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March 7, 2008

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

Re: **Groundwater Monitoring Report – Fourth Quarter 2007**
1137-1167 65th Street, Oakland, California 94608
CRA Project No. 521000
Fuel Leak Case No. RO0000082

Dear Ms. Drogos:

On behalf of Mr. John Nady, Conestoga-Rovers & Associates, Inc. (CRA) is submitting this *Groundwater Monitoring Report – Fourth Quarter 2007*. Presented in this report are a summary of the field activities and results from the fourth quarter 2007 groundwater monitoring event. In addition, this report contains recommendations for first 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 – Fourth Quarter 2007

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

QMR 4Q07 Nady 521000.doc

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GROUNDWATER MONITORING REPORT – FOURTH QUARTER 2007

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

March 7, 2008

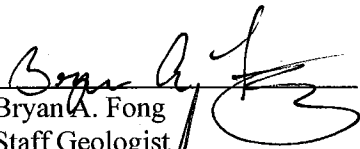
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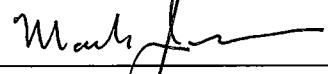
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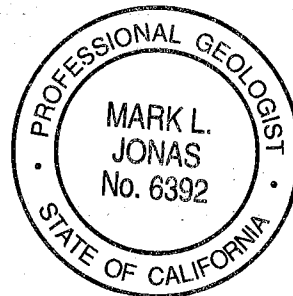
Prepared by:

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

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Bryan A. Fong
Staff Geologist


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





**CONESTOGA-ROVERS
& ASSOCIATES**

GROUNDWATER MONITORING REPORT – FOURTH QUARTER 2007

**1137-1167 65th Street
Oakland, California 94608
CRA Project No. 521000
Fuel Leak Case No. RO000082**

March 7, 2008

INTRODUCTION

This report describes the fourth quarter 2007 groundwater monitoring activities performed at 1137-1167 65th 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 fourth quarter 2007 monitoring event. In addition, this report contains recommendations for first quarter 2008 activities.

MONITORING ACTIVITIES

CRA coordinated with Muskan Environmental Sampling (MES) to perform quarterly groundwater monitoring activities at the site. On December 12, 2007, 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 schedule was revised 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. Copies of the field data sheets are included as Appendix A.



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. 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 TPH_d, TPH_{mo}, TPH_{ss}, and TPH_g 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 TPH_d and TPH_{mo} 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 65 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 December 12, 2007 ranged from 2.46 to 8.90 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 groundwater flow direction in the A-zone was southwest with a gradient of approximately 0.02 feet per foot (ft/ft) (Figure 2). The groundwater flow direction in the B-zone was predominantly southwest with a gradient of approximately 0.02 ft/ft (Figure 3). The groundwater flow direction in the C-zone was southwest with a gradient of approximately 0.007 ft/ft (Figure 4). The groundwater flow direction and gradient in the A-zone, B-zone, and C-zone are generally consistent with historical results. The A-zone is defined as the first encountered groundwater bearing zone from approximately 5 feet below ground surface (ft bgs) to 15 ft bgs. A-zone monitoring wells are MW-1A, MW-2A, MW-3A, MW-4A, MW-6A, and MW-7A. The B-zone is defined as the second encountered groundwater bearing zone from approximately 16 ft bgs to 22 ft bgs. B-zone monitoring wells are MW-1B, MW-4B, MW-5B, and MW-6B. The C-zone is defined as the third encountered groundwater bearing zone from approximately 28 ft bgs to 40 ft bgs. C-zone monitoring wells are MW-1C, MW-4C, and MW-6C. Rose diagrams depicting historical groundwater flow directions for the A, B, and C-zones are presented on the figures. 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. The highest TPHd, TPHg, and TPHss concentrations were detected in well MW-7A at 45,000 micrograms per liter ($\mu\text{g/L}$), 13,000 $\mu\text{g/L}$, and 16,000 $\mu\text{g/L}$ respectively. TPHmo was detected in well MW-2A and MW-7A at concentrations of 360 $\mu\text{g/L}$ and 1,400 $\mu\text{g/L}$ respectively.



Benzene was detected in well MW-4A at a concentration of 0.62 µg/L. Toluene was detected in wells MW-2A, MW-3A, and MW-4A at concentrations of 2.9 µg/L, 7.1 µg/L, and 1.8 µg/L respectively. Xylenes were detected in wells MW-1A, MW-3A, MW-4A and MW-6A at concentrations of 12 µg/L, 32 µg/L, 2.4 µg/L and 8.4 µg/L, respectively. No ethylbenzene was detected in any of the Azone wells.

HVOCs were detected in three of the four 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 15 µg/L, 10 µg/L, 14 µg/L, 1.2 µg/L, 2.1 µg/L, and 1.5 µg/L, respectively.
- Additionally, chlorobenzene and 1,4 dichlorobenzene were detected in well MW-3A at a concentrations of 72 µg/L, 5.6 µg/L respectively. Chlorobenzene was also detected in MW-7A at a concentration of 0.70 µg/L and chloroethane was detected in well MW-6A at a concentration of 4.1 µg/L.
- 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 fourth quarter 2007, 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, TPHmo, and TPHss were detected in well MW-6B at concentrations of 36,000 µg/L, 12,000 µg/L, 1,000 µg/L and 15,000 µg/L, respectively.
- No benzene, Toluene, ethylbenzene or xylenes were detected.
- The following HVOCs were detected in well MW-1B: 11 µg/L cis-1,2-DCE, 7.2 µg/L 1,1-DCA, and 7.5 µg/L 1,2-DCA.



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- The following HVOCs were detected in well MW-6B: 0.77 µg/L chloroethane, 1.4 µg/L cis-1,2-DCE, and 0.62 µg/L 1,1-DCA. 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: 5.0 µg/L PCE, 5.2 µg/L TCE, 29 µg/L cis-1,2-DCE, 0.84 µg/L trans-1,2-DCE, 0.87 µg/L 1,1-DCA, and 3.80 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 fourth quarter 2007 groundwater depth data, analytical results, and this report to the State's GeoTracker database on behalf of Mr. John Nady.

RECOMMENDED FIRST QUARTER 2008 ACTIVITIES

Groundwater Monitoring

A quarterly groundwater monitoring event will occur during the first quarter 2008. 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 first quarter 2008 event to be submitted to ACEH. Groundwater analytical, well gauging data, and groundwater monitoring report will be uploaded to GeoTracker. The first quarter 2008 groundwater monitoring report will be submitted via ACEH's file transfer protocol (ftp) site and notification will be sent to Ms. Drogos by e-mail.



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Groundwater Monitoring Report– Fourth Quarter 2007
1137-1167 65th Street, Oakland
March 7, 2008

Site Characterization

A November 6, 2008 *Additional Site Characterization Work Plan* was submitted ACEH for review and approval to proceed. We are currently waiting for ACEH to complete their review. As soon as we receive approval to proceed, we can implement this Work Plan.

