CONESTOGA-ROVERS
& ASSOCIATES

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May 29, 2007
-- Revised –

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

Re: **Groundwater Monitoring Report – First Quarter 2007**
1137-1167 65th Street, Oakland, California 94608
Fuel Leak Case #RO0000082; CRA Project #521000

Dear Mr. Chan:

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

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

CONESTOGA-ROVERS
& ASSOCIATES

GROUNDWATER MONITORING REPORT – FIRST QUARTER 2007

1137-1167 65th Street
Oakland, California 94608
Fuel Leak Case #RO0000082
CRA Project #521000
-- Revised --
May 29, 2007

Prepared for Submittal to:

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

Prepared by:

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CONESTOGA-ROVERS
& ASSOCIATES

GROUNDWATER MONITORING REPORT – FIRST QUARTER 2007

1137-1167 65th Street
Oakland, California 94608
Case No.: RO0000082
-- Revised --
May 29, 2007

INTRODUCTION

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

MONITORING ACTIVITIES

CRA coordinated with Muskan Environmental Sampling (MES) to perform quarterly groundwater monitoring activities at the site. On March 29, 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 1.

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, and 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. Field water quality measurements, purge volumes and sample collection data were recorded on field sampling data forms (Appendix A).

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

Groundwater samples were analyzed for TPHd, TPHmo, TPHss, and TPHg by modified United States Environmental Protection Agency (EPA) Method SW8015C. BTEX and MTBE were analyzed by EPA Method SW8021B. The laboratory inadvertently analyzed the samples for MTBE. The MTBE results are provided (all were non-detected). Samples were also analyzed for HVOCs by EPA Method SW8260B, but only reported for the EPA Method 8010 basic target list. Samples marked for TPHd and TPHmo analysis were subjected to silica gel cleanup prior to analysis. The laboratory analytical report is included in Appendix B. Analytical results are summarized on Figures 2, 3, and 4 and presented in Tables 1 and 2.

Waste Disposal: Approximately 62 gallons of purge water was generated during this quarter's monitoring event. This waste water is stored in a sealed Department of Transportation (DOT) approved 55 gallon drum 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 March 29, 2007 ranged from 2.25 to 14.87 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-zone 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 0.023 feet per foot (ft/ft) (Figure 2). The groundwater flow direction in the B-zone was predominantly west-southwest with a gradient of approximately 0.028 ft/ft (Figure 3). The groundwater flow direction in the C-zone was southwest with a gradient of approximately 0.008 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 1 and 2.

Chemicals Detected in A-Zone Groundwater: ~~Groundwater samples from A-zone monitoring wells MW-1A, MW-3A, and MW-6A were analyzed for HVOCs~~ 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 ~~and~~ 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 five of the six A-zone monitoring wells sampled. The highest TPHd, TPHss, and TPHg concentrations were detected in well MW-7A with 34,000 micrograms per liter (µg/L), 5,600 µg/L, and ~~38,000~~ 4,100 µg/L, respectively. The highest TPHmo concentration was detected in well MW-3A at 940 µg/L.

No benzene was detected in any of the wells sampled. Ethylbenzene, and xylenes were detected in wells MW-1A and MW-4A. Toluene was detected in well MW-2A. Concentrations do not exceed 10 µg/L.

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

- The highest 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) concentrations detected were in well MW-1A at a concentration of 29 µg/L, 16 µg/L, 13 µg/L, 1.2 µg/L, 1.4 µg/L, respectively.

- Trans-1,2-DCE, 1,1-DCA, and chloroethane were also detected in well MW-6A with concentrations of 0.69 µg/L, 0.71 µg/L, and 5.2 µg/L, respectively.

No other HVOCs were detected in A-zone wells. No HVOCs were detected in samples collected from well MW-3A. A-zone groundwater analytical data and water level data are presented in Tables 1 and 2, and summarized on Figure 2.

Chemicals Detected in B-Zone Groundwater: During the first 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, TPHss, TPHmo and TPHg were detected in this groundwater sample at concentrations of 24,000 µg/L, 4,300 µg/L, 650 µg/L and 3,400 µg/L, respectively.

- No BTEX was detected above laboratory reporting limits.

- The following HVOCs were detected in well MW-1B: 1.6 µg/L chloroethane, 9.0 µg/L cis-1,2-DCE, 9.7 µg/L1,1-DCA, and 8.7 µg/L 1,2-DCA.

- The following HVOCs were detected in well MW-6B: 1.5 µg/L chloroethane and 0.761,1-DCA µg/L.

- No other HVOCs were detected in B-zone wells. B-zone groundwater analytical data and water level data are presented in Tables 1 and 2, and summarized on Figure 3.

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

- The following HVOCs were detected in well MW-6C: 6.0 µg/L PCE, 6.4 µg/L TCE, 35 µg/L cis-1,2-DCE, 1.2 µg/L trans-1,2-DCE, 1.1 µg/L 1,1-DCA, and 5.3 µg/Lvinyl chloride.

- No other HVOCs were detected in well MW-6C. C-zone groundwater analytical data and water level data are presented in Tables 1 and 2, and summarized on Figure 4.

GEOTRACKER SUBMITTALS

CRA uploaded first quarter 2007 groundwater depth data, analytical results, and this report to the State's GeoTracker database on behalf of Mr. John Nady.

RECOMMENDED SECOND QUARTER 2007 ACTIVITIES

CRA makes the following recommendations:

- Conduct a quarterly groundwater monitoring event during the second quarter 2007. Monitoring activities should include gauging groundwater depths in the thirteen site monitoring wells to determine groundwater flow patterns. Groundwater sampling and analysis should 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 2007 event to be submitted to ACEH.

- Groundwater analytical, well gauging data, and groundwater monitoring report will be uploaded to GeoTracker.

- The second quarter 2007 groundwater monitoring report will be submitted via ACEH's file transfer protocol (ftp) site and notification will be sent to Mr. Chan by e-mail.
- After second quarter 2007 results are reviewed, perform a strategic review of the site with the client.

