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February 16, 2007

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 – Fourth Quarter 2006**
1137-1167 65th Street, Oakland, California 94608
Fuel Leak Case #RO0000082; Cambria Project #522-1000

Dear Mr. Chan:

On behalf of Mr. John Nady, Cambria Environmental Technology, Inc. is submitting the *Groundwater Monitoring Report – Fourth Quarter 2006*. Presented in this report are a summary of the field activities and a presentation of the results from the fourth quarter 2006 groundwater monitoring event. In addition, this report contains recommendations for first quarter 2007 activities.

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

Sincerely,
Cambria Environmental Technology, Inc.

Mark Jonas, P.G.
Senior Project Manager

Attachment: Groundwater Monitoring Report – Fourth Quarter 2006

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

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GROUNDWATER MONITORING REPORT – FOURTH QUARTER 2006

1137-1167 65th Street
Oakland, California 94608
Fuel Leak Case #RO0000082
Cambria Project #522-1000

February 16, 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:

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Written by:

Christina McClelland
Staff Geologist

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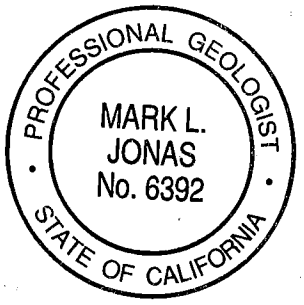
I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Mark Jonas, P.G.
Senior Project Manager



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GROUNDWATER MONITORING REPORT – FOURTH QUARTER 2006

1137-1167 65th Street
Oakland, California 94608
Case No.: RO0000082

February 16, 2007

INTRODUCTION

This report describes the fourth quarter 2006 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 fourth quarter 2006. In addition, this report contains recommendations for first quarter 2007 activities.

MONITORING ACTIVITIES

Cambria coordinated with Muskan Environmental Sampling (MES) to perform quarterly groundwater monitoring activities at the site. On December 20, 2006, MES measured groundwater levels in all thirteen site monitoring wells and collected groundwater samples from eight 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.
- Groundwater samples are not analyzed 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 were analyzed by EPA Method SW8021B. Samples were also analyzed for HVOCs by EPA Method SW8260B, but only reported for the EPA Method 8010 basic target list. Samples marked for TPHd and TPHmo analysis were subjected to silica gel cleanup prior to analysis. The laboratory analytical report is included in Appendix B. Analytical results are summarized on Figures 2, 3, and 4 and presented in Tables 1 and 2.

Waste Disposal: About 45 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.

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RESULTS

Groundwater Flow Direction and Gradient: Depth-to-water measurements collected from thirteen wells on December 20, 2006 ranged from 2.15 to 8.36 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 south and west with gradients of approximately 0.03 and 0.04 feet per foot (ft/ft) (Figure 2). The groundwater flow direction in the B-zone was predominantly southwest with a gradient of approximately 0.033 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: Petroleum hydrocarbons were detected in all five of the A-zone monitoring wells sampled. The highest TPHd concentration was detected in well MW-3A at a concentration of 15,000 micrograms per liter (µg/L). The highest TPHss, and TPHg concentrations were detected in well MW-7A, at 53,000 micrograms per liter (µg/L) and 38,000 µg/L, respectively. The highest TPHmo concentration was detected in well MW-3A at 670 µg/L.

For the five wells sampled, benzene was detected in wells MW-1A and MW-4A at concentrations of 0.52 µg/L and 0.99 µg/L, respectively. Toluene, ethylbenzene, and xylenes were detected in all five of the monitoring wells sampled. Concentrations do not exceed 10 µg/L, except in well MW-7A in which xylenes were detected at a concentration of 150 µg/L.

Groundwater samples from A-zone monitoring wells MW-1A, MW-3A, MW-6A, and MW-7A were analyzed for HVOCs. HVOCs were detected in three of these A-zone groundwater samples. The HVOC detections were as follows:

- Tetrachloroethene (PCE) was detected in well MW-1A at a concentration of 27 µg/L.
- Trichloroethene (TCE) was detected in well MW-1A at a concentration of 15 µg/L.

- cis-1,2-Dichloroethene (cis-1,2-DCE) was detected in well MW-1A at a concentration of 16 µg/L.
- trans-1,2-Dichloroethene (trans-1,2-DCE) was detected in well MW-1A at a concentrations of 1.3 µg/L.
- 1,1-Dichloroethane (1,1-DCA) was detected in well MW-1A at a concentration of 1.7 µg/L.
- Vinyl chloride was detected in well MW-1A at a concentration of 5.2 µg/L.

No other HVOCs were detected in A-zone wells. No HVOCs were detected in samples collected from wells MW-3A, MW-6A or MW-7A. 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 fourth quarter 2006, groundwater samples from B-zone monitoring well MW-6B were analyzed for petroleum hydrocarbons by EPA Methods SW8015C and SW8021B. TPHd, TPHss, and TPHg were detected in this groundwater sample at concentrations of 16,000 µg/L, 77,000 µg/L, and 55,000 µg/L, respectively. TPHmo was not detected above the laboratory reporting limit.

Xylenes were detected in well MW-6B at a concentration of 130 µg/L.

Groundwater samples from B-zone wells MW-1B and MW-6B were analyzed for HVOCs. HVOCs detections in well MW-1B were as follows: cis-1,2-DCE at 9.9 µg/L, 1,1-DCA at 7.7 µg/L, and 1,2-DCA at 7.8 µg/L. HVOCs detections in well MW-6B were as follows: cis-1,2-DCE at 1.2 µg/L and 1,1-DCA at 0.69 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 groundwater samples were analyzed for petroleum hydrocarbons. A C-zone groundwater sample collected from well MW-6C was analyzed for HVOCs. HVOC detections in this sample were as follows:

PCE (4.1 µg/L), TCE (4.6 µg/L), cis-1,2-DCE (36 µg/L), trans-1,2-DCE (0.88 µg/L), 1,1-DCA (0.92 µg/L), and vinyl chloride (13 µg/L) were detected in well MW-6C.