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

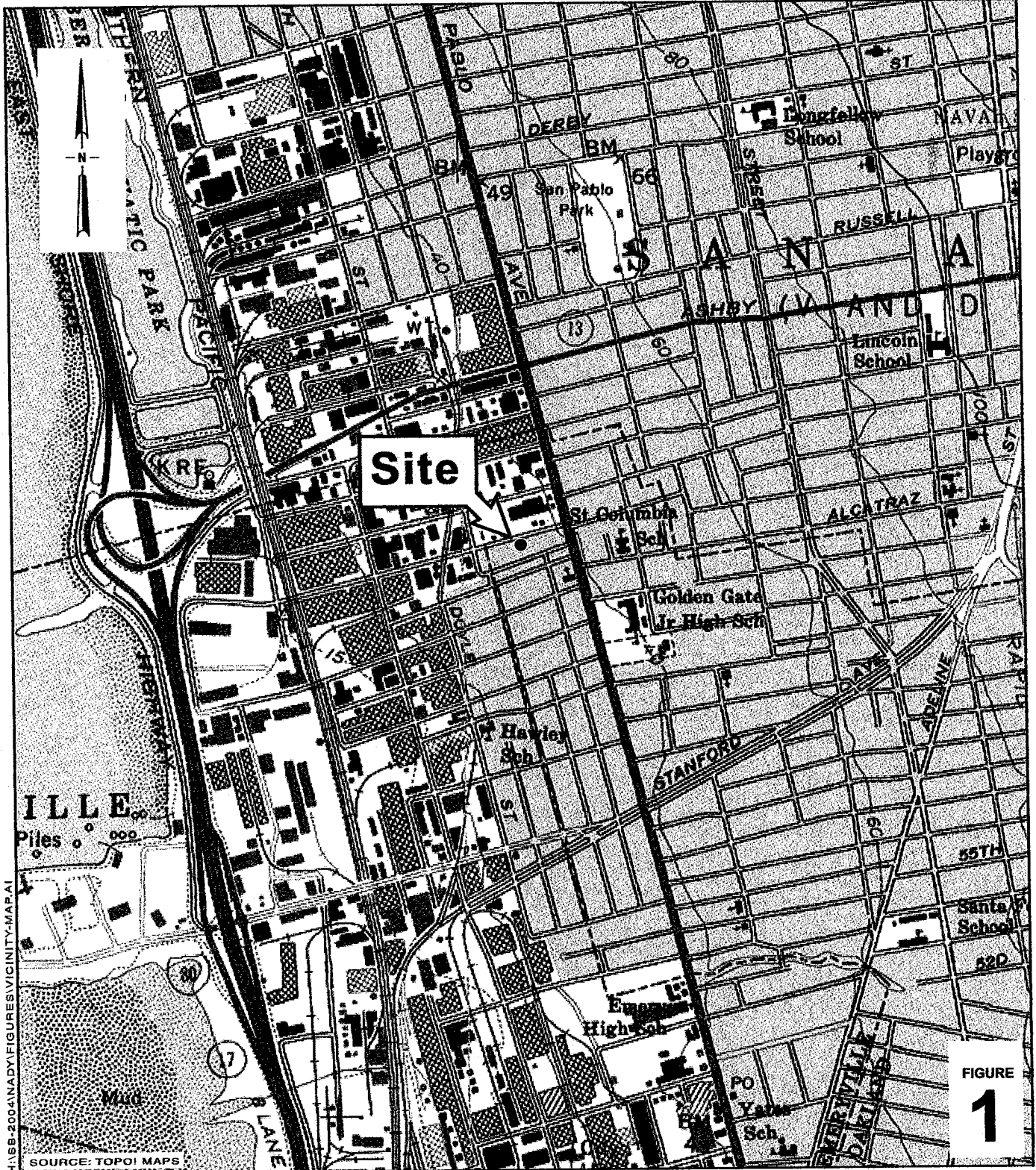
Table 1 – Well Construction Details

Table 2 – Monitoring Well Groundwater Results: Petroleum Hydrocarbons

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

Appendix A – Field Data Sheets

Appendix B – Laboratory Analytical Report



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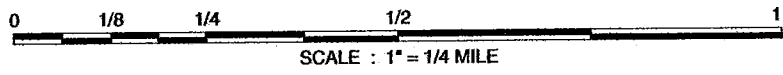


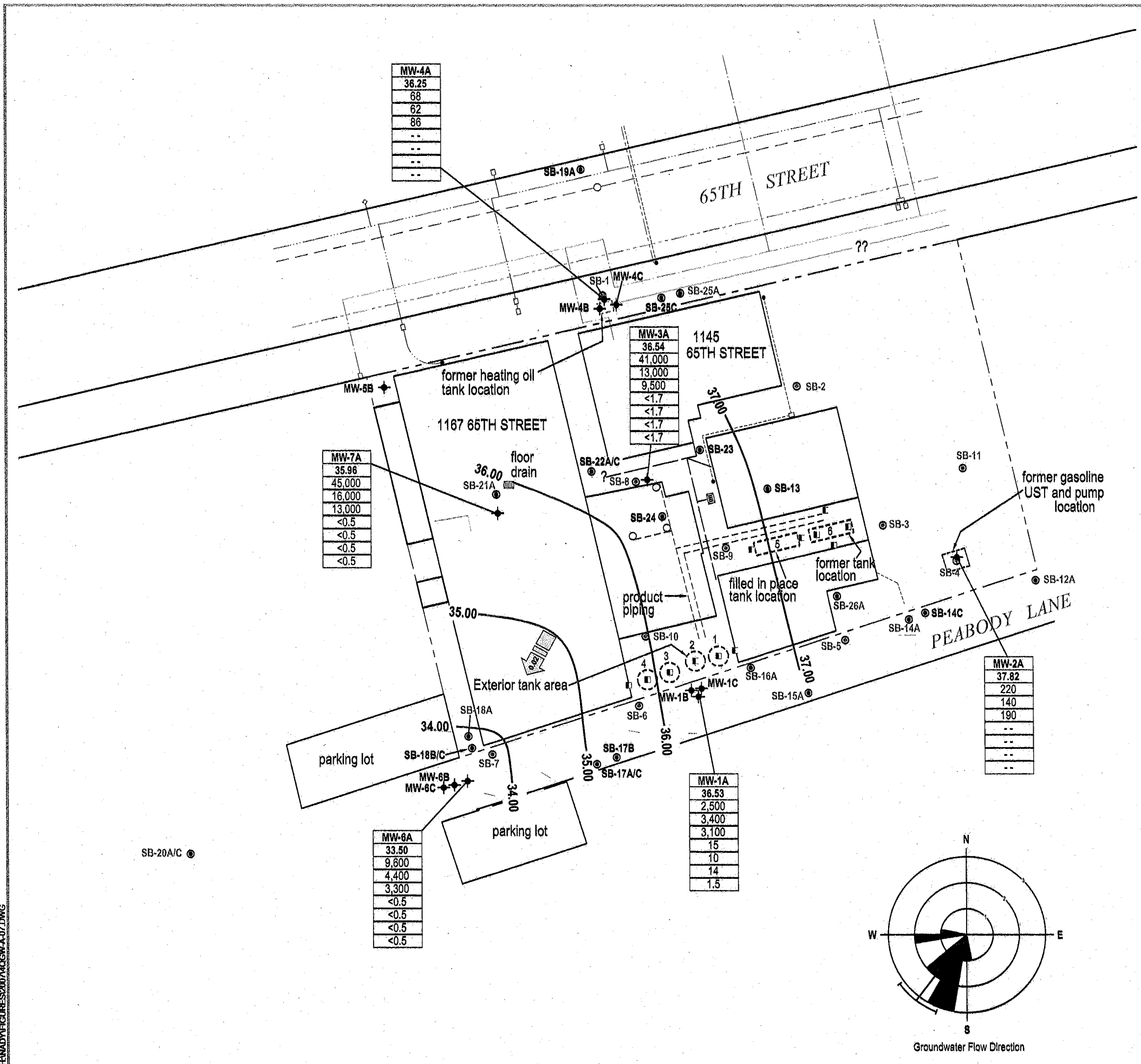
FIGURE
1



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Vicinity Map

1137 - 1167 65th Street
Oakland, California



MW-4A
36.25
68
62
86
--
--
--
--

MW-3A
36.54
41,000
13,000
9,500
<1.7
<1.7
<1.7
<1.7

MW-7A
35.96
45,000
16,000
13,000
<0.5
<0.5
<0.5
<0.5

MW-2A
37.82
220
140
190
--
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--
--