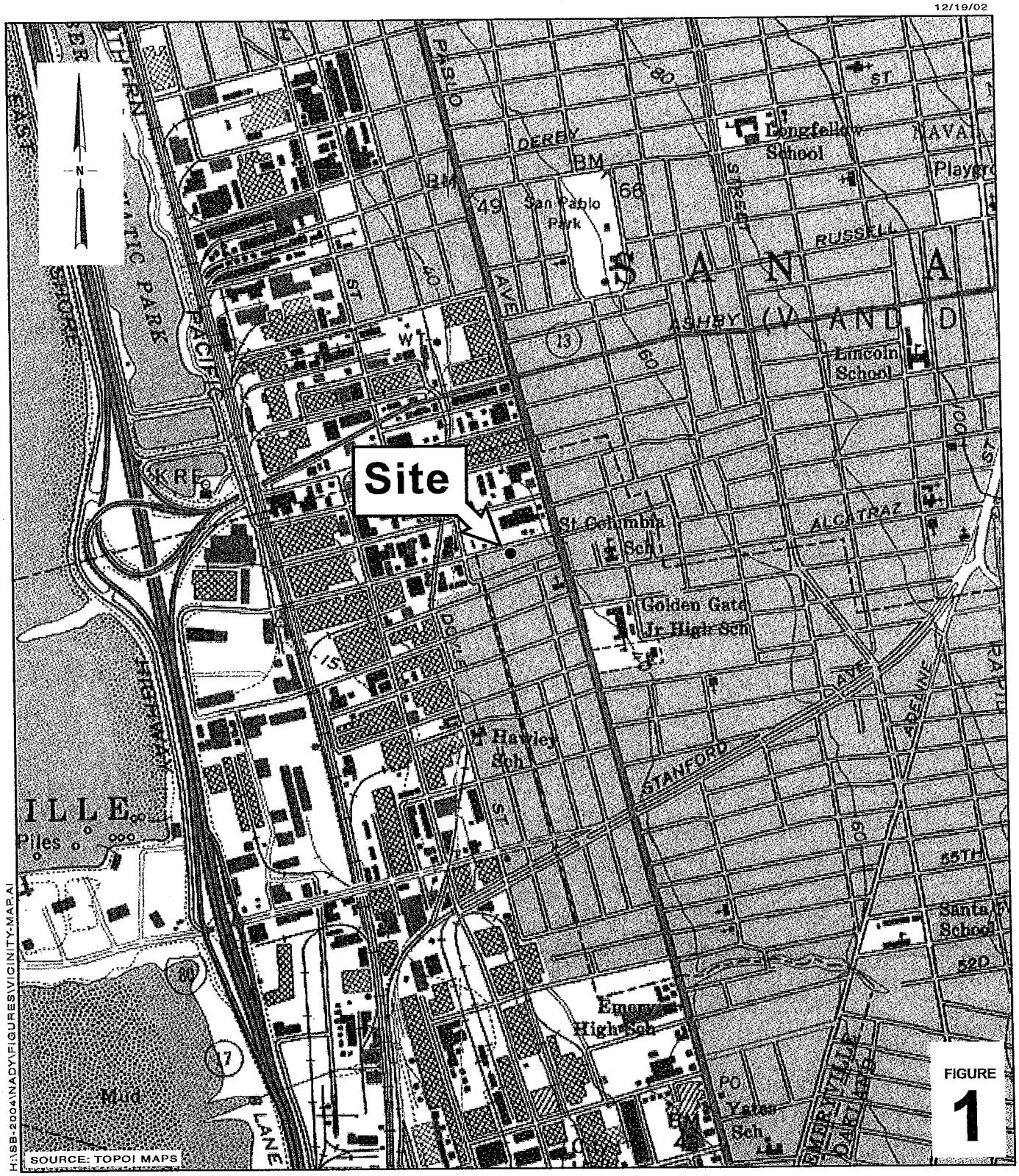
ATTACHMENTS

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

12/19/02



H:\SB-2004\NADY\FIGURES\VICINITY-MAP.AI

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

FIGURE 1

Vicinity Map

1137 - 1167 65th Street

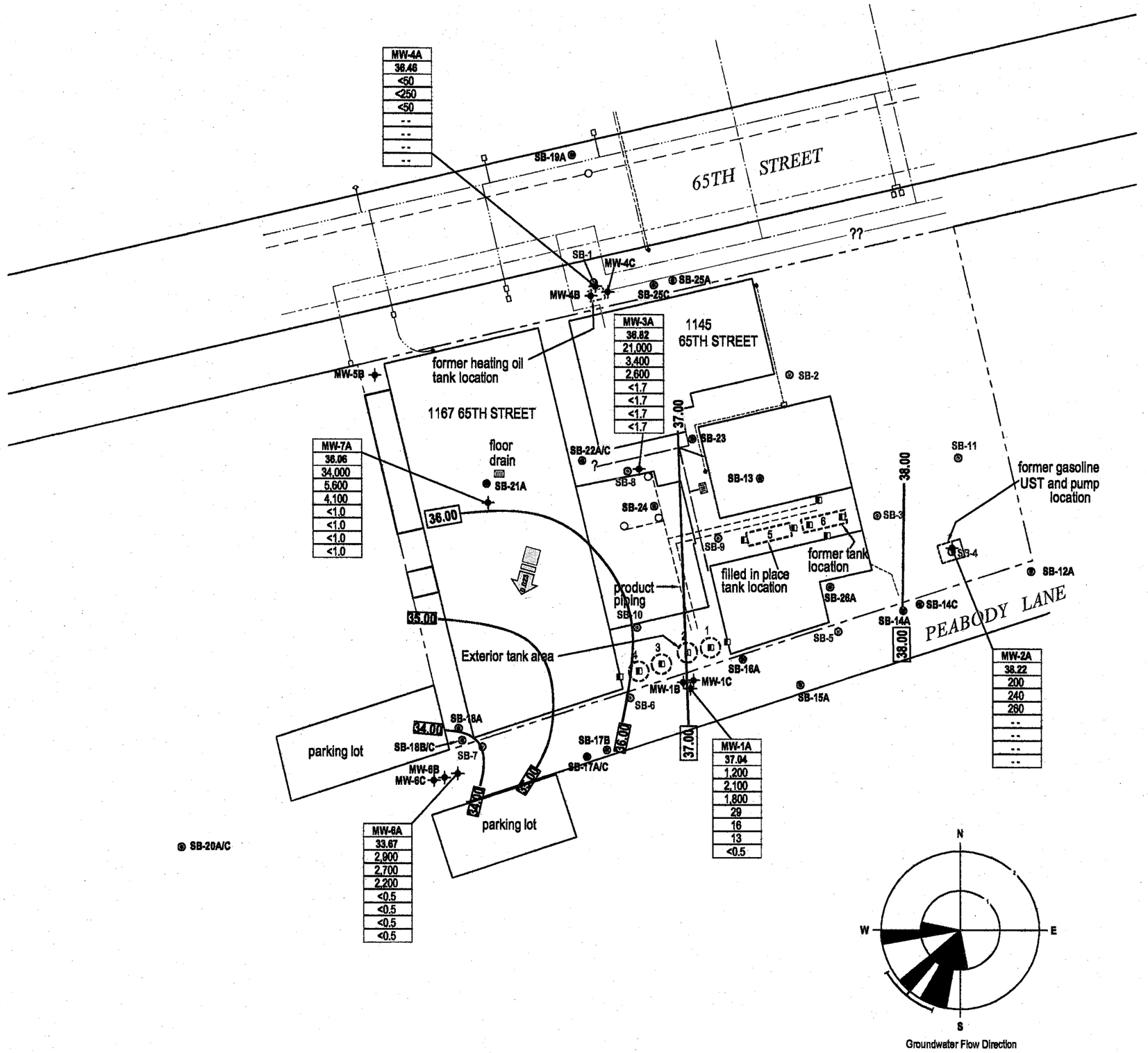
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

05/11/07

Groundwater Flow and Chemical Concentrations - A Zone

March 29, 2007



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
- 2.031 — Groundwater flow direction and gradient

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

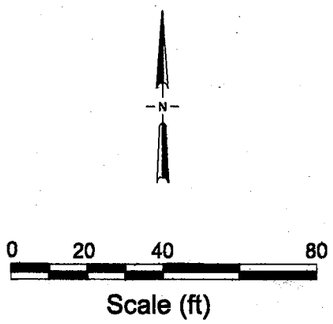
Monitoring Well Designation

Groundwater elevation in feet above mean sea level (MSL)

