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March 1, 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 – Fourth Quarter 2005**
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 – Fourth Quarter 2005*. Presented in this report is a summary of the field activities and a presentation of the results for the fourth quarter 2005 groundwater monitoring event. In addition, this report contains recommendations for first 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 – Fourth Quarter 2005

cc: Mr. Frederic Schrag, 6701 Shellmound Street, Emeryville, California 94608 (3 copies)

H:\Nady – Oakland\QMR\2005\4QMR2005\4Q05QMR.doc

Cambria Environmental Technology, Inc.

5900 Hollis Street
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GROUNDWATER MONITORING REPORT – FOURTH QUARTER 2005

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

March 1, 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 D. Reiss
Staff Geologist

All work performed by Cambria Environmental Technology, Inc. for this site was conducted under my supervision. To the best of my knowledge, the data contained herein are true and accurate and satisfy the scope of work prescribed by the client for this project. The data, findings, recommendations, specifications or professional opinions presented herein were prepared in accordance with generally accepted professional engineering and geologic practice. We make no other warranty, either expressed or implied.

Mark Jonas, P.G.
Senior Project Manager

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GROUNDWATER MONITORING REPORT – FOURTH QUARTER 2005

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

March 1, 2006

INTRODUCTION

This report describes the fourth quarter 2005 groundwater monitoring activities performed at 1137-1167 65th Street, Oakland, California (Figure 1). This groundwater monitoring event was conducted at the direction of the Alameda County Health Care Services Agency, Environmental Health Division (ACHCSA). This report presents a summary of the monitoring activities and results for the fourth quarter 2005. In addition, this report contains recommendations for first quarter 2006 activities.

MONITORING ACTIVITIES

Cambria coordinated with Muskan Environmental Sampling (MES) to perform quarterly groundwater monitoring activities at the site. On December 12 and 13, 2005, MES measured groundwater levels and collected groundwater samples from the 13 site monitoring wells (Figure 2). 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-4B, MW-5B, MW-6B, MW-1C, MW-4C, and MW-6C.

Prior to sampling, the wells were purged to remove standing water in the well casings and promote the inflow of representative groundwater from the surrounding formation. Each well was purged by repeated bailing using a new disposable bailer. Field measurements of the pH, specific conductance, and temperature of the purged groundwater were measured initially and after the extraction of each successive casing volume. Casing volumes were calculated based on the well diameter and the height of the water column in the well casing.

Typically, well purging continued until consecutive pH, specific conductance, and temperature measurements stabilized to 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).

Groundwater samples were collected from each of the wells using disposable bailers. The samples were decanted from the bailers into 40-milliliter (mL) glass volatile organic analysis (VOA) vials

supplied by McCampbell Analytical, Inc. (McCampbell) of Pacheco, California. Immediately after collection, the sample containers were labeled and placed on water-based ice in a cooler. Chain-of-custody procedures were followed at all times from sample collection to transfer to McCampbell (Appendix B).

To minimize the potential for cross-contamination, the groundwater monitoring equipment was decontaminated prior to being deployed in the first monitoring well and between successive wells. The probe of the electric well sounder used for water level measurements was rinsed thoroughly with distilled water prior to first use and between subsequent water level measurements. The disposable bailers were discarded after use at each well.

Groundwater samples were analyzed for total petroleum hydrocarbons as diesel (TPHd), total petroleum hydrocarbons as gasoline (TPHg), total petroleum hydrocarbons as motor oil (TPHmo), and total petroleum hydrocarbons as stoddard solvent (TPHss) by modified United States Environmental Protection Agency (EPA) Method SW8015C. Benzene, toluene, ethylbenzene, total xylenes (BTEX) and methyl tertiary-butyl ether (MTBE) were analyzed by EPA Method SW8021B. Samples were also analyzed for halogenated volatile organic compounds (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 110 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 January 18, 2006, approximately 110 gallons of purged groundwater from the fourth quarter 2005 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.

RESULTS

Groundwater Flow Direction and Gradient: Depth-to-water measurements collected on December 12, 2005 ranged from 2.32 to 9.11 feet below top of casing. Groundwater elevations were calculated by subtracting the depth to water measurements from the surveyed top of casing elevations. The groundwater elevations for A, B, and C-zone water-bearing zones were each plotted on a site plan and contoured. The groundwater flow direction in the A-zone was predominantly southwest with a gradient of approximately 0.030 feet per foot (ft/ft) (Figure 2). The groundwater flow direction in the B-zone was predominantly southwest with a gradient of approximately 0.036 ft/ft (Figure 3). The groundwater flow direction in the C-zone was west-northwest with a gradient of approximately 0.008 ft/ft (Figure 4). The groundwater flow directions and gradients in the A-zone and B-zone are

consistent with the previous quarter's results. The groundwater flow direction and gradient in C-zone are also consistent with historical results, despite a variance from historical conditions during the previous quarter. 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. The B-zone is defined as the second encountered groundwater bearing zone from approximately 16 ft bgs to 22 ft bgs. The C-zone is defined as the third encountered groundwater bearing zone from approximately 28 ft bgs to 40 ft bgs. Rose diagrams depicting historical groundwater flow directions for the A, B, and C-zones are presented on Figures 2, 3, and 4, respectively. Depth-to-water and groundwater elevation data for the site 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-3A at 34,000 micrograms per liter (µg/L). The highest TPHg and TPHss concentrations were detected in well MW-6A at 2,900 µg/L and 4,500 µg/L, respectively. The only TPHmo concentration was detected in well MW-2A at 470 µg/L.

No MTBE was detected in A-zone groundwater. Benzene was only detected in well MW-4A at 0.67 µg/L. Toluene, ethylbenzene, and xylenes were detected in at least two monitoring wells, but no concentrations exceeded 8.9 µg/L.

HVOCs were detected in all A-zone monitoring wells except MW-2A. The HVOC detections were as follows:

- Chloroethane was detected in well MW-6A at a concentration of 13 µg/L.
- 1,1,2,2-tetrachloroethane (1,1,2,2-PCA) was detected in wells MW-1A, MW-3A, MW-6A, and MW-7A at concentrations of 16 µg/L, 26 µg/L, 8.7 µg/L, and 21 µg/L, respectively.
- Tetrachloroethene (PCE) was detected in monitoring wells MW-1A and MW-4A at concentrations of 60 µg/L and 2.0 µg/L, respectively.
- Trichloroethene (TCE) was detected in well MW-1A at a concentration of 17 µg/L.
- 1,2-dichlorobenzene (1,2-DCB) was detected in wells MW-1A and MW-3A at concentrations of 2.0 µg/L and 43 µg/L, respectively.
- cis-1,2-dichloroethene (cis-1,2-DCE) was detected in monitoring well MW-1A at a concentration of 22 µg/L.
- trans-1,2-dichloroethene (trans-1,2-DCE) was detected in wells MW-1A and MW-6A at concentrations of 2.3 µg/L and 1.1 µg/L, respectively.
- 1,1-dichloroethane (1,1-DCA) was detected in wells MW-1A and MW-6A at concentrations of 2.5 µg/L and 0.82 µg/L, respectively.

- Vinyl chloride was detected in well MW-1A at a concentration of 12 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. Groundwater analytical data is presented in Tables 1 and 2 and A-zone data is summarized on Figure 2.

Chemicals Detected in B-Zone Groundwater: No TPHmo, benzene, toluene, ethylbenzene, or MTBE was detected in B-zone groundwater. TPHd, TPHg, and TPHss were detected in well MW-6B at concentrations of 4,100 µg/L, 840 µg/L, and 1,200 µg/L, respectively. Xylenes were detected in well MW-6B at a concentration of 3.3 µg/L. No other aromatic hydrocarbon compounds were detected.

- HVOCs were only detected in wells MW-1B and MW-6B of the B-zone. The HVOC detections were as follows:
- Chloroethane (1.5 µg/L), chloroform (0.75 µg/L), cis-1,2-DCE (3.7 µg/L), 1,1-DCA (7.0 µg/L), and 1,2-DCA (12 µg/L) were detected in well MW-1B.
- Chloroethane (2.3 µg/L), 1,1,2,2-PCA (11 µg/L), cis-1,2-DCE (1.3 µg/L), and 1,1-DCA (1.3 µg/L) were detected in well MW-6B.

No other HVOCs were detected in B-zone wells. Groundwater analytical data is presented in Tables 1 and 2 and B-zone data is summarized on Figure 3.

Chemicals Detected in C-Zone Groundwater: No petroleum hydrocarbons, BTEX, or MTBE were detected at or above laboratory reporting limits in C-zone groundwater.

HVOCs were only detected in C-zone monitoring well MW-6C. Chloroethane (0.66 µg/L), PCE (3.2 µg/L), TCE (3.0 µg/L), cis-1,2-DCE (19 µg/L), trans-1,2-DCE (0.61 µg/L), 1,1-DCA (1.4 µg/L), and vinyl chloride (10 µg/L) were detected in the well MW-6C. No other HVOCs were detected in C-zone wells. Groundwater analytical data is presented in Tables 1 and 2 and C-zone data is summarized on Figure 4.