MW-1A
36.53
2,500
3,400
3,100
15
10
14
1.5

MW-6A
33.50
9,800
4,400
3,300
<0.5
<0.5
<0.5
<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
- 33.00 Groundwater elevation contour line in feet above mean sea level (MSL), dashed where inferred
- Groundwater flow direction and gradient
- Not analyzed

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

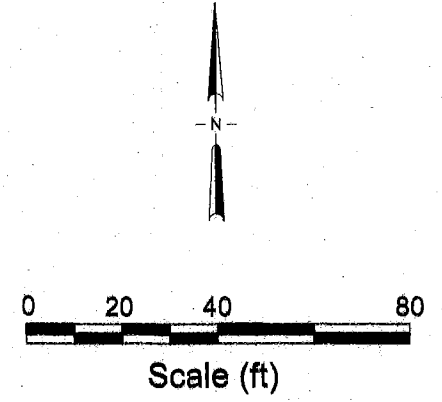
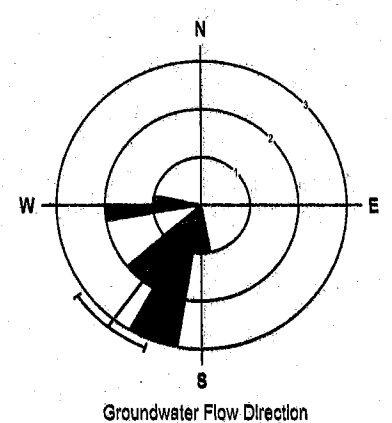
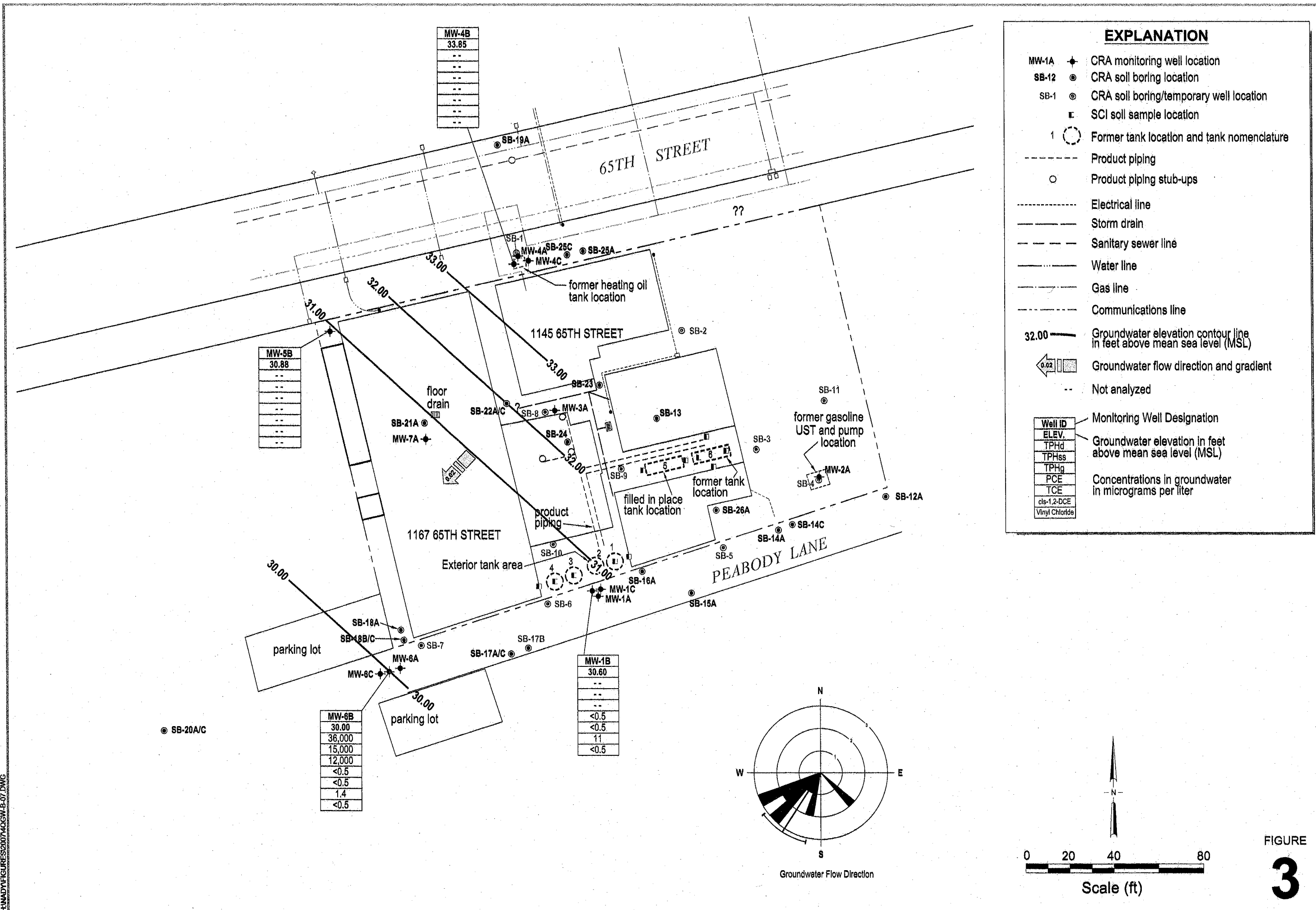


