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September 6, 2005

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 – Second 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 – Second Quarter 2005.* Presented in this report is a summary of the field activities and a presentation of the results for the second quarter 2005 groundwater monitoring event. In addition, this report contains recommendations for third quarter 2005 activities.
If you have any questions, please feel free to call me at (510) 420-3314.

Sincerely,
Cambria Environmental Technology, Inc.

Matthew A. Meyers
Project Geologist

Attachment: *Groundwater Monitoring Report – Second Quarter 2005*

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

Cambria Environmental Technology, Inc.

5900 Hollis Street
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Emeryville, CA 94608
Tel (510) 420-0700
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GROUNDWATER MONITORING REPORT – SECOND QUARTER 2005

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

September 6, 2005

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:

Matthew A. Meyers
Project 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.

Brandon S. Wilken, P.G.
Project Geologist

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GROUNDWATER MONITORING REPORT – SECOND QUARTER 2005

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

SEPTEMBER 6, 2005

INTRODUCTION

This report describes the second 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 second quarter 2005. In addition, this report contains recommendations for third quarter 2005 activities.

MONITORING ACTIVITIES

On June 15 and 16, 2005, Cambria coordinated with Muskan Environmental Sampling (MES) to perform quarterly groundwater monitoring activities at the site. MES measured groundwater levels and collected groundwater samples from monitoring wells MW-1A through MW-4A, MW-6A, MW-7A, MW-1B, MW-4B, MW-5B, MW-6B, MW-1C, MW-4C, and MW-6C (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 through MW-4A, MW-6A, MW-7A, MW-1B, MW-4B, MW-5B, MW-6B, MW-1C, MW-4C, and MW-6C. Field activities associated with the sampling event included well purging, field water quality measurements, sample collection, and equipment decontamination.

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. The wells were purged by repeated bailing using a new, pre-cleaned, 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 or at regular volume intervals. 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 were within 10 percent. 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. Aromatic hydrocarbon compounds [benzene, toluene, ethylbenzene, total xylenes (BTEX)] and methyl tertiary-butyl ether (MTBE) were quantified 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 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.

RESULTS

Groundwater Flow Direction and Gradient: Depth-to-water measurements collected on June 15, 2005 ranged from 2.33 to 8.60 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 aquifers were each plotted on a site plan and contoured. The groundwater in the A-zone flowed predominantly towards the south-southwest with a gradient of approximately 0.027 feet per foot (ft/ft) (Figure 2). The groundwater in the B-zone flowed towards the southwest with a gradient of approximately 0.021 ft/ft (Figure 3). The groundwater in the C-zone aquifer flowed towards the west-southwest with a gradient of approximately 0.007 ft/ft (Figure 4). The groundwater flow directions and gradients are consistent with the previous quarter's results.

Depth-to-water and groundwater elevation data for the site are summarized in Table 1.

Chemicals Detected in the A-Zone Aquifer: Petroleum hydrocarbons were detected in the A-zone aquifer monitoring wells MW-1A, MW-2A, MW-3A, MW-4A, MW-6A, and MW-7A. The highest TPHd concentration was detected in well MW-7A at 24,000 micrograms per liter (µg/L). The maximum TPHg concentration was detected in well MW-1A at 2,800 µg/L. The maximum TPHss concentration was detected in well MW-7A at 3,900 µg/L. The maximum TPHmo concentration was detected in well MW-2A at 330 µg/L.

No MTBE was detected in the A-zone aquifer. Benzene was detected at 1.0 mg/L in well MW-4A. Toluene was detected in monitoring wells MW-2A and MW-4A at concentrations of 2.9 µg/L and 1.9 µg/L, respectively. Ethylbenzene was detected in monitoring well MW-6A at a concentration of 0.60 µg/L. Xylenes were detected in monitoring wells MW-1A, MW-3A, MW-4A, and MW-6A at concentrations between of 2.1 µg/L and 5.9 µg/L

HVOCs were detected in the A-zone aquifer in monitoring wells MW-1A, MW-3A, MW-4A, MW-6A, and MW-7A. No HVOCs were detected in well MW-2A. Groundwater analytical data is presented in Tables 1 and 2 and summarized on Figure 2. The HVOC detections were as follows:

- Tetrachloroethene (PCE) was detected in monitoring wells MW-1A and MW-4A at concentrations of 62 µg/L and 1.4 µg/L, respectively.
- cis-1,2-Dichloroethene (cis-1,2-DCE) and trichloroethene (TCE) were detected in monitoring well MW-1A at concentrations of 24 µg/L and 19 µg/L, respectively.
- Vinyl chloride, trans-1,2-dichloroethene (trans-1,2-DCE), and 1,1-dichloroethane (1,1-DCA) were detected in wells MW-1A at concentrations of 10 µg/L, 2.4 µg/L, and 3.0 µg/L, respectively, and MW-6A at concentrations of 3.2 µg/L, 2.5 µg/L, and 1.5 µg/L, respectively.
- Chloroethane was detected in well MW-6A at a concentration of 6.9 µg/L.
- 1,2-Dichlorobenzene (1,2-DCB) was detected in monitoring wells MW-1A, MW-3A, MW-6A, and MW-7A at concentrations of 2.6 µg/L, 52 µg/L, 3.3 µg/L, and 1.8 µg/L, respectively.
- 1,3-Dichlorobenzene (1,3-DCB) and 1,4-dichlorobenzene (1,4-DCB) were detected in well MW-3A at concentrations of 1.5 µg/L and 8.3 µg/L, respectively. 1,4-DCB was also detected in well MW-6A at a concentration of 0.60 µg/L.

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Chemicals Detected in the B-Zone Aquifer: TPHd, TPHg, and TPHss were only detected in B-zone aquifer monitoring well MW-6B at concentrations of 1,700 µg/L, 900 µg/L, and 1,300 µg/L, respectively. No TPHmo was detected in the B-zone aquifer. Xylenes were detected in monitoring well MW-6B at a concentration of 1.9 µg/L, and were the only aromatic hydrocarbon compounds detected in the B-zone aquifer.

HVOCs were detected in B-zone aquifer wells MW-1B and MW-6B. Chloroform, cis-1,2-DCE, 1,1-DCA, and 1,2-DCA were detected in well MW-1B at concentrations of 1.3 µg/L, 3.3 µg/L, 8.8 µg/L, and 9.9 µg/L, respectively. 1,2-DCB, 1,1-DCA, and vinyl chloride were detected in well MW-6B at concentrations of 1.4 µg/L, 0.66 µg/L, and 0.55 µg/L, respectively. No HVOCs were detected in wells MW-4B or MW-5B. Groundwater analytical data is summarized in Tables 1 and 2 and presented on Figure 3.

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

HVOCs were only detected in C-zone aquifer monitoring wells MW-6C. PCE, TCE, cis-1,2-DCE, trans-1,2-DCE, 1,1-DCA, and vinyl chloride were detected in the well MW-6C at concentrations of 3.1 µg/L, 3.1 µg/L, 20 µg/L, 0.64 µg/L, 1.4 µg/L, and 5.7 µg/L, respectively. Groundwater analytical data is summarized in Tables 1 and 2 and presented on Figure 4.

RECOMMENDED THIRD QUARTER 2005 ACTIVITIES

Cambria makes the following recommendations:

- Conduct a quarterly groundwater monitoring event during the third quarter 2005. A report detailing the activities and findings of the third quarter 2005 event should be submitted to ACHCSA by November 11, 2005.

- Pending State Water Resources Control Board approval, subsequent groundwater analytical and well gauging data should be uploaded to GeoTracker in compliance with California State Assembly Bill 592.

