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May 23, 2006

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 2006**
1137-1167 65th Street
Oakland, California
Case No. RO0000082

Dear Mr. Chan:

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

If you have any questions, please call me at (510) 420-3314.

Sincerely,
Cambria Environmental Technology, Inc.

Matthew A. Meyers
Project Geologist

Attachment: *Groundwater Monitoring Report – First Quarter 2006*

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

Cambria Environmental Technology, Inc.

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GROUNDWATER MONITORING REPORT – FIRST QUARTER 2006

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

May 23, 2006

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:

Glenn Reiss
Staff Geologist

Mark Jonas, P.G.
Senior Project Manager

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GROUNDWATER MONITORING REPORT – FIRST QUARTER 2006

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

May 23, 2006

INTRODUCTION

This report describes the first 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 (ACHCSA). This report presents a summary of the monitoring activities and results for the first quarter 2006. In addition, this report contains recommendations for second quarter 2006 activities.

MONITORING ACTIVITIES

Cambria coordinated with Muskan Environmental Sampling (MES) to perform quarterly groundwater monitoring activities at the site. On March 13 and 14, 2006, MES measured groundwater levels in all thirteen site monitoring wells and collected groundwater samples from nine of the thirteen wells. As recommended in the *Groundwater Monitoring Report – Fourth Quarter 2005* and tentatively approved by Mr. Barney Chan of ACHCSA, 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 three or more casing volumes had consecutive pH, specific conductance, and temperature measurements within 10% of the prior measurement. 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. 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 Pacheco, 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, TPHg, TPHmo, and TPHss 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 100 gallons of purge water was stored and sealed in Department of Transportation (DOT) approved 55 gallon drums and left on site pending receipt of analytical results. On April 21, 2006, approximately 100 gallons of purged groundwater from the first quarter 2006 monitoring event was removed and transported for disposal by Evergreen Environmental Services to Evergreen Oil, Inc.'s facility in Newark, California. The Non-Hazardous Waste Manifest for disposal of this quarter's purge water is provided in Appendix C.

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RESULTS

Groundwater Flow Direction and Gradient: Depth-to-water measurements collected from thirteen wells on March 13, 2006 ranged from 0.39 to 7.35 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 on a site plan and contoured on Figures 2, 3, and 4, respectively. The groundwater flow direction in the A-zone was predominantly west with a gradient of approximately 0.024 feet per foot (ft/ft) (Figure 2). The groundwater flow direction in the B-zone was predominantly south-southwest with a gradient of approximately 0.012 ft/ft (Figure 3). The groundwater flow direction in the C-zone was northwest with a gradient of approximately 0.016 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 summarized in Table 1.

Chemicals Detected in A-Zone Groundwater: Petroleum hydrocarbons were detected in all six A-zone monitoring wells. The highest TPHd concentration was detected in well MW-7A, at 31,000 micrograms per liter (µg/L). The highest TPHg, TPHss, and TPHmo concentrations were detected in well MW-3A at 2,200 µg/L, 3,300 µg/L, and 1,600 µg/L, respectively.

For the six wells sampled, benzene was detected only in wells MW-1A and MW-4A, at concentrations of 0.51 µg/L and 0.60 µg/L, respectively. Toluene, ethylbenzene, and xylenes were each detected in at least two monitoring wells, but none of their concentrations exceeded 9.1 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:

- Chloroethane was detected in well MW-6A at a concentration of 1.7 µg/L.
- 1,1,2,2-tetrachloroethane (1,1,2,2-PCA) was detected in well MW-1A at a concentration of 14 µg/L.
- Tetrachloroethene (PCE) was detected in monitoring well MW-1A at a concentration of 30 µg/L.
- Trichloroethene (TCE) was detected in well MW-1A at a concentration of 17 µg/L.

- cis-1,2-dichloroethene (cis-1,2-DCE) was detected in monitoring 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 concentration of 1.4 µg/L.
- 1,1-dichloroethane (1,1-DCA) was detected in well MW-1A at a concentration of 2.0 µg/L.
- Vinyl chloride was detected in well MW-1A at a concentration of 4.0 µg/L.
- Chlorobenzene was detected in well MW-3A at a concentration of 3.7 µg/L.
- 1,4-dichlorobenzene (1,4-DCB) was detected in well MW-3A at a concentration of 7.2 µg/L.

No other HVOCs were detected in A-zone wells. No HVOCs were detected in samples collected from well MW-7A. Groundwater analytical data are presented in Tables 1 and 2, along with water level data on Figure 2.

Chemicals Detected in B-Zone Groundwater: During the first quarter 2006, a groundwater sample from B-zone monitoring well MW-6B was analyzed for petroleum hydrocarbons by EPA Methods SW8015C and SW8021B. TPHg, TPHd, TPHmo, and TPHss were detected in this groundwater sample at concentrations of 6,900 µg/L, 1,400 µg/L, 270 µg/L, and 2,000 µg/L, respectively.

Total xylenes were detected in well MW-6B, at a concentration of 4.7 µg/L. No other BTEX compounds were detected in well MW-6B.

Groundwater samples from B-zone wells MW-1B and MW-6B were analyzed for HVOCs. The HVOC detections in these wells were as follows:

- cis-1,2-DCE (6.1 µg/L), 1,1-DCA (6.8 µg/L), and 1,2-DCA (5.2 µg/L) were detected in well MW-1B.
- Chloroethane (0.73 µg/L) was detected in well MW-6B.

No other HVOCs were detected in B-zone wells. Groundwater analytical data are presented in Tables 1 and 2, along with water level data 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 (3.2 µg/L), TCE (3.9 µg/L), cis-1,2-DCE (26 µg/L), trans-1,2-DCE (0.61 µg/L), 1,1-DCA (0.95 µg/L), and vinyl chloride (5.1 µg/L) were detected in well MW-6C.

No other HVOCs were detected in well MW-6C. Groundwater HVOC analytical data are presented in Table 2 and C-zone data are summarized on Figure 4.

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GEOTRACKER SUBMITTALS

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

RECOMMENDED SECOND QUARTER 2006 ACTIVITIES

Cambria makes the following recommendations:

- Conduct a quarterly groundwater monitoring event during the second quarter 2006. 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, and MW-7A 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 second quarter 2006 event to be submitted to ACHCSA by August 31, 2006.
- Groundwater analytical and well gauging data will be uploaded to GeoTracker in compliance with California State Assembly Bill 592.
- The second quarter 2006 groundwater monitoring report will be submitted via ACHCSA's file transfer protocol (FTP) site and notification will be sent to Mr. Chan by e-mail.

