above mean sea level
- TOC = top of casing

# Conestoga-Rovers & Associates

**Table 2. Monitoring Well Groundwater Analytical Results: Petroleum Hydrocarbons - John Nady, 1137-1167 65th Street, Oakland, California**

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft msl)	Depth to Water (ft)	TPHd	TPHg	TPHmo	TPHss	Benzene μg/L	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
MW-1A 39.64	6/3/2004	Zone A	35.14	4.50	1,300	1,400	260	2,500	ND<0.5	ND<0.5	2.0	11	ND<5.0	
	11/23/2004		36.54	3.10	1,400	2,300	ND<250	2,800	0.64	ND<0.5	2.5	9.7	6.8	a,b,c
	3/14/2005		37.02	2.62	3,200	4,800	ND<250	6,000	0.68	ND<0.5	2.0	6.8	ND<5.0	d,e
	6/15/2005		35.14	4.50	2,500	2,800	ND<250	3,400	ND<2.5	ND<2.5	ND<2.5	5.9	ND<25	a,b,h,i,c
	9/19/2005		33.14	6.50	2,800	4,100	ND<250	6,000	ND<1.0	ND<1.0	3.3	6.2	ND<10	a,b,i,c
	12/12/2005		35.14	4.50	2,500	2,600	ND<250	3,100	ND<1.7	ND<1.7	2.7	6.5	ND<17	a,b,c,h,i
	3/13/2006		37.74	1.90	2,300	2,000	ND<250	2,400	0.51	ND<0.5	1.9	3.5	--	a,b,c,i
	6/19/2006		35.94	3.70	2,600	2,200	ND<250	3,500	0.52	ND<0.5	2.9	6.7	--	m,b,c
	9/20/2006		34.19	5.45	2,400	2,200	ND<250	2,400	ND<2.5	ND<2.5	3.0	9.7	--	a,b,c,i
	12/20/2006		37.02	2.62	1,900	1,300	ND<250	1,400	0.52	ND<0.5	2.9	7.6	--	a,e,h
	3/29/2007		37.04	2.60	1,200	1,800	ND<250	2,100	ND<0.5	ND<0.5	2.2	6.4	ND<5.0	a,b,c
	6/11/2007		35.72	3.92	2,200	3,200	ND<250	2,200	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	a,b,c
	9/7/2007		33.90	5.74	1,800	2,300	ND<250	1,700	ND<0.5	ND<0.5	2.2	4.6	ND<5.0	a,b,c
	12/12/2007		36.53	3.11	2,500	3,100	ND<250	3,400	ND<5.0	ND<5.0	ND<5.0	12	ND<50	a,c
	3/7/2008		37.23	2.41	1,700	2,200	ND<250	1,600	ND<0.5	ND<0.5	2.3	8.9	--	a,c
	6/9/2008		34.69	4.95	2,000	2,200	ND<250	2,500	ND<2.5	ND<2.5	3.4	8.1	ND<25	a,b,e,i
MW-2A 40.72	6/3/2004	Zone A	36.48	4.24	2,900	1,700	ND<250	3,500	ND<0.5	3.5	4.9	5.1	ND<5.0	
	11/23/2004		37.83	2.89	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/14/2005		39.02	1.70	--	--	--	--	--	--	--	--	--	
	3/15/2005		--	--	560	360	450	260	ND<0.5	2.5	ND<0.5	ND<0.5	ND<5.0	e,d,g,i
	6/15/2005		37.91	2.81	--	--	--	--	--	--	--	--	--	
	6/16/2005		--	--	470	480	330	430	ND<0.5	2.9	ND<0.5	ND<0.5	ND<5.0	a,b,i,g,e
	9/19/2005		35.46	5.26	--	--	--	--	--	--	--	--	--	
	9/20/2005		--	--	2,100	960	870	960	ND<0.5	4.7	2.9	ND<0.5	ND<5.0	e,g,b,i,l
	12/12/2005		37.66	3.06	--	--	--	--	--	--	--	--	--	
	12/13/2005		--	--	700	670	470	510	ND<0.5	5.9	ND<0.5	ND<0.5	ND<5.0	a,b,e,g,i
	3/13/2006		40.33	0.39	--	--	--	--	--	--	--	--	--	
	3/14/2006		--	--	81	100	ND<250	81	ND<0.5	1.5	ND<0.5	ND<0.5	--	a,b,c,i
	6/19/2006		37.31	3.41	--	--	--	--	--	--	--	--	--	
	6/20/2006		--	--	530	270	420	180	ND<0.5	1.7	ND<0.5	ND<0.5	ND<5.0	e,g,i,l
	9/20/2006		34.65	6.07	800	1,700	730	1,700	ND<2.5	5.5	ND<2.5	ND<2.5	--	a,b,d,e,g,i
	12/20/2006		38.57	2.15	190	94	300	61	ND<0.5	1.5	ND<0.5	ND<0.5	--	e,g,m,n
3/29/2007	38.22	2.50	200	260	ND<250	240	ND<0.5	2.7	ND<0.5	ND<0.5	ND<5.0	a,b,c		
6/11/2007	37.14	3.58	200	180	ND<250	94	ND<0.5	1.7	ND<0.5	ND<0.5	--	a,b,c,i		
9/7/2007	35.04	5.68	190	240	ND<250	180	ND<0.5	0.98	ND<0.5	ND<0.5	ND<5.0	a,b,c,i		
12/12/2007	37.82	2.90	220	190	360	140	ND<0.5	2.9	ND<0.5	ND<0.5	ND<5.0	a,b,g,e		
3/7/2008	38.79	1.93	90	100	ND<250	ND<50	ND<0.5	1.2	ND<0.5	ND<0.5	--	e,b		
6/9/2008	36.18	4.54	150	180	ND<250	180	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	a,b,e,i		
MW-3A 40.88	6/3/2004	Zone A	36.56	4.32	90,000	4,800	6,000	12,000	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	
	11/23/2004		37.89	2.99	22,000	3,800	ND<2,500	5,700	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	a,c,d
	3/14/2005		37.28	3.60	--	--	--	--	--	--	--	--	--	
	3/15/2005		--	--	37,000	2,400	ND<2,500	3,500	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<17	e,d,i
	6/15/2005		36.78	4.10	--	--	--	--	--	--	--	--	--	
	6/16/2005		--	--	15,000	2,100	ND<1,200	3,300	ND<1.7	ND<1.7	ND<1.7	2.4	ND<17	a,c,d,h,i

# Conestoga-Rovers & Associates

**Table 2. Monitoring Well Groundwater Analytical Results: Petroleum Hydrocarbons - John Nady, 1137-1167 65th Street, Oakland, California**

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft msl)	Depth to Water (ft)	← μg/L →								Notes		
					TPHd	TPHg	TPHmo	TPHss	Benzene	Toluene	Ethylbenzene	Xylenes		MTBE	
MW-3A (cont.)	9/19/2005		35.93	4.95	--	--	--	--	--	--	--	--	--		
	9/20/2005		--	--	55,000	4,700	ND<5,000	8,000	ND<1.0	ND<1.0	2.6	6.8	ND<10	a,b,c,d,i	
	12/12/2005		36.72	4.16	--	--	--	--	--	--	--	--	--		
	12/13/2005		--	--	34,000	1,100	ND<12,000	1,600	ND<1.7	ND<1.7	ND<1.7	2.3	ND<17	a,b,c,d,h,i	
	3/13/2006		37.42	3.46	--	--	--	--	--	--	--	--	--		
	3/14/2006		--	--	21,000	2,200	1,600	3,300	ND<0.5	ND<0.5	1.1	ND<0.5	--	a,c,d,g,h	
	6/19/2006		36.48	4.40	--	--	--	--	--	--	--	--	--		
	6/20/2006		--	--	19,000	8,000	1,000	16,000	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	c,d,g,h,m	
	9/20/2006		35.78	5.10	13,000	2,500	1,300	3,300	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	a,c,d,g,h,i	
	12/20/2006		36.78	4.10	15,000	2,600	670	3,500	ND<2.5	ND<2.5	ND<2.5	7.6	--	e,g,h,n	
	3/29/2007		36.82	4.06	21,000	2,600	940	3,400	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	a,c,d,h	
	6/11/2007		36.52	4.36	13,000	5,200	730	3,500	ND<10	ND<10	ND<10	ND<10	--	a,d,h	
	9/7/2007		35.98	4.90	36,000	11,000	1,600	15,000	ND<10	ND<10	ND<10	ND<10	ND<100	a,c,d,h	
	12/12/2007		36.54	4.34	41,000	9,500	ND<2,500	13,000	ND<5.0	ND<5.0	7.1	ND<5.0	32	ND<50	a,c,h
	3/7/2008		36.87	4.01	26,000	3,200	1,200	2,800	ND<2.5	ND<2.5	ND<2.5	2.5	--	a,h,c	
6/9/2008		36.03	4.85	20,000	7,500	ND<1,200	16,000	ND<25	ND<25	ND<25	ND<25	ND<250	a,c,h,i		
MW-4A 38.71	6/3/2004	Zone A	36.26	2.45	270	ND<50	440	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0		
	11/23/2004		37.13	1.58	73	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	d	
	3/14/2005		36.66	2.05	--	--	--	--	--	--	--	--	--		
	3/15/2005		--	--	210	ND<50	300	ND<50	0.91	1.7	ND<0.5	1.9	ND<5.0	g,d,f,i	
	6/15/2005		36.38	2.33	--	--	--	--	--	--	--	--	--		
	6/16/2005		--	--	99	59	ND<250	75	1.0	1.9	ND<0.5	2.1	ND<5.0	j,d,f	
	9/19/2005		35.01	3.70	--	--	--	--	--	--	--	--	--		
	9/20/2005		--	--	87	ND<50	ND<250	ND<50	1.2	2.1	0.51	2.4	ND<5.0	d,f	
	12/12/2005		36.39	2.32	--	--	--	--	--	--	--	--	--		
	12/13/2005		--	--	71	ND<50	ND<250	ND<50	0.67	1.4	ND<0.5	1.9	ND<5.0	d,f,i	
	3/13/2006		36.75	1.96	--	--	--	--	--	--	--	--	--		
	3/14/2006		--	--	68	ND<50	ND<250	ND<50	0.60	1.3	ND<0.5	1.8	--	d,f	
	6/19/2006		36.15	2.56	--	--	--	--	--	--	--	--	--		
	6/20/2006		--	--	72	ND<50	ND<250	ND<50	0.53	1.1	ND<0.5	1.6	--	f	
	9/20/2006		35.10	3.61	160	110	ND<250	88	1.2	2.5	0.61	3.9	--	a,d,f,i	
12/20/2006		36.39	2.32	97	ND<50	ND<250	ND<50	0.99	2.1	0.52	2.9	--	f		
3/29/2007		36.46	2.25	ND<50	ND<50	ND<250	ND<50	ND<0.5	0.93	ND<0.5	1.3	ND<5.0			
6/11/2007		36.14	2.57	66	ND<50	ND<250	ND<50	ND<0.5	0.92	ND<0.5	1.6	--	d,f		
9/7/2007		35.34	3.37	78	ND<50	ND<250	ND<50	0.74	1.3	ND<0.5	1.9	ND<5.0	f		
12/12/2007		36.25	2.46	68	86	ND<250	62	0.62	1.8	ND<0.5	2.4	ND<5.0	j,d,f		
3/7/2008		36.46	2.25	71	ND<50	ND<250	ND<50	ND<0.5	1.0	ND<0.5	1.5	--	l,f		
6/9/2008		35.49	3.22	66	ND<50	ND<250	ND<50	ND<0.5	0.94	ND<0.5	1.5	ND<5.0	d,f		
MW-6A 37.98	6/3/2004	Zone A	31.98	6.00	3,500	970	340	2,400	ND<0.5	ND<0.5	ND<0.5	2.1	ND<5.0		
	11/23/2004		33.13	4.85	1,400	1,900	ND<250	3,000	ND<0.5	ND<0.5	ND<0.5	3.0	ND<5.0	a,c	
	3/14/2005		35.03	2.95	5,900	2,900	ND<250	2,600	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<5.0	e,d,i	
	6/15/2005		33.28	4.70	6,100	2,200	ND<250	3,400	ND<0.5	ND<0.5	0.60	4.4	ND<10	a,i,c,d	
	9/19/2005		32.07	5.91	2,600	2,200	ND<250	3,900	ND<1.0	ND<1.0	1.4	7.6	ND<10	a,b,c	
	12/12/2005		33.12	4.86	4,600	2,900	ND<250	4,500	ND<0.5	ND<0.5	1.6	8.9	ND<5.0	a,c,h,i	

