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November 14, 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 – Third 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 – Third Quarter 2006*. Presented in this report is a summary of the field activities and a presentation of the results from the third quarter 2006 groundwater monitoring event. In addition, this report contains recommendations for fourth quarter 2006 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 – Third 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 – THIRD QUARTER 2006

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

November 14, 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
Senior 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

PROFESSIONAL GEOLOGIST
MARK L. JONAS
No. 6392
STATE OF CALIFORNIA

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GROUNDWATER MONITORING REPORT – THIRD QUARTER 2006

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

November 14, 2006

INTRODUCTION

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

MONITORING ACTIVITIES

Cambria coordinated with Muskan Environmental Sampling (MES) to perform quarterly groundwater monitoring activities at the site. On September 20, 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 at least three casing volumes are extracted and consecutive pH, specific conductance, and temperature measurements are 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 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 was stored and sealed in a Department of Transportation (DOT) approved 55 gallon drum and left on site pending receipt of analytical results. The Non-Hazardous Waste Manifest for disposal of waste water generated this quarter and second quarter 2006 is included in Appendix C.

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RESULTS

Groundwater Flow Direction and Gradient: Depth-to-water measurements collected from thirteen wells on September 20, 2006 ranged from 3.61 to 9.96 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 predominantly south-southwest with a gradient of approximately 0.031 feet per foot (ft/ft) (Figure 2). The groundwater flow direction in the B-zone was predominantly southwest with a gradient of approximately 0.021 ft/ft (Figure 3). The groundwater flow direction in the C-zone was southwest with a gradient of approximately 0.007 ft/ft (Figure 4). The groundwater flow direction and gradient in the A-zone, B-zone, and C-zone are generally consistent with historical results. The A-zone is defined as the first encountered groundwater bearing zone from approximately 5 feet below ground surface (ft bgs) to 15 ft bgs. A-zone monitoring wells are MW-1A, MW-2A, MW-3A, MW-4A, MW-6A, and MW-7A. The B-zone is defined as the second encountered groundwater bearing zone from approximately 16 ft bgs to 22 ft bgs. B-zone monitoring wells are MW-1B, MW-4B, MW-5B, and MW-6B. The C-zone is defined as the third encountered groundwater bearing zone from approximately 28 ft bgs to 40 ft bgs. C-zone monitoring wells are MW-1C, MW-4C, and MW-6C. Rose diagrams depicting historical groundwater flow directions for the A, B, and C-zones are presented on the figures. Depth-to-water and groundwater elevation data are presented in Tables 1 and 2.

Chemicals Detected in A-Zone Groundwater: Petroleum hydrocarbons were detected in all six A-zone monitoring wells. The highest TPHd, TPHss, and TPHg concentrations were detected in well MW-7A, at 36,000 micrograms per liter (µg/L), 69,000 µg/L, and 49,000 µg/L, respectively. The highest TPHmo concentration was detected in well MW-3A at 1,300 µg/L.

For the six wells sampled, benzene was detected only in well MW-4A at concentrations of 1.2 µg/L. Toluene, ethylbenzene, and xylenes were each detected in two monitoring wells (MW-1A, MW-2A, or MW-4A), but none of their concentrations exceeded 10 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 34 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 21 µg/L.

- trans-1,2-Dichloroethene (trans-1,2-DCE) was detected in wells MW-1A and MW-6A at concentrations of 1.6 µg/L.
- 1,1-Dichloroethane (1,1-DCA) was detected in wells MW-1A and MW-6A at concentrations of 2.3 µg/L and 1.9 µg/L, respectively.
- 1,2-Dichloroethane (1,2-DCA) was detected in well MW-6A at a concentration of 0.57 µg/L.
- Vinyl chloride was detected in well MW-1A at a concentration of 5.4 µg/L.
- Chlorobenzene was detected in well MW-3A at a concentration of 31 µg/L.

No other HVOCs were detected in A-zone wells. No HVOCs were detected in samples collected from well 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 third quarter 2006, groundwater samples from B-zone monitoring well MW-6B were analyzed for petroleum hydrocarbons by EPA Methods SW8015C and SW8021B. TPHd, TPHmo, TPHss, and TPHg were detected in this groundwater sample at concentrations of 16,000 µg/L, 740 µg/L, 3,200 µg/L, and 4,200 µg/L, respectively.

No BTEX compounds were detected in well MW-6B.

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 11 µg/L, and 1,2-DCA at 10 µg/L.

No other HVOCs were detected in B-zone wells. No HVOCs were detected in samples collected from well MW-6B. 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 (3.7 µg/L), TCE (4.6 µg/L), cis-1,2-DCE (23 µg/L), trans-1,2-DCE (0.76 µg/L), 1,1-DCA (1.0 µg/L), and vinyl chloride (9.4 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 third 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 FOURTH QUARTER 2006 ACTIVITIES

Cambria makes the following recommendations:

- Conduct a quarterly groundwater monitoring event during the fourth 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, 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 fourth quarter 2006 event to be submitted to ACHCSA by February 28, 2006.
- Groundwater analytical, well gauging data, and groundwater monitoring report will be uploaded to GeoTracker in compliance with California State Assembly Bill 592.
- The fourth 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.