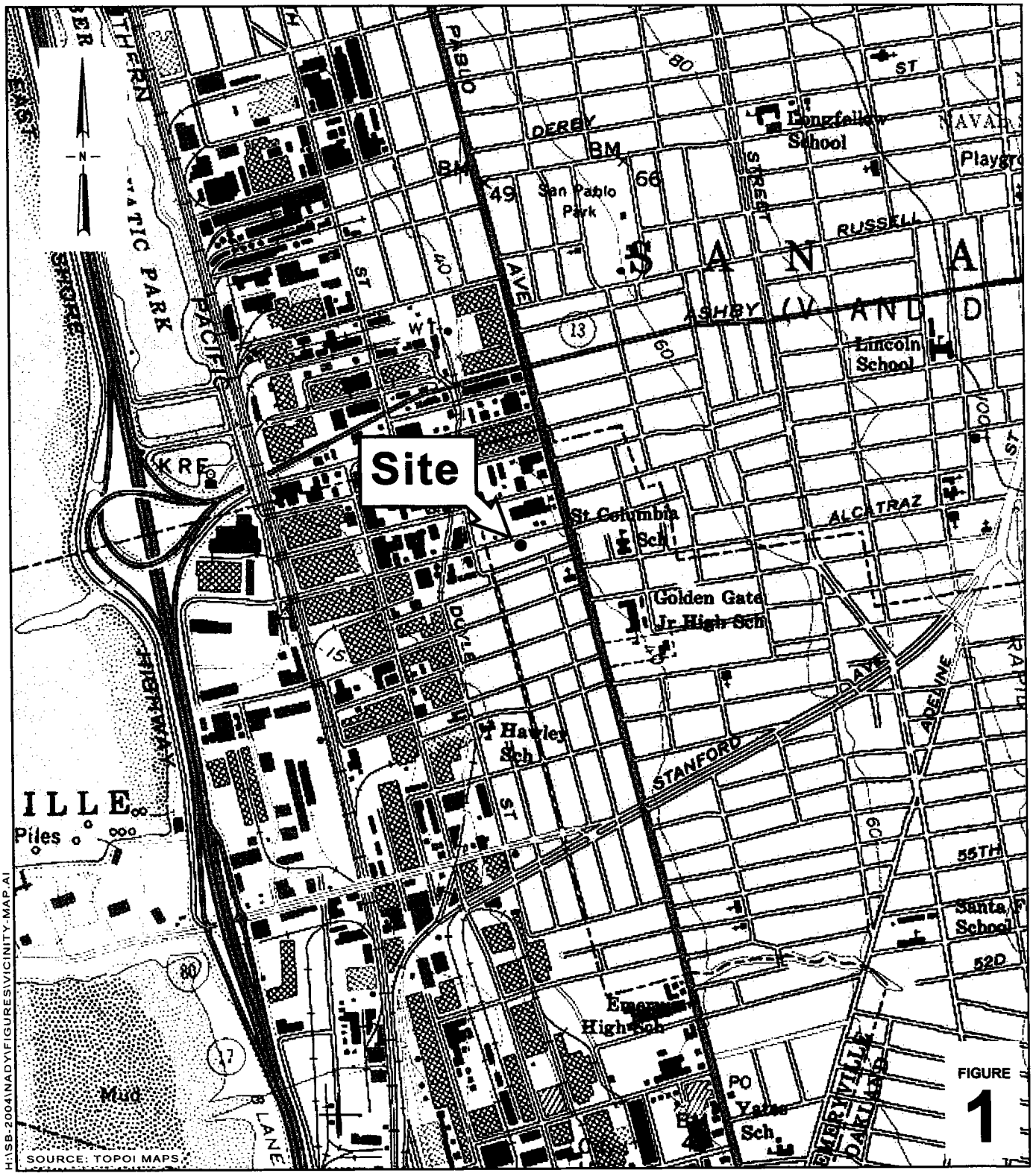
ATTACHMENTS

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
Appendix C – Non-Hazardous Waste Manifest

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

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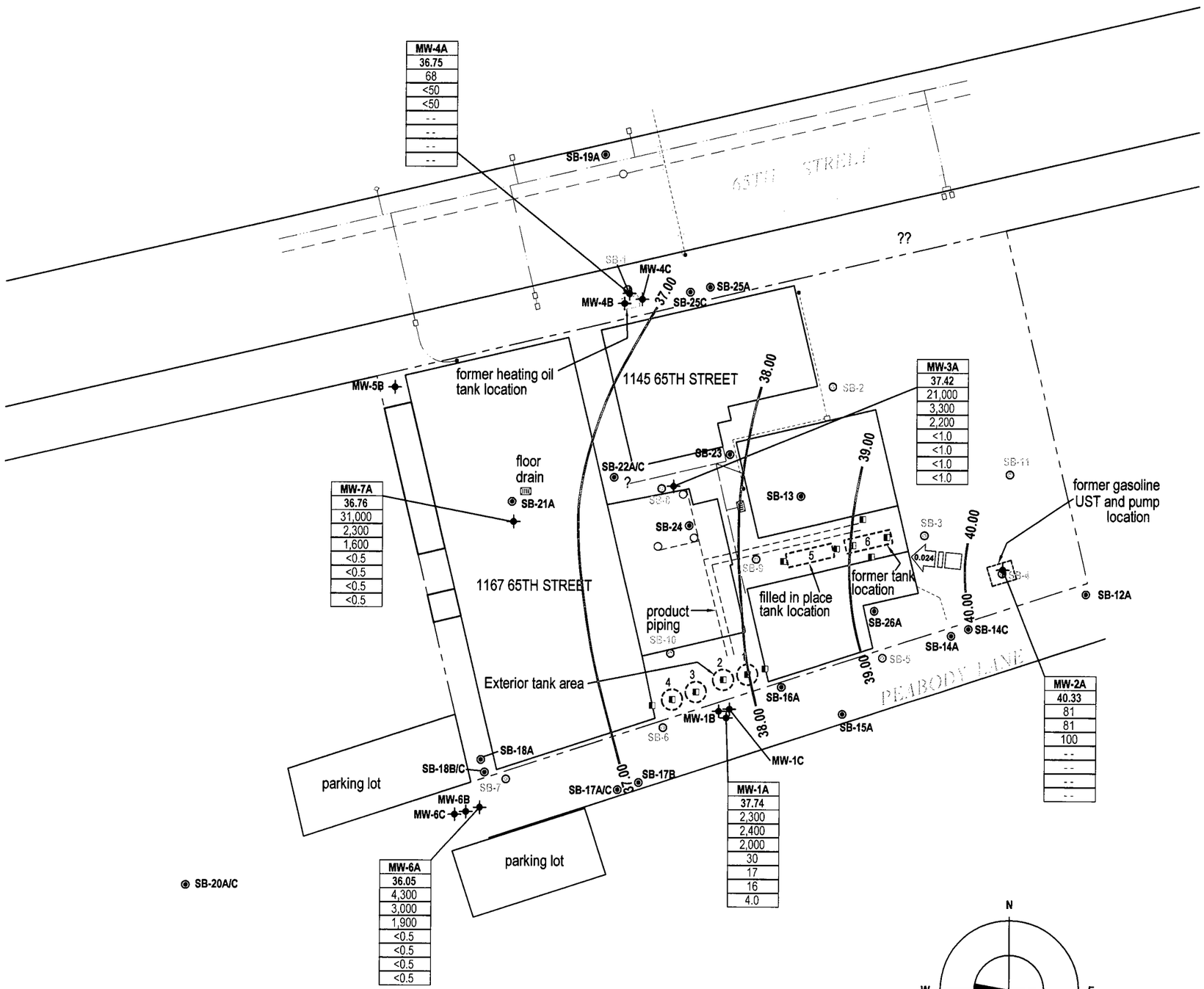
04/05/06