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

Cambria uploaded fourth quarter 2006 groundwater depth data, analytical results, and this report to the State's GeoTracker database on behalf of Mr. John Nady.

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RECOMMENDED FIRST QUARTER 2007 ACTIVITIES

Cambria makes the following recommendations:

- Conduct a quarterly groundwater monitoring event during the first 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 first 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.

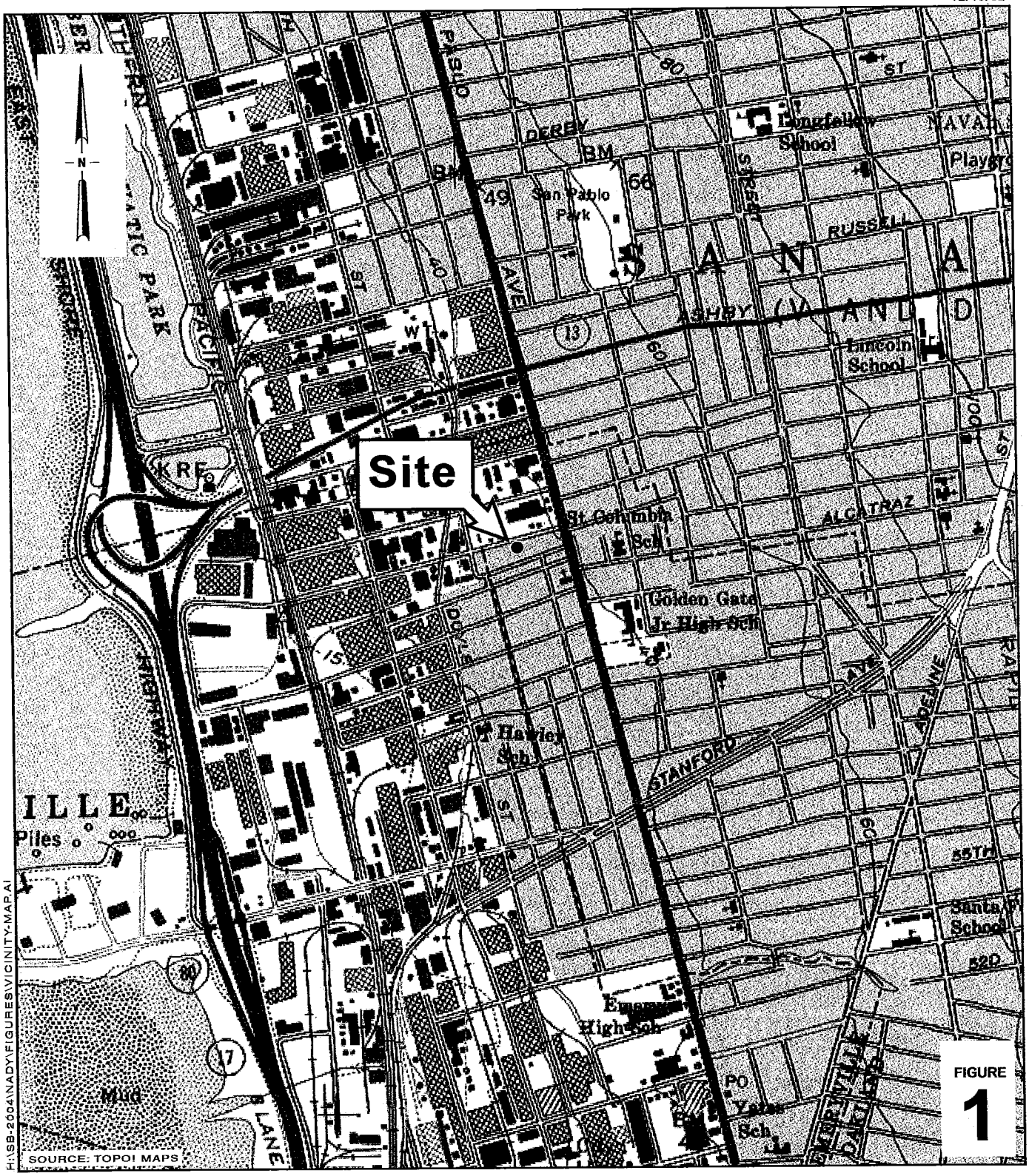
ATTACHMENTS

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 – Groundwater Analytical and Elevation Data: Petroleum Hydrocarbons
Table 2 – Groundwater Analytical and Elevation Data: HVOCs