Concentrations in groundwater in micrograms per liter

-- Not analyzed

Groundwater Flow Direction



FIGURE

2

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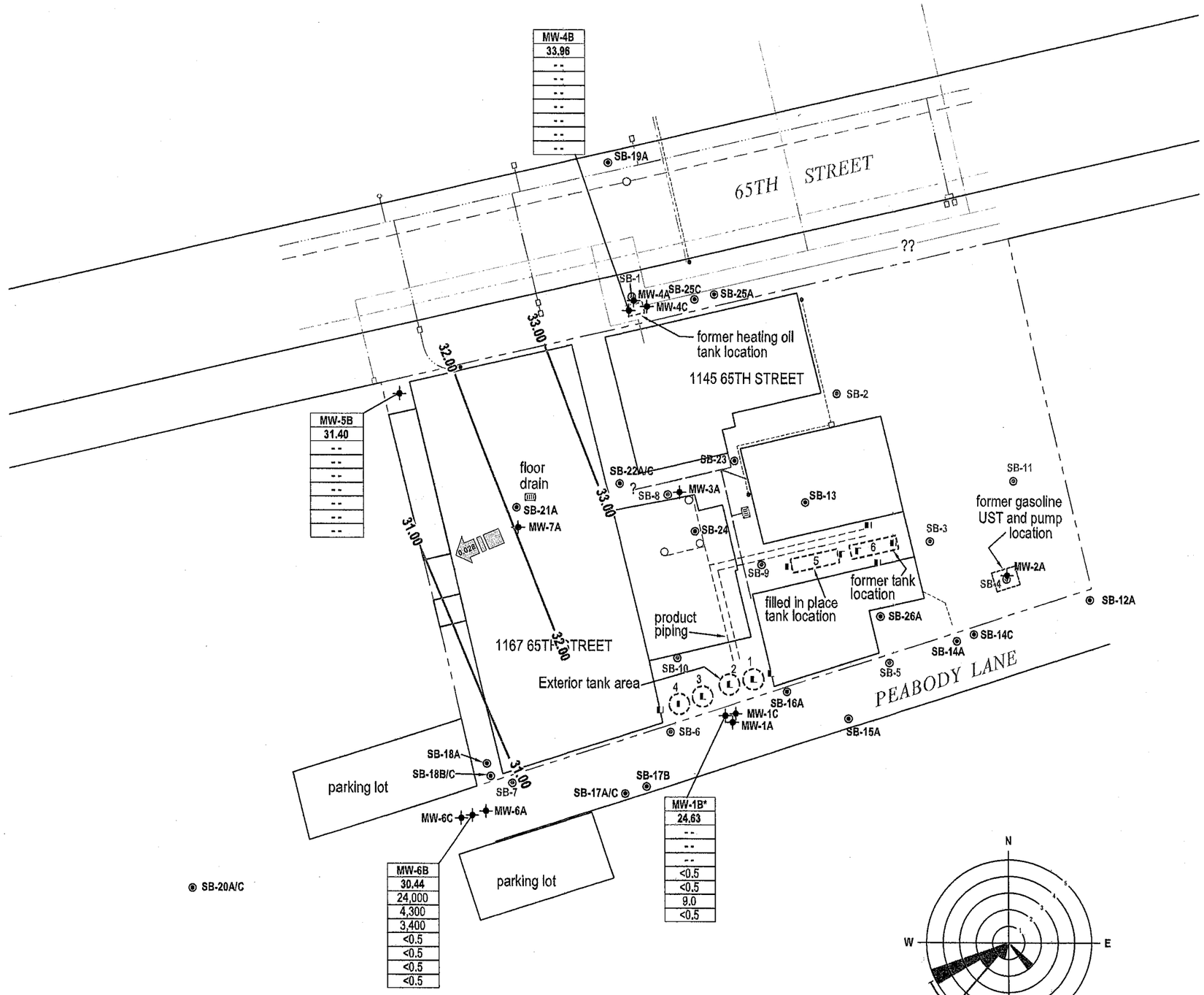
1137 - 1167 65th Street
Oakland, California

H:\NAD\YFIGURES\2007\1\QGW-A-07.DWG

05/11/07

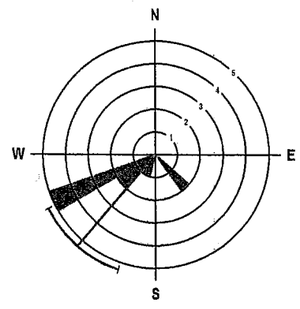
Groundwater Flow and Chemical Concentrations - B Zone

March 29, 2007

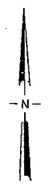


EXPLANATION

- MW-1A — CRA monitoring well location
- SB-12 — CRA soil boring location
- SB-1 — CRA soil boring/temporary well location
- SCI soil sample location
- 1 — Former tank location and tank nomenclature
- Product piping
- Product piping stub-ups
- Electrical line
- Storm drain
- Sanitary sewer line
- Water line
- Gas line
- Communications line
- 32.00 — Groundwater elevation contour line in feet above mean sea level (MSL)
- 0.021 — Groundwater flow direction and gradient
- Well ID / ELEV. / TPHd / TPHss / TPHg / PCE / TCE / cis-1,2-DCE / Vinyl Chloride — Monitoring Well Designation; Groundwater elevation in feet above mean sea level (MSL); Concentrations in groundwater in micrograms per liter
- -- Not analyzed
- * Groundwater elevation is anomalous; not used for contouring or calculation of gradient



Groundwater Flow Direction



0 20 40 80

Scale (ft)

FIGURE

3

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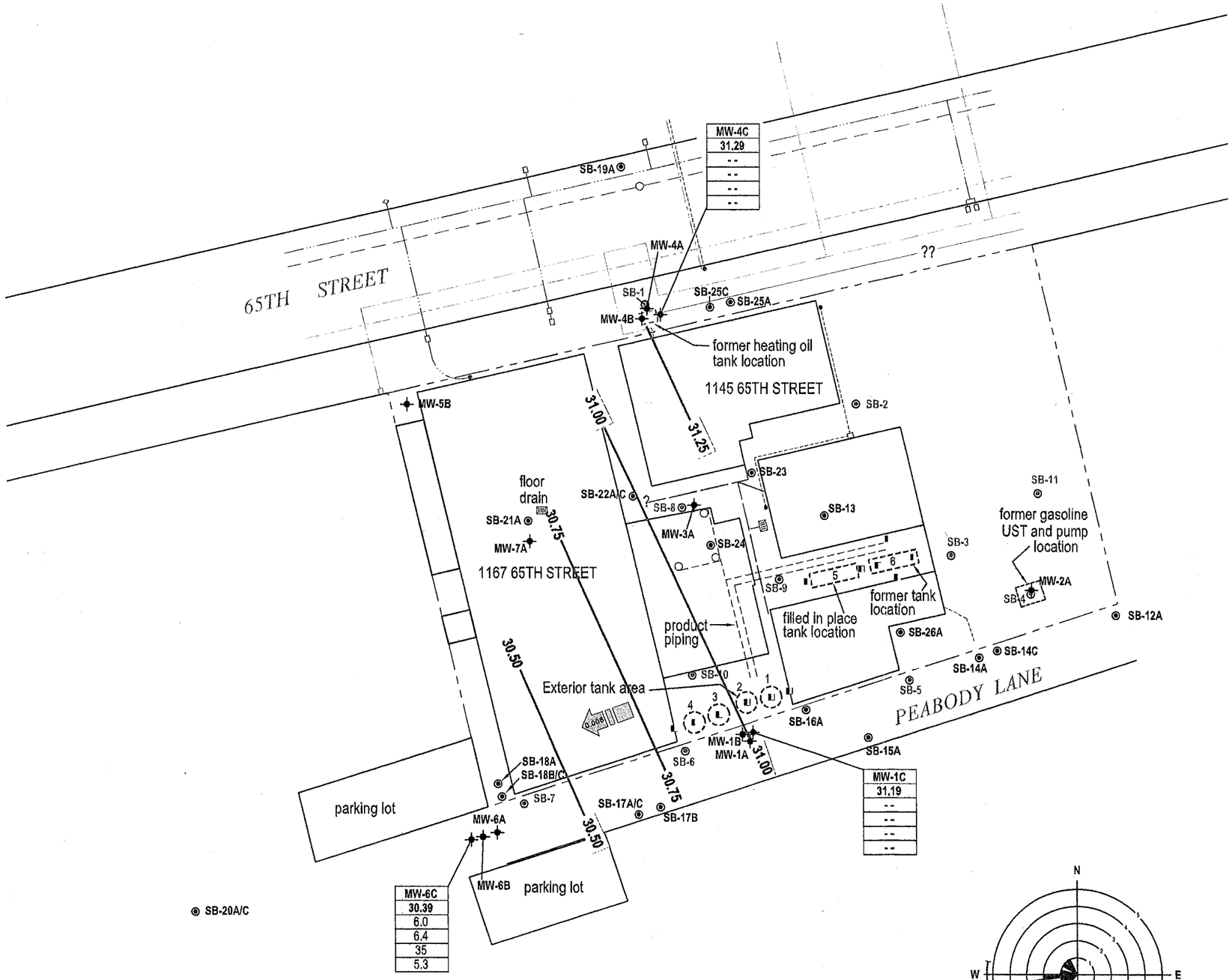
1137 - 1167 65th Street
Oakland, California

05/11/07

Groundwater Flow and Chemical Concentrations - C Zone

March 29, 2007



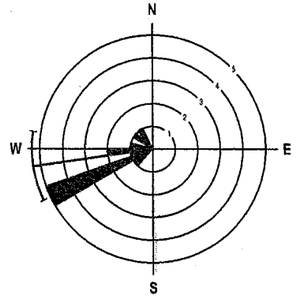
EXPLANATION

- 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)
- 0.008 — Groundwater flow direction and gradient