Groundwater Flow and Chemical Concentrations - A Zone

March 13-14, 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
- 40.00 — Groundwater elevation contour line in feet above mean sea level (MSL), dashed where inferred
- 0.024 — Groundwater flow direction and gradient

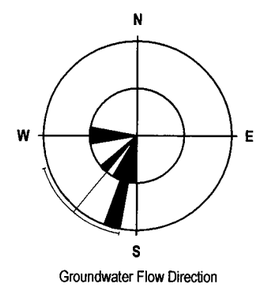
Well ID
ELEV.
TPHd
TPHss
TPHg
PCE
TCE
cis-1,2-DCE
Vinyl Chloride

Monitoring Well Designation

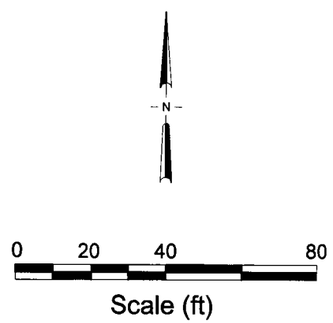
Groundwater elevation in feet above mean sea level (MSL)

Concentrations in groundwater in micrograms per liter

-- Not analyzed



Groundwater Flow Direction



FIGURE

2

1137 - 1167 65th Street
Oakland, California

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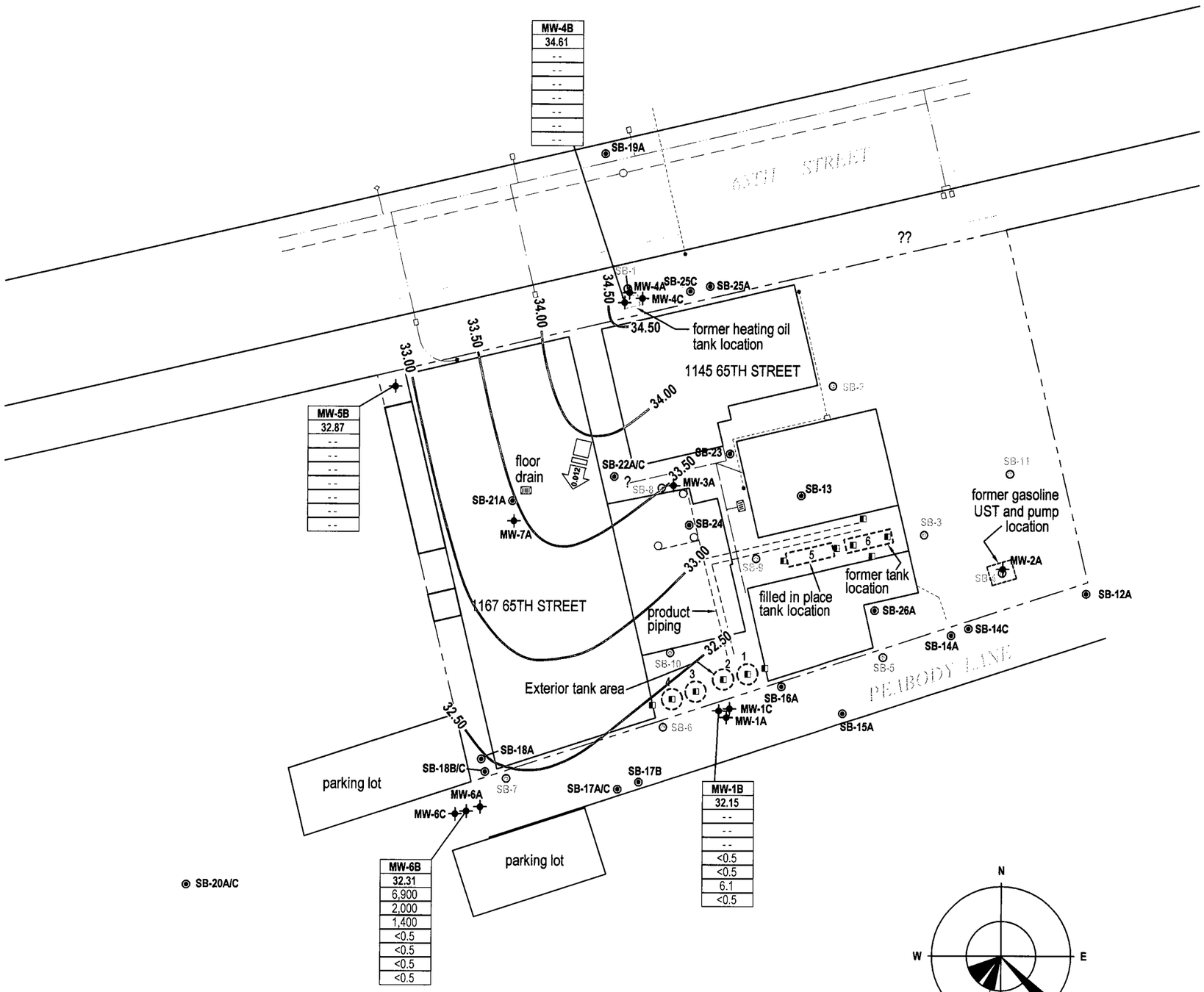
04/05/06