FIGURE
2

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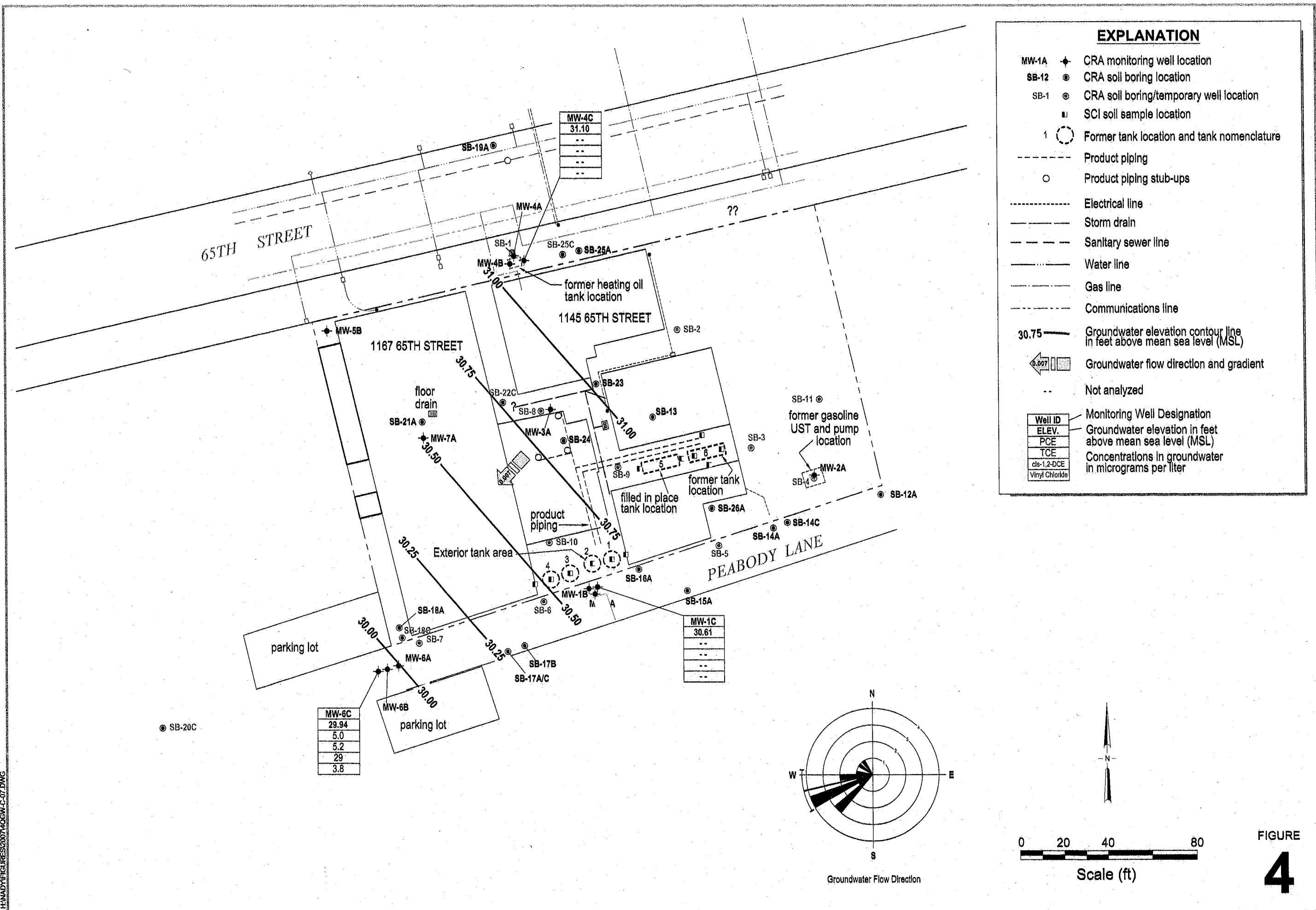
EXPLANATION

- 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)
- Groundwater flow direction and gradient
- Not analyzed

Well ID	ELEV.	TPHd	TPHss	TPHg	PCE	TCE	cis-1,2-DCE	Vinyl Chloride
MW-4B	33.85	--	--	--	--	--	--	--
MW-5B	30.88	--	--	--	--	--	--	--
MW-1B	30.60	--	--	--	<0.5	<0.5	11	<0.5
MW-6B	30.00	36,000	15,000	12,000	<0.5	<0.5	1.4	<0.5



FIGURE
3



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
- 30.75 — 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	Concentrations in groundwater in micrograms per liter
Vinyl Chloride	

MW-6C	29.94
	5.0
	5.2
	29
	3.8

MW-4C	31.10
	..
	..
	..
	..

MW-1C	30.61
	..
	..
	..
	..

FIGURE
4

HANDYFILES\RES\2007\MCGW\C-07.DWG

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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)
A-Zone Monitoring Wells											
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-Zone Monitoring Wells											
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
C-Zone Monitoring Wells											
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

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

Well ID	Date	Groundwater	Groundwater	Depth	TPHd	TPHg	TPHmo	TPHss	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes	
TOC	Sampled	Zone	Elevation	to Water					μg/L						
(%)			(ft msl)	(ft)											
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	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	ND<5.0	12	ND<50	a,c
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<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<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<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<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<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	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<0.5	--	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	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	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<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	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<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<0.5	ND<5.0	a,b,g,e		
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<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	
9/19/2005	35.93	4.95	--	--	--	--	--	--	--	--	--	--			

Conestoga-Rovers & Associates

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

Well ID	Date	Groundwater	Groundwater	Depth	TPHd	TPHg	TPHmo	TPHss	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
TOC	Sampled	Zone	Elevation	to Water	←----- μg/L -----→									
(ft)			(ft msl)	(ft)										
MW-3A (cont.)	9/20/2005		--	--	55,000	4,700	ND<5,000	8,000	ND<1.0	ND<1.0	2.6	6.8	ND<1.0	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<1.7	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<5.0	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	7.1	ND<5.0	32	ND<5.0	a,c,h
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	
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<5.0	ND<5.0	ND<5.0	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
	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

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

Well ID TOC (ft)	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-6A (cont.)	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<50	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
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
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	--	--	--	--	--	--	--	--	--	

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

Well ID TOC (ft)	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-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<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<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<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<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	--	--	--	--	--	--	--	--	--	--			
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<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<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<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<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	--	--	--	--	--	--	--	--	--	--	
	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
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<20	a,b,c	

Conestoga-Rovers & Associates

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

Well ID TOC (ft)	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-6B (cont.)	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
	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<50	ND<50	ND<50	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<50	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<50	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<250	a,h,c,d
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	--	--	--	--	--	--	--	--	--	
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 Results: Petroleum Hydrocarbons - John Nady, 1137-1167 65th Street, Oakland, California

Well ID TOC (ft)	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-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	
	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	d
	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	--	--	--	--	--	--	--	--	--	

Abbreviations:

TOC (ft) = Top of casing elevation in feet above mean sea level (msl)
 mg/L = micrograms per liter - approximately equal to parts per billion = ppb
 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

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

Well ID TOC (ft)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft amsl)	Depth to Water (ft)	(PCE) (TCE) $\mu\text{g/L}$										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	
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	
	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	--	--	--	--	--	--	--	--	--	--	--			
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	
	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	j, 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, i, 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, i, 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	--	--	--	--	--	--	--	--	--	--	--	
	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	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	h, i, chlorobenzene (3.1)		
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	h, chlorobenzene (3.1) 1,4-dichlorobenzene (5.6) chlorobenzene (5.5)		
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	1,4-dichlorobenzene (6.0)		

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

Well ID TOC (ft)	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-3A (cont.)	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)
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	--	--	--	--	--	--	--	--	--	--	--	--		
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	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	i
	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	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	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	ND<0.5	1.1	0.82	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	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	ND<0.5	1.6	1.9	0.57	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	ND<0.5	0.69	0.71	ND<0.5	ND<0.5	
	6/11/2007		32.95	5.03	9.8	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		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	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	ND<0.5	
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		--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	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	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	ND<0.5	h,j
	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	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	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	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	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	ND<0.5	h,j
	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	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	ND<1.0	j,h,i
	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	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	ND<0.5	chlorobenzene (0.70)
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	ND<0.5	ND<0.5	

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

Well ID TOC (ft)	Date Sampled	Groundwater Zone	Groundwater Elevation (ft amsl)	Depth to Water (ft)	(PCE) (TCE)										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-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	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	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	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	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	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	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	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	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	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	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	ND<0.5	9.0	ND<0.5	9.7	8.7	ND<0.5	i
	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	ND<0.5	8.5	ND<0.5	8.0	6.5	ND<0.5	
	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	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	ND<0.5	11	ND<0.5	7.2	7.5	ND<0.5	
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	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	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	ND<0.5	i
	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	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	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	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	--	--	--	--	--	--	--	--	--	--	--	--	
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	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	ND<0.5	
	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	
	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	i
	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	
	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	--	--	--	--	--	--	--	--	--	--	--	--	
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	0.89	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	0.66	ND<0.5	0.55	