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**Table 2. Monitoring Well Groundwater Analytical Results: Petroleum Hydrocarbons - John Nady, 1137-1167 65th Street, Oakland, California**

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft msl)	Depth to Water (ft)	TPHd	TPHg	TPHmo	TPHss	Benzene μg/L	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
MW-6A (cont.)	3/13/2006		36.05	1.93	4,300	1,900	ND<250	3,000	ND<0.5	ND<0.5	ND<0.5	4.3	--	a,c,d,h
	6/19/2006		32.59	5.39	7,800	2,300	260	4,600	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	c,g,h,m
	9/20/2006		31.96	6.02	2,600	960	ND<250	1,200	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	a,c,i
	12/20/2006		33.57	4.41	4,100	2,400	ND<250	3,200	ND<5.0	ND<5.0	ND<5.0	8.1	--	e,h,n
	3/29/2007		33.67	4.31	2,900	2,200	ND<250	2,700	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	a,c
	6/11/2007		32.95	5.03	6,400	4,300	ND<250	3,700	ND<0.5	ND<0.5	2.1	9.5	--	a,c
	9/7/2007		32.32	5.66	5,800	1,600	ND<250	1,400	ND<1.0	ND<1.0	ND<1.0	3.1	ND<10	a,b,c,d,h
	12/12/2007		33.50	4.48	9,600	3,300	ND<250	4,400	ND<5.0	ND<5.0	ND<5.0	8.4	ND<50	a,c,d
	3/7/2008		34.30	3.68	6,200	4,100	280	3,700	ND<2.5	ND<2.5	ND<2.5	6.9	--	a,h,c
	6/9/2008		32.30	5.68	7,200	7,900	290	16,000	ND<10	ND<10	ND<10	ND<10	ND<100	a,c,h,i
MW-7A 40.58	6/3/2004	Zone A	36.08	4.50	--	3,900	--	9,900	ND<5.0	ND<5.0	ND<5.0	6.6	ND<50	
	11/23/2004		--	--	--	--	--	--	--	--	--	--	--	
	3/14/2005		37.03	3.55	14,000	3,900	620	3,700	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	c,d,h
	6/15/2005		36.41	4.17	24,000	2,500	ND<1,200	3,900	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	a,c,d,h,i
	9/19/2005		35.25	5.33	43,000	7,000	ND<5,000	13,000	ND<10	ND<10	ND<10	ND<10	ND<100	a,c,i
	12/12/2005		36.15	4.43	10,000	1,700	ND<1,200	2,500	ND<1.0	ND<1.0	1.4	2.4	ND<10	a,c,d,h,i
	3/13/2006		36.76	3.82	31,000	1,600	1,100	2,300	ND<0.5	ND<0.5	0.93	9.1	--	a,c,d,g,h,i
	6/19/2006		35.78	4.80	36,000	26,000	1,300	44,000	ND<5.0	ND<5.0	10	ND<5.0	--	c,d,g,h,i,m
	9/20/2006		35.03	5.55	36,000	49,000	ND<5,000	69,000	ND<50	ND<50	ND<50	ND<50	--	a,c,h,i
	12/20/2006		36.35	4.23	14,000	38,000	ND<1,200	53,000	ND<50	ND<50	ND<50	150	--	e,h,n
	3/29/2007		36.06	4.52	34,000	4,100	890	5,600	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	a,h,c,d
	6/11/2007		36.02	4.56	32,000	3,800	ND<1,200	3,400	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	a,c,d,h,i
	9/7/2007		35.18	5.40	57,000	21,000	ND<2,500	19,000	ND<10	ND<10	ND<10	54	ND<100	a,b,c,d,h
12/12/2007		35.96	4.62	45,000	13,000	1,400	16,000	ND<25	ND<25	ND<25	ND<25	ND<250	a,c,d	
3/7/2008		36.28	4.30	56,000	3,800	1,600	3,500	ND<2.5	ND<2.5	ND<2.5	3.7	--	a,h,i,c	
6/9/2008		35.35	5.23	150,000	35,000	ND<12,000	68,000	ND<25	ND<25	ND<25	ND<25	ND<250	a,c,h,i	
MW-1B 39.50	6/3/2004	Zone B	25.10	14.40	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	11/23/2004		26.24	13.26	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/14/2005		33.97	5.53	52	ND<50	ND<250	ND<50	0.60	ND<0.5	ND<0.5	ND<0.5	ND<5.0	d,i
	6/15/2005		31.87	7.63	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	9/19/2005		30.35	9.15	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	12/12/2005		30.39	9.11	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	3/13/2006		32.15	7.35	--	--	--	--	--	--	--	--	--	
	6/19/2006		22.99	16.51	--	--	--	--	--	--	--	--	--	
	9/20/2006		30.32	9.18	--	--	--	--	--	--	--	--	--	
	12/20/2006		31.60	7.90	--	--	--	--	--	--	--	--	--	
	3/29/2007		24.63	14.87	--	--	--	--	--	--	--	--	--	
	6/11/2007		26.39	13.11	--	--	--	--	--	--	--	--	--	
	9/7/2007		28.42	11.08	--	--	--	--	--	--	--	--	--	
	12/12/2007		30.60	8.90	--	--	--	--	--	--	--	--	--	
	3/7/2008		32.48	7.02	--	--	--	--	--	--	--	--	--	
6/9/2008		30.50	9.00	--	--	--	--	--	--	--	--	--		



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Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft msl)	Depth to Water (ft)	Petroleum Hydrocarbons (µg/L)								Notes	
					TPHd	TPHg	TPHmo	TPHss	Benzene	Toluene	Ethylbenzene	Xylenes		MTBE
MW-4B 38.54	6/3/2004	Zone B	33.52	5.02	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	11/23/2004		34.65	3.89	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/14/2005		34.78	3.76	--	--	--	--	--	--	--	--	--	
	3/15/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	6/15/2005		33.98	4.56	--	--	--	--	--	--	--	--	--	
	6/16/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	9/19/2005		32.57	5.97	--	--	--	--	--	--	--	--	--	
	9/20/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	12/12/2005		33.65	4.89	--	--	--	--	--	--	--	--	--	
	12/13/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	3/13/2006		34.61	3.93	--	--	--	--	--	--	--	--	--	
	6/19/2006		33.86	4.68	--	--	--	--	--	--	--	--	--	
	9/20/2006		32.58	5.96	--	--	--	--	--	--	--	--	--	
	12/20/2006		33.92	4.62	--	--	--	--	--	--	--	--	--	
	3/29/2007		33.96	4.58	--	--	--	--	--	--	--	--	--	
	6/11/2007		34.03	4.51	--	--	--	--	--	--	--	--	--	
	9/7/2007		33.22	5.32	--	--	--	--	--	--	--	--	--	
12/12/2007	33.85	4.69	--	--	--	--	--	--	--	--	--			
3/7/2008	34.58	3.96	--	--	--	--	--	--	--	--	--			
6/9/2008	33.45	5.09	--	--	--	--	--	--	--	--	--			
MW-5B 38.98	6/3/2004	Zone B	30.16	8.82	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	11/23/2004		31.32	7.66	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/14/2005		32.71	6.27	--	--	--	--	--	--	--	--	--	
	3/15/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	6/15/2005		31.20	7.78	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	9/19/2005		28.68	10.30	--	--	--	--	--	--	--	--	--	
	9/20/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	12/12/2005		30.65	8.33	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	3/13/2006		32.87	6.11	--	--	--	--	--	--	--	--	--	
	6/19/2006		30.97	8.01	--	--	--	--	--	--	--	--	--	
	9/20/2006		29.68	9.30	--	--	--	--	--	--	--	--	--	
	12/20/2006		31.21	7.77	--	--	--	--	--	--	--	--	--	
	3/29/2007		31.40	7.58	--	--	--	--	--	--	--	--	--	
	6/11/2007		31.02	7.96	--	--	--	--	--	--	--	--	--	
	9/7/2007		30.02	8.96	--	--	--	--	--	--	--	--	--	
	12/12/2007		30.88	8.10	--	--	--	--	--	--	--	--	--	
	3/7/2008		32.55	6.43	--	--	--	--	--	--	--	--	--	
6/9/2008	30.34	8.64	--	--	--	--	--	--	--	--	--			
MW-6B 37.66	6/3/2004	Zone B	29.36	8.30	2,300	1,100	ND<250	2,900	ND<0.5	ND<0.5	ND<0.5	1.4	ND<5.0	a,c
	11/23/2004		30.53	7.13	280	500	ND<250	700	ND<0.5	ND<0.5	ND<0.5	1.6	ND<5.0	a,c
	3/14/2005		31.86	5.80	5,200	1,300	340	1,200	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	e,d,i
	6/15/2005		30.17	7.49	1,700	900	ND<250	1,300	ND<0.5	ND<0.5	ND<0.5	1.9	ND<5.0	a,c
	9/19/2005		28.83	8.83	2,700	1,200	ND<250	2,000	1.0	1.4	ND<1.0	5.0	ND<2.0	a,b,c
12/12/2005	29.85	7.81	4,100	840	ND<250	1,200	ND<0.5	ND<0.5	ND<0.5	3.3	ND<5.0	a,c,h,i		

# Conestoga-Rovers & Associates

**Table 2. Monitoring Well Groundwater Analytical Results: Petroleum Hydrocarbons - John Nady, 1137-1167 65th Street, Oakland, California**