Appendix A – Field Data Sheets
Appendix B – Laboratory Analytical Report

12/19/02



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

FIGURE 1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Vicinity Map

1137 - 1167 65th Street

Oakland, California

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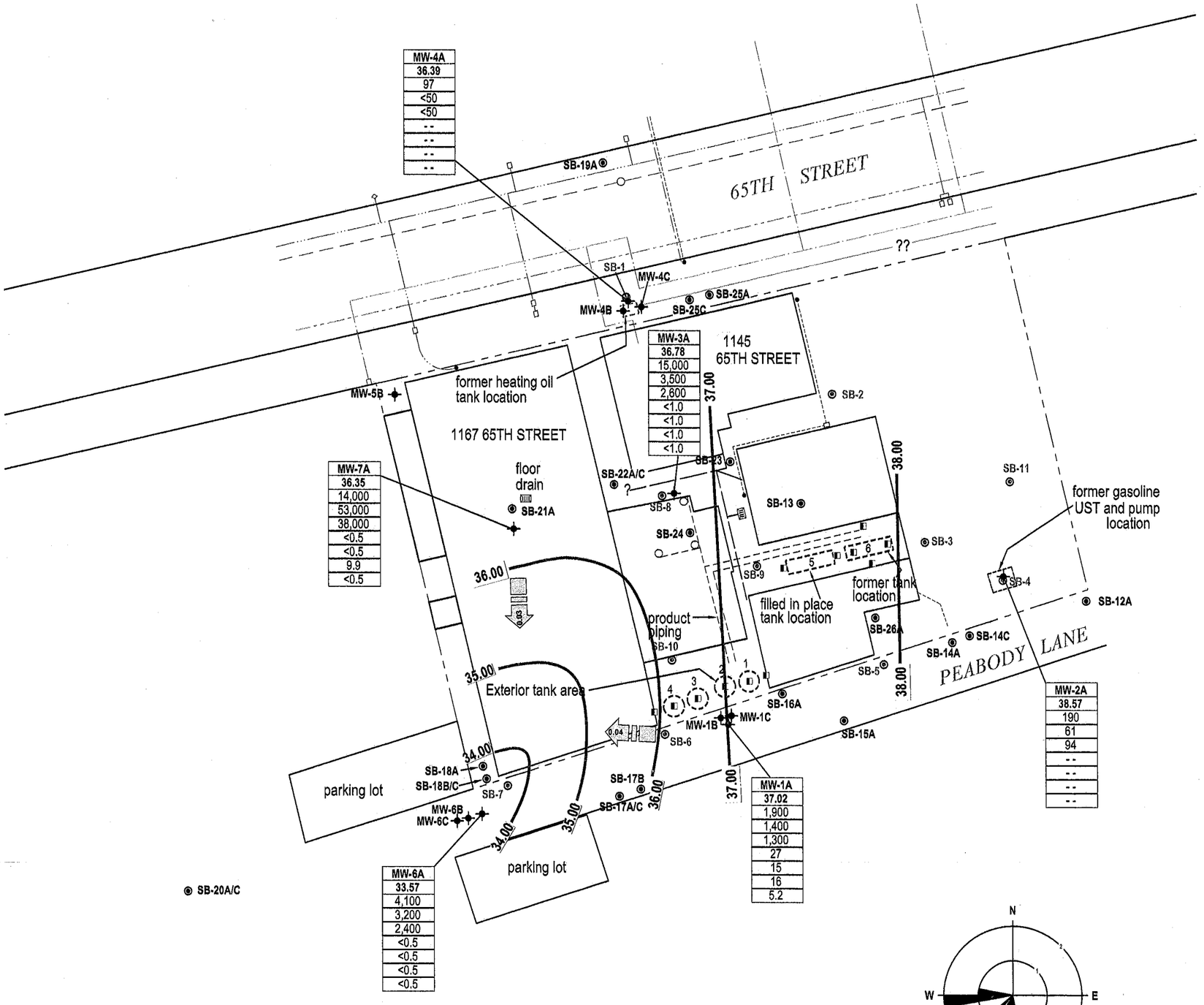
02/06/07

Groundwater Flow and Chemical Concentrations - A Zone

December 20, 2006



EXPLANATION

- MW-1A — Cambria monitoring well location
- SB-12 — Cambria soil boring location
- SB-1 — Cambria 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
- 0.031 — Groundwater flow direction and gradient

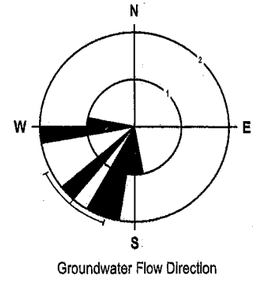
Well ID
ELEV.
TPHd
TPHss
TPHg
PCE
TCE
cis-1,2-DCE
Vinyl Chloride

Monitoring Well Designation

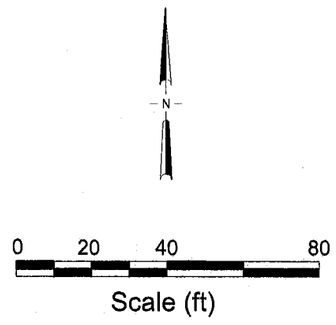
Groundwater elevation in feet above mean sea level (MSL)

Concentrations in groundwater in micrograms per liter

-- Not analyzed



Groundwater Flow Direction



FIGURE

2

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1137 - 1167 65th Street
Oakland, California

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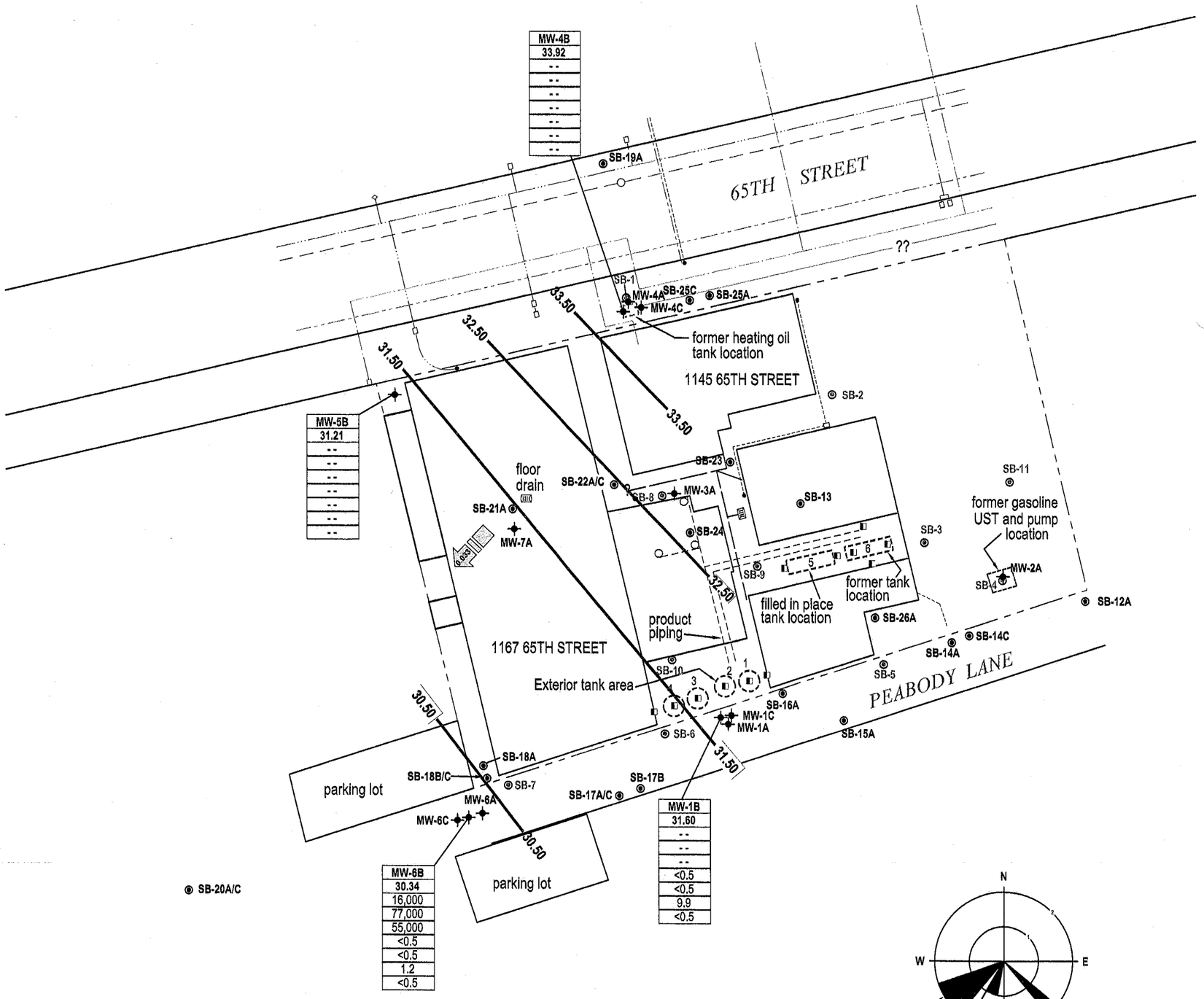
02/06/07