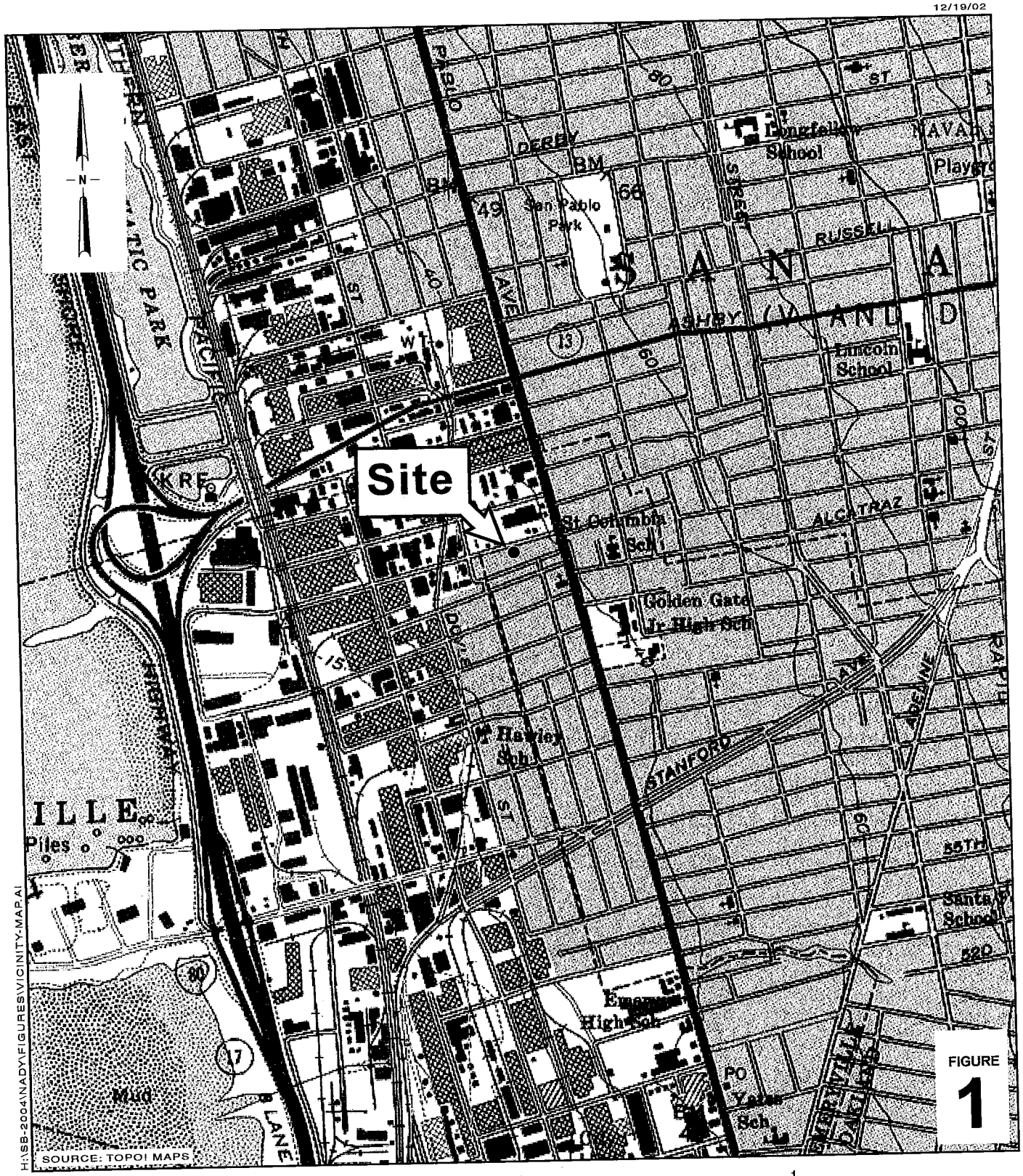
ATTACHMENTS

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



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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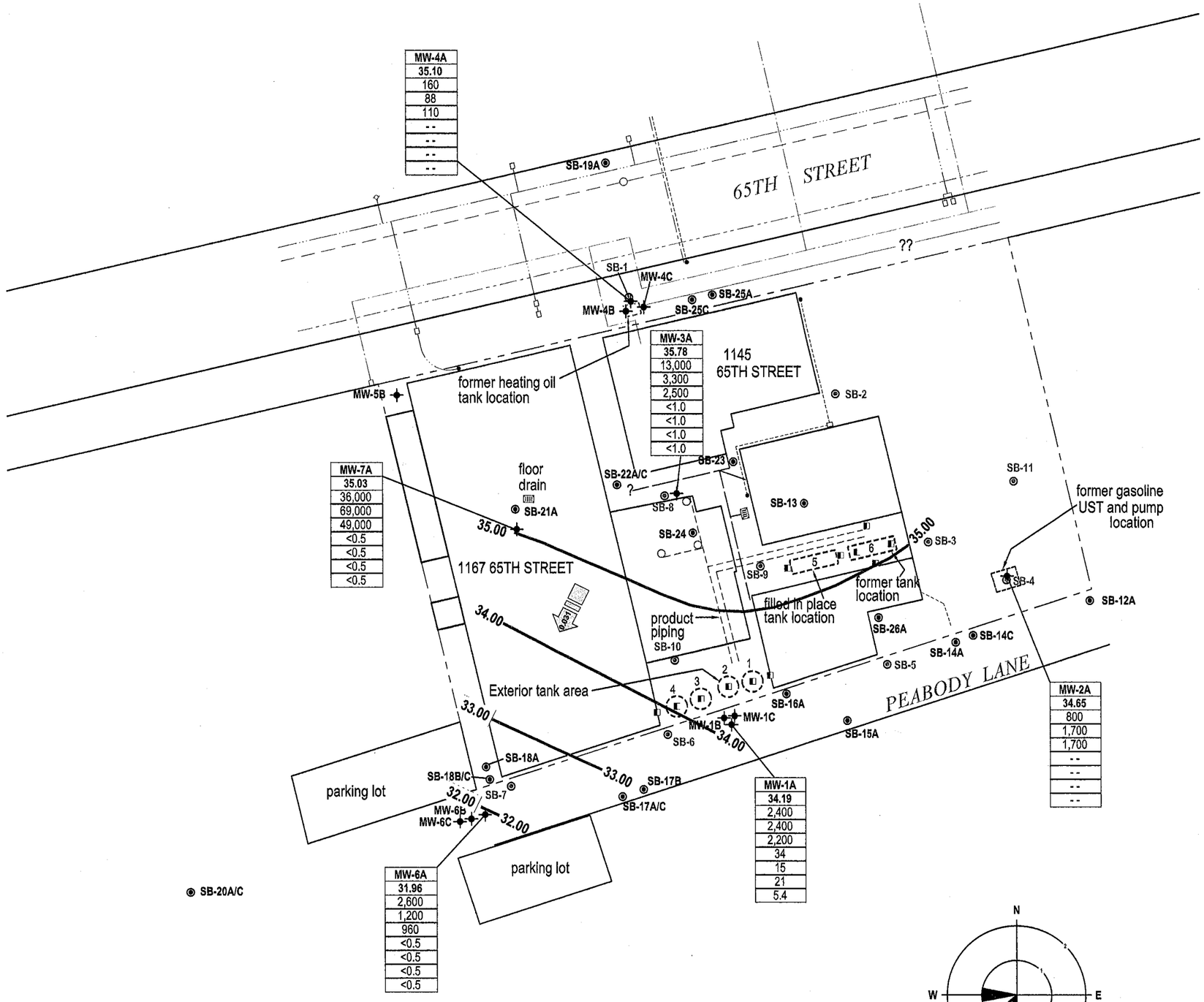
Groundwater Flow and Chemical Concentrations - A Zone