GeoTracker Submittals

During the fourth quarter 2005, Cambria uploaded relevant data to the GeoTracker database on behalf of Mr. John Nady. Cambria uploaded second, third, and fourth quarter 2005 groundwater depth data, analytical results, and reports to the State's GeoTracker database.

RECOMMENDED FIRST QUARTER 2006 ACTIVITIES

Cambria makes the following recommendations:

- Discontinue analyzing groundwater samples for MTBE. MTBE has not been detected in site soil or groundwater at levels above California Department of Health Service's Maximum Contaminant Levels (MCLs) or the California Regional Water Quality Control Board - San Francisco Bay Region's Environmental Screening Levels (ESLs) for a non-drinking water resource. As a result, MTBE should not be considered a chemical of concern (COC) for the site and soil and groundwater should no longer be analyzed for MTBE.

- Discontinue analysis of groundwater for petroleum hydrocarbons (including TPHd, TPHg, TPHmo, TPHss, BTEX, and MTBE) from wells MW-1B, MW-4B, MW-5B, MW-1C, MW-4C, and MW-6C due to consistent non-detections of the listed target contaminants. After six quarters of groundwater monitoring, analytical results prove that the groundwater in the specified wells is not impacted by petroleum hydrocarbons, BTEX constituents, or MTBE.

- Discontinue analysis of groundwater for HVOCs from wells MW-2A, MW-4A, MW-4B, MW-5B, MW-1C, and MW-4C due to consistent non-detections. After six quarters of groundwater monitoring, analytical results prove that the groundwater in the specified wells is not impacted by (8010 listed) HVOCs.

- Conduct a quarterly groundwater monitoring event during the first quarter 2006. Monitoring activities should include gauging groundwater depths in the thirteen (13) 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 listed) HVOCs. A report will be prepared detailing the activities and findings of the first quarter 2006 event to be submitted to ACHCSA by May 30, 2006.

- Groundwater analytical and well gauging data will be uploaded to GeoTracker in compliance with California State Assembly Bill 592.

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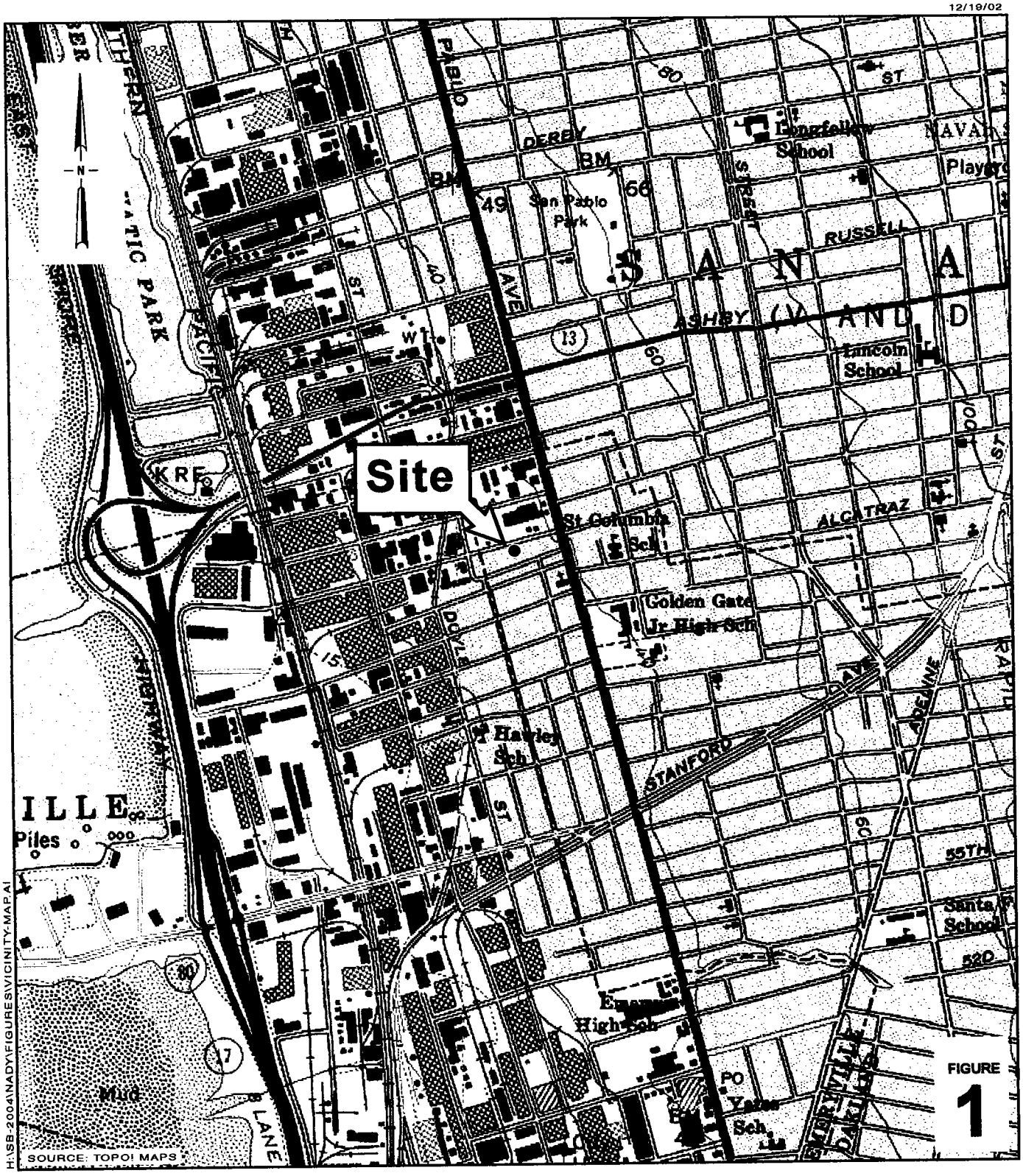
ATTACHMENTS

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



SCALE : 1" = 1/4 MILE

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FIGURE 1

Vicinity Map

1137 - 1167 65th Street

Oakland, California

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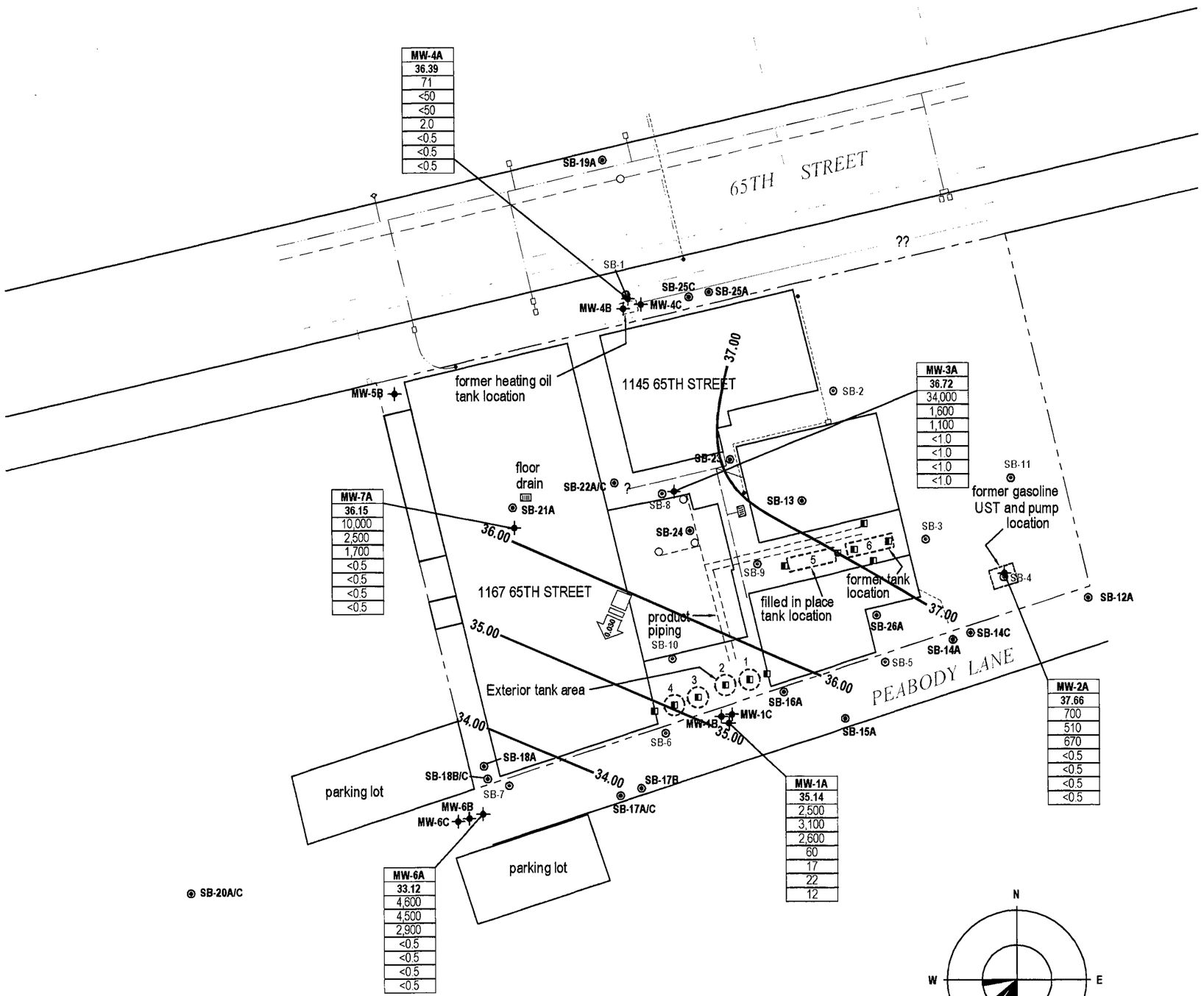
Groundwater Flow and Chemical Concentrations - A Zone