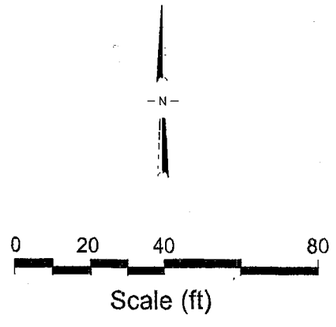
Well ID
ELEV.
PCE
TCE
cis-1,2-DCE
Vinyl Chloride

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

-- Not analyzed



Groundwater Flow Direction



FIGURE

4

CONESTOGA-ROVERS & ASSOCIATES

1137 - 1167 65th Street
Oakland, California

H:\NAD\YFIGURES\2007\1QGW-C-07.DWG

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)
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
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
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
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
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
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
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
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
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
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
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
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
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

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

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

Well ID *TOC* *(ft)*	Date Sampled	Groundwater Elevation (ft msl)	Depth to Water (ft)	TPHd	TPHg	TPHmo	TPHss	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
				←				µg/L				→	
MW-1A	6/3/2004	35.14	4.50	1,300	1,400	260	2,500	ND<0.5	ND<0.5	2.0	11	ND<5.0	
39.64	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
MW-2A	6/3/2004	36.48	4.24	2,900	1,700	ND<250	3,500	ND<0.5	3.5	4.9	5.1	ND<5.0	
40.72	11/23/2004	37.83	2.89	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/14/2005	39.02	1.70	--	--	--	--	--	--	--	--	--	
	3/15/2005	--	--	560	360	450	260	ND<0.5	2.5	ND<0.5	ND<0.5	ND<5.0	e,d,g,i
	6/15/2005	37.91	2.81	--	--	--	--	--	--	--	--	--	
	6/16/2005	--	--	470	480	330	430	ND<0.5	2.9	ND<0.5	ND<0.5	ND<5.0	a,b,i,g,e
	9/19/2005	35.46	5.26	--	--	--	--	--	--	--	--	--	
	9/20/2005	--	--	2,100	960	870	960	ND<0.5	4.7	2.9	ND<0.5	ND<5.0	e,g,b,i,l
	12/12/2005	37.66	3.06	--	--	--	--	--	--	--	--	--	
	12/13/2005	--	--	700	670	470	510	ND<0.5	5.9	ND<0.5	ND<0.5	ND<5.0	a,b,e,g,i
	3/13/2006	40.33	0.39	--	--	--	--	--	--	--	--	--	
	3/14/2006	--	--	81	100	ND<250	81	ND<0.5	1.5	ND<0.5	ND<0.5	--	a,b,c,i
	6/19/2006	37.31	3.41	--	--	--	--	--	--	--	--	--	
	6/20/2006	--	--	530	270	420	180	ND<0.5	1.7	ND<0.5	ND<0.5	--	e,g,i,l
	9/20/2006	34.65	6.07	800	1,700	730	1,700	ND<2.5	5.5	ND<2.5	ND<2.5	--	a,b,d,e,g,i
	12/20/2006	38.57	2.15	190	94	300	61	ND<0.5	1.5	ND<0.5	ND<0.5	--	e,g,m,n
	3/29/2007	38.22	2.50	200	260	ND<250	240	ND<0.5	2.7	ND<0.5	ND<0.5	ND<5.0	a,b,c
MW-3A	6/3/2004	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	
40.88	11/23/2004	37.89	2.99	22,000	3,800	ND<2,500	5,700	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	a,c,d
	3/14/2005	37.28	3.60	--	--	--	--	--	--	--	--	--	
	3/15/2005	--	--	37,000	2,400	ND<2,500	3,500	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<17	e,d,i
	6/15/2005	36.78	4.10	--	--	--	--	--	--	--	--	--	
	6/16/2005	--	--	15,000	2,100	ND<1,200	3,300	ND<1.7	ND<1.7	ND<1.7	2.4	ND<17	a,c,d,h,i
	9/19/2005	35.93	4.95	--	--	--	--	--	--	--	--	--	

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

Well ID *TOC* *(ft)*	Date Sampled	Groundwater Elevation (ft msl)	Depth to Water (ft)	TPHd	TPHg	TPHmo	TPHss	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
				←				µg/L				→	
	9/20/2005	--	--	55,000	4,700	ND<5,000	8,000	ND<1.0	ND<1.0	2.6	6.8	ND<10	a,b,c,d,i
	12/12/2005	36.72	4.16	--	--	--	--	--	--	--	--	--	
	12/13/2005	--	--	34,000	1,100	ND<12,000	1,600	ND<1.7	ND<1.7	ND<1.7	2.3	ND<17	a,b,c,d,h,i
	3/13/2006	37.42	3.46	--	--	--	--	--	--	--	--	--	
	3/14/2006	--	--	21,000	2,200	1,600	3,300	ND<0.5	ND<0.5	1.1	ND<0.5	--	a,c,d,g,h
	6/19/2006	36.48	4.40	--	--	--	--	--	--	--	--	--	
	6/20/2006	--	--	19,000	8,000	1,000	16,000	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	c,d,g,h,m
	9/20/2006	35.78	5.10	13,000	2,500	1,300	3,300	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	a,c,d,g,h,i
	12/20/2006	36.78	4.10	15,000	2,600	670	3,500	ND<2.5	ND<2.5	ND<2.5	7.6	--	e,g,h,n
	3/29/2007	36.82	4.06	21,000	2,600	940	3,400	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	a,c,d,h
MW-4A	6/3/2004	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	
38.71	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	
MW-6A	6/3/2004	31.98	6.00	3,500	970	340	2,400	ND<0.5	ND<0.5	ND<0.5	2.1	ND<5.0	
37.98	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<50	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

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

Well ID *TOC* *(ft)*	Date Sampled	Groundwater Elevation (ft msl)	Depth to Water (ft)	TPHd	TPHg	TPHmo	TPHss	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
				←				µg/L				→	
	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
MW-7A	6/3/2004	36.08	4.50	--	3,900	--	9,900	ND<5.0	ND<5.0	ND<5.0	6.6	ND<50	
40.58	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
MW-1B	6/3/2004	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	
39.50	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	--	--	--	--	--	--	--	--	--	
MW-4B	6/3/2004	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	
38.54	11/23/2004	34.65	3.89	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/14/2005	34.78	3.76	--	--	--	--	--	--	--	--	--	
	3/15/2005	--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	6/15/2005	33.98	4.56	--	--	--	--	--	--	--	--	--	
	6/16/2005	--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	9/19/2005	32.57	5.97	--	--	--	--	--	--	--	--	--	
	9/20/2005	--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	12/12/2005	33.65	4.89	--	--	--	--	--	--	--	--	--	

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

Well ID *TOC* *(ft)*	Date Sampled	Groundwater Elevation (ft msl)	Depth to Water (ft)	TPHd	TPHg	TPHmo	TPHss	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
				←				µg/L				→	
	12/13/2005	--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	3/13/2006	34.61	3.93	--	--	--	--	--	--	--	--	--	
	6/19/2006	33.86	4.68	--	--	--	--	--	--	--	--	--	
	9/20/2006	32.58	5.96	--	--	--	--	--	--	--	--	--	
	12/20/2006	33.92	4.62	--	--	--	--	--	--	--	--	--	
	3/29/2007	33.96	4.58	--	--	--	--	--	--	--	--	--	
MW-5B	6/3/2004	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	
38.98	11/23/2004	31.32	7.66	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/14/2005	32.71	6.27	--	--	--	--	--	--	--	--	--	
	3/15/2005	--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	6/15/2005	31.20	7.78	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	9/19/2005	28.68	10.30	--	--	--	--	--	--	--	--	--	
	9/20/2005	--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	12/12/2005	30.65	8.33	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	3/13/2006	32.87	6.11	--	--	--	--	--	--	--	--	--	
	6/19/2006	30.97	8.01	--	--	--	--	--	--	--	--	--	
	9/20/2006	29.68	9.30	--	--	--	--	--	--	--	--	--	
	12/20/2006	31.21	7.77	--	--	--	--	--	--	--	--	--	
	3/29/2007	31.40	7.58	--	--	--	--	--	--	--	--	--	
MW-6B	6/3/2004	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	
37.66	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
	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
MW-1C	6/3/2004	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	
39.49	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	