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: Halogenated Volatile Organic Compounds

Appendix A – Field Data Sheets
Appendix B – Laboratory Analytical Report
Appendix C – Non-Hazardous Waste Manifest

FIGURES

12/19/02

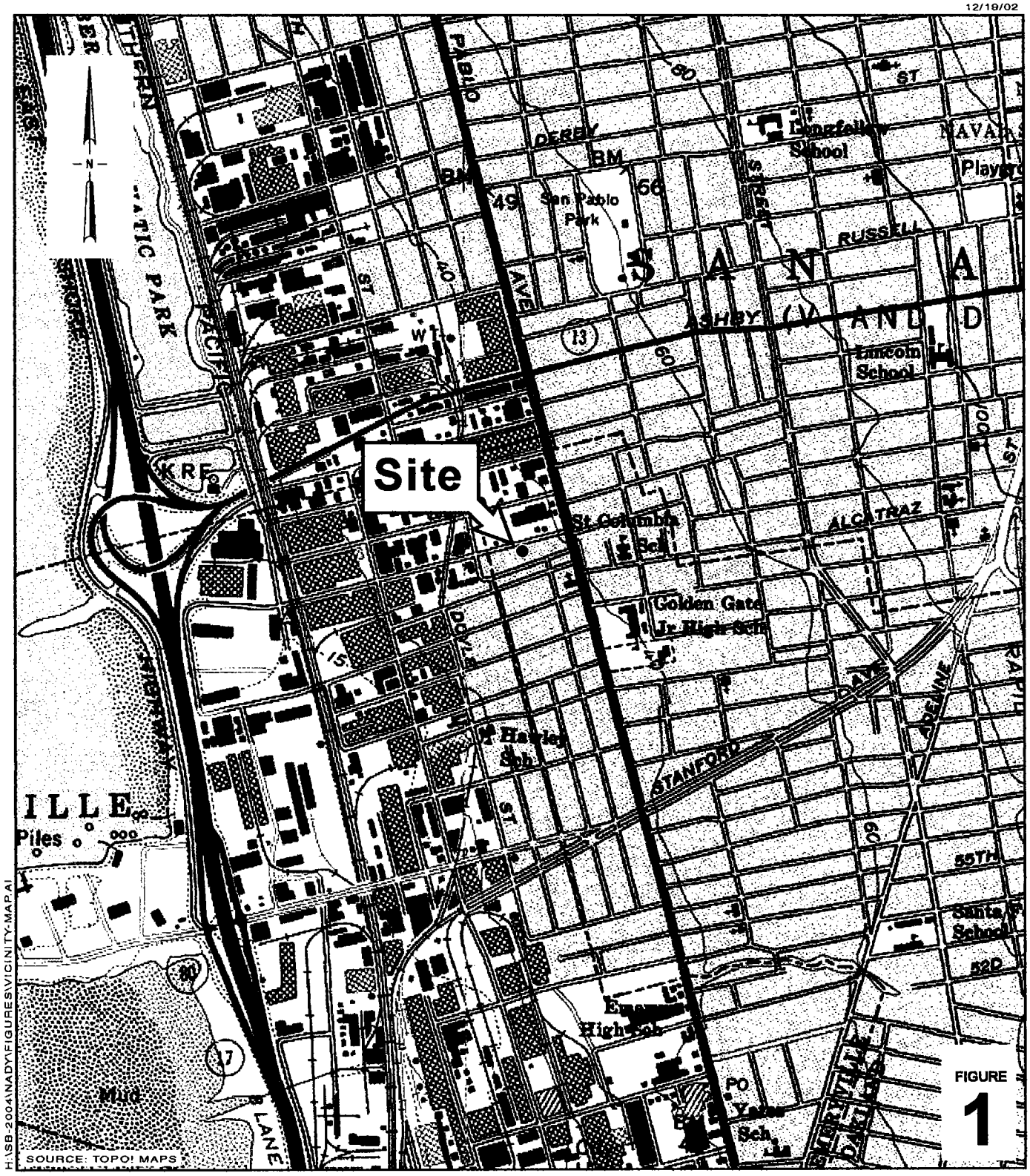

FIGURE 1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Vicinity Map

1137 - 1167 65th Street

Oakland, California