Groundwater Flow and Chemical Concentrations - B Zone

March 13, 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
- 34.50 — Groundwater elevation contour line in feet above mean sea level (MSL)
- 0.012 — Groundwater flow direction and gradient

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

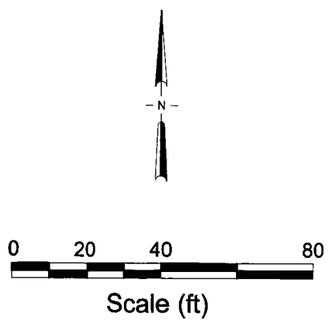
Monitoring Well Designation

Groundwater elevation in feet above mean sea level (MSL)

Concentrations in groundwater in micrograms per liter

-- Not analyzed

Groundwater Flow Direction



FIGURE

3

1137 - 1167 65th Street
Oakland, California

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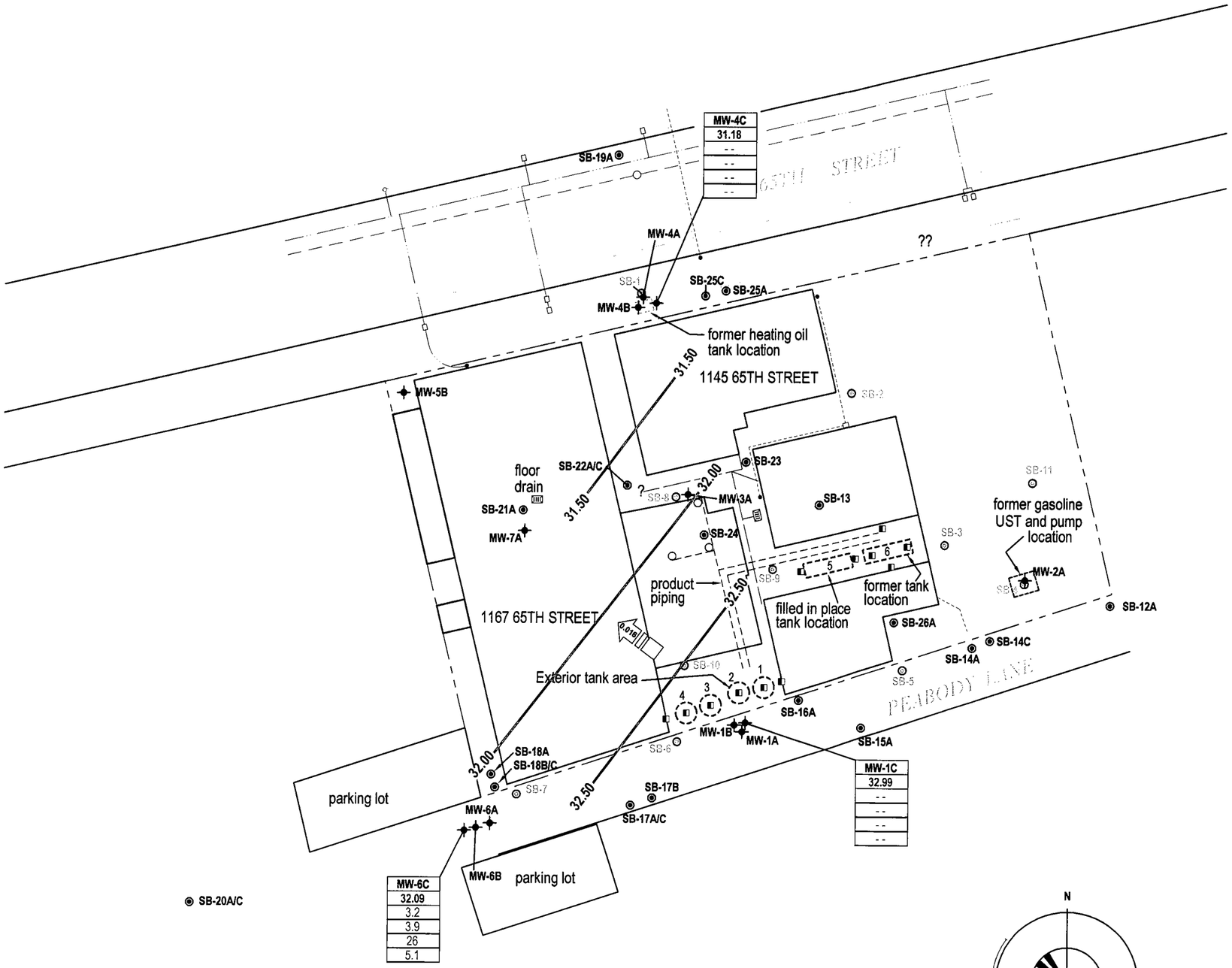
04/05/06

Groundwater Flow and Chemical Concentrations - C Zone

March 13, 2006

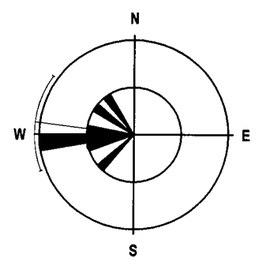


EXPLANATION

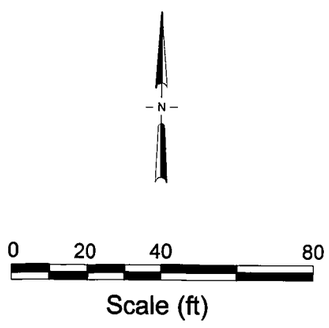
- MW-1A — Cambria Monitoring well location
- SB-12 — Cambria Soil boring location
- SB-1 — Cambria soil boring/temporary well location
- SCI soil sample location
- 1 — Former tank location and tank nomenclature
- Product piping
- Product piping stub-ups
- Electrical line
- Storm drain
- Sanitary sewer line
- Water line
- Gas line
- Communications line
- 31.50 — Groundwater elevation contour line in feet above mean sea level (MSL)
- 0.016 — Groundwater flow direction and gradient

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

- -- Not analyzed



Groundwater Flow Direction



FIGURE

4

1137 - 1167 65th Street
Oakland, California

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Table 1. Groundwater Analytical and Elevation Data: Petroleum Hydrocarbons - 1137-1167 65th Street, Oakland, California