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft msl)	Depth to Water (ft)	← μg/L →									Notes
					TPHd	TPHg	TPHmo	TPHss	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	
MW-6B (cont.)	3/13/2006		32.31	5.35	6,900	1,400	270	2,000	ND<0.5	ND<0.5	ND<0.5	4.7	--	a,c,d,h,i
	6/19/2006		29.88	7.78	7,700	1,700	310	3,300	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	c,g,h,m
	9/20/2006		28.78	8.88	16,000	3,200	740	4,200	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	a,c,d,g,h,i
	12/20/2006		30.34	7.32	16,000	55,000	ND<1,200	77,000	ND<5.0	ND<5.0	ND<5.0	130	--	e,g,h,n
	3/29/2007		30.44	7.22	24,000	3,400	650	4,300	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	a,h,c,d
	6/11/2007		29.93	7.73	29,000	2,600	ND<1,200	2,100	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	a,c,d,h
	9/7/2007		28.95	8.71	32,000	4,500	ND<1,200	3,800	ND<5.0	ND<5.0	ND<5.0	11	ND<5.0	a,b,c,d,h
	12/12/2007		30.00	7.66	36,000	12,000	1,000	15,000	ND<25	ND<25	ND<25	ND<25	ND<25.0	a,h,c,d
	3/7/2008		31.70	5.96	27,000	3,100	1,100	2,700	ND<2.5	ND<2.5	ND<2.5	6.1	--	a,h,k
	6/9/2008		29.36	8.30	81,000	9,500	ND<5,000	20,000	ND<25	ND<25	ND<25	ND<25	ND<25.0	a,c,h
	MW-1C 39.49	6/3/2004	Zone C	30.07	9.42	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0
11/23/2004			31.30	8.19	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
3/14/2005			32.58	6.91	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	f
6/15/2005			30.89	8.60	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
9/19/2005			29.19	10.30	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
12/12/2005			30.54	8.95	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
3/13/2006			32.99	6.50	--	--	--	--	--	--	--	--	--	
6/19/2006			30.66	8.83	--	--	--	--	--	--	--	--	--	
9/20/2006			29.53	9.96	--	--	--	--	--	--	--	--	--	
12/20/2006			31.13	8.36	--	--	--	--	--	--	--	--	--	
3/29/2007			31.19	8.30	--	--	--	--	--	--	--	--	--	
6/11/2007			30.63	8.86	--	--	--	--	--	--	--	--	--	
9/7/2007			29.60	9.89	--	--	--	--	--	--	--	--	--	
12/12/2007			30.61	8.88	--	--	--	--	--	--	--	--	--	
3/7/2008			32.46	7.03	--	--	--	--	--	--	--	--	--	
6/9/2008			30.07	9.42	--	--	--	--	--	--	--	--	--	
MW-4C 38.50	6/3/2004	Zone C	30.10	8.40	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	11/23/2004		31.31	7.19	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/14/2005		33.15	5.35	--	--	--	--	--	--	--	--	--	
	3/15/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	6/15/2005		30.85	7.65	--	--	--	--	--	--	--	--	--	
	6/16/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	9/19/2005		25.97	12.53	--	--	--	--	--	--	--	--	--	
	9/20/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	12/12/2005		30.00	8.50	--	--	--	--	--	--	--	--	--	
	12/13/2005		--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	3/13/2006		31.18	7.32	--	--	--	--	--	--	--	--	--	
	6/19/2006		30.90	7.60	--	--	--	--	--	--	--	--	--	
	9/20/2006		29.91	8.59	--	--	--	--	--	--	--	--	--	
	12/20/2006		31.21	7.29	--	--	--	--	--	--	--	--	--	
	3/29/2007		31.29	7.21	--	--	--	--	--	--	--	--	--	
	6/11/2007		30.93	7.57	--	--	--	--	--	--	--	--	--	
9/7/2007		30.20	8.30	--	--	--	--	--	--	--	--	--		
12/12/2007		31.10	7.40	--	--	--	--	--	--	--	--	--		

# Conestoga-Rovers & Associates

**Table 2. Monitoring Well Groundwater Analytical Results: Petroleum Hydrocarbons - John Nady, 1137-1167 65th Street, Oakland, California**

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft msl)	Depth to Water (ft)	TPHd	TPHg	TPHmo	TPHss	Benzene μg/L	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
MW-4C	3/7/2008		32.25	6.25	--	--	--	--	--	--	--	--	--	
(cont.)	6/9/2008		30.35	8.15	--	--	--	--	--	--	--	--	--	
MW-6C	6/3/2004	Zone C	27.89	9.70	240	160	ND<250	340	ND<0.5	ND<0.5	ND<0.5	1.1	ND<5.0	
37.59	11/23/2004		29.21	8.38	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	d
	3/14/2005		31.79	5.80	60	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	6/15/2005		30.14	7.45	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	9/19/2005		28.79	8.80	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	12/12/2005		29.81	7.78	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/13/2006		32.09	5.50	--	--	--	--	--	--	--	--	--	
	6/19/2006		29.84	7.75	--	--	--	--	--	--	--	--	--	
	9/20/2006		28.74	8.85	--	--	--	--	--	--	--	--	--	
	12/20/2006		30.29	7.30	--	--	--	--	--	--	--	--	--	
	3/29/2007		30.39	7.20	--	--	--	--	--	--	--	--	--	
	6/11/2007		29.86	7.73	--	--	--	--	--	--	--	--	--	
	9/7/2007		28.92	8.67	--	--	--	--	--	--	--	--	--	
	12/12/2007		29.94	7.65	--	--	--	--	--	--	--	--	--	
	3/7/2008		31.63	5.96	--	--	--	--	--	--	--	--	--	
	6/9/2008		29.32	8.27	--	--	--	--	--	--	--	--	--	

**Abbreviations:**

mg/L = micrograms per liter - approximately equal to parts per billion = ppb  
 (TOC) = Top of casing elevation in feet above mean sea level (msl)  
 ft = measured in feet  
 TPHd = Total petroleum hydrocarbons as diesel by EPA Method SW8015C with silica gel cleanup.  
 TPHg = Total petroleum hydrocarbons as gasoline by EPA Method SW8015C.  
 TPHmo = Total petroleum hydrocarbons as motor oil by EPA Method SW8015C with silica gel cleanup.  
 TPHss = Total petroleum hydrocarbons as stoddard solvent by EPA Method SW8015C.  
 Benzene, toluene, ethylbenzene, and xylenes by EPA Method SW8021B.  
 MTBE = Methyl tertiary-butyl ether by EPA Method SW8021B (EPA Method SW8260B).  
 -- = Not available, not applicable, not analyzed, not measured

**Notes:**

a = TPH pattern that does not appear to be derived from gasoline (stoddard solvent/mineral spirit?).  
 b = No recognizable pattern.  
 c = Stoddard solvent/mineral spirit.  
 d = Diesel range compounds are significant; no recognizable pattern.  
 e = Gasoline range compounds are significant.  
 f = One to a few isolated peaks present  
 g = Oil range compounds are significant.  
 h = Lighter than water immiscible sheen/product is present.  
 i = Liquid sample contains greater than ~1 vol. % sediment.  
 j = Unmodified or weakly modified gasoline is significant  
 k = TPHg range non-target isolated peaks subtracted out of the TPHg concentration  
 l = Heavier gasoline compounds are significant (aged gasoline?)  
 m = Strongly aged gasoline or diesel range compounds are significant  
 n = Diesel range compounds are significant

# Conestoga-Rovers & Associates

**Table 3. Monitoring Well Groundwater Analytical Results: Halogenated Volatile Organic Compounds - John Nady, 1137-1167 65th Street, Oakland, California**

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft amsl)	Depth to Water (ft)	(PCE) (TCE) µg/L										Vinyl Chloride	Notes/Other VOCs		
					Chloroethane	Chloroform	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Trichloroethene	1,2-Dichlorobenzene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethane	1,2-Dichloroethane				
MW-1A 39.64	6/3/2004	Zone A	35.14	4.50	ND<2.5	ND<2.5	ND<2.5	55	16	ND<2.5	36	ND<2.5	ND<2.5	ND<2.5	6.3			
	11/23/2004		36.54	3.10	ND<1.0	ND<1.0	ND<1.0	38	11	ND<1.0	51	2.4	2.8	ND<1.0	9.5			
	3/14/2005		37.02	2.62	ND<1.0	ND<1.0	ND<1.0	42	12	2.0	32	2.2	2.4	ND<1.0	8.0			
	6/15/2005		35.14	4.50	ND<1.0	ND<1.0	ND<1.0	62	19	2.6	24	2.4	3.0	ND<1.0	10	h,j		
	9/19/2005		33.14	6.50	ND<1.2	ND<1.2	ND<1.2	55	18	2.3	28	2.0	2.6	ND<1.2	9.4	i		
	12/12/2005		35.14	4.50	ND<1.0	ND<1.0	16	60	17	2.0	22	2.3	2.5	ND<1.0	12	h,j		
	3/13/2006		37.74	1.90	ND<1.2	ND<1.2	14	30	17	ND<1.2	16	1.4	2.0	ND<1.2	4.0	i		
	6/19/2006		35.94	3.70	ND<0.5	ND<0.5	ND<0.5	33	9.0	ND<0.5	15	1.1	1.8	ND<0.5	3.2			
	9/20/2006		34.19	5.45	ND<0.5	ND<0.5	ND<0.5	34	15	ND<0.5	21	1.6	2.3	ND<0.5	5.4	i		
	12/20/2006		37.02	2.62	ND<0.5	ND<0.5	ND<0.5	27	15	ND<0.5	16	1.3	1.7	ND<0.5	5.2			
	3/29/2007		37.04	2.60	ND<0.5	ND<0.5	ND<0.5	29	16	ND<0.5	13	1.2	1.4	ND<0.5	ND<0.5			
	6/11/2007		35.72	3.92	ND<0.5	ND<0.5	ND<0.5	26	17	ND<0.5	13	1.6	1.9	ND<0.5	2.3			
	9/7/2007		33.90	5.74	ND<0.5	ND<0.5	ND<0.5	25	15	ND<0.5	17	1.4	2.0	ND<0.5	2.3			
	12/12/2007		36.53	3.11	ND<0.5	ND<0.5	ND<0.5	15	10	ND<0.5	14	1.2	2.1	ND<0.5	1.5			
	3/7/2008		37.23	2.41	ND<0.5	ND<0.5	17	9.0	9.3	1.3	13	1.2	1.7	ND<0.5	1.7			
	6/9/2008		34.69	4.95	ND<0.5	ND<0.5	ND<0.5	11	9.0	ND<0.5	11	1.1	1.8	ND<0.5	2.4	i		
	MW-2A 40.72		6/3/2004	Zone A	36.48	4.24	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	
			11/23/2004		37.83	2.89	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	
			3/14/2005		39.02	1.70	--	--	--	--	--	--	--	--	--	--	--	
3/15/2005		--	--		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	i		
6/15/2005		37.91	2.81		--	--	--	--	--	--	--	--	--	--	--			
6/16/2005		--	--		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	i		
9/19/2005		35.46	5.26		--	--	--	--	--	--	--	--	--	--	--			
9/20/2005		--	--		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	i		
12/12/2005		37.66	3.06		--	--	--	--	--	--	--	--	--	--	--			
12/13/2005		--	--		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	i		
3/13/2006		40.33	0.39		--	--	--	--	--	--	--	--	--	--	--			
6/19/2006		37.31	3.41		--	--	--	--	--	--	--	--	--	--	--			
9/20/2006		34.65	6.07		--	--	--	--	--	--	--	--	--	--	--			
12/20/2006		38.57	2.15		--	--	--	--	--	--	--	--	--	--	--			
3/29/2007		38.22	2.50		--	--	--	--	--	--	--	--	--	--	--			
6/11/2007		37.14	3.58		--	--	--	--	--	--	--	--	--	--	--			
9/7/2007		35.04	5.68		--	--	--	--	--	--	--	--	--	--	--			
12/12/2007		37.82	2.90		--	--	--	--	--	--	--	--	--	--	--			
3/7/2008		38.79	1.93		--	--	--	--	--	--	--	--	--	--	--			
6/9/2008	36.18	4.54	--	--	--	--	--	--	--	--	--	--	--					
MW-3A 40.88	6/3/2004	Zone A	36.56	4.32	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	a		
	11/23/2004		37.89	2.99	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0			
	3/14/2005		37.28	3.60	--	--	--	--	--	--	--	--	--	--	--			
	3/15/2005		--	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	43	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	i, i, 1,3-dichlorobenzene (1.2) 1,4-dichlorobenzene (5.7)		
	6/15/2005		36.78	4.10	--	--	--	--	--	--	--	--	--	--	--			
	6/16/2005		--	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	52	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	h,j, 1,3-dichlorobenzene (1.5) 1,4-dichlorobenzene (8.3)		
	9/19/2005		35.93	4.95	--	--	--	--	--	--	--	--	--	--	--			
	9/20/2005		--	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	51	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	i, 1,4-dichlorobenzene (7.6) 1,3-dichlorobenzene (1.4)		
	12/12/2005		36.72	4.16	--	--	--	--	--	--	--	--	--	--	--			
	12/13/2005		--	--	ND<1.0	ND<1.0	26	ND<1.0	ND<1.0	43	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	h,j, 1,4-dichlorobenzene (7.2)		
	3/13/2006		37.42	3.46	--	--	--	--	--	--	--	--	--	--	--			
3/14/2006	--	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	i, chlorobenzene (3.7) 1,4-dichlorobenzene (7.2)				
6/19/2006	36.48	4.40	--	--	--	--	--	--	--	--	--	--	--					