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Well ID *TOC* *(ft)*	Date Sampled	Groundwater Elevation (ft msl)	Depth to Water (ft)	TPHd	TPHg	TPHmo	TPHss	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
				←				µg/L				→	
	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	--	--	--	--	--	--	--	--	--	
MW-4C	6/3/2004	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	
38.50	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	--	--	--	--	--	--	--	--	--	

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Well ID *TOC* *(ft)*	Date Sampled	Groundwater Elevation (ft msl)	Depth to Water (ft)	TPHd	TPHg	TPHmo	TPHss	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
				←				µg/L				→	
MW-6C	6/3/2004	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	--	--	--	--	--	--	--	--	--	

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

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

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 Elevation (ft amsl)	Depth to Water (ft)	Chloroethane	Chloroform	1,1,2,2-Tetrachloroethane	(PCE) Tetrachloroethene	(TCE) Trichloroethene	1,2-Dichlorobenzene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethane	1,2-Dichloroethane	Vinyl Chloride	Notes/Other VOCs
				←					µg/L					→	
MW-1A	6/3/2004	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	
39.64 -	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,i
	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,i
	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	
MW-2A	6/3/2004	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	
40.72	11/23/2004	37.83	2.89	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/14/2005	39.02	1.70	--	--	--	--	--	--	--	--	--	--	--	
	3/15/2005	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	6/15/2005	37.91	2.81	--	--	--	--	--	--	--	--	--	--	--	
	6/16/2005	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	9/19/2005	35.46	5.26	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2005	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	12/12/2005	37.66	3.06	--	--	--	--	--	--	--	--	--	--	--	
	12/13/2005	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	3/13/2006	40.33	0.39	--	--	--	--	--	--	--	--	--	--	--	
	6/19/2006	37.31	3.41	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2006	34.65	6.07	--	--	--	--	--	--	--	--	--	--	--	
	12/20/2006	38.57	2.15	--	--	--	--	--	--	--	--	--	--	--	
	3/29/2007	38.22	2.50	--	--	--	--	--	--	--	--	--	--	--	
MW-3A	6/3/2004	36.56	4.32	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	a
40.88	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 (31)
	12/20/2006	36.78	4.10	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	h, chlorobenzene (31) 1,4-dichlorobenzene (5.6)
	3/29/2007	36.82	4.06	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.7	chlorobenzene (55) 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 Elevation (ft amsl)	Depth to Water (ft)	Chloroethane	Chloroform	1,1,2,2-Tetrachloroethane	(PCE) Tetrachloroethene	(TCE) Trichloroethene	1,2-Dichlorobenzene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethane	1,2-Dichloroethane	Vinyl Chloride	Notes/Other VOCs
				←					µg/L					→	
MW-4A	6/3/2004	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	
38.71	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	
	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	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	
	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	
	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	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	--	--	--	--	--	--	--	--	--	--	--	
MW-6A	6/3/2004	31.98	6.00	4.7	0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.8	2.1	ND<0.5	6.7	
37.98	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	
	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	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	2.5	1.5	ND<0.5	3.2	i, 1,4-dichlorobenzene (0.60)
	9/19/2005	32.07	5.91	21	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.6	ND<0.5	6.7	4.7	0.59	5.0	
	12/12/2005	33.12	4.86	13	ND<0.5	8.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.1	0.82	ND<0.5	ND<0.5	h,i
	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	h
	6/19/2006	32.59	5.39	9.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.0	1.1	ND<0.5	1.3	h
	9/20/2006	31.96	6.02	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.6	1.9	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	h
	3/29/2007	33.67	4.31	8.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.69	0.71	ND<0.5	ND<0.5	
MW-7A	6/3/2004	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	
40.58	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	h
	6/15/2005	36.41	4.17	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h,i
	9/19/2005	35.25	5.33	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	12/12/2005	36.15	4.43	ND<0.5	ND<0.5	21	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h,i
	3/13/2006	36.76	3.82	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h,i
	6/19/2006	35.78	4.80	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h,i
	9/20/2006	35.03	5.55	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h,i
	12/20/2006	36.35	4.23	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	3/29/2007	36.06	4.52	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	
MW-1B	6/3/2004	25.10	14.40	ND<0.5	8.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.9	ND<0.5	8.1	7.9	ND<0.5	
39.50	11/23/2004	26.24	13.26	ND<0.5	6.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.5	ND<0.5	8.4	8.8	ND<0.5	
	3/14/2005	33.97	5.53	1.1	1.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.8	ND<0.5	5.2	12	ND<0.5	i
	6/15/2005	31.87	7.63	ND<0.5	1.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.3	ND<0.5	8.8	9.9	ND<0.5	i
	9/19/2005	30.35	9.15	0.98	0.87	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.0	ND<0.5	7.1	11	ND<0.5	i
	12/12/2005	30.39	9.11	1.5	0.75	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.7	ND<0.5	7.0	12	ND<0.5	i
	3/13/2006	32.15	7.35	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	6.1	ND<0.5	6.8	5.2	ND<0.5	i
	6/19/2006	22.99	16.51	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.0	ND<0.5	7.8	6.2	ND<0.5	
	9/20/2006	30.32	9.18	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	9.9	ND<0.5	11	10	ND<0.5	i
	12/20/2006	31.60	7.90	2.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	9.9	ND<0.5	7.7	7.8	ND<0.5	
	3/29/2007	24.63	14.87	1.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	9.0	ND<0.5	9.7	8.7	ND<0.5	

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 Elevation (ft amsl)	Depth to Water (ft)	Chloroethane	Chloroform	1,1,2,2-Tetrachloroethane	(PCE) Tetrachloroethene	(TCE) Trichloroethene	1,2-Dichlorobenzene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethane	1,2-Dichloroethane	Vinyl Chloride	Notes/Other VOCs
				←					µg/L					→	
MW-4B	6/3/2004	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	
38.54	11/23/2004	34.65	3.89	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/14/2005	34.78	3.76	--	--	--	--	--	--	--	--	--	--	--	
	3/15/2005	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	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	i
	9/19/2005	32.57	5.97	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2005	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	12/12/2005	33.65	4.89	--	--	--	--	--	--	--	--	--	--	--	
	12/13/2005	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	3/13/2006	34.61	3.93	--	--	--	--	--	--	--	--	--	--	--	
	6/19/2006	33.86	4.68	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2006	32.58	5.96	--	--	--	--	--	--	--	--	--	--	--	
	12/20/2006	33.92	4.62	--	--	--	--	--	--	--	--	--	--	--	
	3/29/2007	33.96	4.58	--	--	--	--	--	--	--	--	--	--	--	
MW-5B	6/3/2004	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	
38.98	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	
	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	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	i
	9/19/2005	28.68	10.30	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2005	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	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	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	--	--	--	--	--	--	--	--	--	--	--	
MW-6B	6/3/2004	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	
37.66	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	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	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	0.66	ND<0.5	0.55	
	9/19/2005	28.83	8.83	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.0	1.2	ND<0.5	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	1.3	ND<0.5	1.3	ND<0.5	ND<0.5	h,i
	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	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	0.52	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	j,h,i
	12/20/2006	30.34	7.32	2.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2	ND<0.5	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	0.76	ND<0.5	ND<0.5	
MW-1C	6/3/2004	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	
39.49	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	
	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	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	
	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	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	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	--	--	--	--	--	--	--	--	--	--	--	