September 20, 2006



EXPLANATION

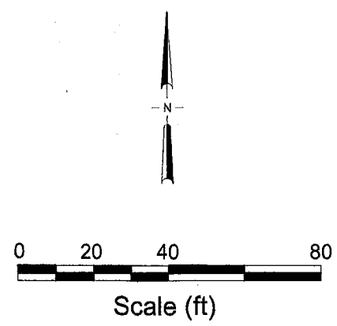
- MW-1A — Cambria monitoring well location
- SB-12 — Cambria soil boring location
- SB-1 — Cambria soil boring/temporary well location
- SCI soil sample location
- 1 — Former tank location and tank nomenclature
- Product piping
- Product piping stub-ups
- Electrical line
- Storm drain
- Sanitary sewer 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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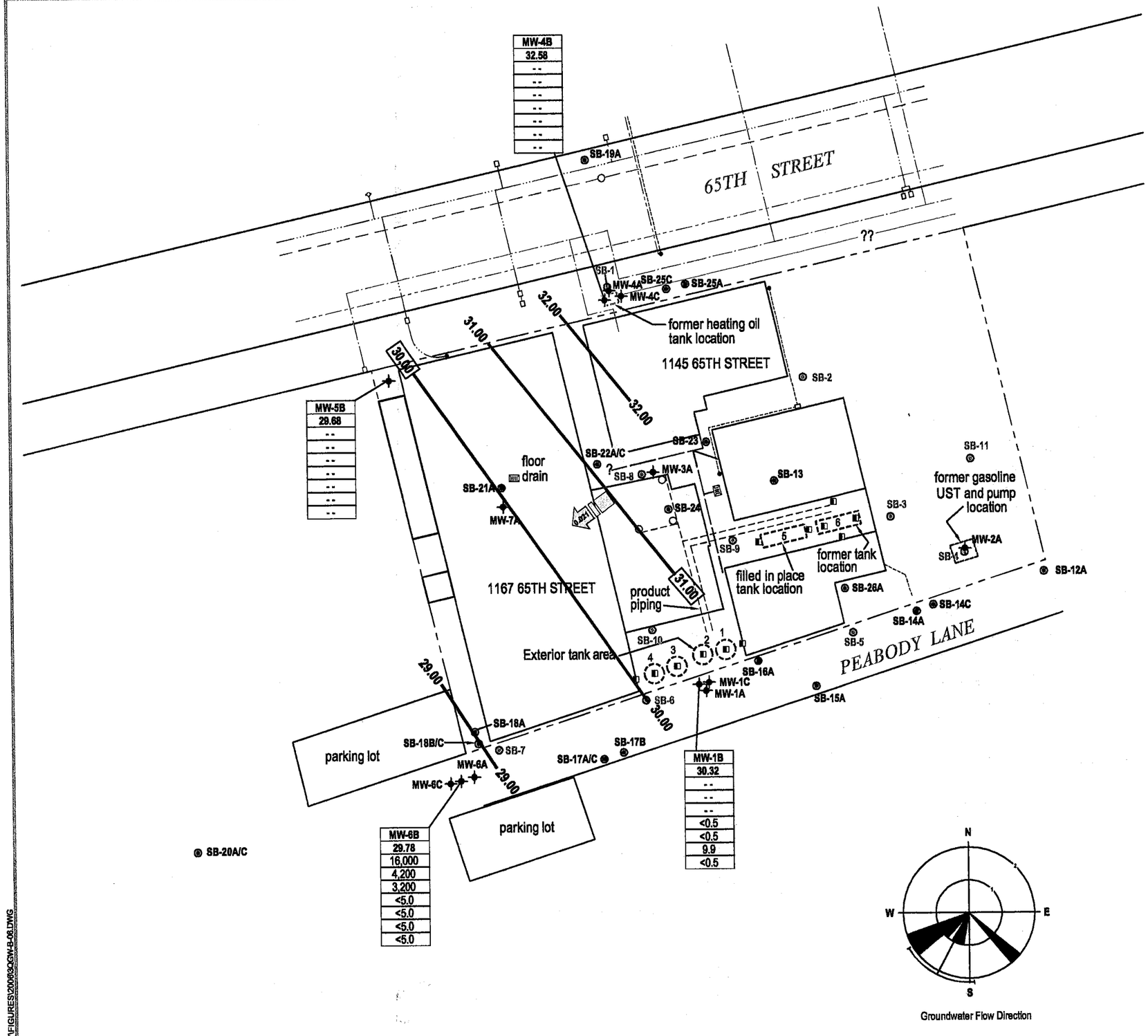
10/31/06

Groundwater Flow and Chemical Concentrations - B Zone

September 20, 2006



EXPLANATION

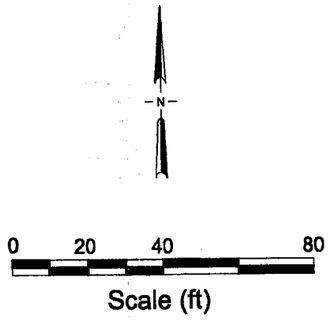
- MW-1A — Cambria monitoring well location
- SB-12 — Cambria soil boring location
- SB-1 — Cambria soil boring/temporary well location
- SCI soil sample location
- 1 — Former tank location and tank nomenclature
- Product piping
- Product piping stub-ups
- Electrical line
- Storm drain
- Sanitary sewer 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