Well ID *TOC* *(ft)*	Date Sampled	Groundwater Elevation (ft amsl)	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**
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**
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
	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**

Table 1. Groundwater Analytical and Elevation Data: Petroleum Hydrocarbons - 1137-1167 65th Street, Oakland, California

Well ID *TOC* *(ft)*	Date Sampled	Groundwater Elevation (ft amsl)	Depth to Water (ft)	TPHd	TPHg	TPHmo	TPHss	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
				← µg/L →									
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**
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**
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**

Table 1. Groundwater Analytical and Elevation Data: Petroleum Hydrocarbons - 1137-1167 65th Street, Oakland, California

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

Table 1. Groundwater Analytical and Elevation Data: Petroleum Hydrocarbons - 1137-1167 65th Street, Oakland, California

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

Table 1. Groundwater Analytical and Elevation Data: Petroleum Hydrocarbons - 1137-1167 65th Street, Oakland, California

Well ID	Date	Groundwater	Depth									
TOC	Sampled	Elevation	to Water	TPHd	TPHg	TPHmo	TPHss	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
(ft)		(ft amsl)	(ft)	←				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**	--	--	--	--	--	--	--	--	--	

Abbreviations:

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

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 SW8260).

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

California MCLs = California Department of Health Services Maximum Contaminant Levels; Drinking water standards established by the Department of Health Services. Title 22, California Code of Regulations, Section 64444, Table 64444-A.

ESL = Environmental Screening Level [*Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater, Volumes 1 and 2. Interim Final. California RWQCB - San Francisco Bay Region.*] February 2005. *Table B for Not A Potential Drinking Water Source and Table E-1a for Evaluation of Potential Vapor Intrusion Concerns.*

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?)

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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	Tetrachloroethene	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**
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	
	6/15/2005	37.91	2.81	--	--	--	--	--	--	--	--	--	--	--	i
	6/16/2005	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	9/19/2005	35.46	5.26	--	--	--	--	--	--	--	--	--	--	--	i
	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	37.66	3.06	--	--	--	--	--	--	--	--	--	--	--	i
	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	
	3/13/2006	**40.33**	**0.39**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**i**
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	
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	a
	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)**

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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	Tetrachloroethene	Trichloroethene	1,2-Dichlorobenzene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethane	1,2-Dichloroethane	Vinyl Chloride	Notes
				← 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**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
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**
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**
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**

CAMBRIA

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	Tetrachloroethene	Trichloroethene	1,2-Dichlorobenzene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethane	1,2-Dichloroethane	Vinyl Chloride	Notes
				←					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**	--	--	--	--	--	--	--	--	--	--	--	
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**	--	--	--	--	--	--	--	--	--	--	--	**i**
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**
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**	--	--	--	--	--	--	--	--	--	--	--	

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

Well ID	Date	Groundwater	Depth												
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					→	
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**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
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**	

Abbreviations:

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

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.

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 Sheet

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL GAUGING SHEET

Client: Cambria Environmental Technology Inc.

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

Date: 3/13/2006 **Signature:**

Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-1A	9:15		1.90		14.35	
MW-1B	9:10		7.35		19.70	
MW-1C	9:05		6.50		34.53	
MW-2A	9:35		0.39		11.15	
MW-3A	9:40		3.46		13.99	
MW-4A	9:00		1.96		12.68	
MW-4B	8:55		3.93		20.80	
MW-4C	8:50		7.32		32.00	
MW-5B	8:45		6.11		23.01	
MW-6A	9:30		1.93		14.43	
MW-6B	9:25		5.35		21.95	

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL GAUGING SHEET

Client: Cambria Environmental Technology Inc.

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

Date: 3/13/2006 **Signature:**

Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-6C	9:20		5.50		33.83	
MW-7A	10:05		3.82		10.00	

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	3/13/2006
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:	14.35
Depth to Water:	1.90
Water Column Height:	12.45
Gallons/ft:	0.16
1 Casing Volume (gal):	1.99
3 Casing Volumes (gal):	5.98

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

COMMENTS:
very turbid

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
1:00	2.0	17.3	9.14	170
1:05	4.0	17.7	9.15	175
1:10	6.0	17.6	9.17	172

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-1A	3/13/2006	1:15	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, TPHd, TPHmo, HVOCs	8015, 8020, 8010

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	3/13/2006
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:	19.70	**Fe=**	**mg/L**
Depth to Water:	7.35	**ORP=**	**mV**
Water Column Height:	12.35	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	1.98		
3 Casing Volumes (gal):	5.93		

COMMENTS:
turbid

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
12:35	2.0	18.7	6.67	951
12:40	4.0	18.5	6.74	933
12:45	5.9	18.6	6.70	916

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-1B	3/13/2006	12:50	Voa	HCl, ICE	HVOCs	8010

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	3/13/2006
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	**Fe=**	**mg/L**
Depth to Water:	0.39	**ORP=**	**mV**
Water Column Height:	10.76	**DO=**	**mg/L**
Gallons/ft:	0.65		
1 Casing Volume (gal):	6.99		
3 Casing Volumes (gal):	20.98		

COMMENTS:
turbid

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
9:20	7.0	17.0	7.75	262
9:25	14.0	17.2	7.70	256
9:30	21.0	16.8	7.66	259

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-2A	3/14/2006	9:35	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, TPHd, TPHmo,	8015, 8020

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	3/13/2006
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:	13.99	**Fe=**	**mg/L**
Depth to Water:	3.46	**ORP=**	**mV**
Water Column Height:	10.53	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	1.68		
3 Casing Volumes (gal):	5.05		

COMMENTS:
very turbid

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
9:45	1.7	17.6	6.51	379
9:50	3.4	17.2	6.58	388
9:55	5.1	17.1	6.61	396

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-3A	3/14/2006	10:00	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, TPHd, TPHmo, HVOCs	8015, 8020, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	3/13/2006
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:	12.68
Depth to Water:	1.96
Water Column Height:	10.72
Gallons/ft:	0.16
1 Casing Volume (gal):	1.72
3 Casing Volumes (gal):	5.15

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

COMMENTS:
turbid

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
8:50	1.7	14.8	11.02	680
9:00	3.4	14.9	11.17	646
9:05	5.1	14.6	11.19	684

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-4A	3/14/2006	9:10	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, TPHd, TPHmo	8015, 8020
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	3/13/2006
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:	14.43	**Fe=**	**mg/L**
Depth to Water:	1.93	**ORP=**	**mV**
Water Column Height:	12.50	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	2.00		
3 Casing Volumes (gal):	6.00		