Groundwater Flow and Chemical Concentrations - B Zone

December 20, 2006



EXPLANATION

- MW-1A — Cambria monitoring well location
- SB-12 — Cambria soil boring location
- SB-1 — Cambria 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

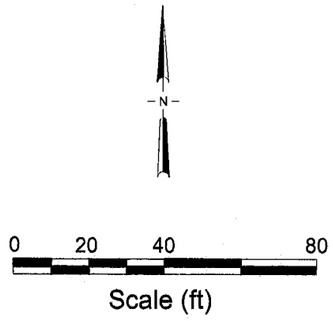
Monitoring Well Designation

Groundwater elevation in feet above mean sea level (MSL)

Concentrations in groundwater in micrograms per liter

-- Not analyzed

Groundwater Flow Direction



FIGURE

3

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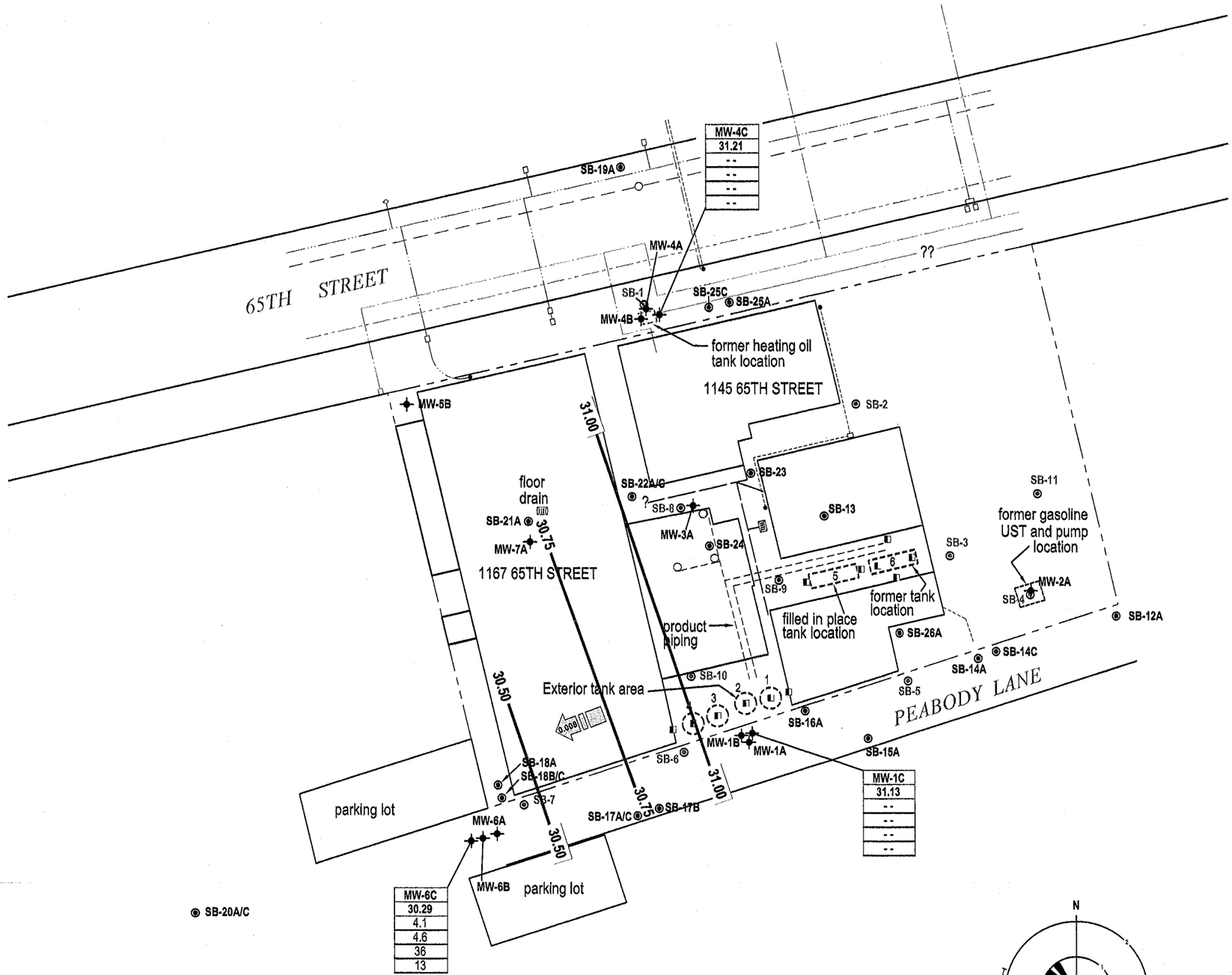
1137 - 1167 65th Street
Oakland, California