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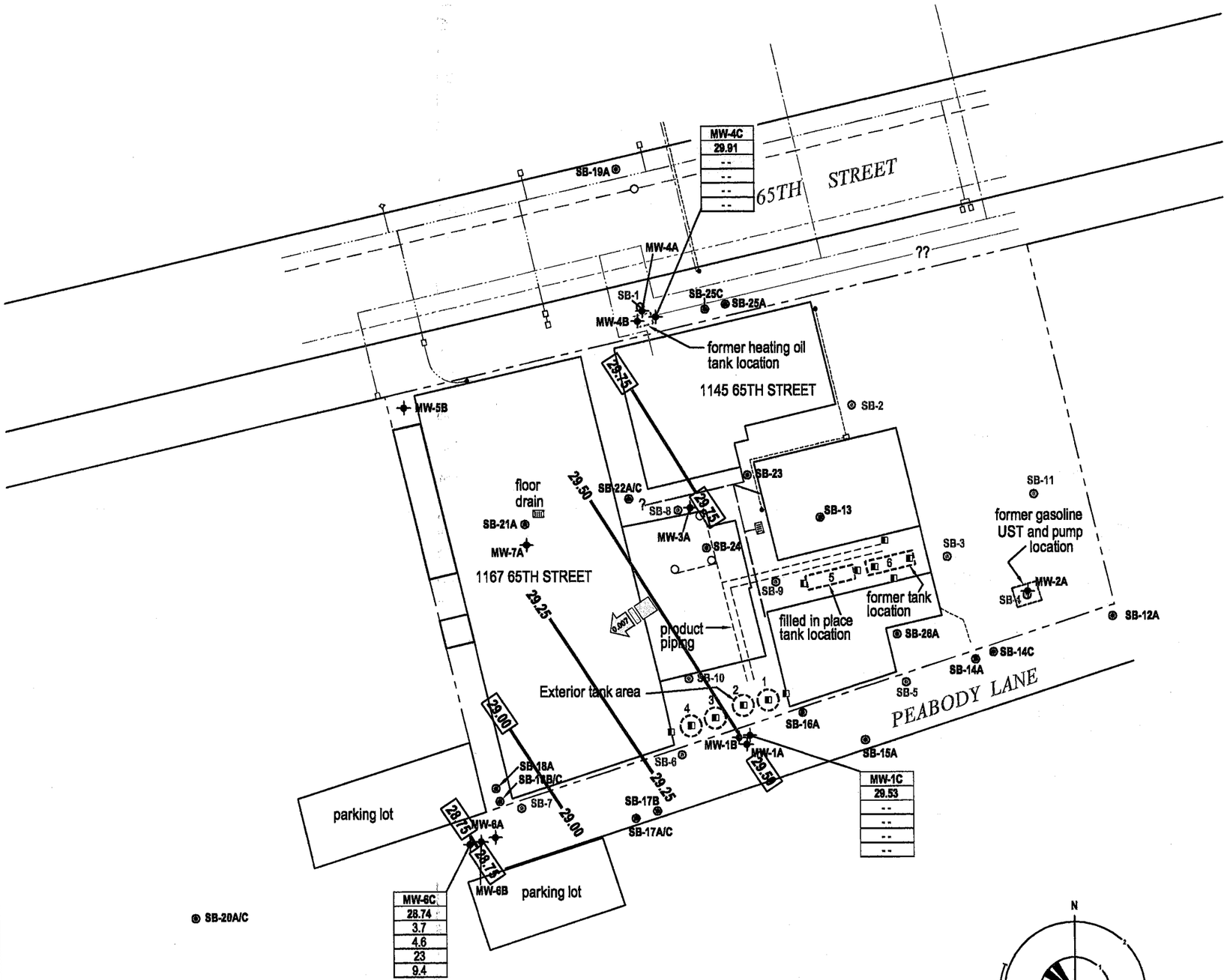
10/31/06

Groundwater Flow and Chemical Concentrations - C Zone

September 20, 2006

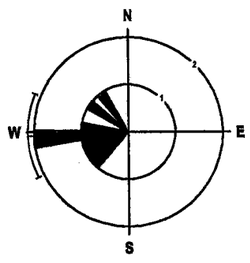


EXPLANATION

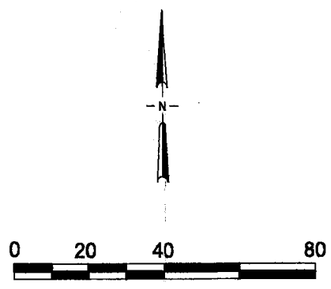
- MW-1A — Cambria monitoring well location
- SB-12 — Cambria soil boring location
- SB-1 — Cambria soil boring/temporary well location
- SCI soil sample location
- 1 — Former tank location and tank nomenclature
- Product piping
- Product piping stub-ups
- Electrical line
- Storm drain
- Sanitary sewer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

Well ID	Monitoring Well Designation
ELEV.	Groundwater elevation in feet above mean sea level (MSL)
PCE	
TCE	Concentrations in groundwater in micrograms per liter
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
	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**
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**

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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-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
	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**
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**

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-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**
MW-7A	6/3/2004	36.08	4.50	--	3,900	--	9,900	ND<5.0	ND<5.0	ND<5.0	6.6	ND<50	
40.58	11/23/2004	--	--	--	--	--	--	--	--	--	--	--	
	3/14/2005	37.03	3.55	14,000	3,900	620	3,700	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	c,d,h
	6/15/2005	36.41	4.17	24,000	2,500	ND<1,200	3,900	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	a,c,d,h,i
	9/19/2005	35.25	5.33	43,000	7,000	ND<5,000	13,000	ND<10	ND<10	ND<10	ND<10	ND<100	a,c,i
	12/12/2005	36.15	4.43	10,000	1,700	ND<1,200	2,500	ND<1.0	ND<1.0	1.4	2.4	ND<10	a,c,d,h,i
	3/13/2006	36.76	3.82	31,000	1,600	1,100	2,300	ND<0.5	ND<0.5	0.93	9.1	--	a,c,d,g,h,i
	6/19/2006	35.78	4.80	36,000	26,000	1,300	44,000	ND<5.0	ND<5.0	10	ND<5.0	--	c,d,g,h,i,m
	9/20/2006	**35.03**	**5.55**	**36,000**	**49,000**	**ND<5,000**	**69,000**	**ND<50**	**ND<50**	**ND<50**	**ND<50**	**--**	**a,c,h,i**
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**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	