COMMENTS:
turbid

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
12:05	2.0	18.0	6.85	399
12:10	4.0	17.6	6.81	401
12:15	6.0	17.4	6.84	420

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-6A	3/13/2006	12:20	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, TPHd, TPHmo, HVOCs	8015, 8020, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	3/13/2006
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:	21.95	**Fe=**	**mg/L**
Depth to Water:	5.35	**ORP=**	**mV**
Water Column Height:	16.60	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	2.66		
3 Casing Volumes (gal):	7.97		

COMMENTS:
turbid

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
11:35	2.7	19.1	7.05	641
11:40	5.3	18.8	6.97	696
11:45	8.0	19.1	6.98	700

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-6B	3/13/2006	11:50	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, TPHd, TPHmo, HVOCs	8015, 8020, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	3/13/2006
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:	33.83
Depth to Water:	5.50
Water Column Height:	28.33
Gallons/ft:	0.16
1 Casing Volume (gal):	4.53
3 Casing Volumes (gal):	13.60

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

COMMENTS:

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
11:05	4.5	19.7	7.11	732
11:10	9.1	19.5	7.18	740
11:15	13.6	19.4	7.15	727

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-6C	3/13/2006	11:20	Voa	HCl, ICE	HVOCs	8010

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	3/13/2006
Client:	Cambria Environmental Technology Inc.
Site Address:	1137 - 1167 65th Street Oakland, CA
Well ID:	MW-7A
Well Diameter:	1"
Purging Device:	Tubing and Check Valve
Sampling Method:	Disposable Bailer

Total Well Depth:	10.00	**Fe=**	**mg/L**
Depth to Water:	3.82	**ORP=**	**mV**
Water Column Height:	6.18	**DO=**	**mg/L**
Gallons/ft:	0.04		
1 Casing Volume (gal):	0.25		
3 Casing Volumes (gal):	0.74		

COMMENTS:
very tubid, silty

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
10:25	0.2	17.8	6.95	542
10:30	0.5	17.5	6.89	570
10:35	0.7	17.6	6.86	563

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-7A	3/13/2006	10:40	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, TPHd, TPHmo, HVOCs	8015, 8020, 8010
				Signature:		

Appendix B
Laboratory Analytical Report

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #522-1000; Nady Systems	Date Sampled: 03/13/06
		Date Received: 03/14/06
	Client Contact: Matt Meyers	Date Reported: 03/17/06
	Client P.O.:	Date Completed: 03/17/06

WorkOrder: 0603216

March 17, 2006

Dear Matt:

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

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 03/13/06-03/14/06
5900 Hollis St, Suite A		Date Received: 03/14/06
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 03/15/06-03/16/06
	Client P.O.:	Date Analyzed: 03/15/06-03/16/06

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

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0603216

Lab ID	0603216-001A	0603216-003A	0603216-004A	0603216-005A	Reporting Limit for DF =1	
Client ID	MW-1A	MW-2A	MW-3A	MW-4A		
Matrix	W	W	W	W		
DF	1	1	1	1	S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(g)	2000	100	2200	ND	NA	50
TPH(ss)	2400	81	3300	ND	NA	50
MTBE	---	---	---	---	NA	5.0
Benzene	0.51	ND	ND	0.60	NA	0.5
Toluene	ND	1.5	ND	1.3	NA	0.5
Ethylbenzene	1.9	ND	1.1	ND	NA	0.5
Xylenes	3.5	ND	ND	1.8	NA	0.5
Surrogate Recoveries (%)						
%SS:	100	106	84	102		
Comments	e,m,i	m,i	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.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 03/13/06-03/14/06
5900 Hollis St, Suite A		Date Received: 03/14/06
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 03/15/06-03/16/06
	Client P.O.:	Date Analyzed: 03/15/06-03/16/06

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

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0603216

Lab ID	0603216-006A	0603216-007A	0603216-009A		Reporting Limit for DF =1	
Client ID	MW-6A	MW-6B	MW-7A			
Matrix	W	W	W			
DF	1	1	1		S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(g)	1900	1400	1600		NA	50
TPH(ss)	3000	2000	2300		NA	50
MTBE	---	---	---		NA	5.0
Benzene	ND	ND	ND		NA	0.5
Toluene	ND	ND	ND		NA	0.5
Ethylbenzene	ND	ND	0.93		NA	0.5
Xylenes	4.3	4.7	9.1		NA	0.5
Surrogate Recoveries (%)						
%SS:	90	100	90			
Comments	e,h	e,h	e,h,i			

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and 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.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 03/13/06-03/14/06
5900 Hollis St, Suite A		Date Received: 03/14/06
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 03/14/06
	Client P.O.:	Date Analyzed: 03/14/06-03/15/06

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

Extraction method: SW3510C/3630C Analytical methods: SW8015C Work Order: 0603216

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0603216-001B	MW-1A	W	2300,n,i	ND	1	94
0603216-003B	MW-2A	W	81,n,i	ND	1	89
0603216-004B	MW-3A	W	21,000,n,b,g,h	1600	1	112
0603216-005B	MW-4A	W	68,f,b	ND	1	98
0603216-006B	MW-6A	W	4300,n,b,h	ND	1	116
0603216-007B	MW-6B	W	6900,n,b,h	270	1	104
0603216-009B	MW-7A	W	31,000,n,b,g,h,i	1100	1	116

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; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 03/13/06-03/14/06
		Date Received: 03/14/06
5900 Hollis St, Suite A	Client Contact: Matt Meyers	Date Extracted: 03/15/06
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 03/15/06