# Conestoga-Rovers & Associates

**Table 3. Monitoring Well Groundwater Analytical Results: Halogenated Volatile Organic Compounds - John Nady, 1137-1167 65th Street, Oakland, California**

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft amsl)	Depth to Water (ft)	Chloroethane		(PCE)		(TCE)		µg/L					Notes/Other VOCs	
					←	→	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Trichloroethene	1,2-Dichlorobenzene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethane	1,2-Dichloroethane	Vinyl Chloride		
MW-3A (cont.)	6/20/2006		--	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	h, chlorobenzene (9.8) 1,4-dichlorobenzene (7.3)
	9/20/2006		35.78	5.10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	h,i, chlorobenzene (31)
	12/20/2006		36.78	4.10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	h, chlorobenzene (31) 1,4-dichlorobenzene (5.6)
	3/29/2007		36.82	4.06	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	chlorobenzene (55) 1,4-dichlorobenzene (6.0)
	6/11/2007		36.52	4.36	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	h, chlorobenzene (68)
	9/7/2007		35.98	4.90	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	h, chlorobenzene (82)
	12/12/2007		36.54	4.34	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	h, chlorobenzene (72) 1,4-dichlorobenzene (5.6)
	3/7/2008		36.87	4.01	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	19	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	h, chlorobenzene (74)
	6/9/2008		36.03	4.85	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	22	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	h,i, chlorobenzene (98) 1.4 dichlorobenzene (6.2)
MW-4A 38.71	6/3/2004	Zone A	36.26	2.45	ND<0.5	ND<0.5	ND<0.5	1.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	11/23/2004		37.13	1.58	ND<0.5	ND<0.5	ND<0.5	1.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/14/2005		36.66	2.05	--	--	--	--	--	--	--	--	--	--	--	--	
	3/15/2005		--	--	ND<0.5	ND<0.5	ND<0.5	1.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	6/15/2005		36.38	2.33	--	--	--	--	--	--	--	--	--	--	--	--	
	6/16/2005		--	--	ND<0.5	ND<0.5	ND<0.5	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	9/19/2005		35.01	3.70	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2005		--	--	ND<0.5	ND<0.5	ND<0.5	1.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	12/12/2005		36.39	2.32	--	--	--	--	--	--	--	--	--	--	--	--	
	12/13/2005		--	--	ND<0.5	ND<0.5	ND<0.5	2.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	3/13/2006		36.75	1.96	--	--	--	--	--	--	--	--	--	--	--	--	
	6/19/2006		36.15	2.56	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2006		35.10	3.61	--	--	--	--	--	--	--	--	--	--	--	--	
	12/20/2006		36.39	2.32	--	--	--	--	--	--	--	--	--	--	--	--	
	3/29/2007		36.46	2.25	--	--	--	--	--	--	--	--	--	--	--	--	
	6/11/2007		36.14	2.57	--	--	--	--	--	--	--	--	--	--	--	--	
	9/7/2007		35.34	3.37	--	--	--	--	--	--	--	--	--	--	--	--	
	12/12/2007		36.25	2.46	--	--	--	--	--	--	--	--	--	--	--	--	
	3/7/2008		36.46	2.25	--	--	--	--	--	--	--	--	--	--	--	--	
6/9/2008		35.49	3.22	--	--	--	--	--	--	--	--	--	--	--	--		
MW-6A 37.98	6/3/2004	Zone A	31.98	6.00	4.7	0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.8	2.1	ND<0.5	6.7		
	11/23/2004		33.13	4.85	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	ND<0.5	
	3/14/2005		35.03	2.95	0.61	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	
	6/15/2005		33.28	4.70	6.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.3	ND<0.5	2.5	1.5	ND<0.5	3.2		i, 1,4-dichlorobenzene (0.60)
	9/19/2005		32.07	5.91	21	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.6	ND<0.5	6.7	4.7	0.59	5.0		
	12/12/2005		33.12	4.86	13	ND<0.5	8.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.1	0.82	ND<0.5	ND<0.5	ND<0.5	h,j
	3/13/2006		36.05	1.93	1.7	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	h
	6/19/2006		32.59	5.39	9.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.0	1.1	ND<0.5	1.3		h
	9/20/2006		31.96	6.02	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.6	1.9	ND<0.5	ND<0.5	ND<0.5	i
	12/20/2006		33.57	4.41	12	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	h
	3/29/2007		33.67	4.31	8.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.69	0.71	ND<0.5	ND<0.5	ND<0.5	
	6/11/2007		32.95	5.03	9.8	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	h
	9/7/2007		32.32	5.66	24	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	
	12/12/2007		33.50	4.48	4.1	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	h
3/7/2008		34.30	3.68	1.0	ND<0.5	9.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h	
6/9/2008		32.30	5.68	11	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	h,j	
MW-7A 40.58	6/3/2004	Zone A	36.08	4.50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	11/23/2004		--	--	--	--	--	--	--	--	--	--	--	--	--	--	

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**Table 3. Monitoring Well Groundwater Analytical Results: Halogenated Volatile Organic Compounds - John Nady, 1137-1167 65th Street, Oakland, California**

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft amsl)	Depth to Water (ft)	←		(PCE)			(TCE)			μg/L			Notes/Other VOCs	
					Chloroethane	Chloroform	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Trichloroethene	1,2-Dichlorobenzene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethane	1,2-Dichloroethane	Vinyl Chloride		
MW-7A <i>(cont.)</i>	3/14/2005		37.03	3.55	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h	
	6/15/2005		36.41	4.17	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h,i	
	9/19/2005		35.25	5.33	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i	
	12/12/2005		36.15	4.43	ND<0.5	ND<0.5	21	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h,j	
	3/13/2006		36.76	3.82	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	h,j	
	6/19/2006		35.78	4.80	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	h,j	
	9/20/2006		35.03	5.55	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	h	
	12/20/2006		36.35	4.23	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	h	
	3/29/2007		36.06	4.52	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	h,j	
	6/11/2007		36.02	4.56	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	h	
	9/7/2007		35.18	5.40	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	h	
	12/12/2007		35.96	4.62	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	chlorobenzene (0.70)	
	3/7/2008		36.28	4.30	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h,i	
	6/9/2008		35.35	5.23	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	h,i	
	MW-1B 39.50	6/3/2004	Zone B	25.10	14.40	ND<0.5	8.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.9	ND<0.5	8.1	7.9	ND<0.5	
		11/23/2004		26.24	13.26	ND<0.5	6.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.5	ND<0.5	8.4	8.8	ND<0.5	
3/14/2005			33.97	5.53	1.1	1.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.8	ND<0.5	5.2	12	ND<0.5	i	
6/15/2005			31.87	7.63	ND<0.5	1.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.3	ND<0.5	8.8	9.9	ND<0.5	i	
9/19/2005			30.35	9.15	0.98	0.87	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.0	ND<0.5	7.1	11	ND<0.5	i	
12/12/2005			30.39	9.11	1.5	0.75	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.7	ND<0.5	7.0	12	ND<0.5	i	
3/13/2006			32.15	7.35	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	6.1	ND<0.5	6.8	5.2	ND<0.5	i	
6/19/2006			22.99	16.51	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.0	ND<0.5	7.8	6.2	ND<0.5		
9/20/2006			30.32	9.18	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	9.9	ND<0.5	11	10	ND<0.5	i	
12/20/2006			31.60	7.90	2.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	9.9	ND<0.5	7.7	7.8	ND<0.5		
3/29/2007			24.63	14.87	1.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	9.0	ND<0.5	9.7	8.7	ND<0.5		
6/11/2007			26.39	13.11	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	8.5	ND<0.5	8.0	6.5	ND<0.5	i	
9/7/2007		28.42	11.08	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	9.8	ND<0.5	8.6	7.0	ND<0.5			
12/12/2007		30.60	8.90	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	11	ND<0.5	7.2	7.5	ND<0.5			
3/7/2008		32.48	7.02	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.5	ND<0.5	8.8	5.6	ND<0.5			
6/9/2008		30.50	9.00	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	11	ND<0.5	8.9	5.3	ND<0.5	i		
MW-4B 38.54	6/3/2004	Zone B	33.52	5.02	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		
	11/23/2004		34.65	3.89	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		
	3/14/2005		34.78	3.76	--	--	--	--	--	--	--	--	--	--	--		
	3/15/2005		--	--	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		
	6/15/2005		33.98	4.56	--	--	--	--	--	--	--	--	--	--	--		
	6/16/2005		--	--	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	i	
	9/19/2005		32.57	5.97	--	--	--	--	--	--	--	--	--	--	--		
	9/20/2005		--	--	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	i	
	12/12/2005		33.65	4.89	--	--	--	--	--	--	--	--	--	--	--		
	12/13/2005		--	--	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	i	
	3/13/2006		34.61	3.93	--	--	--	--	--	--	--	--	--	--	--		
	6/19/2006		33.86	4.68	--	--	--	--	--	--	--	--	--	--	--		
	9/20/2006		32.58	5.96	--	--	--	--	--	--	--	--	--	--	--		
	12/20/2006		33.92	4.62	--	--	--	--	--	--	--	--	--	--	--		
	3/29/2007		33.96	4.58	--	--	--	--	--	--	--	--	--	--	--		
	6/11/2007		34.03	4.51	--	--	--	--	--	--	--	--	--	--	--		
9/7/2007		33.22	5.32	--	--	--	--	--	--	--	--	--	--	--			
12/12/2007		33.85	4.69	--	--	--	--	--	--	--	--	--	--	--			
3/7/2008		34.58	3.96	--	--	--	--	--	--	--	--	--	--	--			
6/9/2008		33.45	5.09	--	--	--	--	--	--	--	--	--	--	--			
MW-5B 38.98	6/3/2004	Zone B	30.16	8.82	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		
	11/23/2004		31.32	7.66	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		

# Conestoga-Rovers & Associates

**Table 3. Monitoring Well Groundwater Analytical Results: Halogenated Volatile Organic Compounds - John Nady, 1137-1167 65th Street, Oakland, California**