December 12-13, 2005



EXPLANATION

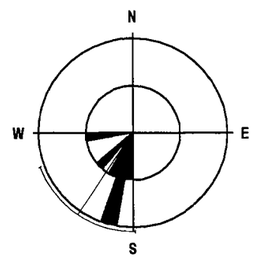
- MW-1A — Cambria Monitoring well location
- SB-12 — Cambria Soil boring location
- SB-1 — Cambria soil boring/temporary well location
- SCI soil sample location
- 1 — Former tank location and tank nomenclature
- Product piping
- Product piping stub-ups
- Electrical line
- Storm drain
- Sanitary sewer line
- Water line
- Gas line
- Communications line
- 37.00 — Groundwater elevation contour line in feet above mean sea level (MSL), dashed where inferred
- 0.030 — 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



Groundwater Flow Direction

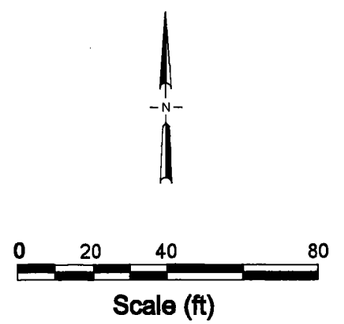


FIGURE 2

1137 - 1167 65th Street
Oakland, California

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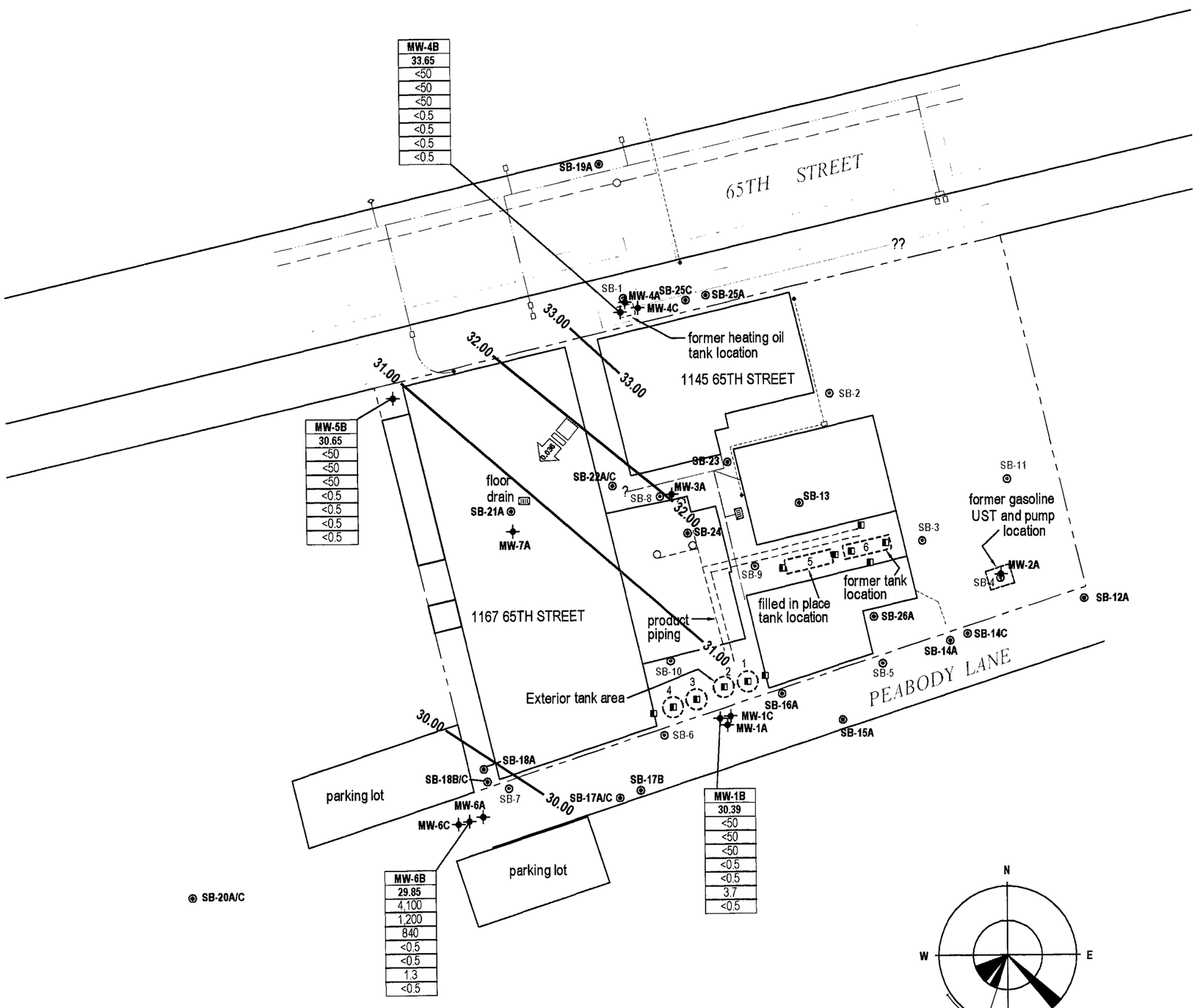
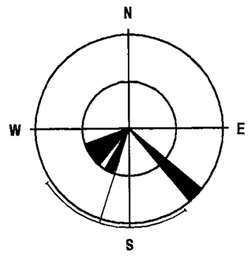
Groundwater Flow and Chemical Concentrations - B Zone

December 12-13, 2005

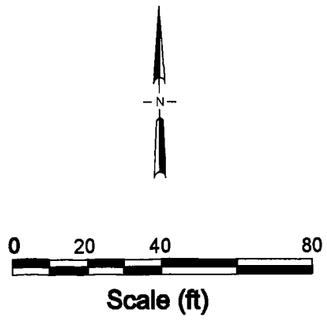


EXPLANATION

- 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
- 34.00 — Groundwater elevation contour line in feet above mean sea level (MSL)
- 0.036 — Groundwater flow direction and gradient
- Well ID — Monitoring Well Designation
- ELEV. — Groundwater elevation in feet above mean sea level (MSL)
- TPHd, TPHss, TPHg, PCE, TCE, cis-1,2-DCE, Vinyl Chloride — Concentrations in groundwater in micrograms per liter