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 Elevation (ft amsl)	Depth to Water (ft)	Chloroethane	Chloroform	1,1,2,2-Tetrachloroethane	(PCE) Tetrachloroethene	(TCE) Trichloroethene	1,2-Dichlorobenzene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethane	1,2-Dichloroethane	Vinyl Chloride	Notes/Other VOCs
				←					µg/L					→	
	3/29/2007	31.19	8.30	--	--	--	--	--	--	--	--	--	--	--	
MW-4C	6/3/2004	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	
38.50	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	
	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	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	
	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	
	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	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	--	--	--	--	--	--	--	--	--	--	--	
MW-6C	6/3/2004	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	
37.59	11/23/2004	29.21	8.38	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/14/2005	31.79	5.80	ND<0.5	ND<0.5	ND<0.5	1.8	1.9	ND<0.5	12	ND<0.5	1.1	ND<0.5	2.3	
	6/15/2005	30.14	7.45	ND<0.5	ND<0.5	ND<0.5	3.1	3.1	ND<0.5	20	0.64	1.4	ND<0.5	5.7	
	9/19/2005	28.79	8.80	ND<0.5	ND<0.5	ND<0.5	2.9	3.0	ND<0.5	18	0.57	1.3	ND<0.5	6.8	
	12/12/2005	29.81	7.78	0.66	ND<0.5	ND<0.5	3.2	3.0	ND<0.5	19	0.61	1.4	ND<0.5	10	
	3/13/2006	32.09	5.50	ND<0.5	ND<0.5	ND<0.5	3.2	3.9	ND<0.5	26	0.61	0.95	ND<0.5	5.1	
	6/19/2006	29.84	7.75	ND<0.5	ND<0.5	ND<0.5	4.0	3.4	ND<0.5	32	0.78	0.96	ND<0.5	11	
	9/20/2006	28.74	8.85	ND<0.5	ND<0.5	ND<0.5	3.7	4.6	ND<0.5	23	0.76	1.0	ND<0.5	9.4	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	13	
	3/29/2007	30.39	7.20	ND<0.5	ND<0.5	ND<0.5	6.0	6.4	ND<0.5	35	1.2	1.1	ND<0.5	5.3	

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

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL GAUGING SHEET

Client: Cambria Environmental Technology Inc.

Site Address: 1137 - 1167 65th Street, Oakland, CA

Date: 3/29/2007 **Signature:**

Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-1A	8:40		2.60		14.41	
MW-1B	8:35		14.87		19.75	
MW-1C	8:30		8.30		34.55	
MW-2A	8:25		2.50		11.14	
MW-3A	9:00		4.06		13.95	
MW-4A	8:15		2.25		12.65	
MW-4B	8:10		4.58		20.78	
MW-4C	8:00		7.21		32.00	
MW-5B	8:20		7.58		23.05	
MW-6A	8:55		4.31		14.41	
MW-6B	8:50		7.22		22.00	

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL GAUGING SHEET

Client: Cambria Environmental Technology Inc.

Site Address: 1137 - 1167 65th Street, Oakland, CA

Date: 3/29/2007 **Signature:**

Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-6C	8:45		7.20		33.80	
MW-7A	9:05		4.52		10.00	

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	3/29/2007
Client:	Cambria Environmental Technology Inc.
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:	14.41	**Fe=**	**mg/L**
Depth to Water:	2.60	**ORP=**	**mV**
Water Column Height:	11.81	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	1.89	**COMMENTS:**	
3 Casing Volumes (gal):	5.67	very turbid	

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
12:05	1.9	16.5	9.54	322
12:10	3.8	16.5	9.63	324
12:15	5.7	16.5	9.60	329

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-1A	3/29/2007	12:20	40 ml VOA, 1 L amber	HCl, ICE	TPHg/ss BTEX TPHd TPHmo HVOCs	8015 with silica gel clean up, 8021, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	3/29/2007
Client:	Cambria Environmental Technology Inc.
Site Address:	1137 - 1167 65th Street, Oakland, CA
Well ID:	MW-1B
Well Diameter:	2"
Purging Device:	Disposable Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	19.75	**Fe=**	**mg/L**
Depth to Water:	14.87	**ORP=**	**mV**
Water Column Height:	4.88	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	0.78	**COMMENTS:** very turbid	
3 Casing Volumes (gal):	2.34		

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
11:45	0.8	17.9	6.67	1796
11:47	1.6	18.0	6.61	1790
11:50	2.3	17.9	6.63	1795

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-1B	3/29/2007	11:55	40 ml VOA	HCl, ICE	HVOCs	8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	3/29/2007
Client:	Cambria Environmental Technology Inc.
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:	11.14
Depth to Water:	2.50
Water Column Height:	8.64
Gallons/ft:	0.65
1 Casing Volume (gal):	5.62
3 Casing Volumes (gal):	16.85

Fe=	**mg/L**
ORP=	**mV**
DO=	**mg/L**

COMMENTS:
very turbid, silty

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
1:15	5.6	16.1	7.70	295
1:20	11.2	16.5	7.68	288
1:25	16.8	16.2	7.68	284

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-2A	3/29/2007	1:30	40 ml VOA, 1 L amber	HCl, ICE	TPHg/ss BTEX TPHd TPHmo	8015 with silica gel clean up, 8021
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	3/29/2007
Client:	Cambria Environmental Technology Inc.
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
Depth to Water:	4.06
Water Column Height:	9.89
Gallons/ft:	0.16
1 Casing Volume (gal):	1.58
3 Casing Volumes (gal):	4.75

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
12;50	1.6	16.1	6.64	410
12:52	3.2	16.0	6.69	417
12:55	4.7	16.2	6.72	411

Fe= **mg/L**

ORP= **mV**

DO= **mg/L**

COMMENTS:
very turbid, silty

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-3A	3/29/2007	1:00	40 ml VOA, 1 L amber	HCl, ICE	TPHg/ss BTEX TPHd TPHmo HVOCs	8015 with silica gel clean up, 8021, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	3/29/2007
Client:	Cambria Environmental Technology Inc.
Site Address:	1137 - 1167 65th Street, Oakland, CA
Well ID:	MW-4A
Well Diameter:	2"
Purging Device:	Disposable Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	12.65
Depth to Water:	2.25
Water Column Height:	10.40
Gallons/ft:	0.16
1 Casing Volume (gal):	1.66
3 Casing Volumes (gal):	4.99

Fe=	**mg/L**
ORP=	**mV**
DO=	**mg/L**

COMMENTS:
turbid

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
12:30	1.7	15.0	11.06	637
12:33	3.3	14.4	11.06	636
12:35	5.0	14.9	11.09	631

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-4A	3/29/2007	12:40	40 ml VOA, 1 L amber	HCl, ICE	TPHg/ss BTEX TPHd TPHmo	8015 with silica gel clean up, 8021

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	3/29/2007
Client:	Cambria Environmental Technology Inc.
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:	14.41	**Fe=**	**mg/L**
Depth to Water:	4.31	**ORP=**	**mV**
Water Column Height:	10.10	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	1.62		
3 Casing Volumes (gal):	4.85		

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
11:15	1.6	16.6	6.68	490
11:20	3.2	16.5	6.60	499
11:25	4.8	17.1	6.65	503

COMMENTS:
very turbid

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-6A	3/29/2007	11:30	40 ml VOA, 1 L amber	HCl, ICE	TPHg/ss BTEX TPHd TPHmo HVOCs	8015 with silica gel clean up, 8021, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	3/29/2007
Client:	Cambria Environmental Technology Inc.
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
Depth to Water:	7.22
Water Column Height:	14.78
Gallons/ft:	0.16
1 Casing Volume (gal):	2.36
3 Casing Volumes (gal):	7.09

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
10:50	2.4	16.5	6.82	1040
10:55	4.7	17.0	6.81	1062
11:00	7.1	17.1	6.82	1081

Fe= **mg/L**

ORP= **mV**

DO= **mg/L**

COMMENTS:
turbid, light sheen

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-6B	3/29/2007	11:05	40 ml VOA, 1 L amber	HCl, ICE	TPHg/ss BTEX TPHd TPHmo HVOCs	8015 with silica gel clean up, 8021, 8010

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	3/29/2007
Client:	Cambria Environmental Technology Inc.
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:	33.80	**Fe=**	**mg/L**
Depth to Water:	7.20	**ORP=**	**mV**
Water Column Height:	26.60	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	4.26	**COMMENTS:**	
3 Casing Volumes (gal):	12.77	light sheen	