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

Well ID TOC (ft)	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-6B (cont.)	9/19/2005		28.83	8.83	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.0	1.2	ND<0.5	1.1	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	ND<0.5	1.3	ND<0.5	1.3	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	ND<0.5	1.2	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	
	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	ND<0.5	1.9	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	ND<0.5	1.4	ND<0.5	0.62	ND<0.5	ND<0.5	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	--	--	--	--	--	--	--	--	--	--	--	--	
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
	6/15/2005		30.85	7.65	--	--	--	--	--	--	--	--	--	--	--	--	
	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	i
	3/13/2006		31.18	7.32	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6C 37.59	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	
	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	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	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	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	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	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	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	ND<0.5	9.4	i
	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	ND<0.5	13	

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

Well ID TOC (ft)	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-6C	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	
(cont.)	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	

Abbreviations:

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

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

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:

a = Total Trihalomethanes

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



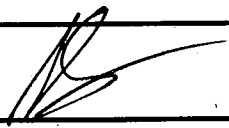
**CONESTOGA-ROVERS
& ASSOCIATES**

APPENDIX A

Field Data Sheets



WELL GAUGING SHEET

Client: Conestoga-Rovers and Associates						
Site Address: 1137-1167 65th Street, Oakland, CA						
Date: 12/12/2007			Signature: 			
Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-1A	9:05		3.11		14.40	
MW-1B	9:00		8.90		19.75	
MW-1C	8:55		8.88		34.57	
MW-2A	9:13		2.90		11.15	
MW-3A	9:20		4.34		13.95	
MW-4A	8:30		2.46		12.65	
MW-4B	8:25		4.69		20.76	
MW-4C	8:20		7.40		32.00	
MW-5B	8:15		8.10		23.05	
MW-6A	8:50		4.48		14.40	
MW-6B	8:45		7.66		22.00	

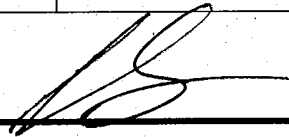


WELL SAMPLING FORM

Date:		12/12/2007																																					
Client:		Conestoga-Rovers and Associates																																					
Site Address:		1137-1167 65th Street, Oakland, CA																																					
Well ID:		MW-1A																																					
Well Diameter:		2"																																					
Purging Device:		Disposable Bailer																																					
Sampling Method:		Disposable Bailer																																					
Total Well Depth:		14.40	Fe= mg/L																																				
Depth to Water:		3.11	ORP= mV																																				
Water Column Height:		11.29	DO= mg/L																																				
Gallons/ft:		0.16																																					
1 Casing Volume (gal):		1.81	COMMENTS: very turbid, silty, light sheen																																				
3 Casing Volumes (gal):		5.42																																					
TIME:	CASING VOLUME (gal)	TEMP (Celsius)			pH	COND. (µS)																																	
12:15	1.8	17.2			8.54	213																																	
12:20	3.6	17.8			8.54	214																																	
12:25	5.4	18.0	8.58	212																																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Sample ID:</th> <th>Sample Date:</th> <th>Sample Time:</th> <th>Container Type</th> <th>Preservative</th> <th>Analytes</th> <th>Method</th> </tr> </thead> <tbody> <tr> <td>MW-1A</td> <td>12/12/2007</td> <td>12:30</td> <td>40 ml VOA, 1 L Amber</td> <td>HCl, ICE</td> <td>TPHg/ss BTEX TPHd TPHmo HVOCs</td> <td>8015, with silica gel clean up 8020, 8010</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>					Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method	MW-1A	12/12/2007	12:30	40 ml VOA, 1 L Amber	HCl, ICE	TPHg/ss BTEX TPHd TPHmo HVOCs	8015, with silica gel clean up 8020, 8010																					
Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method																																	
MW-1A	12/12/2007	12:30	40 ml VOA, 1 L Amber	HCl, ICE	TPHg/ss BTEX TPHd TPHmo HVOCs	8015, with silica gel clean up 8020, 8010																																	
				Signature:																																			



WELL SAMPLING FORM

Date:		12/12/2007				
Client:		Conestoga-Rovers and Associates				
Site Address:		1137-1167 65th Street, Oakland, CA				
Well ID:		MW-2A				
Well Diameter:		4"				
Purging Device:		3" PVC Bailer				
Sampling Method:		Disposable Bailer				
Total Well Depth:		11.15	Fe=	mg/L		
Depth to Water:		2.90	ORP=	mV		
Water Column Height:		8.25	DO=	mg/L		
Gallons/ft:		0.65				
1 Casing Volume (gal):		5.36	COMMENTS: very turbid, silty			
3 Casing Volumes (gal):		16.09				
TIME:	CASING VOLUME (gal)	TEMP (Celsius)			pH	COND. (µS)
1:10	5.4	17.7			7.55	288
1:20	10.7	17.3			7.51	300
1:30	16.1	17.7	7.53	294		
Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-2A	12/12/2007	1:35	40 ml VOA, 1 L Amber	HCl, ICE	TPHg/ss BTEX TPHd TPHmo	8015, with silica gel clean up 8020
				Signature:		




WELL SAMPLING FORM

Date:		12/12/2007				
Client:		Conestoga-Rovers and Associates				
Site Address:		1137-1167 65th Street, Oakland, CA				
Well ID:		MW-3A				
Well Diameter:		2"				
Purging Device:		Disposable Bailer				
Sampling Method:		Disposable Bailer				
Total Well Depth:		13.95	Fe=	mg/L		
Depth to Water:		4.34	ORP=	mV		
Water Column Height:		9.61	DO=	mg/L		
Gallons/ft:		0.16				
1 Casing Volume (gal):		1.54	COMMENTS: very turbid, silty			
3 Casing Volumes (gal):		4.61				
TIME:	CASING VOLUME (gal)	TEMP (Celsius)			pH	COND. (µS)
2:00	1.5	17.9	6.51	468		
2:05	3.1	17.4	6.57	452		
2:10	4.6	17.8	6.59	445		
Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-3A	12/12/2007	2:15	40 ml VOA, 1 L Amber	HCl, ICE	TPHg/ss BTEX TPHd TPHmo HVOCS	8015, with silica gel clean up 8020, 8010
Signature:						



WELL SAMPLING FORM

Date:		12/12/2007				
Client:		Conestoga-Rovers and Associates				
Site Address:		1137-1167 65th Street, Oakland, CA				
Well ID:		MW-6A				
Well Diameter:		2"				
Purging Device:		Disposable Bailer				
Sampling Method:		Disposable Bailer				
Total Well Depth:		14.40	Fe=	mg/L		
Depth to Water:		4.48	ORP=	mV		
Water Column Height:		9.92	DO=	mg/L		
Gallons/ft:		0.16				
1 Casing Volume (gal):		1.59	COMMENTS: turbid, light sheen			
3 Casing Volumes (gal):		4.76				
TIME:	CASING VOLUME (gal)	TEMP (Celsius)			pH	COND. (µS)
11:25	1.6	17.5			6.97	567
11:27	3.2	18.2			6.95	529
11:30	4.8	18.5	6.93	524		
Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-6A	12/12/2007	11:33	40 ml VOA, 1 L Amber	HCl, ICE	TPHg/ss BTEX TPHd TPHmo HVOCs	8015, with silica gel clean up 8020, 8010
				Signature:		