Groundwater Flow Direction



FIGURE

3

1137 - 1167 65th Street
Oakland, California

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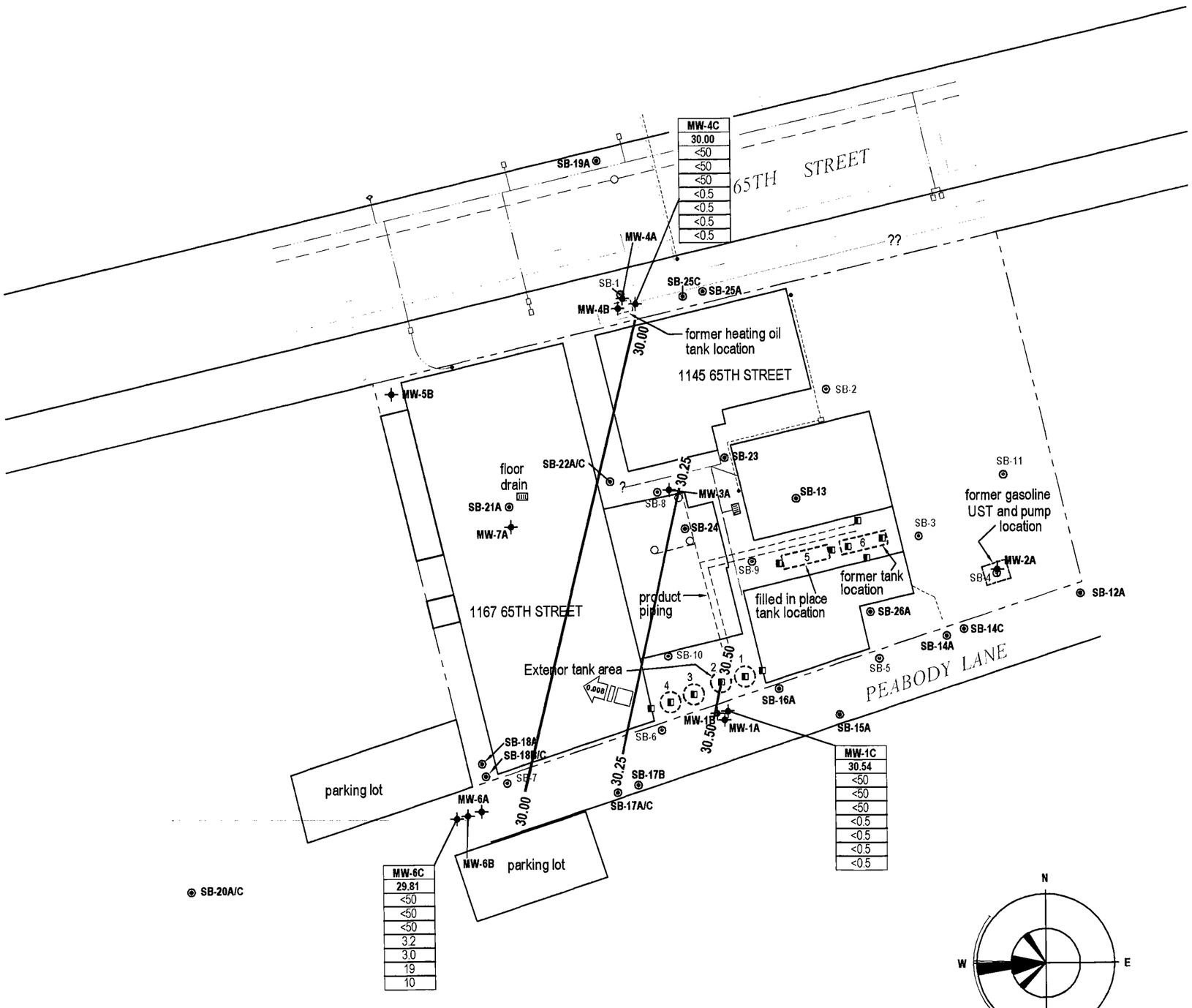
Groundwater Flow and Chemical Concentrations - C Zone

December 12-13, 2005



EXPLANATION

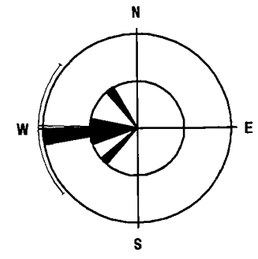
- MW-1A — Cambria Monitoring well location
- SB-12 — Cambria Soil boring location
- SB-1 — Cambria soil boring/temporary well location
- SCI soil sample location
- 1 — Former tank location and tank nomenclature
- Product piping
- Product piping stub-ups
- Electrical line
- Storm drain
- Sanitary sewer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

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

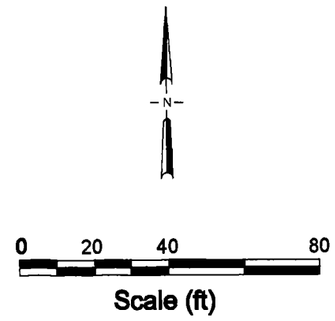
Monitoring Well Designation

Groundwater elevation in feet above mean sea level (MSL)

Concentrations in groundwater in micrograms per liter



Groundwater Flow Direction



FIGURE

4

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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	Date	Groundwater	Depth									
TOC	Sampled	Elevation	to Water	TPHd	TPHg	TPHmo	TPHss	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
(ft)		(ft amsl)	(ft)	←				µg/L				→	
California MCLs				--	--	--	--	1.0	150	300	1,750	13	
ESL - Not a Potential Drinking Water Source				640	500	640	500	46	130	290	100	1,800	
ESL - For Potential Vapor Intrusion Concerns				--	--	--	--	1,900	530,000	170,000	160,000	45,000	
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**
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**
MW-3A	6/3/2004	36.56	4.32	90,000	4,800	6,000	12,000	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	
40.88	11/23/2004	37.89	2.99	22,000	3,800	ND<2,500	5,700	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	a,c,d
	3/14/2005	37.28	3.60	--	--	--	--	--	--	--	--	--	
	3/15/2005	--	--	37,000	2,400	ND<2,500	3,500	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<17	e,d,i
	6/15/2005	36.78	4.10	--	--	--	--	--	--	--	--	--	
	6/16/2005	--	--	15,000	2,100	ND<1,200	3,300	ND<1.7	ND<1.7	ND<1.7	2.4	ND<17	a,c,d,h,i
	9/19/2005	35.93	4.95	--	--	--	--	--	--	--	--	--	
	9/20/2005	--	--	55,000	4,700	ND<5,000	8,000	ND<1.0	ND<1.0	2.6	6.8	ND<10	a,b,c,d,i
	12/12/2005	**36.72**	**4.16**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
	12/13/2005	**--**	**--**	**34,000**	**1,100**	**ND<12,000**	**1,600**	**ND<1.7**	**ND<1.7**	**ND<1.7**	**2.3**	**ND<17**	**a,b,c,d,h,i**

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

Well ID *TOC* *(ft)*	Date Sampled	Groundwater Elevation (ft amsl)	Depth to Water (ft)	TPHd	TPHg	TPHmo	TPHss	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
				←				µg/L				→	
California MCLs				--	--	--	--	1.0	150	300	1,750	13	
ESL - Not a Potential Drinking Water Source				640	500	640	500	46	130	290	100	1,800	
ESL - For Potential Vapor Intrusion Concerns				--	--	--	--	1,900	530,000	170,000	160,000	45,000	
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**
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**
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**
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**

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				→	
California MCLs				--	--	--	--	1.0	150	300	1,750	13	
ESL - Not a Potential Drinking Water Source				640	500	640	500	46	130	290	100	1,800	
ESL - For Potential Vapor Intrusion Concerns				--	--	--	--	1,900	530,000	170,000	160,000	45,000	
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**
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**
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	c,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**

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				→	
California MCLs				--	--	--	--	1.0	150	300	1,750	13	
ESL - Not a Potential Drinking Water Source				640	500	640	500	46	130	290	100	1,800	
ESL - For Potential Vapor Intrusion Concerns				--	--	--	--	1,900	530,000	170,000	160,000	45,000	
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**
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**
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**	

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				→	
California MCLs				--	--	--	--	1.0	150	300	1,750	13	
ESL - Not a Potential Drinking Water Source				640	500	640	500	46	130	290	100	1,800	
ESL - For Potential Vapor Intrusion Concerns				--	--	--	--	1,900	530,000	170,000	160,000	45,000	

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					→	
California MCLs				--	100 (a)	1	5	5	600	6	10	5	0.5	0.5	
ESL - Not a Potential Drinking Water Source				12	330	190	120	360	14	590	590	47	200	3.8	
ESL - For Potential Vapor Intrusion Concerns				3,200	1,100	290	500	200	160,000	19,000	24,000	3,500	490	17.00	
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**
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**
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)**
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**

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					→	
California MCLs				--	100 (a)	1	5	5	600	6	10	5	0.5	0.5	
ESL - Not a Potential Drinking Water Source				12	330	190	120	360	14	590	590	47	200	3.8	
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**
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**
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**
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**
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**

CAMBRIA

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 →											
California MCLs				--	100 (a)	1	5	5	600	6	10	5	0.5	0.5	
ESL - Not a Potential Drinking Water Source				12	330	190	120	360	14	590	590	47	200	3.8	
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,l**
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**
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**
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**	

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.

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 = Not A Potential Drinking Water Source IV, Table B. *Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater, Volumes 1 and 2. Interim Final. California Regional Water Quality Control Board - San Francisco Bay Region.* February 2005.

-- = 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: 12/12/2005 **Signature:**

Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-1A	10:15		4.50		14.34	
MW-1B	9:30		9.11		19.70	
MW-1C	9:35		8.95		34.55	
MW-2A	9:40		3.06		11.14	
MW-3A	10:30		4.16		13.99	
MW-4A	9:45		2.32		12.60	
MW-4B	9:50		4.89		20.83	
MW-4C	9:55		8.50		32.00	
MW-5B	10:00		8.33		23.02	
MW-6A	10:25		4.86		14.45	
MW-6B	10:10		7.81		21.95	

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL GAUGING SHEET

Client: Cambria Environmental Technology Inc.