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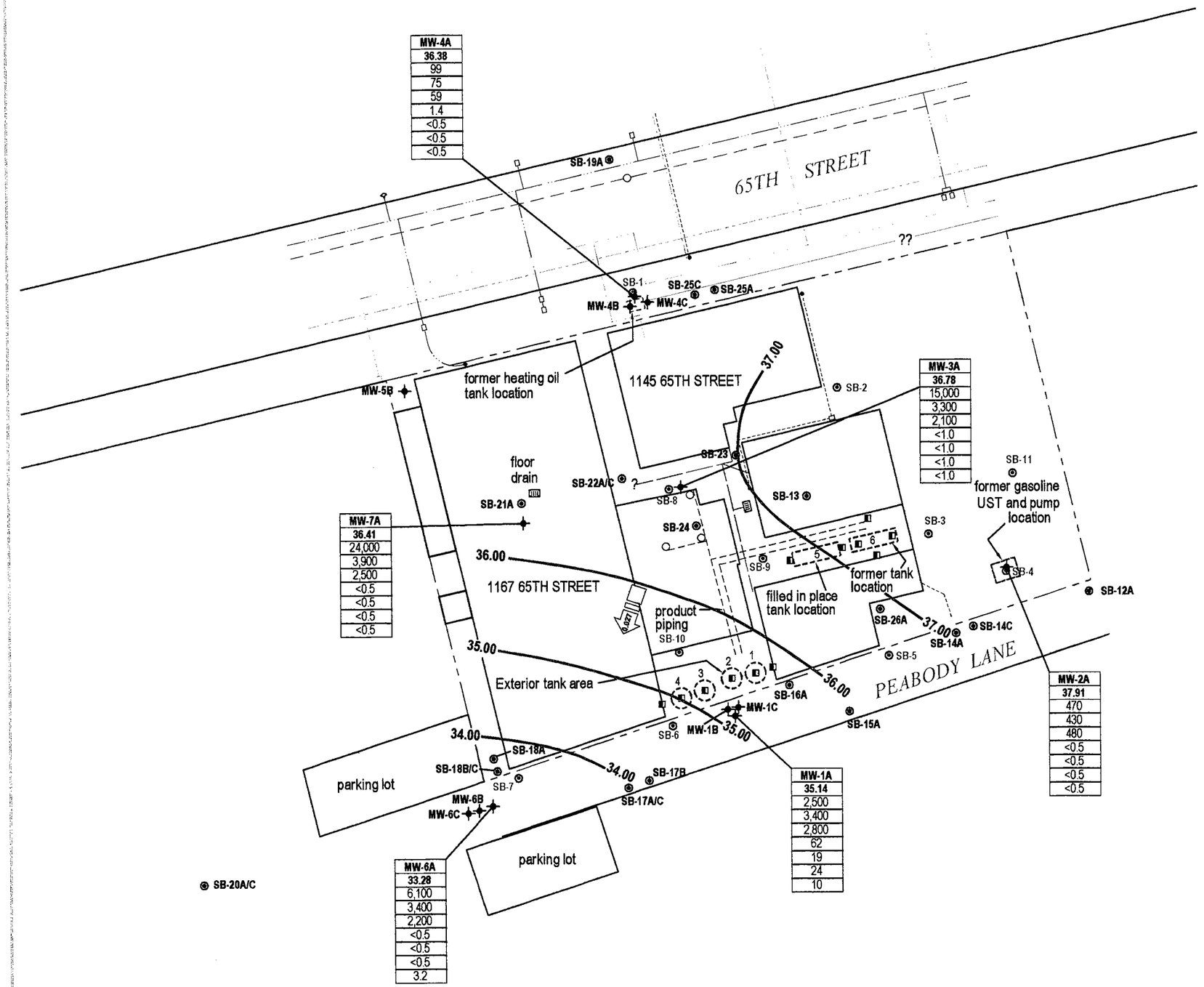
07/21/05

Groundwater Flow and Chemical Concentrations - A Zone

June 15-16, 2005



EXPLANATION

- MW-1A — Monitoring well location
- SB-12 — 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
- 0.027 — 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

N

0 20 40 80

Scale (ft)