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0603216

Lab ID	0603216-001C	0603216-002A	0603216-004C	0603216-006C	Reporting Limit for DF =1	
Client ID	MW-1A	MW-1B	MW-3A	MW-6A		
Matrix	W	W	W	W	S	W
DF	2.5	1	2	1		
Compound	**Concentration**				µg/kg	µg/L
Bromodichloromethane	ND<1.2	ND	ND<1.0	ND	NA	0.5
Bromoform	ND<1.2	ND	ND<1.0	ND	NA	0.5
Bromomethane	ND<1.2	ND	ND<1.0	ND	NA	0.5
Carbon Tetrachloride	ND<1.2	ND	ND<1.0	ND	NA	0.5
Chlorobenzene	ND<1.2	ND	3.7	ND	NA	0.5
Chloroethane	ND<1.2	ND	ND<1.0	1.7	NA	0.5
2-Chloroethyl Vinyl Ether	ND<2.5	ND	ND<2.0	ND	NA	1.0
Chloroform	ND<1.2	ND	ND<1.0	ND	NA	0.5
Chloromethane	ND<1.2	ND	ND<1.0	ND	NA	0.5
Dibromochloromethane	ND<1.2	ND	ND<1.0	ND	NA	0.5
1,2-Dichlorobenzene	ND<1.2	ND	ND<1.0	ND	NA	0.5
1,3-Dichlorobenzene	ND<1.2	ND	ND<1.0	ND	NA	0.5
1,4-Dichlorobenzene	ND<1.2	ND	7.2	ND	NA	0.5
Dichlorodifluoromethane	ND<1.2	ND	ND<1.0	ND	NA	0.5
1,1-Dichloroethane	2.0	6.8	ND<1.0	ND	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<1.2	5.2	ND<1.0	ND	NA	0.5
1,1-Dichloroethene	ND<1.2	ND	ND<1.0	ND	NA	0.5
cis-1,2-Dichloroethene	16	6.1	ND<1.0	ND	NA	0.5
trans-1,2-Dichloroethene	1.4	ND	ND<1.0	ND	NA	0.5
1,2-Dichloropropane	ND<1.2	ND	ND<1.0	ND	NA	0.5
cis-1,3-Dichloropropene	ND<1.2	ND	ND<1.0	ND	NA	0.5
trans-1,3-Dichloropropene	ND<1.2	ND	ND<1.0	ND	NA	0.5
Methylene chloride	ND<1.2	ND	ND<1.0	ND	NA	0.5
1,1,2,2-Tetrachloroethane	14	ND	ND<1.0	ND	NA	0.5
Tetrachloroethene	30	ND	ND<1.0	ND	NA	0.5
1,1,1-Trichloroethane	ND<1.2	ND	ND<1.0	ND	NA	0.5
1,1,2-Trichloroethane	ND<1.2	ND	ND<1.0	ND	NA	0.5
Trichloroethene	17	ND	ND<1.0	ND	NA	0.5
Trichlorofluoromethane	ND<1.2	ND	ND<1.0	ND	NA	0.5
Vinyl Chloride	4.0	ND	ND<1.0	ND	NA	0.5
Surrogate Recoveries (%)						
%SS1:	103	103	102	102		
%SS2:	99	101	99	101		
%SS3:	105	102	104	107		
Comments	i	i	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 Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 03/13/06-03/14/06
		Date Received: 03/14/06
5900 Hollis St, Suite A	Client Contact: Matt Meyers	Date Extracted: 03/15/06
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 03/15/06

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0603216

Lab ID	0603216-007C	0603216-008A	0603216-009C		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	0.73	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	ND	0.95	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	ND	26	ND		NA	0.5
trans-1,2-Dichloroethene	ND	0.61	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	3.2	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	3.9	ND		NA	0.5
Trichlorofluoromethane	ND	ND	ND		NA	0.5
Vinyl Chloride	ND	5.1	ND		NA	0.5
Surrogate Recoveries (%)						
%SS1:	101	103	103			
%SS2:	100	101	98			
%SS3:	114	105	119			
Comments	h		h,i			

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

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

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

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

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0603216

EPA Method: SW8021B/8015Cm **Extraction: SW5030B** **BatchID: 20718** **Spiked Sample ID: 0603210-005A**

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	LCS / LCSD
TPH(btex)£	ND	60	109	108	0.849	107	101	6.45	70 - 130	70 - 130
MTBE	ND	10	88.5	87.9	0.754	102	94.7	7.91	70 - 130	70 - 130
Benzene	ND	10	93	95.9	3.15	99.1	95.7	3.51	70 - 130	70 - 130
Toluene	ND	10	92.3	98.9	6.89	92.4	88.8	3.90	70 - 130	70 - 130
Ethylbenzene	ND	10	98.8	100	1.32	98.8	96.3	2.51	70 - 130	70 - 130
Xylenes	ND	30	100	100	0	95	90.3	5.04	70 - 130	70 - 130
%SS:	99	10	101	102	1.03	97	101	4.01	70 - 130	70 - 130

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

NONE

BATCH 20718 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0603216-001A	3/13/06 1:15 PM	3/15/06	3/15/06 12:10 AM	0603216-003A	3/14/06 9:35 AM	3/16/06	3/16/06 5:58 PM
0603216-004A	3/14/06 10:00 AM	3/15/06	3/15/06 1:09 AM	0603216-004A	3/14/06 10:00 AM	3/15/06	3/15/06 11:33 PM
0603216-005A	3/14/06 9:10 AM	3/16/06	3/16/06 6:28 PM	0603216-006A	3/13/06 12:20 PM	3/16/06	3/16/06 12:32 AM
0603216-007A	3/13/06 11:50 AM	3/16/06	3/16/06 1:02 AM	0603216-009A	3/13/06 10:40 AM	3/15/06	3/15/06 3:07 AM
0603216-009A	3/13/06 10:40 AM	3/16/06	3/16/06 1:31 AM				

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

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

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

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not applicable or 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.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0603216

EPA Method: SW8015C **Extraction: SW3510C/3630C** **BatchID: 20722** **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	LCS / LCSD
TPH(d)	N/A	1000	N/A	N/A	N/A	90.6	94.9	4.59	N/A	70 - 130
%SS:	N/A	2500	N/A	N/A	N/A	99	103	3.73	N/A	70 - 130

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

NONE

BATCH 20722 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0603216-001B	3/13/06 1:15 PM	3/14/06	3/14/06 4:06 PM	0603216-003B	3/14/06 9:35 AM	3/14/06	3/14/06 5:35 PM
0603216-004B	3/14/06 10:00 AM	3/14/06	3/15/06 4:39 PM	0603216-005B	3/14/06 9:10 AM	3/14/06	3/15/06 4:39 PM
0603216-006B	3/13/06 12:20 PM	3/14/06	3/14/06 5:35 PM	0603216-007B	3/13/06 11:50 AM	3/14/06	3/14/06 6:44 PM
0603216-009B	3/13/06 10:40 AM	3/14/06	3/14/06 8:44 PM				

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

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

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

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

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

DHS Certification No. 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0603216