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft amsl)	Depth to Water (ft)	(PCE) (TCE) µg/L											Notes/Other VOCs		
					Chloroethane	Chloroform	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Trichloroethene	1,2-Dichlorobenzene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethane	1,2-Dichloroethane	Vinyl Chloride			
MW-5B (cont.)	3/14/2005		32.71	6.27	--	--	--	--	--	--	--	--	--	--	--	--		
	3/15/2005		--	--	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	ND<0.5	i	
	6/15/2005		31.20	7.78	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	ND<0.5	i	
	9/19/2005		28.68	10.30	--	--	--	--	--	--	--	--	--	--	--	--		
	9/20/2005		--	--	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	ND<0.5		
	12/12/2005		30.65	8.33	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	ND<0.5	i	
	3/13/2006		32.87	6.11	--	--	--	--	--	--	--	--	--	--	--	--		
	6/19/2006		30.97	8.01	--	--	--	--	--	--	--	--	--	--	--	--		
	9/20/2006		29.68	9.30	--	--	--	--	--	--	--	--	--	--	--	--		
	12/20/2006		31.21	7.77	--	--	--	--	--	--	--	--	--	--	--	--		
	3/29/2007		31.40	7.58	--	--	--	--	--	--	--	--	--	--	--	--		
	6/11/2007		31.02	7.96	--	--	--	--	--	--	--	--	--	--	--	--		
	9/7/2007		30.02	8.96	--	--	--	--	--	--	--	--	--	--	--	--		
	12/12/2007		30.88	8.10	--	--	--	--	--	--	--	--	--	--	--	--		
	3/7/2008		32.55	6.43	--	--	--	--	--	--	--	--	--	--	--	--		
	6/9/2008		30.34	8.64	--	--	--	--	--	--	--	--	--	--	--	--		
MW-6B 37.66	6/3/2004	Zone B	29.36	8.30	0.65	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		
	11/23/2004		30.53	7.13	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	ND<0.5		
	3/14/2005		31.86	5.80	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.5	i	
	6/15/2005		30.17	7.49	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.55		
	9/19/2005		28.83	8.83	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.0	1.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.1		
	12/12/2005		29.85	7.81	2.3	ND<0.5	11	ND<0.5	ND<0.5	ND<0.5	1.3	ND<0.5	ND<0.5	1.3	ND<0.5	ND<0.5	ND<0.5	h,j
	3/13/2006		32.31	5.35	0.73	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	h	
	6/19/2006		29.88	7.78	0.91	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	h	
	9/20/2006		28.78	8.88	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	h,j	
	12/20/2006		30.34	7.32	2.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2	ND<0.5	ND<0.5	0.69	ND<0.5	ND<0.5	h	
	3/29/2007		30.44	7.22	1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.76	ND<0.5	ND<0.5	h	
	6/11/2007		29.93	7.73	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	h	
	9/7/2007		28.95	8.71	1.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.9	ND<0.5	ND<0.5	0.66	ND<0.5	ND<0.5	h	
	12/12/2007		30.00	7.66	0.77	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4	ND<0.5	ND<0.5	0.62	ND<0.5	ND<0.5	h	
	3/7/2008		31.70	5.96	1.1	ND<0.5	16	ND<0.5	ND<0.5	1.2	1.0	ND<0.5	ND<0.5	0.58	ND<0.5	ND<0.5	h	
	6/9/2008		29.36	8.30	1.8	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	2.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	h	
MW-1C 39.49	6/3/2004	Zone C	30.07	9.42	ND<0.5	0.57	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		
	11/23/2004		31.30	8.19	ND<0.5	0.56	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		
	3/14/2005		32.58	6.91	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	ND<0.5	i	
	6/15/2005		30.89	8.60	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	ND<0.5		
	9/19/2005		29.19	10.30	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	ND<0.5	i	
	12/12/2005		30.54	8.95	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	ND<0.5	i	
	3/13/2006		32.99	6.50	--	--	--	--	--	--	--	--	--	--	--	--		
	6/19/2006		30.66	8.83	--	--	--	--	--	--	--	--	--	--	--	--		
	9/20/2006		29.53	9.96	--	--	--	--	--	--	--	--	--	--	--	--		
	12/20/2006		31.13	8.36	--	--	--	--	--	--	--	--	--	--	--	--		
	3/29/2007		31.19	8.30	--	--	--	--	--	--	--	--	--	--	--	--		
	6/11/2007		30.63	8.86	--	--	--	--	--	--	--	--	--	--	--	--		
	9/7/2007		29.60	9.89	--	--	--	--	--	--	--	--	--	--	--	--		
	12/12/2007		30.61	8.88	--	--	--	--	--	--	--	--	--	--	--	--		
	3/7/2008		32.46	7.03	--	--	--	--	--	--	--	--	--	--	--	--		
	6/9/2008		30.07	9.42	--	--	--	--	--	--	--	--	--	--	--	--		
MW-4C 38.50	6/3/2004	Zone C	30.10	8.40	ND<0.5	0.84	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		
	11/23/2004		31.31	7.19	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	ND<0.5		
	3/14/2005		33.15	5.35	--	--	--	--	--	--	--	--	--	--	--	--		
	3/15/2005		--	--	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	ND<0.5	i	

# Conestoga-Rovers & Associates

**Table 3. Monitoring Well Groundwater Analytical Results: Halogenated Volatile Organic Compounds - John Nady, 1137-1167 65th Street, Oakland, California**

Well ID (TOC)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft amsl)	Depth to Water (ft)	µg/L										Notes/Other VOCs		
					Chloroethane	Chloroform	1,1,2,2-Tetrachloroethane	(PCE) Tetrachloroethene	(TCE) Trichloroethene	1,2-Dichlorobenzene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethane	1,2-Dichloroethane		Vinyl Chloride	
MW-4C	6/15/2005		30.85	7.65	--	--	--	--	--	--	--	--	--	--	--	--	
(cont.)	6/16/2005		--	--	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	ND<0.5	
	9/19/2005		25.97	12.53	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2005		--	--	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	ND<0.5	
	12/12/2005		30.00	8.50	--	--	--	--	--	--	--	--	--	--	--	--	
	12/13/2005		--	--	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	ND<0.5	
	3/13/2006		31.18	7.32	--	--	--	--	--	--	--	--	--	--	--	--	
	6/19/2006		30.90	7.60	--	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2006		29.91	8.59	--	--	--	--	--	--	--	--	--	--	--	--	
	12/20/2006		31.21	7.29	--	--	--	--	--	--	--	--	--	--	--	--	
	3/29/2007		31.29	7.21	--	--	--	--	--	--	--	--	--	--	--	--	
	6/11/2007		30.93	7.57	--	--	--	--	--	--	--	--	--	--	--	--	
	9/7/2007		30.20	8.30	--	--	--	--	--	--	--	--	--	--	--	--	
	12/12/2007		31.10	7.40	--	--	--	--	--	--	--	--	--	--	--	--	
	3/7/2008		32.25	6.25	--	--	--	--	--	--	--	--	--	--	--	--	
	6/9/2008		30.35	8.15	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6C	6/3/2004	Zone C	27.89	9.70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.8	ND<0.5	0.61	ND<0.5	ND<0.5	ND<0.5	
37.59	11/23/2004		29.21	8.38	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	ND<0.5	
	3/14/2005		31.79	5.80	ND<0.5	ND<0.5	ND<0.5	1.8	1.9	ND<0.5	12	ND<0.5	1.1	ND<0.5	2.3		
	6/15/2005		30.14	7.45	ND<0.5	ND<0.5	ND<0.5	3.1	3.1	ND<0.5	20	0.64	1.4	ND<0.5	5.7		
	9/19/2005		28.79	8.80	ND<0.5	ND<0.5	ND<0.5	2.9	3.0	ND<0.5	18	0.57	1.3	ND<0.5	6.8		
	12/12/2005		29.81	7.78	0.66	ND<0.5	ND<0.5	3.2	3.0	ND<0.5	19	0.61	1.4	ND<0.5	10		
	3/13/2006		32.09	5.50	ND<0.5	ND<0.5	ND<0.5	3.2	3.9	ND<0.5	26	0.61	0.95	ND<0.5	5.1		
	6/19/2006		29.84	7.75	ND<0.5	ND<0.5	ND<0.5	4.0	3.4	ND<0.5	32	0.78	0.96	ND<0.5	11		
	9/20/2006		28.74	8.85	ND<0.5	ND<0.5	ND<0.5	3.7	4.6	ND<0.5	23	0.76	1.0	ND<0.5	9.4		
	12/20/2006		30.29	7.30	ND<0.5	ND<0.5	ND<0.5	4.1	4.6	ND<0.5	36	0.88	0.92	ND<0.5	13		
	3/29/2007		30.39	7.20	ND<0.5	ND<0.5	ND<0.5	6.0	6.4	ND<0.5	35	1.2	1.1	ND<0.5	5.3		
	6/11/2007		29.86	7.73	ND<0.5	ND<0.5	ND<0.5	6.1	6.4	ND<0.5	26	0.99	0.85	ND<0.5	4.0		
	9/7/2007		28.92	8.67	ND<0.5	ND<0.5	ND<0.5	7.0	6.9	ND<0.5	32	0.99	0.90	ND<0.5	4.2		
	12/12/2007		29.94	7.65	ND<0.5	ND<0.5	ND<0.5	5.0	5.2	ND<0.5	29	0.84	0.87	ND<0.5	3.8		
	3/7/2008		31.63	5.96	ND<0.5	ND<0.5	ND<0.5	5.1	5.5	ND<0.5	28	0.90	0.78	ND<0.5	3.2		
	6/9/2008		29.32	8.27	ND<0.5	ND<0.5	ND<0.5	4.5	5.5	ND<0.5	23	0.72	0.71	ND<0.5	3.5		

**Abbreviations:**

µg/L = micrograms per liter; approximately equal to parts per billion = ppb

(TOC) = Top of casing elevation in feet above mean sea level (msl)

ft = measured in feet

Halogenated Volatile Organic Compounds analyzed by EPA Method SW8260B, reported EPA Method 8010 basic target list.

ND<0.5 = Not Detected above detection limit cited.

-- = Not available, not applicable, not analyzed, not measured

**Notes:**

b = Sample diluted due to high organic content

h = lighter than water immiscible sheen/product is present

i = liquid sample that contains greater than ~1 vol. % sediment

j = sample diluted due to high organic content/matrix interference





**CONESTOGA-ROVERS  
& ASSOCIATES**

## **APPENDIX A**

### **Field Data Sheets**

## WELL GAUGING SHEET

<b>Client:</b> Conestoga-Rovers and Associates						
<b>Site</b> <b>Address:</b> 1137-1167 65th Street, Oakland, CA						
<b>Date:</b> 6/9/2008 <span style="float: right;"><b>Signature:</b></span>						
Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-1A	8:45		4.95		14.40	
MW-1B	8:50		9.00		19.70	
MW-1C	8:55		9.42		34.55	
MW-2A	9:00		4.54		11.15	
MW-3A	9:05		4.85		13.85	
MW-4A	8:15		3.22		12.65	
MW-4B	8:20		5.09		20.75	
MW-4C	8:25		8.15		32.00	
MW-5B	8:10		8.64		23.06	
MW-6A	8:30		5.68		14.09	
MW-6B	8:35		8.30		22.00	



## WELL SAMPLING FORM

<b>Date:</b>		6/9/2008					
<b>Client:</b>		Conestoga-Rovers and Associates					
<b>Site Address:</b>		1137-1167 65th Street, Oakland, CA					
<b>Well ID:</b>		MW-1A					
<b>Well Diameter:</b>		2"					
<b>Purging Device:</b>		Disposable Bailer					
<b>Sampling Method:</b>		Disposable Bailer					
<b>Total Well Depth:</b>		14.40	<b>Fe=</b>		mg/L		
<b>Depth to Water:</b>		4.95	<b>ORP=</b>		mV		
<b>Water Column Height:</b>		9.45	<b>DO=</b>		mg/L		
<b>Gallons/ft:</b>		0.16					
<b>1 Casing Volume (gal):</b>		1.51	<b>COMMENTS:</b> very turbid, silty				
<b>3 Casing Volumes (gal):</b>		4.54					
<b>TIME:</b>	<b>CASING VOLUME (gal)</b>	<b>TEMP (Celsius)</b>				<b>pH</b>	<b>COND. (µS)</b>
12:55	1.5	21.6				8.42	239
1:00	3.0	21.1				8.49	229
1:05	4.5	21.5	8.50	230			
<b>Sample ID:</b>	<b>Sample Date:</b>	<b>Sample Time:</b>	<b>Container Type</b>	<b>Preservative</b>	<b>Analytes</b>	<b>Method</b>	
MW-1A	6/9/2008	1:10	40 ml VOA, 1 L Amber	HCl, ICE	TPHg/ss BTEX TPHd TPHmo HVOCs	8015, with silica gel clean up 8020, 8010	
				<b>Signature:</b>			