02/06/07

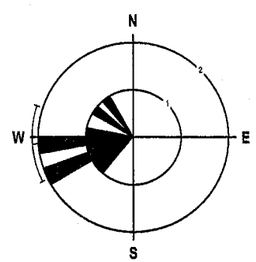
Groundwater Flow and Chemical Concentrations - C Zone

December 20, 2006

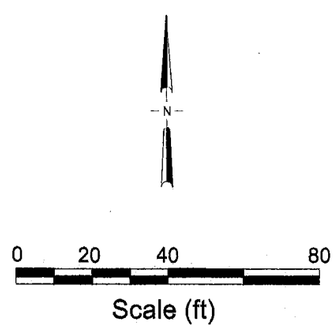


EXPLANATION

- MW-1A — Cambria monitoring well location
- SB-12 — Cambria soil boring location
- SB-1 — Cambria 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

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1137 - 1167 65th Street
Oakland, California

H:\NADY\FIGURES\2006\4QGW-C-06.DWG

Table 1. Groundwater Analytical and Elevation Data: Petroleum Hydrocarbons - 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**
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**
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	--	--	--	--	--	--	--	--	--	
	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

Table 1. Groundwater Analytical and Elevation Data: Petroleum Hydrocarbons - 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				→	
	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**
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**
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
	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**
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

Table 1. Groundwater Analytical and Elevation Data: Petroleum Hydrocarbons - 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 →									
	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
MW-7A	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
(cont.)	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**
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**	--	--	--	--	--	--	--	--	--	
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	--	--	--	--	--	--	--	--	--	
	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**	--	--	--	--	--	--	--	--	--	
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

Table 1. Groundwater Analytical and Elevation Data: Petroleum Hydrocarbons - 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				→	
	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	--	--	--	--	--	--	--	--	--	
MW-5B	6/19/2006	30.97	8.01	--	--	--	--	--	--	--	--	--	
(cont.)	9/20/2006	29.68	9.30	--	--	--	--	--	--	--	--	--	
	12/20/2006	**31.21**	**7.77**	--	--	--	--	--	--	--	--	--	
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**
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	
	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**	--	--	--	--	--	--	--	--	--	
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	--	--	--	--	--	--	--	--	--	

Table 1. Groundwater Analytical and Elevation Data: Petroleum Hydrocarbons - 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	--	--	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**	--	--	--	--	--	--	--	--	--	
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**	--	--	--	--	--	--	--	--	--	

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

n = stoddard solvent/ mineral spirit.

Table 2. Groundwater Analytical and Elevation Data: Halogenated Volatile Organic Compounds - 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
				←				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**	
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**	--	--	--	--	--	--	--	--	--	--	--	
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)**
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	--	--	--	--	--	--	--	--	--	--	--	

Table 2. Groundwater Analytical and Elevation Data: Halogenated Volatile Organic Compounds - 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
				←					µg/L					→	
	6/19/2006	36.15	2.56	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2006	35.10	3.61	--	--	--	--	--	--	--	--	--	--	--	
	12/20/2006	**36.39**	**2.32**	--	--	--	--	--	--	--	--	--	--	--	
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**
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**
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**	
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**	--	--	--	--	--	--	--	--	--	--	--	
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	--	--	--	--	--	--	--	--	--	--	--	

Table 2. Groundwater Analytical and Elevation Data: Halogenated Volatile Organic Compounds - 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
				←					µg/L					→	
	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**	--	--	--	--	--	--	--	--	--	--	--	
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**
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**	--	--	--	--	--	--	--	--	--	--	--	
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**	--	--	--	--	--	--	--	--	--	--	--	
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**	

Table 2. Groundwater Analytical and Elevation Data: Halogenated Volatile Organic Compounds - 1137-1167 65th Street, Oakland, California

Well ID	Date	Groundwater	Depth				(PCE)	(TCE)							
TOC	Sampled	Elevation	to Water	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	Notes
(ft)		(ft amsl)	(ft)	← µg/L →											

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

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: 12/20/2006 **Signature:**

Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-1A	8:00		2.62		14.40	MW-3A sheen
MW-1B	7:50		7.90		19.76	
MW-1C	7:55		8.36		34.55	
MW-2A	8:30		2.15		11.15	
MW-3A	8:40		4.10		13.95	
MW-4A	7:45		2.32		12.65	
MW-4B	7:40		4.62		20.79	
MW-4C	7:35		7.29		32.00	
MW-5B	7:30		7.77		23.07	
MW-6A	8:20		4.41		14.40	
MW-6B	8:15		7.32		22.01	

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL GAUGING SHEET

Client: Cambria Environmental Technology Inc.