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-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**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-5B	6/3/2004	30.16	8.82	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
38.98	11/23/2004	31.32	7.66	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/14/2005	32.71	6.27	--	--	--	--	--	--	--	--	--	
	3/15/2005	--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	6/15/2005	31.20	7.78	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	9/19/2005	28.68	10.30	--	--	--	--	--	--	--	--	--	
	9/20/2005	--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	12/12/2005	30.65	8.33	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	3/13/2006	32.87	6.11	--	--	--	--	--	--	--	--	--	
	6/19/2006	30.97	8.01	--	--	--	--	--	--	--	--	--	
	9/20/2006	**29.68**	**9.30**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	

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
	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**
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**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-4C	6/3/2004	30.10	8.40	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
38.50	11/23/2004	31.31	7.19	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/14/2005	33.15	5.35	--	--	--	--	--	--	--	--	--	
	3/15/2005	--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	6/15/2005	30.85	7.65	--	--	--	--	--	--	--	--	--	
	6/16/2005	--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	9/19/2005	25.97	12.53	--	--	--	--	--	--	--	--	--	
	9/20/2005	--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	12/12/2005	30.00	8.50	--	--	--	--	--	--	--	--	--	
	12/13/2005	--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	3/13/2006	31.18	7.32	--	--	--	--	--	--	--	--	--	
	6/19/2006	30.90	7.60	--	--	--	--	--	--	--	--	--	
	9/20/2006	**29.91**	**8.59**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	

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-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**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	

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 SW8260B).

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

Notes:

a = TPH pattern that does not appear to be derived from gasoline (stoddard solvent/mineral spirit?).

b = No recognizable pattern.

c = Stoddard solvent/mineral spirit.

d = Diesel range compounds are significant; no recognizable pattern.

e = Gasoline range compounds are significant.

f = One to a few isolated peaks present

g = Oil range compounds are significant.

h = Lighter than water immiscible sheen/product is present.

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

j = Unmodified or weakly modified gasoline is significant

k = TPHg range non-target isolated peaks subtracted out of the TPHg concentration

l = Heavier gasoline compounds are significant (aged gasoline?)

m = Strongly aged gasoline or diesel range compounds are significant

Table 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
	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**
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**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
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)**

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	--	--	--	--	--	--	--	--	--	--	--	
	6/19/2006	36.15	2.56	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2006	**35.10**	**3.61**	--	--	--	--	--	--	--	--	--	--	--	
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
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

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-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
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**	--	--	--	--	--	--	--	--	--	--	--	
MW-5B	6/3/2004	30.16	8.82	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
38.98	11/23/2004	31.32	7.66	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	3/14/2005	32.71	6.27	--	--	--	--	--	--	--	--	--	--	--	
	3/15/2005	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	6/15/2005	31.20	7.78	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	9/19/2005	28.68	10.30	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2005	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
	12/12/2005	30.65	8.33	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i
	3/13/2006	32.87	6.11	--	--	--	--	--	--	--	--	--	--	--	
	6/19/2006	30.97	8.01	--	--	--	--	--	--	--	--	--	--	--	
	9/20/2006	**29.68**	**9.30**	--	--	--	--	--	--	--	--	--	--	--	

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-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**
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**	--	--	--	--	--	--	--	--	--	--	--	
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**	--	--	--	--	--	--	--	--	--	--	--	
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

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 →											

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 Sheets

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL GAUGING SHEET

Client: Cambria Environmental Technology Inc.

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

Date: 9/20/2006 **Signature:**

Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-1A	11:50		5.45		14.40	
MW-1B	11:35		9.18		19.75	
MW-1C	11:10		9.96		34.54	
MW-2A	11:45		6.07		11.15	
MW-3A	12:00		5.10		13.95	
MW-4A	11:40		3.61		12.66	
MW-4B	11:25		5.96		20.77	
MW-4C	11:05		8.59		32.00	
MW-5B	11:20		9.30		23.05	
MW-6A	11:55		6.02		14.40	
MW-6B	11:30		8.88		22.00	

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL GAUGING SHEET

Client: Cambria Environmental Technology Inc.

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

Date: 9/20/2006 **Signature:**

Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-6C	11:15		8.85		33.80	
MW-7A	9:10		5.55		10.00	

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	9/20/2006
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	**Fe=**	**mg/L**
Depth to Water:	5.45	**ORP=**	**mV**
Water Column Height:	8.95	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	1.43		
3 Casing Volumes (gal):	4.30		

COMMENTS:
very turbid

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
1:55	1.4	18.5	7.58	168
1:57	2.9	18.7	7.53	158
2:00	4.3	18.9	7.56	163

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-1A	9/20/2006	2:05	40 ml VOA, 1 L amber	HCl, ICE	TPHg/ss, TPHd, TPHmo, BTEX, HVOCs	8015 with silica gel clean up, 8021, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	9/20/2006
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:	19.75	**Fe=**	**mg/L**
Depth to Water:	9.18	**ORP=**	**mV**
Water Column Height:	10.57	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	1.69	**COMMENTS:**	
3 Casing Volumes (gal):	5.07	very turbid	

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
1:35	1.7	19.1	6.39	721
1:37	3.4	18.7	6.35	729
1:40	5.1	18.8	6.38	740

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-1B	9/20/2006	1:45	40 ml VOA	HCl, ICE	HVOCs	8010

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	9/20/2006
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:	6.07
Water Column Height:	5.08
Gallons/ft:	0.65
1 Casing Volume (gal):	3.30
3 Casing Volumes (gal):	9.91

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

COMMENTS:
very turbid, silty

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
2:35	3.3	20.1	8.99	295
2:37	6.6	20.8	8.91	297
2:40	9.9	20.9	8.96	291

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-2A	9/20/2006	2:45	40 ml VOA, 1 L amber	HCl, ICE	TPHg/ss, TPHd, TPHmo, BTEX	8015 with silica gel clean up, 8021
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	9/20/2006
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	**Fe=**	**mg/L**
Depth to Water:	5.10	**ORP=**	**mV**
Water Column Height:	8.85	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	1.42		
3 Casing Volumes (gal):	4.25		

COMMENTS:
very turbid, sheen

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
2:55	1.4	18.9	6.47	310
2:57	2.8	18.8	6.50	322
3:00	4.2	18.8	6.54	313

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-3A	9/20/2006	3:05	40 ml VOA, 1 L amber	HCl, ICE	TPHg/ss, TPHd, TPHmo, BTEX, HVOCs	8015 with silica gel clean up, 8021, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	9/20/2006
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:	12.66	**Fe=**	**mg/L**
Depth to Water:	3.61	**ORP=**	**mV**
Water Column Height:	9.05	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	1.45		
3 Casing Volumes (gal):	4.34		