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

Date: 12/12/2005 **Signature:**

Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-6C	10:05		7.78		33.85	
MW-7A	10:20		4.43		10.01	

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	12/12/2005
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:	14.34	**Fe=**	**mg/L**
Depth to Water:	4.50	**ORP=**	**mV**
Water Column Height:	9.84	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	1.57	**COMMENTS:** turbid	
3 Casing Volumes (gal):	4.72		

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
2:10	1.6	19.1	8.48	296
2:15	3.1	19.7	8.50	293
2:20	4.7	20.0	8.51	305

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-1A	12/12/2005	2:25	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, MTBE, TPHd, TPHmo HVOCs	8015, silica gel clean up, 8020, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	12/12/2005
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:	9.11	**ORP=**	**mV**
Water Column Height:	10.59	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	1.69		
3 Casing Volumes (gal):	5.08		

COMMENTS:
turbid

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
1:10	1.7	20.6	6.90	1378
1:15	3.4	20.4	6.93	1390
1:20	5.1	20.2	6.98	1369

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-1B	12/12/2005	1:25	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, MTBE, TPHd, TPHmo HVOCs	8015, silica gel clean up, 8020, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	12/12/2005
Client:	Cambria Environmental Technology Inc.
Site Address:	1137 - 1167 65th Street Oakland, CA
Well ID:	MW-1C
Well Diameter:	2"
Purging Device:	Disposable Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	34.55	**Fe=**	**mg/L**
Depth to Water:	8.95	**ORP=**	**mV**
Water Column Height:	25.60	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	4.10		
3 Casing Volumes (gal):	12.29		

COMMENTS:
very turbid

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
1:35	4.1	19.8	7.50	1157
1:45	8.2	19.5	7.46	1063
1:55	12.3	19.2	7.48	1149

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-1C	12/12/2005	2:00	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, MTBE, TPHd, TPHmo HVOCs	8015, silica gel clean up, 8020, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	12/12/2005
Client:	Cambria Environmental Technology Inc.
Site Address:	1137 - 1167 65th Street Oakland, CA
Well ID:	MW-2A
Well Diameter:	4"
Purging Device:	3" PVC Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	11.14	**Fe=**	**mg/L**
Depth to Water:	3.06	**ORP=**	**mV**
Water Column Height:	8.08	**DO=**	**mg/L**
Gallons/ft:	0.65		
1 Casing Volume (gal):	5.25		
3 Casing Volumes (gal):	15.76		

COMMENTS:
very turbid

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
12:00	5.3	19.3	7.60	414
12:05	10.5	19.5	7.62	420
12:10	15.8	20.1	7.59	422

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-2A	12/13/2005	12:15	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, MTBE, TPHd, TPHmo HVOCs	8015, silica gel clean up, 8020, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	12/12/2005
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
Depth to Water:	4.16
Water Column Height:	9.83
Gallons/ft:	0.16
1 Casing Volume (gal):	1.57
3 Casing Volumes (gal):	4.72

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

COMMENTS:
very turbid, sheen

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
11:25	1.6	19.6	7.10	841
11:30	3.1	19.8	7.14	817
11:35	4.7	19.8	7.19	810

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-3A	12/13/2005	11:40	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, MTBE, TPHd, TPHmo HVOCs	8015, silica gel clean up, 8020, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	12/12/2005
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:	12.60
Depth to Water:	2.32
Water Column Height:	10.28
Gallons/ft:	0.16
1 Casing Volume (gal):	1.64
3 Casing Volumes (gal):	4.93

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
10:00	1.6	15.4	10.41	690
10:05	3.3	16.0	10.91	698
10:10	4.9	16.3	10.99	695

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

COMMENTS:
turbid

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-4A	12/13/2005	10:15	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, MTBE, TPHd, TPHmo HVOCs	8015, silica gel clean up, 8020, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	12/12/2005
Client:	Cambria Environmental Technology Inc.
Site Address:	1137 - 1167 65th Street Oakland, CA
Well ID:	MW-4B
Well Diameter:	2"
Purging Device:	Disposable Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	20.83	**Fe=**	**mg/L**
Depth to Water:	4.89	**ORP=**	**mV**
Water Column Height:	15.94	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	2.55		
3 Casing Volumes (gal):	7.65		

COMMENTS:
very turbid, silty

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
10:25	2.6	19.6	7.23	690
10:30	5.1	19.1	7.20	720
10:35	7.7	19.7	7.18	713

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-4B	12/13/2005	10:40	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, MTBE, TPHd, TPHmo HVOCs	8015, silica gel clean up, 8020, 8010

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	12/12/2005
Client:	Cambria Environmental Technology Inc.
Site Address:	1137 - 1167 65th Street Oakland, CA
Well ID:	MW-4C
Well Diameter:	2"
Purging Device:	Disposable Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	32.00	**Fe=**	**mg/L**
Depth to Water:	8.50	**ORP=**	**mV**
Water Column Height:	23.50	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	3.76		
3 Casing Volumes (gal):	11.28		

COMMENTS:
very turid, silty

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
10:50	3.8	19.4	7.27	907
11:00	7.5	19.5	7.31	942
11:10	11.3	19.4	7.29	960

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-4C	12/13/2005	11:15	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, MTBE, TPHd, TPHmo HVOCs	8015, silica gel clean up, 8020, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	12/12/2005
Client:	Cambria Environmental Technology Inc.
Site Address:	1137 - 1167 65th Street Oakland, CA
Well ID:	MW-5B
Well Diameter:	2"
Purging Device:	Disposable Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	23.02	**Fe=**	**mg/L**
Depth to Water:	8.33	**ORP=**	**mV**
Water Column Height:	14.69	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	2.35	**COMMENTS:**	
3 Casing Volumes (gal):	7.05		

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
2:45	2.4	18.9	6.51	685
2:50	4.7	18.3	6.55	668
2:55	7.1	18.3	6.59	668

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-5B	12/12/2005	3:00	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, MTBE, TPHd, TPHmo HVOCs	8015, silica gel clean up, 8020, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	12/12/2005
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:	14.45	**Fe=**	**mg/L**
Depth to Water:	4.86	**ORP=**	**mV**
Water Column Height:	9.59	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	1.53		
3 Casing Volumes (gal):	4.60		

COMMENTS:
sheen, turbid, odor

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
12:30	1.5	19.7	7.02	532
12:35	3.1	20.2	7.06	571
12:40	4.6	20.3	7.05	549

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-6A	12/12/2005	12:45	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, MTBE, TPHd, TPHmo HVOCs	8015, silica gel clean up, 8020, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	12/12/2005
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:	7.81	**ORP=**	**mV**
Water Column Height:	14.14	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	2.26		
3 Casing Volumes (gal):	6.79		

COMMENTS:
slightly turbid, sheen

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
12:00	2.3	20.2	7.06	984
12:05	4.5	20.5	7.01	991
12:10	6.8	20.4	6.98	1002

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-6B	12/12/2005	12:15	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, MTBE, TPHd, TPHmo HVOCs	8015, silica gel clean up, 8020, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	12/12/2005
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:	33.85	**Fe=**	**mg/L**
Depth to Water:	7.78	**ORP=**	**mV**
Water Column Height:	26.07	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	4.17	**COMMENTS:**	
3 Casing Volumes (gal):	12.51		

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
11:15	4.2	19.9	6.58	979
11:20	8.3	19.5	6.64	972
11:25	12.5	19.9	6.61	988

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-6C	12/12/2005	11:30	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, MTBE, TPHd, TPHmo HVOCs	8015, silica gel clean up, 8020, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	12/12/2005
Client:	Cambria Environmental Technology Inc.
Site Address:	1137 - 1167 65th Street Oakland, CA
Well ID:	MW-7A
Well Diameter:	1"
Purging Device:	Check valve tubing
Sampling Method:	Disposable Bailer

Total Well Depth:	10.01	**Fe=**	**mg/L**
Depth to Water:	4.43	**ORP=**	**mV**
Water Column Height:	5.58	**DO=**	**mg/L**
Gallons/ft:	0.04		
1 Casing Volume (gal):	0.22		
3 Casing Volumes (gal):	0.67		

COMMENTS:
very turbid, silty

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
10:45	0.2	20.4	7.11	528
10:50	0.4	20.7	7.05	541
10:55	0.7	20.5	7.06	549

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-7A	12/12/2005	11:00	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, MTBE, TPHd, TPHmo HVOCs	8015, silica gel clean up, 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: 12/12/05
		Date Received: 12/13/05
	Client Contact: Matt Meyers	Date Reported: 12/20/05
	Client P.O.:	Date Completed: 12/20/05

WorkOrder: 0512227

December 20, 2005

Dear Matt:

Enclosed are:

1). the results of **13** 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: 12/12/05
5900 Hollis St, Suite A		Date Received: 12/13/05
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 12/14/05-12/17/05
	Client P.O.:	Date Analyzed: 12/14/05-12/17/05

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

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0512227

Lab ID	0512227-001A	0512227-002A	0512227-003A	0512227-004A	Reporting Limit for DF =1	
Client ID	MW-1A	MW-1B	MW-1C	MW-2A		
Matrix	W	W	W	W		
DF	3.3	1	1	1	S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(g)	2600	ND	ND	670	NA	50
TPH(ss)	3100	ND	ND	510	NA	50
MTBE	ND<17	ND	ND	ND	NA	5.0
Benzene	ND<1.7	ND	ND	ND	NA	0.5
Toluene	ND<1.7	ND	ND	5.9	NA	0.5
Ethylbenzene	2.7	ND	ND	ND	NA	0.5
Xylenes	6.5	ND	ND	ND	NA	0.5
Surrogate Recoveries (%)						
%SS:	115	104	100	107		
Comments	e,m,h,i	i	i	e,m,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

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: 12/12/05
5900 Hollis St, Suite A		Date Received: 12/13/05
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 12/14/05-12/17/05
	Client P.O.:	Date Analyzed: 12/14/05-12/17/05

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

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0512227

Lab ID	0512227-005A	0512227-006A	0512227-007A	0512227-008A	Reporting Limit for DF =1	
Client ID	MW-3A	MW-4A	MW-4B	MW-4C		
Matrix	W	W	W	W		
DF	3.3	1	1	1	S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(g)	1100	ND	ND	ND	NA	50
TPH(ss)	1600	ND	ND	ND	NA	50
MTBE	ND<17	ND	ND	ND	NA	5.0
Benzene	ND<1.7	0.67	ND	ND	NA	0.5
Toluene	ND<1.7	1.4	ND	ND	NA	0.5
Ethylbenzene	ND<1.7	ND	ND	ND	NA	0.5
Xylenes	2.3	1.9	ND	ND	NA	0.5
Surrogate Recoveries (%)						
%SS:	93	103	104	105		
Comments	e,m,h,i	i	i	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

McCampbell Analytical, Inc.