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

Date: 12/20/2006 **Signature:**

Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-6C	8:10		7.30		33.81	
MW-7A	9:30		4.23		10.00	

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	12/20/2006
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:	14.40
Depth to Water:	2.62
Water Column Height:	11.78
Gallons/ft:	0.16
1 Casing Volume (gal):	1.88
3 Casing Volumes (gal):	5.65

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

COMMENTS:
very turbid, silty

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
1:15	1.9	16.0	8.64	215
1:20	3.8	17.0	8.70	219
1:25	5.7	17.0	8.67	210

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-1A	12/20/2006	1:30	40 ml VOA, 1 L Amber	HCl, ICE	TPHg/ss TPHd TPHmo BTEX HVOCs	8015 with silica gel clean up, 8020, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	12/20/2006
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:	19.76	**Fe=**	**mg/L**
Depth to Water:	7.90	**ORP=**	**mV**
Water Column Height:	11.86	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	1.90		
3 Casing Volumes (gal):	5.69		

COMMENTS:
very turbid

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
12:50	1.9	17.6	6.62	1678
12:55	3.8	17.9	6.70	1635
1:00	5.7	17.4	6.69	1649

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-1B	12/20/2006	1:05	40 ml VOA	HCl, ICE	HVOCs	8010

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	12/20/2006
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:	11.15
Depth to Water:	2.15
Water Column Height:	9.00
Gallons/ft:	0.65
1 Casing Volume (gal):	5.85
3 Casing Volumes (gal):	17.55

TIME:	**CASING VOLUME (gal)**	**TEMP (Celsius)**	**pH**	**COND. (µS)**
2:05	5.9	16.9	6.92	590
2:10	11.7	17.4	6.99	628
2:15	17.6	17.7	7.00	640

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

COMMENTS:
very turbid, silty

Sample ID:	**Sample Date:**	**Sample Time:**	**Container Type**	**Preservative**	**Analytes**	**Method**
MW-2A	12/20/2006	2:20	40 ml VOA, 1 L Amber	HCl, ICE	TPHg/ss TPHd TPHmo BTEX	8015 with silica gel clean up, 8020

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	12/20/2006
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:	4.10
Water Column Height:	9.85
Gallons/ft:	0.16
1 Casing Volume (gal):	1.58
3 Casing Volumes (gal):	4.73

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

COMMENTS:
very turbid, silty, sheen

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
2:30	1.6	15.9	6.69	315
2:35	3.2	16.4	6.70	322
2:40	4.7	16.7	6.70	328

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-3A	12/20/2006	2:45	40 ml VOA, 1 L Amber	HCl, ICE	TPHg/ss TPHd TPHmo BTEX HVOCs	8015 with silica gel clean up, 8020, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	12/20/2006
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:	2.32
Water Column Height:	10.33
Gallons/ft:	0.16
1 Casing Volume (gal):	1.65
3 Casing Volumes (gal):	4.96

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

COMMENTS:
very turbid

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
1:40	1.7	12.9	11.18	680
1:45	3.3	13.7	11.15	681
1:50	5.0	13.1	11.11	694

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-4A	12/20/2006	1:55	40 ml VOA, 1 L Amber	HCl, ICE	TPHg/ss TPHd TPHmo BTEX	8015 with silica gel clean up, 8020

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	12/20/2006
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:	14.40	**Fe=**	**mg/L**
Depth to Water:	4.41	**ORP=**	**mV**
Water Column Height:	9.99	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	1.60		
3 Casing Volumes (gal):	4.80		

COMMENTS:
very turbid, silty

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
12:20	1.6	17.2	6.58	538
12:25	3.2	17.7	6.51	588
12:30	4.8	17.7	6.58	565

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-6A	12/20/2006	12:35	40 ml VOA, 1 L Amber	HCl, ICE	TPHg/ss TPHd TPHmo BTEX HVOCs	8015 with silica gel clean up, 8020, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	12/20/2006
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:	22.01
Depth to Water:	7.32
Water Column Height:	14.69
Gallons/ft:	0.16
1 Casing Volume (gal):	2.35
3 Casing Volumes (gal):	7.05

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

COMMENTS:
very turbid, silty, sheen after purging three gallons

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
11:50	2.4	17.1	6.81	979
11:55	4.7	17.8	6.81	1019
12:00	7.1	18.1	6.80	1033

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-6B	12/20/2006	12:05	40 ml VOA, 1 L Amber	HCl, ICE	TPHg/ss TPHd TPHmo BTEX HVOCs	8015 with silica gel clean up, 8020, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	12/20/2006
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:	33.81	**Fe=**	**mg/L**
Depth to Water:	7.30	**ORP=**	**mV**
Water Column Height:	26.51	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	4.24	**COMMENTS:**	
3 Casing Volumes (gal):	12.72		

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
11:20	4.2	17.4	6.53	1035
11:25	8.5	17.0	6.57	1065
11:30	12.7	16.6	6.58	1071

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-6C	12/20/2006	11:35	40 ml VOA, 1 L Amber	HCl, ICE	HVOCs	8010

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	12/20/2006
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	**Fe=**	**mg/L**
Depth to Water:	4.23	**ORP=**	**mV**
Water Column Height:	5.77	**DO=**	**mg/L**
Gallons/ft:	0.04		
1 Casing Volume (gal):	0.23		
3 Casing Volumes (gal):	0.69		

COMMENTS:
very turbid, silty

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
9:40	0.2	15.3	6.36	979
9:42	0.5	16.0	6.37	980
9:45	0.7	16.2	6.41	979

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-7A	12/20/2006	9:50	40 ml VOA, 1 L Amber	HCl, ICE	TPHg/ss TPHd TPHmo BTEX HVOCs	8015 with silica gel clean up, 8020, 8010

Signature:

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

Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 12/20/06
		Date Received: 12/20/06
5900 Hollis St, Suite A	Client Contact: Mark Jonas	Date Extracted: 12/24/06-12/29/06
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 12/24/06-12/29/06