COMMENTS:
very turbid

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
2:15	1.4	20.9	9.39	335
2:17	2.9	20.6	9.46	331
2:20	4.3	20.3	9.47	338

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-4A	9/20/2006	2:25	40 ml VOA, 1 L amber	HCl, ICE	TPHg/ss, TPHd, TPHmo, BTEX	8015 with silica gel clean up, 8021
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	9/20/2006
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:	6.02	**ORP=**	**mV**
Water Column Height:	8.38	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	1.34		
3 Casing Volumes (gal):	4.02		

COMMENTS:
very turbid

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
1:15	1.3	18.7	7.05	394
1:17	2.7	18.3	6.98	401
1:20	4.0	18.5	6.97	408

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-6A	9/20/2006	1:25	40 ml VOA, 1 L amber	HCl, ICE	TPHg/ss, TPHd, TPHmo, BTEX, HVOCs	8015 with silica gel clean up, 8021, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	9/20/2006
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:	22.00
Depth to Water:	8.88
Water Column Height:	13.12
Gallons/ft:	0.16
1 Casing Volume (gal):	2.10
3 Casing Volumes (gal):	6.30

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

COMMENTS:
very turbid

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
12:55	2.1	118.5	6.97	504
12:58	4.2	18.3	6.91	521
1:02	6.3	18.5	6.96	519

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-6B	9/20/2006	1:05	40 ml VOA, 1 L amber	HCl, ICE	TPHg/ss, TPHd, TPHmo, BTEX, HVOCs	8015 with silica gel clean up, 8021, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	9/20/2006
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:	33.80
Depth to Water:	8.85
Water Column Height:	24.95
Gallons/ft:	0.16
1 Casing Volume (gal):	3.99
3 Casing Volumes (gal):	11.98

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

COMMENTS:

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
12:30	4.0	19.1	7.01	527
12:35	8.0	18.8	7.09	524
12:40	12.0	18.7	7.00	540

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-6C	9/20/2006	12:45	40 ml VOA	HCl, ICE	HVOCs	8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	9/20/2006
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:	Check Valve Tubing

Total Well Depth:	10.00	**Fe=**	**mg/L**
Depth to Water:	5.55	**ORP=**	**mV**
Water Column Height:	4.45	**DO=**	**mg/L**
Gallons/ft:	0.04		
1 Casing Volume (gal):	0.18		
3 Casing Volumes (gal):	0.53		

COMMENTS:
very turbid, odor, silty

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
9:25	0.2	17.9	6.51	513
9:27	0.4	17.5	6.58	497
9:30	0.5	17.5	6.60	509

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-7A	9/20/2006	9:35	40 ml VOA, 1 L amber	HCl, ICE	TPHg/ss, TPHd, TPHmo, BTEX, HVOCs	8015 with silica gel clean up, 8021, 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 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #522-1000; Nady Systems	Date Sampled: 09/20/06
		Date Received: 09/20/06
	Client Contact: Mark Jonas	Date Reported: 09/27/06
	Client P.O.:	Date Completed: 09/27/06

WorkOrder: 0609411

September 27, 2006

Dear Mark:

Enclosed are:

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

2). a QC report for the above samples

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

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

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: 09/20/06
5900 Hollis St, Suite A		Date Received: 09/20/06
Emeryville, CA 94608	Client Contact: Mark Jonas	Date Extracted 09/21/06-09/22/06
	Client P.O.:	Date Analyzed: 09/21/06-09/22/06

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

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0609411

Lab ID	0609411-001A	0609411-003A	0609411-004A	0609411-005A	Reporting Limit for DF =1	
Client ID	MW-1A	MW-2A	MW-3A	MW-4A		
Matrix	W	W	W	W		
DF	5	5	10	1	S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(g)	2200	1700	2500	110	NA	50
TPH(ss)	2400	1700	3300	88	NA	50
MTBE	---	---	---	---	NA	5.0
Benzene	ND<2.5	ND<2.5	ND<5.0	1.2	NA	0.5
Toluene	ND<2.5	5.5	ND<5.0	2.5	NA	0.5
Ethylbenzene	3.0	ND<2.5	ND<5.0	0.61	NA	0.5
Xylenes	9.7	ND<2.5	ND<5.0	3.9	NA	0.5
Surrogate Recoveries (%)						
%SS:	119	107	93	96		
Comments	e,m,i	e,m,i	e,h,i	e,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; 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: 09/20/06
5900 Hollis St, Suite A		Date Received: 09/20/06
Emeryville, CA 94608	Client Contact: Mark Jonas	Date Extracted 09/21/06-09/22/06
	Client P.O.:	Date Analyzed: 09/21/06-09/22/06

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

Extraction Method: SW5030B Analytical Method: SW8021B/8015Cm Work Order: 0609411

Lab ID	0609411-006A	0609411-007A	0609411-009A		Reporting Limit for DF =1	
Client ID	MW-6A	MW-6B	MW-7A			
Matrix	W	W	W			
DF	5	10	100		S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(g)	960	3200	49,000		NA	50
TPH(ss)	1200	4200	69,000		NA	50
MTBE	---	---	---		NA	5.0
Benzene	ND<2.5	ND<5.0	ND<50		NA	0.5
Toluene	ND<2.5	ND<5.0	ND<50		NA	0.5
Ethylbenzene	ND<2.5	ND<5.0	ND<50		NA	0.5
Xylenes	ND<2.5	ND<5.0	ND<50		NA	0.5
Surrogate Recoveries (%)						
%SS:	94	92	88			
Comments	e,i	e,h,i	e,h,i			

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

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

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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: 09/20/06
5900 Hollis St, Suite A		Date Received: 09/20/06
	Client Contact: Mark Jonas	Date Extracted 09/26/06-09/27/06
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 09/26/06-09/27/06