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Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 12/12/05
5900 Hollis St, Suite A		Date Received: 12/13/05
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 12/14/05-12/17/05
	Client P.O.:	Date Analyzed: 12/14/05-12/17/05

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

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0512227

Lab ID	0512227-009A	0512227-010A	0512227-011A	0512227-012A	Reporting Limit for DF =1	
Client ID	MW-5B	MW-6A	MW-6B	MW-6C		
Matrix	W	W	W	W		
DF	1	1	1	1	S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(g)	ND	2900	840	ND	NA	50
TPH(ss)	ND	4500	1200	ND	NA	50
MTBE	ND	ND	ND	ND	NA	5.0
Benzene	ND	ND	ND	ND	NA	0.5
Toluene	ND	ND	ND	ND	NA	0.5
Ethylbenzene	ND	1.6	ND	ND	NA	0.5
Xylenes	ND	8.9	3.3	ND	NA	0.5
Surrogate Recoveries (%)						
%SS:	103	119	110	110		
Comments	i	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

McCampbell Analytical, Inc.

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Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 12/12/05
5900 Hollis St, Suite A		Date Received: 12/13/05
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 12/14/05-12/17/05
	Client P.O.:	Date Analyzed: 12/14/05-12/17/05

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

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0512227

					Reporting Limit for DF =1	
Lab ID	0512227-013A					
Client ID	MW-7A					
Matrix	W					
DF	2				S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(g)	1700				NA	50
TPH(ss)	2500				NA	50
MTBE	ND<10				NA	5.0
Benzene	ND<1.0				NA	0.5
Toluene	ND<1.0				NA	0.5
Ethylbenzene	1.4				NA	0.5
Xylenes	2.4				NA	0.5
Surrogate Recoveries (%)						
%SS:	85					
Comments	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

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Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 12/12/05
5900 Hollis St, Suite A		Date Received: 12/13/05
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 12/13/05
	Client P.O.:	Date Analyzed: 12/14/05-12/17/05

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

Extraction method: SW3510C Analytical methods: SW8015C Work Order: 0512227

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0512227-001C	MW-1A	W	2500,n,h,i	ND	1	108
0512227-002C	MW-1B	W	ND,i	ND	1	109
0512227-003C	MW-1C	W	ND,i	ND	1	102
0512227-004C	MW-2A	W	700,d,g,i	470	1	114
0512227-005C	MW-3A	W	34,000,n,b,h,i	ND<12,000	50	---#
0512227-006C	MW-4A	W	71,b,f,i	ND	1	105
0512227-007C	MW-4B	W	ND,i	ND	1	106
0512227-008C	MW-4C	W	ND,i	ND	1	105
0512227-009C	MW-5B	W	ND,i	ND	1	106
0512227-010C	MW-6A	W	4600,n,h,i	ND	1	117
0512227-011C	MW-6B	W	4100,n,h,i	ND	1	115
0512227-012C	MW-6C	W	ND	ND	1	97
0512227-013C	MW-7A	W	10,000,n,b,h,i	ND<1200	5	111

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

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Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 12/12/05
		Date Received: 12/13/05
5900 Hollis St, Suite A	Client Contact: Matt Meyers	Date Extracted: 12/14/05-12/15/05
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 12/14/05-12/15/05

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0512227

Lab ID	0512227-001B	0512227-002B	0512227-003B	0512227-004B	Reporting Limit for DF =1	
Client ID	MW-1A	MW-1B	MW-1C	MW-2A		
Matrix	W	W	W	W	S	W
DF	2	1	1	1		
Compound	**Concentration**				µg/kg	µg/L
Bromodichloromethane	ND<1.0	ND	ND	ND	NA	0.5
Bromoform	ND<1.0	ND	ND	ND	NA	0.5
Bromomethane	ND<1.0	ND	ND	ND	NA	0.5
Carbon Tetrachloride	ND<1.0	ND	ND	ND	NA	0.5
Chlorobenzene	ND<1.0	ND	ND	ND	NA	0.5
Chloroethane	ND<1.0	1.5	ND	ND	NA	0.5
2-Chloroethyl Vinyl Ether	ND<2.0	ND	ND	ND	NA	1.0
Chloroform	ND<1.0	0.75	ND	ND	NA	0.5
Chloromethane	ND<1.0	ND	ND	ND	NA	0.5
Dibromochloromethane	ND<1.0	ND	ND	ND	NA	0.5
1,2-Dichlorobenzene	2.0	ND	ND	ND	NA	0.5
1,3-Dichlorobenzene	ND<1.0	ND	ND	ND	NA	0.5
1,4-Dichlorobenzene	ND<1.0	ND	ND	ND	NA	0.5
Dichlorodifluoromethane	ND<1.0	ND	ND	ND	NA	0.5
1,1-Dichloroethane	2.5	7.0	ND	ND	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<1.0	12	ND	ND	NA	0.5
1,1-Dichloroethene	ND<1.0	ND	ND	ND	NA	0.5
cis-1,2-Dichloroethene	22	3.7	ND	ND	NA	0.5
trans-1,2-Dichloroethene	2.3	ND	ND	ND	NA	0.5
1,2-Dichloropropane	ND<1.0	ND	ND	ND	NA	0.5
cis-1,3-Dichloropropene	ND<1.0	ND	ND	ND	NA	0.5
trans-1,3-Dichloropropene	ND<1.0	ND	ND	ND	NA	0.5
Methylene chloride	ND<1.0	ND	ND	ND	NA	0.5
1,1,2,2-Tetrachloroethane	16	ND	ND	ND	NA	0.5
Tetrachloroethene	60	ND	ND	ND	NA	0.5
1,1,1-Trichloroethane	ND<1.0	ND	ND	ND	NA	0.5
1,1,2-Trichloroethane	ND<1.0	ND	ND	ND	NA	0.5
Trichloroethene	17	ND	ND	ND	NA	0.5
Trichlorofluoromethane	ND<1.0	ND	ND	ND	NA	0.5
Vinyl Chloride	12	ND	ND	ND	NA	0.5
Surrogate Recoveries (%)						
%SS1:	107	104	106	108		
%SS2:	103	103	103	102		
%SS3:	97	95	96	95		
Comments	h,i	i	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.

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Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 12/12/05
		Date Received: 12/13/05
5900 Hollis St, Suite A	Client Contact: Matt Meyers	Date Extracted: 12/14/05-12/15/05
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 12/14/05-12/15/05

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0512227

Lab ID	0512227-005B	0512227-006B	0512227-007B	0512227-008B	Reporting Limit for DF =1	
Client ID	MW-3A	MW-4A	MW-4B	MW-4C		
Matrix	W	W	W	W	S	W
DF	2	1	1	1		
Compound	**Concentration**				µg/kg	µg/L
Bromodichloromethane	ND<1.0	ND	ND	ND	NA	0.5
Bromoform	ND<1.0	ND	ND	ND	NA	0.5
Bromomethane	ND<1.0	ND	ND	ND	NA	0.5
Carbon Tetrachloride	ND<1.0	ND	ND	ND	NA	0.5
Chlorobenzene	ND<1.0	ND	ND	ND	NA	0.5
Chloroethane	ND<1.0	ND	ND	ND	NA	0.5
2-Chloroethyl Vinyl Ether	ND<2.0	ND	ND	ND	NA	1.0
Chloroform	ND<1.0	ND	ND	ND	NA	0.5
Chloromethane	ND<1.0	ND	ND	ND	NA	0.5
Dibromochloromethane	ND<1.0	ND	ND	ND	NA	0.5
1,2-Dichlorobenzene	43	ND	ND	ND	NA	0.5
1,3-Dichlorobenzene	ND<1.0	ND	ND	ND	NA	0.5
1,4-Dichlorobenzene	7.2	ND	ND	ND	NA	0.5
Dichlorodifluoromethane	ND<1.0	ND	ND	ND	NA	0.5
1,1-Dichloroethane	ND<1.0	ND	ND	ND	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<1.0	ND	ND	ND	NA	0.5
1,1-Dichloroethene	ND<1.0	ND	ND	ND	NA	0.5
cis-1,2-Dichloroethene	ND<1.0	ND	ND	ND	NA	0.5
trans-1,2-Dichloroethene	ND<1.0	ND	ND	ND	NA	0.5
1,2-Dichloropropane	ND<1.0	ND	ND	ND	NA	0.5
cis-1,3-Dichloropropene	ND<1.0	ND	ND	ND	NA	0.5
trans-1,3-Dichloropropene	ND<1.0	ND	ND	ND	NA	0.5
Methylene chloride	ND<1.0	ND	ND	ND	NA	0.5
1,1,2,2-Tetrachloroethane	26	ND	ND	ND	NA	0.5
Tetrachloroethene	ND<1.0	2.0	ND	ND	NA	0.5
1,1,1-Trichloroethane	ND<1.0	ND	ND	ND	NA	0.5
1,1,2-Trichloroethane	ND<1.0	ND	ND	ND	NA	0.5
Trichloroethene	ND<1.0	ND	ND	ND	NA	0.5
Trichlorofluoromethane	ND<1.0	ND	ND	ND	NA	0.5
Vinyl Chloride	ND<1.0	ND	ND	ND	NA	0.5
Surrogate Recoveries (%)						
%SS1:	104	106	104	105		
%SS2:	104	103	103	103		
%SS3:	97	94	95	97		
Comments	h,i	i	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.