FIGURE 2

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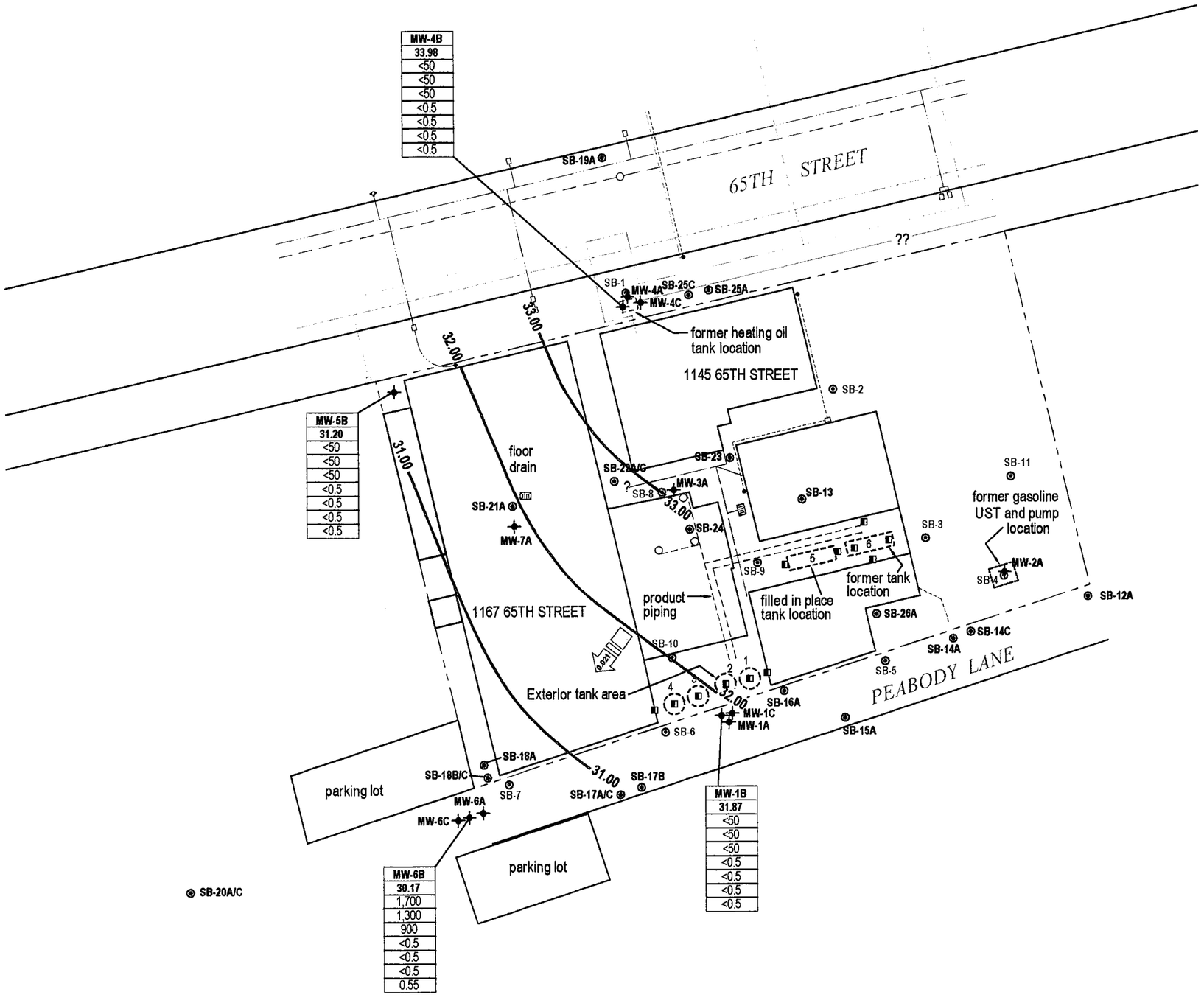
1137 - 1167 65th Street
Oakland, California

H:\NADY\FIGURES\2005\MA-05.DWG

07/21/05

Groundwater Flow and Chemical Concentrations - B Zone

June 15-16, 2005



EXPLANATION

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

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

Monitoring Well Designation

Groundwater elevation in feet above mean sea level (MSL)

Concentrations in groundwater in micrograms per liter

N

0 20 40 80

Scale (ft)