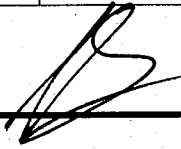


WELL SAMPLING FORM

Date:		12/12/2007				
Client:		Conestoga-Rovers and Associates				
Site Address:		1137-1167 65th Street, Oakland, CA				
Well ID:		MW-6B				
Well Diameter:		2"				
Purging Device:		Disposable Bailer				
Sampling Method:		Disposable Bailer				
Total Well Depth:		22.00	Fe= mg/L			
Depth to Water:		7.66	ORP= mV			
Water Column Height:		14.34	DO= mg/L			
Gallons/ft:		0.16				
1 Casing Volume (gal):		2.29	COMMENTS: light sheen			
3 Casing Volumes (gal):		6.88				
TIME:	CASING VOLUME (gal)	TEMP (Celsius)			pH	COND. (µS)
11:00	2.3	18.6	7.24	1019		
11:05	4.6	18.6	7.21	1073		
11:10	6.9	18.7	7.19	1076		
Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-6B	12/12/2007	11:15	40 ml VOA, 1 L Amber	HCl, ICE	TPHg/ss BTEX TPHd TPHmo HVOCs	8015, with silica gel clean up 8020, 8010
				Signature:		



WELL SAMPLING FORM

Date: 12/12/2007						
Client: Conestoga-Rovers and Associates						
Site Address: 1137-1167 65th Street, Oakland, CA						
Well ID: MW-6C						
Well Diameter: 2"						
Purging Device: Disposable Bailer						
Sampling Method: Disposable Bailer						
Total Well Depth: 33.81	Fe= mg/L					
Depth to Water: 7.65	ORP= mV					
Water Column Height: 26.16	DO= mg/L					
Gallons/ft: 0.16						
1 Casing Volume (gal): 4.19	COMMENTS:					
3 Casing Volumes (gal): 12.56						
TIME:		CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)	
10:30		4.2	17.2	7.29	1052	
10:35		8.4	17.3	7.22	1077	
10:40	12.6	17.5	7.21	1072		
Sample ID: MW-6C	Sample Date: 12/12/2007	Sample Time: 10:45	Container Type: 40 ml VOA	Preservative: HCl, ICE	Analytes: HVOCs	Method: 8010
Signature: 						



WELL SAMPLING FORM

Date:		12/12/2007				
Client:		Conestoga-Rovers and Associates				
Site Address:		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:		4.62	ORP=	mV		
Water Column Height:		5.38	DO=	mg/L		
Gallons/ft:		0.04				
1 Casing Volume (gal):		0.22	COMMENTS: very turbid, silty			
3 Casing Volumes (gal):		0.65				
TIME:	CASING VOLUME (gal)	TEMP (Celsius)			pH	COND. (µS)
9:45	0.2	17.0			7.29	937
9:47	0.4	17.3			7.22	938
9:50	0.6	17.5	7.21	932		
Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-7A	12/12/2007	9:55	40 ml VOA, 1 L Amber	HCl, ICE	TPHg/ss BTEX TPHd TPHmo HVOCs	8015, with silica gel clean up 8020, 8010
				Signature:		



**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: 12/12/07
		Date Received: 12/12/07
	Client Contact: Mark Jonas	Date Reported: 12/19/07
	Client P.O.:	Date Completed: 12/19/07

WorkOrder: 0712396

December 19, 2007

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.

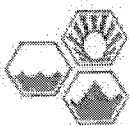
All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

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.



McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1791

Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

0712396

CHAIN OF CUSTODY RECORD

TURN AROUND TIME RUSH 24 HR 48 HR 72 HR 5 DAY

GeoTracker EDF PDF Excel Write On (DW)

Check if sample is effluent and "J" flag is required

Report To: Mark Jonas Bill To: Conestoga-Rovers & Associates
Company: Conestoga-Rovers & Associates
5900 Hollis Street, Ste A
Emeryville, CA E-Mail: mjonas@carworld.com
Tele: (510) 420-3307 Fax: (510) 420-9170
Project #: 521000 Project Name: John Nady
Project Location: 1137-1167 65th Street, Oakland, CA
Sampler Signature: Muskan Environmental Sampling

Analysis Request

Other

Comments

DTX & TPH as Gas (602 / 8021 + 8015) / ATRE																							
TPH as Dissol (8045)																							
Total Petroleum Oil & Grease (1654 / 552B E/B&F)																							
Total Petroleum Hydrocarbons (418.1)																							
EPA 502.2 / 601 / 8040 / 8021 (BVOCs)																							
MTBE / BTEX ONLY (EPA 603 / 8021)																							
EPA 505 / 608 / 8081 (CI Pesticides)																							
EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners																							
EPA 507 / 8141 (OP Pesticides)																							
EPA 515 / 8151 (Aromatic Herbicides)																							
EPA 534.2 / 624 / 8260 (VOCs)																							
EPA 555.2 / 625 / 8270 (SVOCs)																							
EPA 5270 SIM / 8310 (PAHs / PNAH)																							
CAM 17 Metals (200.7 / 300.8 / 6010 / 6020)																							
LIHT 5 Metals (200.7 / 300.8 / 6010 / 6020)																							
Lead (200.7 / 300.8 / 6010 / 6020)																							
TPHg/As, BTEX 8015 / 8020																							
AVOCs 8010																							
TPHN / MO 8015																							

Filter Samples for Metals analysis: Yes / No

+
+
+
+
+
+
+
+
+

SAMPLE ID	LOCATION / Field Point Name	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED												
		Date	Time			Water	Soil	Air	Sludge	Other	ICE	HCL	HNO ₃	Other									
MW-1A		12/20/07	12:30	4	VOA VOC Pest	X						X	X										
MW-1B			12:00	4	VOA VOC Pest																		
MW-2A			1:35	2	VOA VOC Pest																		
MW-3A			2:15	1																			
MW-4A			10:18																				
MW-6A			11:33	X																			
MW-6B			11:15	X	X																		
MW-6C			10:45	4	VOA VOC Pest																		
MW-7A		X	9:55	4	VOA VOC Pest	X						X	X										

Relinquished By:	Date: <u>12/12</u>	Time: <u>17:10</u>	Received By:
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

COMMENTS:
ICE/T 2.0
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB ✓
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB ✓

VOAS O&G METALS OTHER
PRESERVATION pH=2

McC Campbell Analytical, Inc.