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Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 12/12/05
		Date Received: 12/13/05
5900 Hollis St, Suite A	Client Contact: Matt Meyers	Date Extracted: 12/14/05-12/15/05
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 12/14/05-12/15/05

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0512227

Lab ID	0512227-009B	0512227-010B	0512227-011B	0512227-012B	Reporting Limit for DF =1	
Client ID	MW-5B	MW-6A	MW-6B	MW-6C		
Matrix	W	W	W	W	S	W
DF	1	1	1	1		
Compound	**Concentration**				µg/kg	µg/L
Bromodichloromethane	ND	ND	ND	ND	NA	0.5
Bromoform	ND	ND	ND	ND	NA	0.5
Bromomethane	ND	ND	ND	ND	NA	0.5
Carbon Tetrachloride	ND	ND	ND	ND	NA	0.5
Chlorobenzene	ND	ND	ND	ND	NA	0.5
Chloroethane	ND	13	2.3	0.66	NA	0.5
2-Chloroethyl Vinyl Ether	ND	ND	ND	ND	NA	1.0
Chloroform	ND	ND	ND	ND	NA	0.5
Chloromethane	ND	ND	ND	ND	NA	0.5
Dibromochloromethane	ND	ND	ND	ND	NA	0.5
1,2-Dichlorobenzene	ND	ND	ND	ND	NA	0.5
1,3-Dichlorobenzene	ND	ND	ND	ND	NA	0.5
1,4-Dichlorobenzene	ND	ND	ND	ND	NA	0.5
Dichlorodifluoromethane	ND	ND	ND	ND	NA	0.5
1,1-Dichloroethane	ND	0.82	1.3	1.4	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	ND	NA	0.5
1,1-Dichloroethene	ND	ND	ND	ND	NA	0.5
cis-1,2-Dichloroethene	ND	ND	1.3	19	NA	0.5
trans-1,2-Dichloroethene	ND	1.1	ND	0.61	NA	0.5
1,2-Dichloropropane	ND	ND	ND	ND	NA	0.5
cis-1,3-Dichloropropene	ND	ND	ND	ND	NA	0.5
trans-1,3-Dichloropropene	ND	ND	ND	ND	NA	0.5
Methylene chloride	ND	ND	ND	ND	NA	0.5
1,1,2,2-Tetrachloroethane	ND	8.7	11	ND	NA	0.5
Tetrachloroethene	ND	ND	ND	3.2	NA	0.5
1,1,1-Trichloroethane	ND	ND	ND	ND	NA	0.5
1,1,2-Trichloroethane	ND	ND	ND	ND	NA	0.5
Trichloroethene	ND	ND	ND	3.0	NA	0.5
Trichlorofluoromethane	ND	ND	ND	ND	NA	0.5
Vinyl Chloride	ND	ND	ND	10	NA	0.5
Surrogate Recoveries (%)						
%SS1:	105	106	103	104		
%SS2:	103	102	104	101		
%SS3:	98	98	100	97		
Comments	i	h,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.

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Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 12/12/05
		Date Received: 12/13/05
5900 Hollis St, Suite A	Client Contact: Matt Meyers	Date Extracted: 12/14/05-12/15/05
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 12/14/05-12/15/05

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0512227

					Reporting Limit for DF =1	
Lab ID	0512227-013B					
Client ID	MW-7A					
Matrix	W				S	W
DF	1					
Compound	**Concentration**				µg/kg	µg/L
Bromodichloromethane	ND				NA	0.5
Bromoform	ND				NA	0.5
Bromomethane	ND				NA	0.5
Carbon Tetrachloride	ND				NA	0.5
Chlorobenzene	ND				NA	0.5
Chloroethane	ND				NA	0.5
2-Chloroethyl Vinyl Ether	ND				NA	1.0
Chloroform	ND				NA	0.5
Chloromethane	ND				NA	0.5
Dibromochloromethane	ND				NA	0.5
1,2-Dichlorobenzene	ND				NA	0.5
1,3-Dichlorobenzene	ND				NA	0.5
1,4-Dichlorobenzene	ND				NA	0.5
Dichlorodifluoromethane	ND				NA	0.5
1,1-Dichloroethane	ND				NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND				NA	0.5
1,1-Dichloroethene	ND				NA	0.5
cis-1,2-Dichloroethene	ND				NA	0.5
trans-1,2-Dichloroethene	ND				NA	0.5
1,2-Dichloropropane	ND				NA	0.5
cis-1,3-Dichloropropene	ND				NA	0.5
trans-1,3-Dichloropropene	ND				NA	0.5
Methylene chloride	ND				NA	0.5
1,1,2,2-Tetrachloroethane	21				NA	0.5
Tetrachloroethene	ND				NA	0.5
1,1,1-Trichloroethane	ND				NA	0.5
1,1,2-Trichloroethane	ND				NA	0.5
Trichloroethene	ND				NA	0.5
Trichlorofluoromethane	ND				NA	0.5
Vinyl Chloride	ND				NA	0.5
Surrogate Recoveries (%)						
%SS1:	105					
%SS2:	105					
%SS3:	105					
Comments	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.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0512227

EPA Method: SW8015C	Extraction: SW3510C			BatchID: 19381		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	86.9	93.3	7.18	N/A	70 - 130
%SS:	N/A	2500	N/A	N/A	N/A	99	107	7.59	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 19381 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512227-001C	12/12/05 2:25 PM	12/13/05	12/15/05 7:13 AM	0512227-002C	12/12/05 1:25 PM	12/13/05	12/15/05 8:21 AM
0512227-003C	12/12/05 2:00 PM	12/13/05	12/14/05 11:15 PM	0512227-004C	12/12/05 12:15 PM	12/13/05	12/14/05 5:31 PM
0512227-005C	12/12/05 11:40 AM	12/13/05	12/17/05 6:37 AM	0512227-006C	12/12/05 10:15 AM	12/13/05	12/14/05 7:49 PM
0512227-007C	12/12/05 10:40 AM	12/13/05	12/14/05 8:57 PM	0512227-008C	12/12/05 11:15 AM	12/13/05	12/14/05 10:07 PM
0512227-009C	12/12/05 3:00 PM	12/13/05	12/14/05 11:15 PM	0512227-010C	12/12/05 12:45 PM	12/13/05	12/15/05 4:48 AM
0512227-011C	12/12/05 12:15 PM	12/13/05	12/15/05 5:57 AM	0512227-012C	12/12/05 11:30 AM	12/13/05	12/15/05 7:05 AM
0512227-013C	12/12/05 11:00 AM	12/13/05	12/17/05 8:53 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 Certification No. 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0512227

EPA Method: SW8260B **Extraction: SW5030B** **BatchID: 19410** **Spiked Sample ID: 0512213-006C**

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	109	106	3.42	109	109	0	70 - 130	70 - 130
1,2-Dichloroethane (1.2-DCA)	ND	10	101	102	0.332	101	101	0	70 - 130	70 - 130
1,1-Dichloroethene	ND	10	83.7	80.1	4.33	83.8	85.5	2.05	70 - 130	70 - 130
Trichloroethene	ND	10	95.4	93.1	2.46	96.7	95.7	1.05	70 - 130	70 - 130
%SS1:	101	10	98	101	2.84	99	99	0	70 - 130	70 - 130
%SS2:	111	10	110	110	0	111	110	1.33	70 - 130	70 - 130
%SS3:	105	10	98	103	4.72	102	104	1.91	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 19410 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512227-001B	12/12/05 2:25 PM	12/14/05	12/14/05 10:44 PM	0512227-002B	12/12/05 1:25 PM	12/14/05	12/14/05 11:30 PM
0512227-003B	12/12/05 2:00 PM	12/15/05	12/15/05 12:16 AM	0512227-004B	12/12/05 12:15 PM	12/15/05	12/15/05 1:04 AM
0512227-005B	12/12/05 11:40 AM	12/15/05	12/15/05 1:50 AM	0512227-006B	12/12/05 10:15 AM	12/15/05	12/15/05 2:37 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