FIGURE 3

CAMBRIA

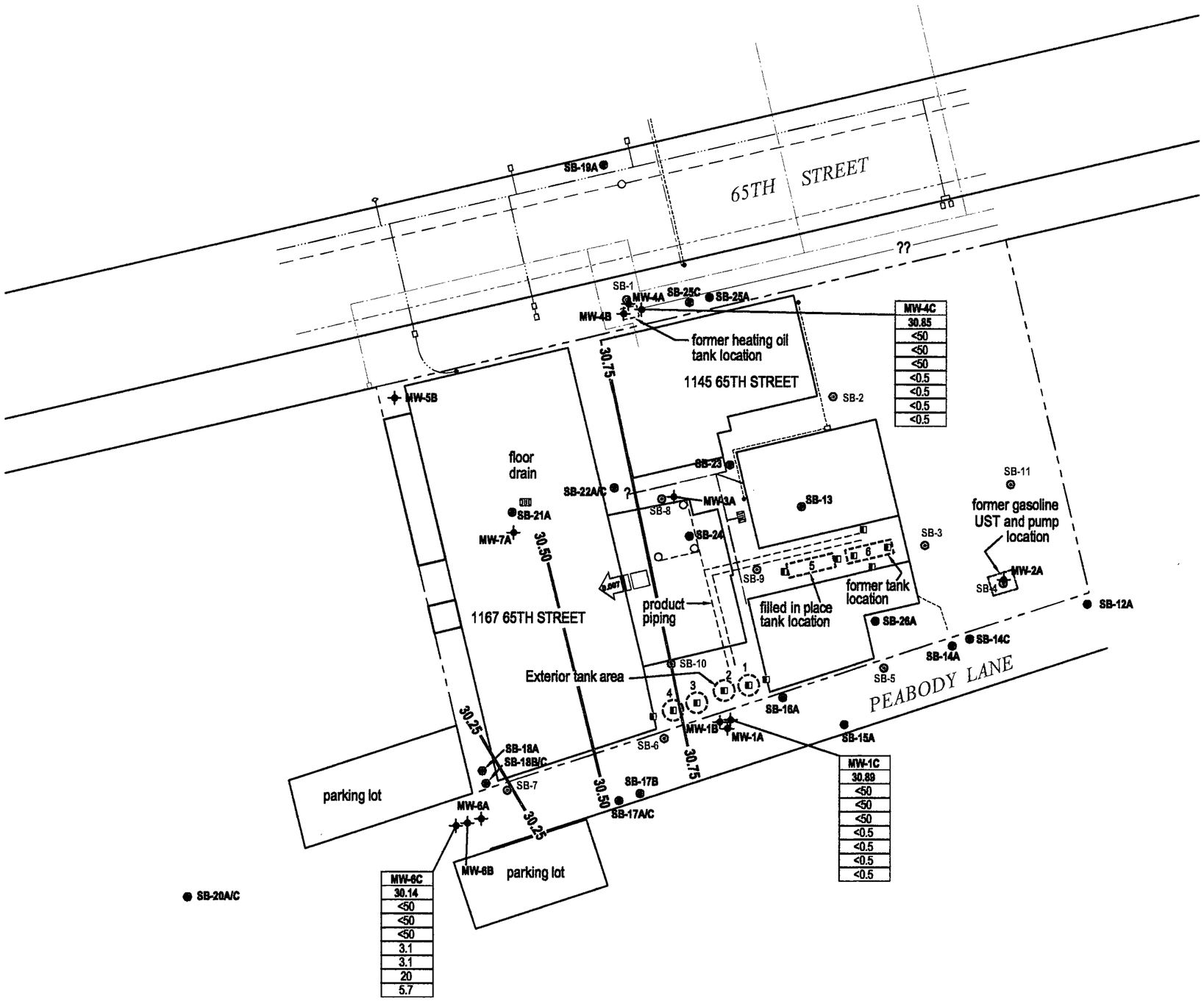
1137 - 1167 65th Street
Oakland, California

H:\NAD\YFIGURES2\GGM\AB-05.DWG

07/13/05

Groundwater Flow and Chemical Concentrations - C Zone

June 15-16, 2005



EXPLANATION

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

N

0 20 40 80

Scale (ft)

FIGURE

4

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1137 - 1167 65th Street
Oakland, California