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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0712396

ClientID: CETE

EDF Excel Fax Email HardCopy ThirdParty

Report to:

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

Email: mjonas@CRAworld.com
TEL: (510) 420-0700 FAX: (510) 420-9170
ProjectNo: #521000; John Nady
PO:

Bill to:

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

Requested TAT: 5 days

Date Received: 12/12/2007

Date Printed: 12/12/2007

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
0712396-001	MW-1A	Water	12/12/07 12:30:00	<input type="checkbox"/>	B	A	A	C									
0712396-002	MW-1B	Water	12/12/07 12:00:00	<input type="checkbox"/>	A												
0712396-003	MW-2A	Water	12/12/07 1:35:00	<input type="checkbox"/>		A		B									
0712396-004	MW-3A	Water	12/12/07 2:15:00	<input type="checkbox"/>	B	A		C									
0712396-005	MW-4A	Water	12/12/07 10:18:00	<input type="checkbox"/>		A		B									
0712396-006	MW-6A	Water	12/12/07 11:33:00	<input type="checkbox"/>	B	A		C									
0712396-007	MW-6B	Water	12/12/07 11:15:00	<input type="checkbox"/>	B	A		C									
0712396-008	MW-6C	Water	12/12/07 10:45:00	<input type="checkbox"/>	A												
0712396-009	MW-7A	Water	12/12/07 9:55:00	<input type="checkbox"/>	B	A		C									

Test Legend:

1	8010BMS_W
6	
11	

2	G-MBTEX_W
7	
12	

3	PREDF REPORT
8	

4	TPH(DMO)WSG_W
9	

5	
10	

Prepared by: Ana Venegas

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. 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: **12/12/07 9:06:19 PM**

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

Checklist completed and reviewed by: **Ana Venegas**

WorkOrder N°: **0712396** Matrix Water

Carrier: Client Drop-In

Chain of Custody (COC) Information

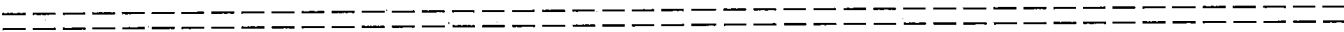
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Sample IDs noted by Client on COC? Yes No
- Date and Time of collection noted by Client on COC? Yes No
- Sampler's name noted on COC? Yes No

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: 2.6°C NA
- Water - VOA vials have zero headspace / no bubbles? Yes No No VOA vials submitted
- Sample labels checked for correct preservation? Yes No
- TTLC Metal - pH acceptable upon receipt (pH<2)? Yes No NA



Client contacted:

Date contacted:

Contacted by:

Comments:



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Conestoga-Rovers & Associates

5900 Hollis St, Suite A

Emeryville, CA 94608

Client Project ID: #521000; John Nady

Client Contact: Mark Jonas

Client P.O.:

Date Sampled: 12/12/07

Date Received: 12/12/07

Date Extracted: 12/15/07

Date Analyzed: 12/15/07

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

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0712396

Lab ID	0712396-001B	0712396-002A	0712396-004B	0712396-006B	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	3.3	1		

Compound	Concentration				µg/kg	µg/L
Bromodichloromethane	ND	ND	ND<1.7	ND	NA	0.5
Bromoform	ND	ND	ND<1.7	ND	NA	0.5
Bromomethane	ND	ND	ND<1.7	ND	NA	0.5
Carbon Tetrachloride	ND	ND	ND<1.7	ND	NA	0.5
Chlorobenzene	ND	ND	72	ND	NA	0.5
Chloroethane	ND	ND	ND<1.7	4.1	NA	0.5
2-Chloroethyl Vinyl Ether	ND	ND	ND<3.3	ND	NA	1.0
Chloroform	ND	ND	ND<1.7	ND	NA	0.5
Chloromethane	ND	ND	ND<1.7	ND	NA	0.5
Dibromochloromethane	ND	ND	ND<1.7	ND	NA	0.5
1,2-Dichlorobenzene	ND	ND	ND<1.7	ND	NA	0.5
1,3-Dichlorobenzene	ND	ND	ND<1.7	ND	NA	0.5
1,4-Dichlorobenzene	ND	ND	5.6	ND	NA	0.5
Dichlorodifluoromethane	ND	ND	ND<1.7	ND	NA	0.5
1,1-Dichloroethane	2.1	7.2	ND<1.7	ND	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	7.5	ND<1.7	ND	NA	0.5
1,1-Dichloroethene	ND	ND	ND<1.7	ND	NA	0.5
cis-1,2-Dichloroethene	14	11	ND<1.7	ND	NA	0.5
trans-1,2-Dichloroethene	1.2	ND	ND<1.7	ND	NA	0.5
1,2-Dichloropropane	ND	ND	ND<1.7	ND	NA	0.5
cis-1,3-Dichloropropene	ND	ND	ND<1.7	ND	NA	0.5
trans-1,3-Dichloropropene	ND	ND	ND<1.7	ND	NA	0.5
Methylene chloride	ND	ND	ND<1.7	ND	NA	0.5
1,1,2,2-Tetrachloroethane	ND	ND	ND<1.7	ND	NA	0.5
Tetrachloroethene	15	ND	ND<1.7	ND	NA	0.5
1,1,1-Trichloroethane	ND	ND	ND<1.7	ND	NA	0.5
1,1,2-Trichloroethane	ND	ND	ND<1.7	ND	NA	0.5
Trichloroethene	10	ND	ND<1.7	ND	NA	0.5
Trichlorofluoromethane	ND	ND	ND<1.7	ND	NA	0.5
Vinyl Chloride	1.5	ND	ND<1.7	ND	NA	0.5

Surrogate Recoveries (%)

%SS1:	122	105	115	115
%SS2:	100	96	102	102
%SS3:	99	101	107	108

Comments

* 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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Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #521000; John Nady	Date Sampled: 12/12/07
		Date Received: 12/12/07
	Client Contact: Mark Jonas	Date Extracted: 12/15/07
	Client P.O.:	Date Analyzed 12/15/07

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

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0712396

Lab ID	0712396-007B	0712396-008A	0712396-009B	Reporting Limit for DF =1	
Client ID	MW-6B	MW-6C	MW-7A	S	W
Matrix	W	W	W		
DF	1	1	1		
Compound	Concentration			µg/kg	µg/L
Bromodichloromethane	ND	ND	ND	NA	0.5
Bromoform	ND	ND	ND	NA	0.5
Bromomethane	ND	ND	ND	NA	0.5
Carbon Tetrachloride	ND	ND	ND	NA	0.5
Chlorobenzene	ND	ND	0.70	NA	0.5
Chloroethane	0.77	ND	ND	NA	0.5
2-Chloroethyl Vinyl Ether	ND	ND	ND	NA	1.0
Chloroform	ND	ND	ND	NA	0.5
Chloromethane	ND	ND	ND	NA	0.5
Dibromochloromethane	ND	ND	ND	NA	0.5
1,2-Dichlorobenzene	ND	ND	ND	NA	0.5
1,3-Dichlorobenzene	ND	ND	ND	NA	0.5
1,4-Dichlorobenzene	ND	ND	ND	NA	0.5
Dichlorodifluoromethane	ND	ND	ND	NA	0.5
1,1-Dichloroethane	0.62	0.87	ND	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	NA	0.5
1,1-Dichloroethene	ND	ND	ND	NA	0.5
cis-1,2-Dichloroethene	1.4	29	ND	NA	0.5
trans-1,2-Dichloroethene	ND	0.84	ND	NA	0.5
1,2-Dichloropropane	ND	ND	ND	NA	0.5
cis-1,3-Dichloropropene	ND	ND	ND	NA	0.5
trans-1,3-Dichloropropene	ND	ND	ND	NA	0.5
Methylene chloride	ND	ND	ND	NA	0.5
1,1,2,2-Tetrachloroethane	ND	ND	ND	NA	0.5
Tetrachloroethene	ND	5.0	ND	NA	0.5
1,1,1-Trichloroethane	ND	ND	ND	NA	0.5
1,1,2-Trichloroethane	ND	ND	ND	NA	0.5
Trichloroethene	ND	5.2	ND	NA	0.5
Trichlorofluoromethane	ND	ND	ND	NA	0.5
Vinyl Chloride	ND	3.8	ND	NA	0.5

Surrogate Recoveries (%)