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0512227

EPA Method: SW8021B/8015Cm **Extraction: SW5030B** **BatchID: 19414** **Spiked Sample ID: 0512218-005A**

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
MTBE	ND	10	89.8	91.7	2.12	88.5	87.4	1.17	70 - 130	70 - 130
Benzene	ND	10	92.7	89	4.12	86.5	89.3	3.18	70 - 130	70 - 130
Toluene	ND	10	91.6	91	0.702	87.5	92	5.00	70 - 130	70 - 130
Ethylbenzene	ND	10	93.4	92.7	0.814	89.5	92.5	3.25	70 - 130	70 - 130
Xylenes	ND	30	95.3	95	0.350	90.3	95	5.04	70 - 130	70 - 130
%SS:	101	10	102	97	4.23	100	100	0	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 19414 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512227-001A	12/12/05 2:25 PM	12/15/05	12/15/05 2:15 PM	0512227-002A	12/12/05 1:25 PM	12/14/05	12/14/05 9:59 PM
0512227-003A	12/12/05 2:00 PM	12/14/05	12/14/05 10:29 PM	0512227-004A	12/12/05 12:15 PM	12/14/05	12/14/05 10:59 PM
0512227-005A	12/12/05 11:40 AM	12/15/05	12/15/05 3:15 PM	0512227-006A	12/12/05 10:15 AM	12/14/05	12/14/05 11:28 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 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 SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0512227

EPA Method: SW8021B/8015Cm **Extraction: SW5030B** **BatchID: 19423** **Spiked Sample ID: 0512227-012A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
MTBE	ND	10	89	85.3	4.29	80.6	86.5	6.98	70 - 130	70 - 130
Benzene	ND	10	91.7	88.6	3.45	82.1	89.2	8.32	70 - 130	70 - 130
Toluene	ND	10	91.6	88.2	3.79	84.3	90.7	7.35	70 - 130	70 - 130
Ethylbenzene	ND	10	92.8	90.8	2.19	85.9	91.6	6.42	70 - 130	70 - 130
Xylenes	ND	30	94.3	94	0.354	89.3	94.3	5.44	70 - 130	70 - 130
%SS:	110	10	109	101	7.44	98	103	4.38	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 19423 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512227-007A	12/12/05 10:40 AM	12/15/05	12/15/05 12:57 AM	0512227-008A	12/12/05 11:15 AM	12/15/05	12/15/05 1:56 AM
0512227-009A	12/12/05 3:00 PM	12/15/05	12/15/05 2:26 AM	0512227-010A	12/12/05 12:45 PM	12/15/05	12/15/05 4:15 PM
0512227-011A	12/12/05 12:15 PM	12/15/05	12/15/05 5:14 PM	0512227-012A	12/12/05 11:30 AM	12/15/05	12/15/05 2:55 AM
0512227-013A	12/12/05 11:00 AM	12/17/05	12/17/05 1:37 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
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Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0512227

EPA Method: SW8260B **Extraction: SW5030B** **BatchID: 19424** **Spiked Sample ID: 0512239-003A**

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	LCS / LCSD
Chlorobenzene	ND	10	116	119	2.25	103	105	2.75	70 - 130	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND	10	115	117	2.07	96.2	97.6	1.40	70 - 130	70 - 130
1,1-Dichloroethene	ND	10	92.5	93.8	1.38	80.3	80.5	0.251	70 - 130	70 - 130
Trichloroethene	ND	10	106	107	0.466	93.7	95.3	1.71	70 - 130	70 - 130
%SS1:	109	10	100	100	0	100	97	2.99	70 - 130	70 - 130
%SS2:	91	10	110	111	1.19	110	109	0.662	70 - 130	70 - 130
%SS3:	80	10	100	105	4.77	99	103	4.43	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 19424 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512227-007B	12/12/05 10:40 AM	12/15/05	12/15/05 3:23 AM	0512227-008B	12/12/05 11:15 AM	12/15/05	12/15/05 4:09 AM
0512227-009B	12/12/05 3:00 PM	12/15/05	12/15/05 4:57 AM	0512227-010B	12/12/05 12:45 PM	12/15/05	12/15/05 5:48 AM
0512227-011B	12/12/05 12:15 PM	12/15/05	12/15/05 6:36 AM	0512227-012B	12/12/05 11:30 AM	12/14/05	12/14/05 3:24 PM
0512227-013B	12/12/05 11:00 AM	12/15/05	12/15/05 7:23 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

cetc 0512227

McCAMPBELL ANALYTICAL, INC.

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

CHAIN OF CUSTODY RECORD

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

EDF Required? (Yes) No

Report To: Matt Meyers	Bill To: Cambria Environmental Tech.		
Company: Cambria Environmental Technology			
5900 Hollis Street Suite A			
Emeryville, CA 94608	E-Mail: mmeyers@cambria-env.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			

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	MTBE / BTEX & TPH 8015 (602 / 8021 + 8015)	MTBE / BTEX ONLY (EPA 602 / 8021)	TPH as Diesel (8015)	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	If Mtbe is detected by 8021 confirm by 8260B	HVOCs by 8010	Other	Comments
+1 MW-1A		12-12-05	2:25	2	Amb VOA	X					X	X			X		X											X		
+10 MW-1B		12-12-05	1:25																											
+5 MW-1C		12-12-05	2:00																											
+5 MW-2A		12-13-05	12:15																											
+5 MW-3A		12-13-05	11:40																											
+1 MW-4A		12-13-05	10:15																											
+5 MW-4B		12-13-05	10:40																											
+1 MW-4C		12-13-05	11:15																											
+5 MW-5B		12-12-05	3:00																											
+1 MW-6A		12-12-05	12:45																											
+1 MW-6B		12-12-05	12:15																											
(+) MW-6C		12-12-05	11:30																											
+10 MW-7A		12-12-05	11:00	↓	↓	↓					↓	↓			X		X											X		
✓ TB		12-12-05		1	VOA	↓					X	↓																	HOLD	

Relinquished By:	Date:	Time:	Received By:
	12-13-05	1:35	Jovanita Venegas
Relinquished By:	Date:	Time:	Received By:

ICE/t° _____
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB _____
APPROPRIATE CONTAINERS ✓
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: 0512227 **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: 12/13/2005
Date Printed: 12/13/2005

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0512227-001	MW-1A	Water	12/12/2005	☐	B	A	A	C								
0512227-002	MW-1B	Water	12/12/2005	☐	B	A		C								
0512227-003	MW-1C	Water	12/12/2005	☐	B	A		C								
0512227-004	MW-2A	Water	12/12/2005	☐	B	A		C								
0512227-005	MW-3A	Water	12/12/2005	☐	B	A		C								
0512227-006	MW-4A	Water	12/12/2005	☐	B	A		C								
0512227-007	MW-4B	Water	12/12/2005	☐	B	A		C								
0512227-008	MW-4C	Water	12/12/2005	☐	B	A		C								
0512227-009	MW-5B	Water	12/12/2005	☐	B	A		C								
0512227-010	MW-6A	Water	12/12/2005	☐	B	A		C								
0512227-011	MW-6B	Water	12/12/2005	☐	B	A		C								
0512227-012	MW-6C	Water	12/12/2005	☐	B	A		C								
0512227-013	MW-7A	Water	12/12/2005	☐	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.

Appendix C
Non-Hazardous Waste Manifest

MA COMMUNICATIONS, HAYWARD, CA 377433-CX

NON-HAZARDOUS WASTE MANIFEST

EES19

NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1
	EXEMPT	NH 3745	

3. Generator's Name and Mailing Address: CAMBRIA ENVIRONMENTAL 5900 HOLLIS ST SUITE A, EMERYVILLE CA 94608

4. Generator's Phone: (510) 420-3314

5. Transporter 1 Company Name	6. US EPA ID Number	A. State Transporter's ID
EVERGREEN ENVIRONMENTAL SERVICES	CAD982413262	B. Transporter 1 Phone 510 795-4400
7. Transporter 2 Company Name	8. US EPA ID Number	C. State Transporter's ID
		D. Transporter 2 Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	E. State Facility's ID
EVERGREEN OIL, INC. 6880 Smith Avenue Newark, CA 94560	CAD980887418	F. Facility's Phone 510 795-4400

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit WL/Vol.
a. Non-Hazardous waste, liquid PURGEWATER	2 ~~DOT~~	DM TTMS	110	G
b.				
c.				
d.				

GENERATOR

G. Additional Descriptions for Materials Listed Above: 1128 PURGE 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
SITE: 1137-1167 65TH ST OAKLAND

Invoice: 312458
Sales Order:

NON-HAZARDOUS WASTE

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	Signature	Date Month	Day	Year
Matt Meyers agent for John Nady		01	18	06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Malcolm Smith	Malcolm Smith	01	18	06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

FACIL.

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