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
10:20	4.3	17.4	6.73	1064
10:25	8.5	17.3	6.72	1092
10:30	12.8	17.2	6.71	1101

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-6C	3/29/2007	10:35	40 ml VOA, 1 L amber	HCl, ICE	HVOCs	8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	3/29/2007
Client:	Cambria Environmental Technology Inc.
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
Depth to Water:	4.52
Water Column Height:	5.48
Gallons/ft:	0.16
1 Casing Volume (gal):	0.88
3 Casing Volumes (gal):	2.63

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
9:20	0.9	16.4	6.42	980
9:22	1.8	16.2	6.50	984
9:25	2.6	16.0	6.50	986

Fe= **mg/L**

ORP= **mV**

DO= **mg/L**

COMMENTS:
very turbid, silty, sheen

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-7A	3/29/2007	9:30	40 ml VOA, 1 L amber	HCl, ICE	TPHg/ss BTEX TPHd TPHmo HVOCs	8015 with silica gel clean up, 8021, 8010

Signature:

CONESTOGA-ROVERS
& ASSOCIATES

APPENDIX B

Laboratory Analytical Report

McCampbell 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	Client Project ID: #522-1000; Nady Systems	Date Sampled: 03/29/07
5900 Hollis St, Suite A		Date Received: 03/29/07
Emeryville, CA 94608	Client Contact: Mark Jonas	Date Reported: 04/05/07
	Client P.O.:	Date Completed: 04/05/07

WorkOrder: 0703713

April 05, 2007

Dear Mark:

Enclosed are:

1). the results of **9** analyzed samples from your **#522-1000; Nady Systems project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill 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 please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

#0703713 CETE

McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

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

GeoTracker EDF ☒ PDF ☐ Excel ☐ Write On (DW) ☐

Report To: Mark Jonas Bill To: Cambria Environmental Tech. Inc.

Company: Cambria Environmental Technology

5900 Hollis Street Ste. A

Emeryville, CA

Tele: (510) 420-3307 E-Mail: mjonas@cambria-env.com

Fax: (510) 420-9170

Project #: 522-1000 Project Name: Nady Systems

Project Location: 1137-1167 65th St., Oakland, CA

Sampler Signature: Muskan Environmental Sampling

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	Analysis Request: MTBE / BTEX & TPH as Gas (602 / 8021 + 8015)	MTBE / BTEX ONLY (EPA 602 / 8021)	TPH as Diesel / Motor Oil (8015) w/ Silica Gel (Clean up)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other: TPHg/ss, BTEX 8015/8020	Other: HVOC's by 8010	Comments
MW-1A		3-29-07	12:20	2	VOA amb	X					X	X					X														X	X	
MW-1B			11:55	4	VOA																											X	
MW-2A			1:30	4 2	VOA amb												X														X		
MW-3A			1:00														X														X	X	
MW-4A			12:40														X														X		
MW-6A			11:30														X														X	X	
MW-6B			11:05	X	X												X														X	X	
MW-6C			10:35	4	VOA																											X	
MW-7A		X	9:30	4 2	VOA amb	X					X	X					X														X	X	

Relinquished By:	Date:	Time:	Received By:
	3-29-07	3:00	Michelle Templeman
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° 5.0°C

GOOD CONDITION ✓

HEAD SPACE ABSENT ✓

DECHLORINATED IN LAB

APPROPRIATE CONTAINERS

PRESERVED IN LAB

PRESERVATION VOAS O&G METALS OTHER pH<2

COMMENTS:

Filter Samples for Metals analysis: Yes / No

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0703713 **ClientID: CETE**

☑ EDF ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

Requested TAT: 5 days

Report to:
Mark Jonas
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608

Email: mjonas@cambria-env.com
TEL: (510) 420-070 FAX: (510) 420-917
ProjectNo: #522-1000; Nady Systems
PO:

Bill to
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Date Received: **03/29/2007**
Date Printed: **03/29/2007**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0703713-001	MW-1A	Water	03/29/07 12:02:00	☐	C	B	A	A								
0703713-002	MW-1B	Water	03/29/07 11:55:00	☐	A											
0703713-003	MW-2A	Water	03/29/07 1:30:00	☐		B		A								
0703713-004	MW-3A	Water	03/29/07 1:00:00	☐	C	B		A								
0703713-005	MW-4A	Water	03/29/07 12:40:00	☐		B		A								
0703713-006	MW-6A	Water	03/29/07 11:30:00	☐	C	B		A								
0703713-007	MW-6B	Water	03/29/07 11:05:00	☐	C	B		A								
0703713-008	MW-6C	Water	03/29/07 10:35:00	☐	A											
0703713-009	MW-7A	Water	03/29/07 9:30:00	☐	C	B		A								

Test Legend:

1	8010BMS_W	2	G-MBTEX_W	3	PREDF REPORT	4	TPH(DMO)WSG_W	5	
6		7		8		9		10	
11		12							

Prepared by: Chloe Lam

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.

McCampbell Analytical, Inc.
"When Quality Counts"

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

Conestoga-Rovers & Associates	Client Project ID: #522-1000; Nady Systems	Date Sampled: 03/29/07
5900 Hollis St, Suite A		Date Received: 03/29/07
	Client Contact: Mark Jonas	Date Extracted: 03/31/07-04/01/07
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 03/31/07-04/01/07

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0703713

Lab ID	0703713-001C	0703713-002A	0703713-004C	0703713-006C	Reporting Limit for DF =1	
Client ID	MW-1A	MW-1B	MW-3A	MW-6A		
Matrix	W	W	W	W	S	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	55	ND	NA	0.5
Chloroethane	ND	1.6	ND<1.7	8.0	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	6.0	ND	NA	0.5
Dichlorodifluoromethane	ND	ND	ND<1.7	ND	NA	0.5
1,1-Dichloroethane	1.4	9.7	ND<1.7	0.71	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	8.7	ND<1.7	ND	NA	0.5
1,1-Dichloroethene	ND	ND	ND<1.7	ND	NA	0.5
cis-1,2-Dichloroethene	13	9.0	ND<1.7	ND	NA	0.5
trans-1,2-Dichloroethene	1.2	ND	ND<1.7	0.69	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	29	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	16	ND	ND<1.7	ND	NA	0.5
Trichlorofluoromethane	ND	ND	ND<1.7	ND	NA	0.5
Vinyl Chloride	ND	ND	ND<1.7	ND	NA	0.5
Surrogate Recoveries (%)						
%SS1:	101	100	99	101		
%SS2:	103	106	104	104		
%SS3:	91	92	87	90		
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.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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"When Quality Counts"

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

Conestoga-Rovers & Associates	Client Project ID: #522-1000; Nady Systems	Date Sampled: 03/29/07
5900 Hollis St, Suite A		Date Received: 03/29/07
	Client Contact: Mark Jonas	Date Extracted: 03/31/07-04/01/07
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 03/31/07-04/01/07