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0609411

Lab ID	0609411-001B	0609411-002A	0609411-004B	0609411-006B	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	ND	ND<1.0	ND	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	ND<1.0	ND	NA	0.5
Dichlorodifluoromethane	ND	ND	ND<1.0	ND	NA	0.5
1,1-Dichloroethane	2.3	11	ND<1.0	1.9	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	10	ND<1.0	0.57	NA	0.5
1,1-Dichloroethene	ND	ND	ND<1.0	ND	NA	0.5
cis-1,2-Dichloroethene	21	9.9	ND<1.0	ND	NA	0.5
trans-1,2-Dichloroethene	1.6	ND	ND<1.0	1.6	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	34	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	5.4	ND	ND<1.0	ND	NA	0.5
Surrogate Recoveries (%)						
%SS1:	108	106	110	105		
%SS2:	99	94	97	94		
%SS3:	106	111	110	118		
Comments	i	i	h,i	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 ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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

Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 09/20/06
5900 Hollis St, Suite A		Date Received: 09/20/06
	Client Contact: Mark Jonas	Date Extracted 09/26/06-09/27/06
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 09/26/06-09/27/06

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0609411

Lab ID	0609411-007B	0609411-008A	0609411-009B		Reporting Limit for DF =1	
Client ID	MW-6B	MW-6C	MW-7A			
Matrix	W	W	W		S	W
DF	10	1	1			
Compound	**Concentration**				µg/kg	µg/L
Bromodichloromethane	ND<5.0	ND	ND		NA	0.5
Bromoform	ND<5.0	ND	ND		NA	0.5
Bromomethane	ND<5.0	ND	ND		NA	0.5
Carbon Tetrachloride	ND<5.0	ND	ND		NA	0.5
Chlorobenzene	ND<5.0	ND	ND		NA	0.5
Chloroethane	ND<5.0	ND	ND		NA	0.5
2-Chloroethyl Vinyl Ether	ND<10	ND	ND		NA	1.0
Chloroform	ND<5.0	ND	ND		NA	0.5
Chloromethane	ND<5.0	ND	ND		NA	0.5
Dibromochloromethane	ND<5.0	ND	ND		NA	0.5
1,2-Dichlorobenzene	ND<5.0	ND	ND		NA	0.5
1,3-Dichlorobenzene	ND<5.0	ND	ND		NA	0.5
1,4-Dichlorobenzene	ND<5.0	ND	ND		NA	0.5
Dichlorodifluoromethane	ND<5.0	ND	ND		NA	0.5
1,1-Dichloroethane	ND<5.0	1.0	ND		NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<5.0	ND	ND		NA	0.5
1,1-Dichloroethene	ND<5.0	ND	ND		NA	0.5
cis-1,2-Dichloroethene	ND<5.0	23	ND		NA	0.5
trans-1,2-Dichloroethene	ND<5.0	0.76	ND		NA	0.5
1,2-Dichloropropane	ND<5.0	ND	ND		NA	0.5
cis-1,3-Dichloropropene	ND<5.0	ND	ND		NA	0.5
trans-1,3-Dichloropropene	ND<5.0	ND	ND		NA	0.5
Methylene chloride	ND<5.0	ND	ND		NA	0.5
1,1,2,2-Tetrachloroethane	ND<5.0	ND	ND		NA	0.5
Tetrachloroethene	ND<5.0	3.7	ND		NA	0.5
1,1,1-Trichloroethane	ND<5.0	ND	ND		NA	0.5
1,1,2-Trichloroethane	ND<5.0	ND	ND		NA	0.5
Trichloroethene	ND<5.0	4.6	ND		NA	0.5
Trichlorofluoromethane	ND<5.0	ND	ND		NA	0.5
Vinyl Chloride	ND<5.0	9.4	ND		NA	0.5
Surrogate Recoveries (%)						
%SS1:	104	102	107			
%SS2:	95	119	100			
%SS3:	117	117	107			
Comments	j,h,i	i	h,i			

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

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

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

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

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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

Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 09/20/06
5900 Hollis St, Suite A		Date Received: 09/20/06
Emeryville, CA 94608	Client Contact: Mark Jonas	Date Extracted 09/20/06
	Client P.O.:	Date Analyzed: 09/22/06-09/26/06

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

Extraction method: SW3510C/3630C Analytical methods: SW8015C Work Order: 0609411

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0609411-001C	MW-1A	W	2400,n,i	ND	1	110
0609411-003B	MW-2A	W	800,d,g,b,i	730	1	107
0609411-004C	MW-3A	W	13,000,n,b,g,h,i	1300	1	113
0609411-005B	MW-4A	W	160,b,f,i	ND	1	104
0609411-006C	MW-6A	W	2600,n,i	ND	1	117
0609411-007C	MW-6B	W	16,000,n,g,b,h,i	740	1	112
0609411-009C	MW-7A	W	36,000,n,h,i	ND<5000	20	96

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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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0609411

EPA Method: SW8021B/8015Cm **Extraction: SW5030B** **BatchID: 23861** **Spiked Sample ID: 0609410-003A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	MS RPD	LCS/LCSD	LCS RPD
TPH(btex)£	ND	60	100	104	3.79	100	98.6	1.54	70 - 130	30	70 - 130	30
MTBE	ND	10	111	112	1.09	107	113	5.59	70 - 130	30	70 - 130	30
Benzene	ND	10	97.3	96.2	1.13	95.2	101	5.74	70 - 130	30	70 - 130	30
Toluene	ND	10	90.6	89.8	0.885	89.1	92.6	3.84	70 - 130	30	70 - 130	30
Ethylbenzene	0.51	10	93.2	91.9	1.29	95.5	98.4	3.00	70 - 130	30	70 - 130	30
Xylenes	1	30	87.7	87.7	0	89.7	90.7	1.11	70 - 130	30	70 - 130	30
%SS:	107	10	100	98	1.08	101	104	2.44	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 23861 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0609411-001A	9/20/06 2:05 PM	9/21/06	9/21/06 10:53 PM	0609411-003A	9/20/06 2:45 PM	9/21/06	9/21/06 11:23 PM
0609411-004A	9/20/06 3:05 PM	9/22/06	9/22/06 12:40 PM	0609411-005A	9/20/06 2:25 PM	9/22/06	9/22/06 11:05 PM
0609411-006A	9/20/06 1:25 PM	9/22/06	9/22/06 2:12 PM	0609411-007A	9/20/06 1:05 PM	9/22/06	9/22/06 2:43 PM
0609411-009A	9/20/06 9:35 AM	9/22/06	9/22/06 3:15 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.