EPA Method: SW8260B	Extraction: SW5030B				BatchID: 20720			Spiked Sample ID: 0603211-005C		
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	LCS / LCSD
Chlorobenzene	ND	10	106	92.8	13.7	84.6	85.8	1.34	70 - 130	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND	10	114	108	6.05	98.8	94.9	4.01	70 - 130	70 - 130
1,1-Dichloroethene	ND	10	96.9	81.2	17.7	80.5	80.3	0.173	70 - 130	70 - 130
Trichloroethene	ND	10	106	93.1	13.2	84.8	86.1	1.58	70 - 130	70 - 130
%SS1:	101	10	107	102	4.25	105	104	0.473	70 - 130	70 - 130
%SS2:	102	10	100	99	0.292	105	106	0.256	70 - 130	70 - 130
%SS3:	102	10	113	107	5.81	106	104	2.02	70 - 130	70 - 130

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

NONE

BATCH 20720 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0603216-001C	3/13/06 1:15 PM	3/15/06	3/15/06 12:13 AM	0603216-002A	3/13/06 12:50 PM	3/15/06	3/15/06 1:00 AM
0603216-004C	3/14/06 10:00 AM	3/15/06	3/15/06 1:46 AM	0603216-006C	3/13/06 12:20 PM	3/15/06	3/15/06 2:30 AM
0603216-007C	3/13/06 11:50 AM	3/15/06	3/15/06 3:18 AM	0603216-008A	3/13/06 11:20 AM	3/15/06	3/15/06 4:04 AM
0603216-009C	3/13/06 10:40 AM	3/15/06	3/15/06 4:51 AM				

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

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

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

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

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

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

DHS Certification No. 1644

QA/QC Officer

0603216

McCAMPBELL ANALYTICAL, INC.

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PACHECO, CA 94553-5560
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CHAIN OF CUSTODY RECORD

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

EDF Required? Yes (5) No

Report To: Matt Meyers Bill To: Cambria Environmental Technology

Company: Cambria Environmental Technology

5900 Hollis St. Ste A

Emeryville, CA 94608 E-Mail: mmeyers@cambriaenv.com

Tele: 510-420-3314 Fax: (510) 420-9170

Project #: 522-1000 Project Name: Nady Systems

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

Sampler Signature: Muskan Environmental Sampling AB

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
+1 MW-1A		3-13-06	1:15	3 2	voa Amb	X					X	X		
+2 MW-1B		3-13-06	12:50	3	voa									
+1 MW-2A		3-14-06	9:35	3 2	voa Amb									
+ MW-3A		3-14-06	10:00	|	|									
+ MW-4A		3-14-06	9:10	|	|									
+ MW-6A		3-13-06	12:20	|	|									
+ MW-6B		3-13-06	11:50	X	X									
+ MW-6C		3-13-06	11:20	3	voa									
+5 MW-7A		3-13-06	10:40	3 2	voa Amb									
✓ TB		3-13-06	—	2	voa	X					X	X		

Analysis Request	Other	Comments
MTBE / BTEX & TPH as Gas (602 / 8021 + 8015)		
MTBE / BTEX ONLY (EPA 602 / 8021)		
TPH as Diesel / Motor Oil (8015) Silica gel cleanup		
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 by 8015 M		
VOCs and fuel additives by 8260		
TPHg / BTEX (8015 / 8020)		
TPHg/ss & BTEX 8015/8020	HVOCs 8010	Filter Samples for Metals analysis: Yes / No
X	X	
	X	
X		
X	X	
X		
X		
X	X	
X	X	
	X	
X	X	
		Hold

Relinquished By:	Date:	Time:	Received By:
	3/14/06	11:03	
Relinquished By:	Date:	Time:	Received By:

ICE/t° ____
GOOD CONDITION ✓ APPROPRIATE
HEAD SPACE ABSENT ✓ CONTAINERS ✓
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____

PRESERVATION	VOAS	O&G	METALS	OTHER
	✓			

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0603216 **ClientID: CETE** **EDF: YES**

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

TEL: (510) 420-0700
FAX: (510) 420-9170
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: 03/14/2006
Date Printed: 03/14/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0603216-001	MW-1A	Water	3/13/06 1:15:00 PM	☐	C	A	A	B								
0603216-002	MW-1B	Water	3/13/06 12:50:00	☐	A											
0603216-003	MW-2A	Water	3/14/06 9:35:00 AM	☐		A		B								
0603216-004	MW-3A	Water	3/14/06 10:00:00	☐	C	A		B								
0603216-005	MW-4A	Water	3/14/06 9:10:00 AM	☐		A		B								
0603216-006	MW-6A	Water	3/13/06 12:20:00	☐	C	A		B								
0603216-007	MW-6B	Water	3/13/06 11:50:00	☐	C	A		B								
0603216-008	MW-6C	Water	3/13/06 11:20:00	☐	A											
0603216-009	MW-7A	Water	3/13/06 10:40:00	☐	C	A		B								

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: Maria Venegas

Comments:

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

Appendix C
Non-Hazardous Waste Manifest

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. EXEMPT

Manifest Document No. NH 5016 | 2. Page 1 of 1

3. Generator's Name and Mailing Address CAMBRIA ENVIRONMENTAL 5900 HOLLIS ST, SUIT A EMERYVILLE CA

4. Generator's Phone 510 420-3314 94608

5. Transporter 1 Company Name: EVERGREEN ENVIRONMENTAL SERVICES | 6. US EPA ID Number: CAD982413262

7. Transporter 2 Company Name | 8. US EPA ID Number

9. Designated Facility Name and Site Address: EVERGREEN OIL, INC. 6880 Smith Avenue Newark, CA 94560 | 10. US EPA ID Number: CAD980887416

A. State Transporter's ID
B. Transporter 1 Phone 510 795-4400
C. State Transporter's ID
D. Transporter 2 Phone
E. State Facility's ID
F. Facility's Phone 510 795-4400

GENERATOR

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Hazardous waste, liquid BILGE WATER	002	DM	100	G
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above: 1E BILGE WATER

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Profile # _____
Do not ingest
Wear protective clothing
In case of emergency call: CHEMTREC 800-424-9300
DOT ERG 171

PO. 522-1000-310
SITE: 1137-1167 65TH ST OAKLAND CA

Invoice:
Sales Order:

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: J. SPEIR FOR CAMBRIA | Signature | Date: Month 4 Day 21 Year 06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: RAMON GARCIA | Signature | Date: Month 4 Day 21 Year 06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name | Signature | Date: Month Day Year

NON-HAZARDOUS WASTE