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0612469

Lab ID	0612469-001B	0612469-002A	0612469-004B	0612469-006B	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	2	1		
Compound	**Concentration**				µg/kg	µg/L
Bromodichloromethane	ND	ND	ND<1.0	ND	NA	0.5
Bromoform	ND	ND	ND<1.0	ND	NA	0.5
Bromomethane	ND	ND	ND<1.0	ND	NA	0.5
Carbon Tetrachloride	ND	ND	ND<1.0	ND	NA	0.5
Chlorobenzene	ND	ND	31	ND	NA	0.5
Chloroethane	ND	2.5	ND<1.0	12	NA	0.5
2-Chloroethyl Vinyl Ether	ND	ND	ND<2.0	ND	NA	1.0
Chloroform	ND	ND	ND<1.0	ND	NA	0.5
Chloromethane	ND	ND	ND<1.0	ND	NA	0.5
Dibromochloromethane	ND	ND	ND<1.0	ND	NA	0.5
1,2-Dichlorobenzene	ND	ND	ND<1.0	ND	NA	0.5
1,3-Dichlorobenzene	ND	ND	ND<1.0	ND	NA	0.5
1,4-Dichlorobenzene	ND	ND	5.6	ND	NA	0.5
Dichlorodifluoromethane	ND	ND	ND<1.0	ND	NA	0.5
1,1-Dichloroethane	1.7	7.7	ND<1.0	ND	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	7.8	ND<1.0	ND	NA	0.5
1,1-Dichloroethene	ND	ND	ND<1.0	ND	NA	0.5
cis-1,2-Dichloroethene	16	9.9	ND<1.0	ND	NA	0.5
trans-1,2-Dichloroethene	1.3	ND	ND<1.0	ND	NA	0.5
1,2-Dichloropropane	ND	ND	ND<1.0	ND	NA	0.5
cis-1,3-Dichloropropene	ND	ND	ND<1.0	ND	NA	0.5
trans-1,3-Dichloropropene	ND	ND	ND<1.0	ND	NA	0.5
Methylene chloride	ND	ND	ND<1.0	ND	NA	0.5
1,1,2,2-Tetrachloroethane	ND	ND	ND<1.0	ND	NA	0.5
Tetrachloroethene	27	ND	ND<1.0	ND	NA	0.5
1,1,1-Trichloroethane	ND	ND	ND<1.0	ND	NA	0.5
1,1,2-Trichloroethane	ND	ND	ND<1.0	ND	NA	0.5
Trichloroethene	15	ND	ND<1.0	ND	NA	0.5
Trichlorofluoromethane	ND	ND	ND<1.0	ND	NA	0.5
Vinyl Chloride	5.2	ND	ND<1.0	ND	NA	0.5
Surrogate Recoveries (%)						
%SS1:	100	103	102	101		
%SS2:	93	99	93	93		
%SS3:	80	92	85	99		
Comments			h	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

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

Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 12/20/06
		Date Received: 12/20/06
5900 Hollis St, Suite A	Client Contact: Mark Jonas	Date Extracted: 12/24/06-12/29/06
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 12/24/06-12/29/06

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0612469

Lab ID	0612469-007B	0612469-008A	0612469-009B		Reporting Limit for DF =1	
Client ID	MW-6B	MW-6C	MW-7A			
Matrix	W	W	W		S	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	ND		NA	0.5
Chloroethane	2.5	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	0.69	0.92	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	1.2	36	ND		NA	0.5
trans-1,2-Dichloroethene	ND	0.88	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	4.1	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	4.6	ND		NA	0.5
Trichlorofluoromethane	ND	ND	ND		NA	0.5
Vinyl Chloride	ND	13	ND		NA	0.5
Surrogate Recoveries (%)						
%SS1:	101	104	96			
%SS2:	91	99	87			
%SS3:	104	94	86			
Comments	h		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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Telephone: 877-252-9262 Fax: 925-252-9269

Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 12/20/06
		Date Received: 12/20/06
5900 Hollis St, Suite A	Client Contact: Mark Jonas	Date Extracted: 12/23/06-12/28/06
Emeryville, CA 94608	Client P.O.:	Date Analyzed 12/23/06-12/28/06

Gasoline (C6-C12) and Stoddard Solvent Range (C9-C12) as Volatile Hydrocarbons with BTEX*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0612469

Lab ID	Client ID	Matrix	TPH(g)	TPH(ss)	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-1A	W	1300,a,e	1400	0.52	ND	2.9	7.6	1	86
003A	MW-2A	W	94,e,m	61	ND	1.5	ND	ND	1	109
004A	MW-3A	W	2600,e,h	3500	ND<2.5	ND<2.5	ND<2.5	7.6	5	89
005A	MW-4A	W	ND	ND	0.99	2.1	0.52	2.9	1	107
006A	MW-6A	W	2400,e,h	3200	ND<5.0	ND<5.0	ND<5.0	8.1	10	100
007A	MW-6B	W	55,000,e,h	77,000	ND<50	ND<50	ND<50	130	100	94
009A	MW-7A	W	38,000,e,h	53,000	ND<50	ND<50	ND<50	150	100	93

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	50	0.5	0.5	0.5	0.5	1	µg/L
	S	NA	NA	NA	NA	NA	NA	1	mg/Kg

* 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

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

Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 12/20/06
5900 Hollis St, Suite A		Date Received: 12/20/06
Emeryville, CA 94608	Client Contact: Mark Jonas	Date Extracted: 12/20/06
	Client P.O.:	Date Analyzed 12/22/06-12/28/06

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

Extraction method: SW3510C/3630C Analytical methods: SW8015C Work Order: 0612469

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0612469-001C	MW-1A	W	1900,n	ND	1	107
0612469-003B	MW-2A	W	190,g,n	300	1	106
0612469-004C	MW-3A	W	15,000,n,g,h	670	2	83
0612469-005B	MW-4A	W	97,f	ND	1	107
0612469-006C	MW-6A	W	4100,n,h	ND	1	93
0612469-007C	MW-6B	W	16,000,n,g,h	ND<1200	5	---#
0612469-009C	MW-7A	W	14,000,n,h	ND<1200	5	108

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.