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 ELAP Certification N° 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0609411

EPA Method: SW8015C	Extraction: SW3510C/3630C	BatchID: 23782	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	MS RPD	LCS/LCSD	LCS RPD
TPH(d)	N/A	1000	N/A	N/A	N/A	90.7	88.7	2.30	N/A	N/A	70 - 130	N/A
%SS:	N/A	2500	N/A	N/A	N/A	106	104	1.98	N/A	N/A	70 - 130	N/A

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

NONE

BATCH 23782 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0609411-001C	9/20/06 2:05 PM	9/20/06	9/22/06 6:07 PM	0609411-003B	9/20/06 2:45 PM	9/20/06	9/22/06 7:15 PM
0609411-004C	9/20/06 3:05 PM	9/20/06	9/22/06 8:24 PM	0609411-005B	9/20/06 2:25 PM	9/20/06	9/26/06 8:58 PM
0609411-006C	9/20/06 1:25 PM	9/20/06	9/24/06 12:16 PM	0609411-007C	9/20/06 1:05 PM	9/20/06	9/23/06 7:47 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.

DHS ELAP Certification N° 1644

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0609411

EPA Method: SW8015C	Extraction: SW3510C/3630C				BatchID: 23864			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	MS RPD	LCS/LCSD	LCS RPD
TPH(d)	N/A	1000	N/A	N/A	N/A	103	99.9	2.81	N/A	N/A	70 - 130	N/A
%SS:	N/A	2500	N/A	N/A	N/A	105	102	2.47	N/A	N/A	70 - 130	N/A

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

NONE

BATCH 23864 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0609411-009C	9/20/06 9:35 AM	9/20/06	9/26/06 10:07 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 ELAP Certification N° 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0609411

EPA Method: SW8260B **Extraction: SW5030B** **BatchID: 23852** **Spiked Sample ID: 0609405-006A**

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	90.1	90	0.191	98.4	94.8	3.75	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	121	122	0.827	123	120	2.23	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	88.6	86.2	2.82	114	124	7.93	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	70.6	70.6	0	97.1	92.3	5.04	70 - 130	30	70 - 130	30
%SS1:	97	10	98	99	0.488	108	107	0.545	70 - 130	30	70 - 130	30
%SS2:	119	10	124	125	1.28	104	105	0.669	70 - 130	30	70 - 130	30
%SS3:	104	10	115	116	0.503	109	109	0	70 - 130	30	70 - 130	30

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

NONE

BATCH 23852 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0609411-001B	9/20/06 2:05 PM	9/27/06	9/27/06 7:16 AM	0609411-002A	9/20/06 1:45 PM	9/27/06	9/27/06 8:00 AM
0609411-004B	9/20/06 3:05 PM	9/27/06	9/27/06 8:46 AM	0609411-006B	9/20/06 1:25 PM	9/27/06	9/27/06 9:30 AM
0609411-007B	9/20/06 1:05 PM	9/27/06	9/27/06 10:16 AM	0609411-008A	9/20/06 12:45 PM	9/26/06	9/26/06 10:19 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 ELAP Certification N° 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0609411

EPA Method: SW8260B **Extraction: SW5030B** **BatchID: 23863** **Spiked Sample ID: 0609444-007B**

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	94.3	89.6	5.12	98.4	94.3	4.31	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	126	121	4.08	119	115	2.99	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	90.4	84.3	7.00	91.2	90.9	0.335	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	71.5	70.2	1.84	81.6	75.2	8.24	70 - 130	30	70 - 130	30
%SS1:	106	10	97	97	0	96	94	1.59	70 - 130	30	70 - 130	30
%SS2:	101	10	122	116	4.53	114	120	4.52	70 - 130	30	70 - 130	30
%SS3:	103	10	114	113	1.00	111	112	0.577	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 23863 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0609411-009B	9/20/06 9:35 AM	9/27/06	9/27/06 12:31 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 ELAP Certification N° 1644

QA/QC Officer

cetc 0009411

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Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

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

EDF Required? (Yes) No

Report To: Mark Jonas Bill To: Cambria Environmental Technology
Company: Cambria Environmental Technology
5900 Hollis St. Ste A
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 Street, 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
+3 MW-1A		9-2006	2:05	4 2	VOA Amb	X					X	X		
+1 MW-1B			1:45	4	VOA									
+1 MW-2A			2:45	4 2	VOA Amb									
+1 MW-3A			3:05	4 2	VOA Amb									
+1 MW-4A			2:25	4 2	VOA Amb									
+1 MW-6A			1:25	4 2	VOA Amb									
+1 MW-6B			1:05	4 2	VOA Amb									
+ MW-6C			12:45	4	VOA									
+3 MW-7A			9:35	4 2	VOA Amb									
✓ TB		X		1	VOA	X					X	X		

Analysis Request																	Other		Comments
BTEX & [illegible] (602 / 8021 + 8015)	MTBE / BTEX ONLY (EPA 602 / 8021)	TPH as Diesel / Motor Oil (8015) with 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)	HVOCs 8010	TPHg/SS and BTEX 8015/8020			
		X													X	X			
															X				
		X														X			
		X													X	X			
		X														X			
		X													X	X			
		X													X	X			
															X				
		X													X	X			
																			Hold

Relinquished By: Date: 9/20/06 Time: 4:51 Received By:
Relinquished By: Date: Time: Received By:

47.4°
ICE/t ✓
GOOD CONDITION ✓ APPROPRIATE ✓
HEAD SPACE ABSENT ✓ CONTAINERS
DECHLORINATED IN LAB 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: 0609411 **ClientID: CETE** **EDF: YES**

Report to:
Mark Jonas
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
Email: mjonas@cambria-env.com
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: 09/20/2006
Date Printed: 09/20/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0609411-001	MW-1A	Water	09/20/2006	☐	B	A	A	C								
0609411-002	MW-1B	Water	09/20/2006	☐	A											
0609411-003	MW-2A	Water	09/20/2006	☐		A		B								
0609411-004	MW-3A	Water	09/20/2006	☐	B	A		C								
0609411-005	MW-4A	Water	09/20/2006	☐		A		B								
0609411-006	MW-6A	Water	09/20/2006	☐	B	A		C								
0609411-007	MW-6B	Water	09/20/2006	☐	B	A		C								
0609411-008	MW-6C	Water	09/20/2006	☐	A											
0609411-009	MW-7A	Water	09/20/2006	☐	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: Rosa 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.