## WELL SAMPLING FORM

<b>Date:</b> 6/9/2008						
<b>Client:</b> Conestoga-Rovers and Associates						
<b>Site Address:</b> 1137-1167 65th Street, Oakland, CA						
<b>Well ID:</b> MW-1B						
<b>Well Diameter:</b> 2"						
<b>Purging Device:</b> Disposable Bailer						
<b>Sampling Method:</b> Disposable Bailer						
<b>Total Well Depth:</b>	19.70	<b>Fe=</b>	<b>mg/L</b>			
<b>Depth to Water:</b>	9.00	<b>ORP=</b>	<b>mV</b>			
<b>Water Column Height:</b>	10.70	<b>DO=</b>	<b>mg/L</b>			
<b>Gallons/ft:</b>	0.16					
<b>1 Casing Volume (gal):</b>	1.71	<b>COMMENTS:</b> very turbid, silty				
<b>3 Casing Volumes (gal):</b>	5.14					
<b>TIME:</b>	<b>CASING VOLUME (gal)</b>			<b>TEMP (Celsius)</b>	<b>pH</b>	<b>COND. (µS)</b>
11:45	1.7			19.9	6.59	1614
12:05	3.4	20.2	6.55	1610		
12:30	5.1	20.0	6.57	1598		
<b>Sample ID:</b>	<b>Sample Date:</b>	<b>Sample Time:</b>	<b>Container Type</b>	<b>Preservative</b>	<b>Analytes</b>	<b>Method</b>
MW-1B	6/9/2008	12:45	40 ml VOA	HCl, ICE	HVOCs	8010
<b>Signature:</b>						

## WELL SAMPLING FORM

<b>Date:</b>		6/9/2008				
<b>Client:</b>		Conestoga-Rovers and Associates				
<b>Site Address:</b>		1137-1167 65th Street, Oakland, CA				
<b>Well ID:</b>		MW-2A				
<b>Well Diameter:</b>		4"				
<b>Purging Device:</b>		3" PVC Bailer				
<b>Sampling Method:</b>		Disposable Bailer				
<b>Total Well Depth:</b>		11.15	<b>Fe=</b> <b>mg/L</b>			
<b>Depth to Water:</b>		4.54	<b>ORP=</b> <b>mV</b>			
<b>Water Column Height:</b>		6.61	<b>DO=</b> <b>mg/L</b>			
<b>Gallons/ft:</b>		0.65				
<b>1 Casing Volume (gal):</b>		4.30	<b>COMMENTS:</b> very turbid, very silty			
<b>3 Casing Volumes (gal):</b>		12.89				
<b>TIME:</b>	<b>CASING VOLUME (gal)</b>	<b>TEMP (Celsius)</b>			<b>pH</b>	<b>COND. (µS)</b>
1:50	4.3	20.4			8.90	289
1:55	8.6	20.7			8.82	298
2:00	12.9	20.5	8.81	298		
<b>Sample ID:</b>	<b>Sample Date:</b>	<b>Sample Time:</b>	<b>Container Type</b>	<b>Preservative</b>	<b>Analytes</b>	<b>Method</b>
MW-2A	6/9/2008	2:05	40 ml VOA, 1 L Amber	HCl, ICE	TPHg/ss BTEX TPHd TPHmo	8015, with silica gel clean up 8020
<b>Signature:</b>						

## WELL SAMPLING FORM

<b>Date:</b> 6/9/2008						
<b>Client:</b> Conestoga-Rovers and Associates						
<b>Site Address:</b> 1137-1167 65th Street, Oakland, CA						
<b>Well ID:</b> MW-3A						
<b>Well Diameter:</b> 2"						
<b>Purging Device:</b> Disposable Bailer						
<b>Sampling Method:</b> Disposable Bailer						
<b>Total Well Depth:</b>	13.85					
<b>Depth to Water:</b>	4.85					
<b>Water Column Height:</b>	9.00					
<b>Gallons/ft:</b>	0.16					
<b>1 Casing Volume (gal):</b>	1.44					
<b>3 Casing Volumes (gal):</b>	4.32					
<b>Fe=</b> mg/L						
<b>ORP=</b> mV						
<b>DO=</b> mg/L						
<b>COMMENTS:</b> very turbid, silty, light sheen						
<b>TIME:</b>	<b>CASING VOLUME (gal)</b>	<b>TEMP (Celsius)</b>	<b>pH</b>	<b>COND. (µS)</b>		
2:20	1.4	20.2	7.20	893		
2:25	2.9	19.7	7.15	890		
2:30	4.3	19.7	7.14	892		
<b>Sample ID:</b>	<b>Sample Date:</b>	<b>Sample Time:</b>	<b>Container Type</b>	<b>Preservative</b>	<b>Analytes</b>	<b>Method</b>
MW-3A	6/9/2008	2:35	40 ml VOA, 1 L Amber	HCl, ICE	TPHg/ss BTEX TPHd TPHmo HVOCS	8015, with silica gel clean up 8020, 8010
<b>Signature:</b>						

## WELL SAMPLING FORM

<b>Date:</b> 6/9/2008						
<b>Client:</b> Conestoga-Rovers and Associates						
<b>Site Address:</b> 1137-1167 65th Street, Oakland, CA						
<b>Well ID:</b> MW-4A						
<b>Well Diameter:</b> 2"						
<b>Purging Device:</b> Disposable Bailer						
<b>Sampling Method:</b> Disposable Bailer						
<b>Total Well Depth:</b> 12.65	<b>Fe=</b> mg/L					
<b>Depth to Water:</b> 3.22	<b>ORP=</b> mV					
<b>Water Column Height:</b> 9.43	<b>DO=</b> mg/L					
<b>Gallons/ft:</b> 0.16						
<b>1 Casing Volume (gal):</b> 1.51	<b>COMMENTS:</b> turbid					
<b>3 Casing Volumes (gal):</b> 4.53						
<b>TIME:</b>	<b>CASING VOLUME (gal)</b>	<b>TEMP (Celsius)</b>	<b>pH</b>	<b>COND. (µS)</b>		
1:25	1.5	22.7	9.97	625		
1:30	3.0	21.9	10.05	620		
1:35	4.5	21.8	10.05	640		
<b>Sample ID:</b>	<b>Sample Date:</b>	<b>Sample Time:</b>	<b>Container Type</b>	<b>Preservative</b>	<b>Analytes</b>	<b>Method</b>
MW-4A	6/9/2008	1:40	40 ml VOA, 1 L Amber	HCl, ICE	TPHg/ss BTEX TPHd TPHmo	8015, with silica gel clean up 8020
						<b>Signature:</b>



## WELL SAMPLING FORM

<b>Date:</b> 6/9/2008						
<b>Client:</b> Conestoga-Rovers and Associates						
<b>Site Address:</b> 1137-1167 65th Street, Oakland, CA						
<b>Well ID:</b> MW-6A						
<b>Well Diameter:</b> 2"						
<b>Purging Device:</b> Disposable Bailer						
<b>Sampling Method:</b> Disposable Bailer						
<b>Total Well Depth:</b> 14.09	<b>Fe=</b> mg/L					
<b>Depth to Water:</b> 5.68	<b>ORP=</b> mV					
<b>Water Column Height:</b> 8.41	<b>DO=</b> mg/L					
<b>Gallons/ft:</b> 0.16						
<b>1 Casing Volume (gal):</b> 1.35	<b>COMMENTS:</b> very turbid, silty					
<b>3 Casing Volumes (gal):</b> 4.04						
<b>TIME:</b>		<b>CASING VOLUME (gal)</b>	<b>TEMP (Celsius)</b>	<b>pH</b>	<b>COND. (µS)</b>	
11:05		1.3	21.2	6.82	662	
11:10		2.7	20.7	6.84	602	
11:15	4.0	20.5	6.82	644		
<b>Sample ID:</b>	<b>Sample Date:</b>	<b>Sample Time:</b>	<b>Container Type</b>	<b>Preservative</b>	<b>Analytes</b>	<b>Method</b>
MW-6A	6/9/2008	11:20	40 ml VOA, 1 L Amber	HCl, ICE	TPHg/ss BTEX TPHd TPHmo HVOCs	8015, with silica gel clean up 8020, 8010
				<b>Signature:</b>		

## WELL SAMPLING FORM

<b>Date:</b> 6/9/2008						
<b>Client:</b> Conestoga-Rovers and Associates						
<b>Site Address:</b> 1137-1167 65th Street, Oakland, CA						
<b>Well ID:</b> MW-6B						
<b>Well Diameter:</b> 2"						
<b>Purging Device:</b> Disposable Bailer						
<b>Sampling Method:</b> Disposable Bailer						
<b>Total Well Depth:</b> 22.00	<b>Fe=</b> mg/L					
<b>Depth to Water:</b> 8.30	<b>ORP=</b> mV					
<b>Water Column Height:</b> 13.70	<b>DO=</b> mg/L					
<b>Gallons/ft:</b> 0.16						
<b>1 Casing Volume (gal):</b> 2.19	<b>COMMENTS:</b> turbid					
<b>3 Casing Volumes (gal):</b> 6.58						
<b>TIME:</b>		<b>CASING VOLUME (gal)</b>	<b>TEMP (Celsius)</b>	<b>pH</b>	<b>COND. (µS)</b>	
10:30		2.2	18.8	6.95	1044	
10:35		4.4	18.6	6.99	1072	
10:40	6.6	18.9	6.92	1061		
<b>Sample ID:</b>	<b>Sample Date:</b>	<b>Sample Time:</b>	<b>Container Type</b>	<b>Preservative</b>	<b>Analytes</b>	<b>Method</b>
MW-6B	6/9/2008	10:45	40 ml VOA, 1 L Amber	HCl, ICE	TPHg/ss BTEX TPHd TPHmo HVOCs	8015, with silica gel clean up 8020, 8010
<b>Signature:</b>						

## WELL SAMPLING FORM

<b>Date:</b> 6/9/2008						
<b>Client:</b> Conestoga-Rovers and Associates						
<b>Site Address:</b> 1137-1167 65th Street, Oakland, CA						
<b>Well ID:</b> MW-6C						
<b>Well Diameter:</b> 2"						
<b>Purging Device:</b> Disposable Bailer						
<b>Sampling Method:</b> Disposable Bailer						
<b>Total Well Depth:</b> 33.80	<b>Fe=</b> mg/L					
<b>Depth to Water:</b> 8.27	<b>ORP=</b> mV					
<b>Water Column Height:</b> 25.53	<b>DO=</b> mg/L					
<b>Gallons/ft:</b> 0.16						
<b>1 Casing Volume (gal):</b> 4.08	<b>COMMENTS:</b>					
<b>3 Casing Volumes (gal):</b> 12.25						
<b>TIME:</b>						
<b>CASING VOLUME (gal)</b>						
<b>TEMP (Celsius)</b>						
<b>pH</b>						
<b>COND. (µS)</b>						
9:50	4.1	21.0	6.78	1009		
10:00	8.2	20.0	6.72	1031		
10:10	12.3	20.3	6.72	1038		
<b>Sample ID:</b>	<b>Sample Date:</b>	<b>Sample Time:</b>	<b>Container Type</b>	<b>Preservative</b>	<b>Analytes</b>	<b>Method</b>
MW-6C	6/9/2008	10:15	40 ml VOA	HCl, ICE	HVOCs	8010
<b>Signature:</b>						

## WELL SAMPLING FORM

<b>Date:</b> 6/9/2008						
<b>Client:</b> Conestoga-Rovers and Associates						
<b>Site Address:</b> 1137-1167 65th Street, Oakland, CA						
Well ID: MW-7A						
Well Diameter: 1"						
Purging Device: Check Valve Tubing						
Sampling Method: Disposable Bailer						
Total Well Depth:	10.00	Fe=	mg/L			
Depth to Water:	5.23	ORP=	mV			
Water Column Height:	4.77	DO=	mg/L			
Gallons/ft:	0.04					
1 Casing Volume (gal):	0.19	<b>COMMENTS:</b> very turbid, very silty				
3 Casing Volumes (gal):	0.57					
<b>TIME:</b>	<b>CASING VOLUME (gal)</b>			<b>TEMP (Celsius)</b>	<b>pH</b>	<b>COND. (µS)</b>
9:15	0.2			18.6	6.71	941
9:20	0.4	17.7	6.69	947		
9:25	0.6	17.9	6.66	950		
<b>Sample ID:</b>	<b>Sample Date:</b>	<b>Sample Time:</b>	<b>Container Type</b>	<b>Preservative</b>	<b>Analytes</b>	<b>Method</b>
MW-7A	6/9/2008	9:30	40 ml VOA, 1 L Amber	HCl, ICE	TPHg/ss BTEX TPHd TPHmo HVOCs	8015, with silica gel clean up 8020, 8010
				<b>Signature:</b>		



**CONESTOGA-ROVERS  
& ASSOCIATES**

## **APPENDIX B**

### **Laboratory Analytical Report**



**McC Campbell Analytical, Inc.**

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701  
Web: www.mccampbell.com E-mail: main@mccampbell.com  
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #521000; John Nady	Date Sampled: 06/09/08
		Date Received: 06/09/08
	Client Contact: Mark Jonas	Date Reported: 06/13/08
	Client P.O.:	Date Completed: 06/13/08

**WorkOrder: 0806224**

June 13, 2008

Dear Mark:

Enclosed within are:

- 1) The results of the 9 analyzed samples from your project: **#521000; John Nady**,
- 2) A QC report for the above samples,
- 3) A copy of the chain of custody, and
- 4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius  
Laboratory Manager  
McC Campbell Analytical, Inc.