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0703713

Lab ID	0703713-007C	0703713-008A	0703713-009C		Reporting Limit for DF =1	
Client ID	MW-6B	MW-6C	MW-7A			
Matrix	W	W	W		S	W
DF	1	1	2			
Compound	**Concentration**				µg/kg	µg/L
Bromodichloromethane	ND	ND	ND<1.0		NA	0.5
Bromoform	ND	ND	ND<1.0		NA	0.5
Bromomethane	ND	ND	ND<1.0		NA	0.5
Carbon Tetrachloride	ND	ND	ND<1.0		NA	0.5
Chlorobenzene	ND	ND	ND<1.0		NA	0.5
Chloroethane	1.5	ND	ND<1.0		NA	0.5
2-Chloroethyl Vinyl Ether	ND	ND	ND<2.0		NA	1.0
Chloroform	ND	ND	ND<1.0		NA	0.5
Chloromethane	ND	ND	ND<1.0		NA	0.5
Dibromochloromethane	ND	ND	ND<1.0		NA	0.5
1,2-Dichlorobenzene	ND	ND	ND<1.0		NA	0.5
1,3-Dichlorobenzene	ND	ND	ND<1.0		NA	0.5
1,4-Dichlorobenzene	ND	ND	ND<1.0		NA	0.5
Dichlorodifluoromethane	ND	ND	ND<1.0		NA	0.5
1,1-Dichloroethane	0.76	1.1	ND<1.0		NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND<1.0		NA	0.5
1,1-Dichloroethene	ND	ND	ND<1.0		NA	0.5
cis-1,2-Dichloroethene	ND	35	ND<1.0		NA	0.5
trans-1,2-Dichloroethene	ND	1.2	ND<1.0		NA	0.5
1,2-Dichloropropane	ND	ND	ND<1.0		NA	0.5
cis-1,3-Dichloropropene	ND	ND	ND<1.0		NA	0.5
trans-1,3-Dichloropropene	ND	ND	ND<1.0		NA	0.5
Methylene chloride	ND	ND	ND<1.0		NA	0.5
1,1,2,2-Tetrachloroethane	ND	ND	ND<1.0		NA	0.5
Tetrachloroethene	ND	6.0	ND<1.0		NA	0.5
1,1,1-Trichloroethane	ND	ND	ND<1.0		NA	0.5
1,1,2-Trichloroethane	ND	ND	ND<1.0		NA	0.5
Trichloroethene	ND	6.4	ND<1.0		NA	0.5
Trichlorofluoromethane	ND	ND	ND<1.0		NA	0.5
Vinyl Chloride	ND	5.3	ND<1.0		NA	0.5
Surrogate Recoveries (%)						
%SS1:	101	101	102			
%SS2:	104	106	104			
%SS3:	92	94	88			
Comments	h		j,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.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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Conestoga-Rovers & Associates	Client Project ID: #522-1000; Nady Systems	Date Sampled: 03/29/07
5900 Hollis St, Suite A		Date Received: 03/29/07
Emeryville, CA 94608	Client Contact: Mark Jonas	Date Extracted: 04/01/07-04/03/07
	Client P.O.:	Date Analyzed 04/01/07-04/03/07

Gasoline Range (C6-C12) & Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons BTEX and MTBE*

Extraction Method: SW5030B Analytical Method: SW8021B/8015Cm Work Order: 0703713

Lab ID	0703713-001B	0703713-003B	0703713-004B	0703713-005B	Reporting Limit for DF =1	
Client ID	MW-1A	MW-2A	MW-3A	MW-4A		
Matrix	W	W	W	W		
DF	1	1	10	1	S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(g)	1800	260	2600	ND	NA	50
TPH(ss)	2100	240	3400	ND	NA	50
MTBE	ND	ND	ND<50	ND	NA	5.0
Benzene	ND	ND	ND<5.0	ND	NA	0.5
Toluene	ND	2.7	ND<5.0	0.93	NA	0.5
Ethylbenzene	2.2	ND	ND<5.0	ND	NA	0.5
Xylenes	6.4	ND	ND<5.0	1.3	NA	0.5
Surrogate Recoveries (%)						
%SS:	96	110	92	102		
Comments	e,m	e,m	e,h			

* 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 McCampbell 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	Client Project ID: #522-1000; Nady Systems	Date Sampled: 03/29/07
5900 Hollis St, Suite A		Date Received: 03/29/07
Emeryville, CA 94608	Client Contact: Mark Jonas	Date Extracted: 04/01/07-04/03/07
	Client P.O.:	Date Analyzed 04/01/07-04/03/07

Gasoline Range (C6-C12) & Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons BTEX and MTBE*

Extraction Method: SW5030B Analytical Method: SW8021B/8015Cm Work Order: 0703713

Lab ID	0703713-006B	0703713-007B	0703713-009B		Reporting Limit for DF =1	
Client ID	MW-6A	MW-6B	MW-7A			
Matrix	W	W	W			
DF	10	10	10		S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(g)	2200	3400	4100		NA	50
TPH(ss)	2700	4300	5600		NA	50
MTBE	ND<50	ND<50	ND<50		NA	5.0
Benzene	ND<5.0	ND<5.0	ND<5.0		NA	0.5
Toluene	ND<5.0	ND<5.0	ND<5.0		NA	0.5
Ethylbenzene	ND<5.0	ND<5.0	ND<5.0		NA	0.5
Xylenes	ND<5.0	ND<5.0	ND<5.0		NA	0.5
Surrogate Recoveries (%)						
%SS:	97	97	93			
Comments	e	e,h	e,h			

* 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 McCampbell 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.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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Conestoga-Rovers & Associates	Client Project ID: #522-1000; Nady Systems	Date Sampled: 03/29/07
5900 Hollis St, Suite A		Date Received: 03/29/07
Emeryville, CA 94608	Client Contact: Mark Jonas	Date Extracted: 03/29/07
	Client P.O.:	Date Analyzed 04/01/07

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

Extraction method: SW3510C/3630C Analytical methods: SW8015C Work Order: 0703713

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0703713-001A	MW-1A	W	1200,n	ND	1	94
0703713-003A	MW-2A	W	200,n	ND	1	89
0703713-004A	MW-3A	W	21,000,n,b,h	940	1	85
0703713-005A	MW-4A	W	ND	ND	1	87
0703713-006A	MW-6A	W	2900,n	ND	1	92
0703713-007A	MW-6B	W	24,000,n,b,h	650	1	90
0703713-009A	MW-7A	W	34,000,n,b,h	890	1	105

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 McCampbell 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.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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"When Quality Counts"

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0703713

EPA Method: SW8260B	Extraction: SW5030B				BatchID: 27141				Spiked Sample ID: 0703711-007B			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCSL	CSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chlorobenzene	ND	10	102	101	0.618	101	102	0.704	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	110	109	1.45	100	101	0.649	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	100	98.6	1.60	119	118	0.993	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	94.4	94.3	0.145	93.5	94.6	1.16	70 - 130	30	70 - 130	30
%SS1:	104	10	94	92	2.35	102	101	1.03	70 - 130	30	70 - 130	30
%SS2:	103	10	99	99	0	100	101	0.354	70 - 130	30	70 - 130	30
%SS3:	91	10	109	108	0.293	105	105	0	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 27141 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0703713-001C	03/29/07 12:02 PM	03/31/07	03/31/07 4:37 AM	0703713-002A	03/29/07 11:55 AM	03/31/07	03/31/07 5:21 AM
0703713-004C	03/29/07 1:00 PM	04/01/07	04/01/07 5:16 AM	0703713-006C	03/29/07 11:30 AM	04/01/07	04/01/07 6:01 AM
0703713-007C	03/29/07 11:05 AM	04/01/07	04/01/07 6:45 AM	0703713-008A	03/29/07 10:35 AM	03/31/07	03/31/07 8:17 AM
0703713-009C	03/29/07 9:30 AM	04/01/07	04/01/07 7:30 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 cont significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

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

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

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

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JR QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0703713

EPA Method SW8021B/8015Cm	Extraction SW5030B				BatchID: 27118			Spiked Sample ID: 0703711-011A				
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)£	ND	60	98.5	116	16.5	98.8	109	9.77	70 - 130	30	70 - 130	30
MTBE	ND	10	73.9	87.9	17.4	90.8	118	26.2	70 - 130	30	70 - 130	30
Benzene	ND	10	93.9	89.3	5.04	84.3	91.2	7.83	70 - 130	30	70 - 130	30
Toluene	ND	10	104	105	0.921	95.9	103	7.41	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	98.1	98.9	0.816	95.1	102	7.34	70 - 130	30	70 - 130	30
Xylenes	ND	30	100	110	9.52	103	113	9.23	70 - 130	30	70 - 130	30
%SS:	114	10	96	97	1.24	91	93	1.87	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 27118 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0703713-001B	03/29/07 12:02 PM	04/01/07	04/01/07 1:07 AM	0703713-003B	03/29/07 1:30 PM	04/01/07	04/01/07 3:09 AM
0703713-004B	03/29/07 1:00 PM	04/01/07	04/01/07 4:10 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.

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QA/QC Officer