DHS ELAP Certification N° 1644

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McCampbell Analytical, Inc.
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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

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0612469

EPA Method SW8260B	Extraction SW5030B				BatchID: 25339			Spiked Sample ID: 0612451-012c			
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	97.8	101	3.18	98.6	100	1.73	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	109	112	2.99	102	103	1.17	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	112	114	1.94	120	115	3.81	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	80.4	82.5	2.58	87.8	87.4	0.447	70 - 130	30	70 - 130	30
%SS1:	110	10	103	103	0	101	100	0.803	70 - 130	30	70 - 130	30
%SS2:	98	10	98	96	1.68	97	96	0.768	70 - 130	30	70 - 130	30
%SS3:	99	10	101	100	0.687	89	90	1.55	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 25339 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0612469-001	12/20/06 1:30 PM	12/27/06	2/27/06 10:27 PM	0612469-002	12/20/06 1:05 PM	12/24/06	12/24/06 6:51 PM
0612469-004	12/20/06 2:45 PM	12/27/06	2/27/06 11:12 PM	0612469-006	2/20/06 12:35 PM	12/27/06	2/27/06 11:57 PM
0612469-007	2/20/06 12:05 PM	12/28/06	2/28/06 12:42 AM	0612469-008	2/20/06 11:35 AM	12/24/06	12/24/06 9:46 PM
0612469-009	12/20/06 9:50 AM	12/29/06	12/29/06 1:46 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.

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

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0612469

EPA Method SW8021B/8015Cm **Extraction SW5030B** **BatchID: 25337** **Spiked Sample ID: 0612451-012A**

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	87.5	113	25.2	106	100	5.38	70 - 130	30	70 - 130	30
MTBE	ND	10	83.3	81.8	1.84	103	103	0	70 - 130	30	70 - 130	30
Benzene	ND	10	93.8	94.6	0.918	100	102	2.02	70 - 130	30	70 - 130	30
Toluene	ND	10	93.8	94.5	0.735	92.4	94.6	2.42	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	97.8	98.2	0.461	98.3	100	1.85	70 - 130	30	70 - 130	30
Xylenes	ND	30	110	110	0	90.7	91	0.367	70 - 130	30	70 - 130	30
%SS:	93	10	91	91	0	103	107	4.16	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 25337 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0612469-001	12/20/06 1:30 PM	12/27/06	2/27/06 11:52 PM	0612469-003	12/20/06 2:20 PM	12/27/06	2/27/06 11:22 PM
0612469-004	12/20/06 2:45 PM	12/28/06	2/28/06 12:21 AM	0612469-005	12/20/06 1:55 PM	12/28/06	12/28/06 1:19 AM
0612469-006	2/20/06 12:35 PM	12/28/06	12/28/06 2:47 AM	0612469-007	2/20/06 12:05 PM	12/23/06	2/23/06 10:01 PM
0612469-009	12/20/06 9:50 AM	12/23/06	2/23/06 10:59 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.

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

DHS ELAP Certification N° 1644

QA/QC Officer

McCampbell Analytical, Inc.
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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

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0612469

EPA Method SW8015C **Extraction SW3510C/3630C** **BatchID: 25247** **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	104	100	3.48	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	97	96	1.12	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 25247 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0612469-001	12/20/06 1:30 PM	12/20/06	12/22/06 7:34 PM	0612469-003	12/20/06 2:20 PM	12/20/06	12/22/06 8:42 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.

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

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0612469

EPA Method SW8015C **Extraction SW3510C/3630C** **BatchID: 25348** **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	99.3	103	4.07	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	107	111	3.19	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 25348 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0612469-004	12/20/06 2:45 PM	12/20/06	12/28/06 6:14 PM	0612469-005	12/20/06 1:55 PM	12/20/06	12/28/06 2:53 AM
0612469-006	2/20/06 12:35 PM	12/20/06	2/23/06 12:04 AM	0612469-007	2/20/06 12:05 PM	12/20/06	12/28/06 3:53 PM
0612469-009	12/20/06 9:50 AM	12/20/06	12/28/06 8:33 AM				

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

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

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

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

DHS ELAP Certification N° 1644

QA/QC Officer

0012469

McCAMPBELL ANALYTICAL, INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

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

EDF Required? (Yes) No

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

Company: Cambria Environmental Technology

5900 Hollis Street

Emeryville, CA 94608 E-Mail: mjonas@cambria-env.com

Tele: 510-420-3307 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 (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED ICE	HCL	HNO_3	Other
MW-1A		12-20-06	1:30	4 2	VOA Amb	X					X	X		
MW-1B			1:05	4	VOA									
MW-2A			2:20	4 2	VOA Amb									
MW-3A			2:45											
MW-4A			1:55											
MW-6A			12:35											
MW-6B			12:05											
MW-6C			11:35	4	VOA									
MW-7A			9:50	4 2	VOA Amb	X					X	X		
TB		X												

Analysis Request	Other	Comment
MTBE / BTEX & TPH as Gas (602 / 8021 + 8015)		
MTBE / BTEX ONLY (EPA 602 / 8021)		
TPH as Diesel / Motor Oil (8015) with 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)		
Fuel Additives (MTBE, ETBE, TAME, DIPE, TBA, 1,2 – DCA, 1,2 – EDB, ethanol) by 8260B		
TPHg/ss / BTEX 8015/8020		Filter Samples f Metals analysis: Yes / No
HVOCs 8010		

Relinquished By:	Date:	Time:	Received By:
	12/20	4:20	
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓
GOOD CONDITION ✓
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB
PRESERVATION ✓
VOAS O&G METALS OTHER

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0612469 **ClientID: CETE**

☑ EDF ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

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

Requested TAT: 5 days

Date Received: **12/20/2006**
Date Printed: **12/21/2006**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0612469-001	MW-1A	Water	12/20/2006	☐	B	A	A	C								
0612469-002	MW-1B	Water	12/20/2006	☐	A											
0612469-003	MW-2A	Water	12/20/2006	☐		A		B								
0612469-004	MW-3A	Water	12/20/2006	☐	B	A		C								
0612469-005	MW-4A	Water	12/20/2006	☐		A		B								
0612469-006	MW-6A	Water	12/20/2006	☐	B	A		C								
0612469-007	MW-6B	Water	12/20/2006	☐	B	A		C								
0612469-008	MW-6C	Water	12/20/2006	☐	A											
0612469-009	MW-7A	Water	12/20/2006	☐	B	A		C								

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: _____

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.