0806224

**McCAMPBELL ANALYTICAL, INC.**

1534 WILLOW PASS ROAD  
PITTSBURG, CA 94565-1701

Website: [www.mccampbell.com](http://www.mccampbell.com) Email: [main@mccampbell.com](mailto:main@mccampbell.com)  
Telephone: (877) 252-9262 Fax: (925) 252-9269

**CHAIN OF CUSTODY RECORD**

TURN AROUND TIME

RUSH  24 HR  48 HR  72 HR  5 DAY

GeoTracker EDF  PDF  Excel  Write On (DW)

Report To: Mark Jones Bill To: Conestoga-Rovers & Associates  
Company: Conestoga-Rovers & Associates  
5900 HAYS ST. STE A  
EMERYVILLE, CA  
E-Mail: m.jones@conestoga.com  
Tele: (510) 470-3307 Fax: (510) 470-9170  
Project #: 521000 Project Name: John Nady  
Project Location: 1137-1167 65th St., Oakland, CA  
Sampler Signature: Muskan Environmental Sampling

Analysis Request

MTBE / BTEX & TPH as Gas (603 / 8021 + 8015)  
 MTBE / BTEX ONLY (EPA 602 / 8021)  
 TPH as Diesel / Motor Oil (8015) CRD on camp  
 Total Petroleum Oil & Grease (1664 / 5520 E/B&F)  
 Total Petroleum Hydrocarbons (118.1)  
 EPA 802.2 / 601 / 8010 / 8021 (11VOCs)  
 EPA 505 / 608 / 8081 (CI Pesticides)  
 EPA 608 / 8082 PCB'S ONLY; Aroclors / Congeners  
 EPA 507 / 8141 (NP Pesticides)  
 EPA 515 / 8151 (Acidic Chlorides)  
 EPA 524.2 / 624 / 8260 (VOCs)  
 EPA 525.2 / 625 / 8270 (SVOCs)  
 EPA 8270 SIM / 8310 (PAHs / PNAs)  
 CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)  
TPH/g/SS & BTEX by 8015/8021

Other Comments

Filter Samples for Metals analysis: Yes / No

+1  
+1  
+1  
+1  
+  
+1  
+  
(+)  
+1

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED				Analysis Request	Other	Comments		
		Date	Time			Water	Soil	Air	Sludge	Other	ICE	HCL	HNO <sub>3</sub>	Other					
MW-1A		6-9-08	1:10	2	Amb VOC												X		
MW-1B			12:45	4	VOC													X	
MW-2A			2:05	2	Amb VOC													X	
MW-3A			2:35	2	Amb VOC													X	
MW-4A			1:40	2	Amb VOC													X	
MW-6A			11:20	2	Amb VOC													X	
MW-6B			10:45	2	Amb VOC													X	
MW-6C			10:15	4	VOC													X	
MW-7A			9:30	5	Amb VOC													X	

Relinquished By: [Signature] Date: 6/9/08 Time: 4:30pm Received By: [Signature]  
Relinquished By: Date: Time: Received By:  
Relinquished By: Date: Time: Received By:

ICE/C 325  
GOOD CONDITION ✓  
HEAD SPACE ABSENT ✓  
DECHLORINATED IN LAB ✓  
APPROPRIATE CONTAINERS ✓  
PRESERVED IN LAB ✓  
PRESERVATION HOAS O&G METALS OTHER  
pH-2

**McC Campbell Analytical, Inc.**



1534 Willow Pass Rd  
Pittsburg, CA 94565-1701  
(925) 252-9262

**CHAIN-OF-CUSTODY RECORD**

WorkOrder: 0806224

ClientCode: CETE

WriteOn     EDF     Excel     Fax     Email     HardCopy     ThirdParty     J-flag

Report to:

Mark Jonas  
Conestoga-Rovers & Associates  
5900 Hollis St, Suite A  
Emeryville, CA 94608  
(510) 420-0700    FAX (510) 420-9170

Email: mjonas@CRAworld.com  
cc:  
PO:  
ProjectNo: #521000; John Nady

Bill to:

Accounts Payable  
Conestoga-Rovers & Associates  
5900 Hollis St, Ste. A  
Emeryville, CA 94608

Requested TAT: 5 days

Date Received: 06/09/2008

Date Printed: 06/09/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
0806224-001	MW-1A	Water	6/9/2008 13:10	<input type="checkbox"/>	B	C	A										
0806224-002	MW-1B	Water	6/9/2008 12:45	<input type="checkbox"/>	A												
0806224-003	MW-2A	Water	6/9/2008 14:05	<input type="checkbox"/>		B	A										
0806224-004	MW-3A	Water	6/9/2008 14:35	<input type="checkbox"/>	C	B	A										
0806224-005	MW-4A	Water	6/9/2008 13:40	<input type="checkbox"/>		B	A										
0806224-006	MW-6A	Water	6/9/2008 11:20	<input type="checkbox"/>	B	C	A										
0806224-007	MW-6B	Water	6/9/2008 10:45	<input type="checkbox"/>	B	C	A										
0806224-008	MW-6C	Water	6/9/2008 10:15	<input type="checkbox"/>	A												
0806224-009	MW-7A	Water	6/9/2008 9:30	<input type="checkbox"/>	B	C	A										

Test Legend:

1 8010BMS W  
6  
11

2 G-MBTEX W  
7  
12

3 TPH(DMO)WSG W  
8

4  
9

5  
10

Prepared by: Samantha Arbuckle

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).  
Hazardous samples will be returned to client or disposed of at client expense.





### Sample Receipt Checklist

Client Name: **Conestoga-Rovers & Associates**

Date and Time Received: **6/9/2008 6:01:48 PM**

Project Name: **#521000; John Nady**

Checklist completed and reviewed by: **Samantha Arbuckle**

WorkOrder N°: **0806224** Matrix Water

Carrier: Client Drop-In

#### Chain of Custody (COC) Information

- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Sample IDs noted by Client on COC? Yes  No
- Date and Time of collection noted by Client on COC? Yes  No
- Sampler's name noted on COC? Yes  No

#### Sample Receipt Information

- Custody seals intact on shipping container/cooler? Yes  No  NA
- Shipping container/cooler in good condition? Yes  No
- Samples in proper containers/bottles? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No

#### Sample Preservation and Hold Time (HT) Information

- All samples received within holding time? Yes  No
- Container/Temp Blank temperature Cooler Temp: 3.2°C NA
- Water - VOA vials have zero headspace / no bubbles? Yes  No  No VOA vials submitted
- Sample labels checked for correct preservation? Yes  No
- TTLIC Metal - pH acceptable upon receipt (pH<2)? Yes  No  NA

\* NOTE: If the "No" box is checked, see comments below.

-----

Client contacted:

Date contacted:

Contacted by:

Comments:



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"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701  
Web: www.mcccampbell.com E-mail: main@mcccampbell.com  
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #521000; John Nady	Date Sampled: 06/09/08
	Client Contact: Mark Jonas	Date Received: 06/09/08
	Client P.O.:	Date Extracted: 06/10/08-06/11/08
		Date Analyzed: 06/10/08-06/11/08

## Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)\*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0806224

Lab ID	0806224-001B	0806224-002A	0806224-004C	0806224-006B	Reporting Limit for DF=1	
Client ID	MW-1A	MW-1B	MW-3A	MW-6A	S	W
Matrix	W	W	W	W		
DF	1	1	5	1		

Compound	Concentration				µg/kg	µg/L
Bromodichloromethane	ND	ND	ND<2.5	ND	NA	0.5
Bromoform	ND	ND	ND<2.5	ND	NA	0.5
Bromomethane	ND	ND	ND<2.5	ND	NA	0.5
Carbon Tetrachloride	ND	ND	ND<2.5	ND	NA	0.5
Chlorobenzene	ND	ND	98	0.53	NA	0.5
Chloroethane	ND	ND	ND<2.5	11	NA	0.5
Chloroform	ND	ND	ND<2.5	ND	NA	0.5
Chloromethane	ND	ND	ND<2.5	ND	NA	0.5
Dibromochloromethane	ND	ND	ND<2.5	ND	NA	0.5
1,2-Dibromoethane (EDB)	ND	ND	ND<2.5	ND	NA	0.5
1,2-Dichlorobenzene	ND	ND	22	ND	NA	0.5
1,3-Dichlorobenzene	ND	ND	ND<2.5	ND	NA	0.5
1,4-Dichlorobenzene	ND	ND	6.2	ND	NA	0.5
Dichlorodifluoromethane	ND	ND	ND<2.5	ND	NA	0.5
1,1-Dichloroethane	1.8	8.9	ND<2.5	ND	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	5.3	ND<2.5	ND	NA	0.5
1,1-Dichloroethene	ND	ND	ND<2.5	ND	NA	0.5
cis-1,2-Dichloroethene	11	11	ND<2.5	ND	NA	0.5
trans-1,2-Dichloroethene	1.1	ND	ND<2.5	ND	NA	0.5
1,2-Dichloropropane	ND	ND	ND<2.5	ND	NA	0.5
cis-1,3-Dichloropropene	ND	ND	ND<2.5	ND	NA	0.5
trans-1,3-Dichloropropene	ND	ND	ND<2.5	ND	NA	0.5
Freon 113	ND	ND	ND<50	ND	NA	10
Methylene chloride	ND	ND	ND<2.5	ND	NA	0.5
1,1,1,2-Tetrachloroethane	ND	ND	ND<2.5	ND	NA	0.5
1,1,2,2-Tetrachloroethane	ND	ND	ND<2.5	ND	NA	0.5
Tetrachloroethene	11	ND	ND<2.5	ND	NA	0.5
1,1,1-Trichloroethane	ND	ND	ND<2.5	ND	NA	0.5
1,1,2-Trichloroethane	ND	ND	ND<2.5	ND	NA	0.5
Trichloroethene	9.0	ND	ND<2.5	ND	NA	0.5
Trichlorofluoromethane	ND	ND	ND<2.5	ND	NA	0.5
Vinyl Chloride	2.4	ND	ND<2.5	ND	NA	0.5

### Surrogate Recoveries (%)

	102	97	99	101
%SS1:				
%SS2:	85	100	100	96
%SS3:	107	105	99	86
Comments	i	i	h,i	h,i

\* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

# surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



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Web: www.mcccampbell.com E-mail: main@mcccampbell.com  
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #521000; John Nady	Date Sampled: 06/09/08
		Date Received: 06/09/08
	Client Contact: Mark Jonas	Date Extracted: 06/10/08-06/11/08
	Client P.O.:	Date Analyzed: 06/10/08-06/11/08

## Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)\*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0806224

Lab ID	0806224-007B	0806224-008A	0806224-009B	Reporting Limit for DF =1	
Client ID	MW-6B	MW-6C	MW-7A	S	W
Matrix	W	W	W		
DF	2	1	10		

Compound	Concentration			µg/kg	µg/L
Bromodichloromethane	ND<1.0	ND	ND<5.0	NA	0.5
Bromoform	ND<1.0	ND	ND<5.0	NA	0.5
Bromomethane	ND<1.0	ND	ND<5.0	NA	0.5
Carbon Tetrachloride	ND<1.0	ND	ND<5.0	NA	0.5
Chlorobenzene	ND<1.0	ND	ND<5.0	NA	0.5
Chloroethane	1.8	ND	ND<5.0	NA	0.5
Chloroform	ND<1.0	ND	ND<5.0	NA	0.5
Chloromethane	ND<1.0	ND	ND<5.0	NA	0.5
Dibromochloromethane	ND<1.0	ND	ND<5.0	NA	0.5
1,2-Dibromoethane (EDB)	ND<1.0	ND	ND<5.0	NA	0.5
1,2-Dichlorobenzene	ND<1.0	ND	ND<5.0	NA	0.5
1,3-Dichlorobenzene	ND<1.0	ND	ND<5.0	NA	0.5
1,4-Dichlorobenzene	ND<1.0	ND	ND<5.0	NA	0.5
Dichlorodifluoromethane	ND<1.0	ND	ND<5.0	NA	0.5
1,1-Dichloroethane	ND<1.0	0.71	ND<5.0	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<1.0	ND	ND<5.0	NA	0.5
1,1-Dichloroethene	ND<1.0	ND	ND<5.0	NA	0.5
cis-1,2-Dichloroethene	2.5	23	ND<5.0	NA	0.5
trans-1,2-Dichloroethene	ND<1.0	0.72	ND<5.0	NA	0.5
1,2-Dichloropropane	ND<1.0	ND	ND<5.0	NA	0.5
cis-1,3-Dichloropropene	ND<1.0	ND	ND<5.0	NA	0.5
trans-1,3-Dichloropropene	ND<1.0	ND	ND<5.0	NA	0.5
Freon 113	ND<20	ND	ND<100	NA	10
Methylene chloride	ND<1.0	ND	ND<5.0	NA	0.5
1,1,1,2-Tetrachloroethane	ND<1.0	ND	ND<5.0	NA	0.5
1,1,2,2-Tetrachloroethane	ND<1.0	ND	ND<5.0	NA	0.5
Tetrachloroethene	ND<1.0	4.5	ND<5.0	NA	0.5
1,1,1-Trichloroethane	ND<1.0	ND	ND<5.0	NA	0.5
1,1,2-Trichloroethane	ND<1.0	ND	ND<5.0	NA	0.5
Trichloroethene	ND<1.0	5.5	ND<5.0	NA	0.5
Trichlorofluoromethane	ND<1.0	ND	ND<5.0	NA	0.5
Vinyl Chloride	ND<1.0	3.5	ND<5.0	NA	0.5

### Surrogate Recoveries (%)

%SS1:	97	97	99
%SS2:	96	105	104
%SS3:	85	112	91
Comments	h		j,h,i

\* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

# surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



# McC Campbell Analytical, Inc.

"When Quality Counts"

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Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #521000; John Nady	Date Sampled: 06/09/08
		Date Received: 06/09/08
	Client Contact: Mark Jonas	Date Extracted: 06/11/08
	Client P.O.:	Date Analyzed 06/11/08

### Gasoline (C6-C12) & Stoddard Solvent (C9-C12) Range Volatile Hydrocarbons as Gasoline w/BTEX & MTBE\*

Extraction Method: SW5030B

Analytical Method: SW8021B/8015Cm

Work Order: 0806224

Lab ID	0806224-001C	0806224-003B	0806224-004B	0806224-005B	Reporting Limit for DF =1	
Client ID	MW-1A	MW-2A	MW-3A	MW-4A		
Matrix	W	W	W	W		
DF	5	1	50	1		

Compound	Concentration				ug/kg	µg/L
TPH(g)	2200	180	7500	ND	NA	50
TPH(ss)	2500	180	16,000	ND	NA	50
MTBE	ND<25	ND	ND<250	ND	NA	5.0
Benzene	ND<2.5	ND	ND<25	ND	NA	0.5
Toluene	ND<2.5	ND	ND<25	0.94	NA	0.5
Ethylbenzene	3.4	ND	ND<25	ND	NA	0.5
Xylenes	8.1	ND	ND<25	1.5	NA	0.5

### Surrogate Recoveries (%)

%SS:	110	106	96	101	
Comments	e,m,i	e,m,i	e,h,i		

\* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

# cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; p) see attached narrative.



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Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #521000; John Nady	Date Sampled: 06/09/08
		Date Received: 06/09/08
	Client Contact: Mark Jonas	Date Extracted: 06/11/08
	Client P.O.:	Date Analyzed 06/11/08

### Gasoline (C6-C12) & Stoddard Solvent (C9-C12) Range Volatile Hydrocarbons as Gasoline w/BTEX & MTBE\*

Extraction Method: SW5030B

Analytical Method: SW8021B/8015Cm

Work Order: 0806224

Lab ID	0806224-006C	0806224-007C	0806224-009C		Reporting Limit for DF =1	
Client ID	MW-6A	MW-6B	MW-7A			
Matrix	W	W	W			
DF	20	50	50			

Compound	Concentration			ug/kg	µg/L
TPH(g)	7900	9500	35,000	NA	50
TPH(ss)	16,000	20,000	68,000	NA	50
MTBE	ND<100	ND<250	ND<250	NA	5.0
Benzene	ND<10	ND<25	ND<25	NA	0.5
Toluene	ND<10	ND<25	ND<25	NA	0.5
Ethylbenzene	ND<10	ND<25	ND<25	NA	0.5
Xylenes	ND<10	ND<25	ND<25	NA	0.5

### Surrogate Recoveries (%)

%SS:	99	90	91	
Comments	e,h,i	e,h	e,h,i	

\* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

# cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; p) see attached narrative.



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Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #521000; John Nady	Date Sampled: 06/09/08
	Client Contact: Mark Jonas	Date Received: 06/09/08
	Client P.O.:	Date Extracted: 06/09/08
		Date Analyzed: 06/10/08-06/13/08

### Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up\*

Extraction method: SW3510C/3630C

Analytical methods: SW8015C

Work Order: 0806224

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0806224-001A	MW-1A	W	2000,n,i	ND	1	112
0806224-003A	MW-2A	W	150,d,i	ND	1	118
0806224-004A	MW-3A	W	20,000,n,h,i	ND<1200	5	84
0806224-005A	MW-4A	W	66,b,f	ND	1	100
0806224-006A	MW-6A	W	7200,n,h,i	290	1	112
0806224-007A	MW-6B	W	81,000,n,h	ND<5000	20	94
0806224-009A	MW-7A	W	150,000,n,h,i	ND<12,000	50	103

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	250	µg/L
	S	NA	NA	mg/Kg

\* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

#) cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract; &) low or no surrogate due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant; d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to matrix interference; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; p) see attached narrative.



**QC SUMMARY REPORT FOR SW8260B**

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0806224

EPA Method SW8260B	Extraction SW5030B			BatchID: 36180					Spiked Sample ID: 0806215-010B			
	Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)		
		µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD
Chlorobenzene	ND	10	106	108	2.79	95.2	95.2	0	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	111	114	2.49	95.9	95	0.925	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	108	115	5.59	108	108	0	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	82	82.4	0.475	90.7	88.6	2.39	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	114	118	3.22	106	105	0.850	70 - 130	30	70 - 130	30
%SS1:	100	25	94	96	1.61	99	100	0.842	70 - 130	30	70 - 130	30
%SS2:	101	25	107	108	1.02	96	96	0	70 - 130	30	70 - 130	30
%SS3:	100	25	113	115	1.11	113	115	2.52	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

**BATCH 36180 SUMMARY**

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806224-001B	06/09/08 1:10 PM	06/10/08	06/10/08 5:49 PM	0806224-002A	06/09/08 12:45 PM	06/11/08	06/11/08 6:19 PM
0806224-004C	06/09/08 2:35 PM	06/11/08	06/11/08 3:47 PM	0806224-006B	06/09/08 11:20 AM	06/11/08	06/11/08 4:26 PM
0806224-007B	06/09/08 10:45 AM	06/11/08	06/11/08 5:05 PM	0806224-008A	06/09/08 10:15 AM	06/10/08	06/10/08 11:34 PM
0806224-009B	06/09/08 9:30 AM	06/11/08	06/11/08 12:18 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and freon 113 may occasionally appear in the method blank at low levels.



**QC SUMMARY REPORT FOR SW8021B/8015Cm**

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0806224

EPA Method SW8021B/8015Cm		Extraction SW5030B			BatchID: 36185			Spiked Sample ID: 0806247-001B				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex) <sup>£</sup>	ND	60	98.8	93.9	5.11	87	90.4	3.91	70 - 130	20	70 - 130	20
MTBE	ND	10	100	97.5	2.93	78.2	84.1	7.18	70 - 130	20	70 - 130	20
Benzene	ND	10	97.5	95.2	2.39	82.8	84.6	2.16	70 - 130	20	70 - 130	20
Toluene	ND	10	94.7	93.9	0.852	82.7	84.7	2.38	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	101	97.6	3.11	83.9	85.6	2.01	70 - 130	20	70 - 130	20
Xylenes	ND	30	112	108	3.46	80.5	81.7	1.46	70 - 130	20	70 - 130	20
%SS:	96	10	95	98	3.07	97	98	1.63	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:  
NONE

**BATCH 36185 SUMMARY**

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806224-001C	06/09/08 1:10 PM	06/11/08	06/11/08 5:34 PM	0806224-003B	06/09/08 2:05 PM	06/11/08	06/11/08 6:05 PM
0806224-004B	06/09/08 2:35 PM	06/11/08	06/11/08 7:07 AM	0806224-005B	06/09/08 1:40 PM	06/11/08	06/11/08 2:22 PM
0806224-006C	06/09/08 11:20 AM	06/11/08	06/11/08 8:14 AM	0806224-007C	06/09/08 10:45 AM	06/11/08	06/11/08 8:48 AM
0806224-009C	06/09/08 9:30 AM	06/11/08	06/11/08 9:22 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

# cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.





**QC SUMMARY REPORT FOR SW8015C**

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0806224

EPA Method SW8015C	Extraction SW3510C/3630C			BatchID: 36089			Spiked Sample ID: N/A					
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	98.4	101	2.23	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	107	109	2.04	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:  
NONE

BATCH 36089 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0806224-001A	06/09/08 1:10 PM	06/09/08	06/11/08 11:42 PM	0806224-003A	06/09/08 2:05 PM	06/09/08	06/12/08 12:49 AM
0806224-004A	06/09/08 2:35 PM	06/09/08	06/13/08 12:25 PM	0806224-005A	06/09/08 1:40 PM	06/09/08	06/12/08 4:09 AM
0806224-006A	06/09/08 11:20 AM	06/09/08	06/11/08 12:11 AM	0806224-007A	06/09/08 10:45 AM	06/09/08	06/11/08 2:29 AM
0806224-009A	06/09/08 9:30 AM	06/09/08	06/11/08 10:25 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.