%SS1:	112	105	109	
%SS2:	102	96	101	
%SS3:	116	100	122	
Comments	h			

* 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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Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #521000; John Nady	Date Sampled: 12/12/07
		Date Received: 12/12/07
	Client Contact: Mark Jonas	Date Extracted: 12/16/07-12/18/07
	Client P.O.:	Date Analyzed 12/16/07-12/18/07

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction Method: SW5030B

Analytical Method: SW8021B/8015Cm

Work Order: 0712396

Lab ID	0712396-001A	0712396-003A	0712396-004A	0712396-005A	Reporting Limit for DF =1	
Client ID	MW-1A	MW-2A	MW-3A	MW-4A		
Matrix	W	W	W	W		
DF	10	1	10	1		

Compound	Concentration				ug/kg	µg/L
TPH(g)	3100	190	9500	86	NA	50
TPH(ss)	3400	140	13,000	62	NA	50
MTBE	ND<50	ND	ND<50	ND	NA	5.0
Benzene	ND<5.0	ND	ND<5.0	0.62	NA	0.5
Toluene	ND<5.0	2.9	7.1	1.8	NA	0.5
Ethylbenzene	ND<5.0	ND	ND<5.0	ND	NA	0.5
Xylenes	12	ND	32	2.4	NA	0.5

Surrogate Recoveries (%)

%SS:	108	110	90	99	
------	-----	-----	----	----	--

Comments:	e	e,m	e,h	a	
-----------	---	-----	-----	---	--

* 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: 12/12/07
		Date Received: 12/12/07
	Client Contact: Mark Jonas	Date Extracted: 12/16/07-12/18/07
	Client P.O.:	Date Analyzed 12/16/07-12/18/07

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction Method: SW5030B Analytical Method: SW8021B/8015Cm Work Order: 0712396

Lab ID	0712396-006A	0712396-007A	0712396-009A		Reporting Limit for DF =1
Client ID	MW-6A	MW-6B	MW-7A		
Matrix	W	W	W		
DF	10	50	50		

Compound	Concentration			ug/kg	µg/L
TPH(g)	3300	12,000	13,000	NA	50
TPH(ss)	4400	15,000	16,000	NA	50
MTBE	ND<50	ND<250	ND<250	NA	5.0
Benzene	ND<5.0	ND<25	ND<25	NA	0.5
Toluene	ND<5.0	ND<25	ND<25	NA	0.5
Ethylbenzene	ND<5.0	ND<25	ND<25	NA	0.5
Xylenes	8.4	ND<25	ND<25	NA	0.5


Surrogate Recoveries (%)

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

* 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.

 Angela Rydelius, Lab Manager



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Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #521000; John Nady	Date Sampled: 12/12/07
		Date Received: 12/12/07
	Client Contact: Mark Jonas	Date Extracted: 12/12/07
	Client P.O.:	Date Analyzed 12/16/07-12/19/07

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3510C/3630C

Analytical methods: SW8015C

Work Order: 0712396

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0712396-001C	MW-1A	W	2500,n	ND	1	102
0712396-003B	MW-2A	W	220,g,d	360	1	120
0712396-004C	MW-3A	W	41,000,n,h	ND<2500	10	102
0712396-005B	MW-4A	W	68,b,f	ND	1	97
0712396-006C	MW-6A	W	9600,n,b	ND	1	95
0712396-007C	MW-6B	W	36,000,n,b,h	1000	1	104
0712396-009C	MW-7A	W	45,000,n,b	1400	1	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.



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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder 0712396

EPA Method SW8260B		Extraction SW5030B			BatchID: 32523			Spiked Sample ID: 0712395-001A				
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
Chlorobenzene	ND	10	126	123	2.46	119	123	3.39	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	102	94.3	8.12	91.8	95.5	3.96	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	81.1	82.5	1.78	116	120	2.96	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	114	103	10.4	103	110	6.28	70 - 130	30	70 - 130	30
%SS1:	113	10	101	93	7.86	96	95	0.430	70 - 130	30	70 - 130	30
%SS2:	99	10	88	81	9.37	82	82	0	70 - 130	30	70 - 130	30
%SS3:	100	10	85	81	4.83	89	87	2.17	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 32523 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0712396-001B	12/12/07 12:30 PM	12/15/07	12/15/07 1:19 PM	0712396-002A	12/12/07 12:00 PM	12/15/07	12/15/07 4:49 AM
0712396-004B	12/12/07 2:15 PM	12/15/07	12/15/07 2:02 PM	0712396-006B	12/12/07 11:33 AM	12/15/07	12/15/07 2:45 PM
0712396-007B	12/12/07 11:15 AM	12/15/07	12/15/07 3:28 PM	0712396-008A	12/12/07 10:45 AM	12/15/07	12/15/07 5:35 AM
0712396-009B	12/12/07 9:55 AM	12/15/07	12/15/07 4:11 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.



QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder 0712396

EPA Method SW8021B/8015Cm		Extraction SW5030B			BatchID: 32521			Spiked Sample ID: 0712404-003A				
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) ^f	ND	60	102	98.5	3.31	92.1	92	0.140	70 - 130	30	70 - 130	30
MTBE	ND	10	112	105	6.21	102	101	0.586	70 - 130	30	70 - 130	30
Benzene	ND	10	94	92.8	1.29	95.6	90.4	5.68	70 - 130	30	70 - 130	30
Toluene	ND	10	93.5	91.6	2.01	94.5	84.2	11.5	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	104	102	1.63	105	99.7	5.30	70 - 130	30	70 - 130	30
Xylenes	ND	30	103	100	3.28	103	100	3.28	70 - 130	30	70 - 130	30
%SS:	90	10	96	96	0	100	99	0.549	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 32521 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0712396-001A	12/12/07 12:30 PM	12/16/07	12/16/07 8:02 PM	0712396-003A	12/12/07 1:35 PM	12/16/07	12/16/07 11:36 PM
0712396-004A	12/12/07 2:15 PM	12/16/07	12/16/07 9:34 PM	0712396-005A	12/12/07 10:18 AM	12/18/07	12/18/07 3:34 AM
0712396-006A	12/12/07 11:33 AM	12/16/07	12/16/07 10:35 PM	0712396-007A	12/12/07 11:15 AM	12/16/07	12/16/07 11:06 PM
0712396-009A	12/12/07 9:55 AM	12/17/07	12/17/07 12:07 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.



QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder 0712396

EPA Method SW8015C		Extraction SW3510C/3630C				BatchID: 32449			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(d)	N/A	1000	N/A	N/A	N/A	110	114	3.28	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	128	129	1.20	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 32449 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0712396-001C	12/12/07 12:30 PM	12/12/07	12/16/07 12:20 PM	0712396-003B	12/12/07 1:35 PM	12/12/07	12/17/07 2:22 PM
0712396-004C	12/12/07 2:15 PM	12/12/07	12/19/07 3:46 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.



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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder 0712396

EPA Method SW8015C		Extraction SW3510C/3630C				BatchID: 32524			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(d)	N/A	1000	N/A	N/A	N/A	112	113	0.239	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	118	117	0.666	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 32524 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0712396-005B	12/12/07 10:18 AM	12/12/07	12/19/07 11:17 AM	0712396-006C	12/12/07 11:33 AM	12/12/07	12/16/07 3:55 PM
0712396-007C	12/12/07 11:15 AM	12/12/07	12/16/07 7:28 PM	0712396-009C	12/12/07 9:55 AM	12/12/07	12/16/07 8:39 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.