H:\NAD\VI\FIGURES\3Q05\M-C-05.DWG

TABLES

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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)	(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	
MW-1A	6/3/2004	35.14	4.50	1,300	1,400	260	2,500	<0.5	<0.5	2.0	11	<5.0	
39.64	11/23/2004	36.54	3.10	1,400	2,300	<250	2,800	0.64	<0.5	2.5	9.7	6.8	a,b,c
	3/14/2005	37.02	2.62	3,200	4,800	<250	6,000	0.68	<0.5	2.0	6.8	<5.0	d,e
	6/15/2005	**35.14**	**4.50**	**2,500**	**2,800**	**<250**	**3,400**	**<2.5**	**<2.5**	**<2.5**	**5.9**	**<25**	**a,b,h,i,c**
MW-2A	6/3/2004	36.48	4.24	2,900	1,700	<250	3,500	<0.5	3.5	4.9	5.1	<5.0	
40.72	11/23/2004	37.83	2.89	<50	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	3/14/2005	39.02	1.70	--	--	--	--	--	--	--	--	--	
	3/15/2005	--	--	560	360	450	260	<0.5	2.5	<0.5	<0.5	<5.0	e,d,g,i
	6/15/2005	**37.91**	**2.81**	--	--	--	--	--	--	--	--	--	
	6/16/2005	--	--	**470**	**480**	**330**	**430**	**<0.5**	**2.9**	**<0.5**	**<0.5**	**<5.0**	**a,b,i,g,e**
MW-3A	6/3/2004	36.56	4.32	90,000	4,800	6,000	12,000	<5.0	<5.0	<5.0	<5.0	<50	
40.88	11/23/2004	37.89	2.99	22,000	3,800	<2,500	5,700	<5.0	<5.0	<5.0	<5.0	<50	a,c,d
	3/14/2005	37.28	3.60	--	--	--	--	--	--	--	--	--	
	3/15/2005	--	--	37,000	2,400	<2,500	3,500	<1.7	<1.7	<1.7	<1.7	<17	e,d,i
	6/15/2005	**36.78**	**4.10**	--	--	--	--	--	--	--	--	--	
	6/16/2005	--	--	**15,000**	**2,100**	**<1,200**	**3,300**	**<1.7**	**<1.7**	**<1.7**	**2.4**	**<17**	**a,c,d,h,i**
MW-4A	6/3/2004	36.26	2.45	270	<50	440	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
38.71	11/23/2004	37.13	1.58	73	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<5.0	d
	3/14/2005	36.66	2.05	--	--	--	--	--	--	--	--	--	
	3/15/2005	--	--	210	<50	300	<50	0.91	1.7	<0.5	1.9	<5.0	g,d,f,i
	6/15/2005	**36.38**	**2.33**	--	--	--	--	--	--	--	--	--	
	6/16/2005	--	--	**99**	**59**	**<250**	**75**	**1.0**	**1.9**	**<0.5**	**2.1**	**<5.0**	**j,d,f**
MW-6A	6/3/2004	31.98	6.00	3,500	970	340	2,400	<0.5	<0.5	<0.5	2.1	<5.0	
37.98	11/23/2004	33.13	4.85	1,400	1,900	<250	3,000	<0.5	<0.5	<0.5	3.0	<5.0	a,c
	3/14/2005	35.03	2.95	5,900	2,900	<250	2,600	<5.0	<5.0	<5.0	<5.0	<50	e,d,i
	6/15/2005	**33.28**	**4.70**	**6,100**	**2,200**	**<250**	**3,400**	**<0.5**	**<0.5**	**0.60**	**4.4**	**<10**	**a,i,c,d**

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

Well ID *TOC* *(ft*)*	Date Sampled	Groundwater Elevation (ft)	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	
MW-7A	6/3/2004	36.08	4.50	--	3,900	--	9,900	<5.0	<5.0	<5.0	6.6	<50	
40.58	11/23/2004	--	--	--	--	--	--	--	--	--	--	--	
	3/14/2005	37.03	3.55	14,000	3,900	620	3,700	<5.0	<5.0	<5.0	<5.0	<50	c,d,h
	6/15/2005	**36.41**	**4.17**	**24,000**	**2,500**	**<1,200**	**3,900**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<50**	**a,c,d,h,i**
MW-1B	6/3/2004	25.10	14.40	<50	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
39.50	11/23/2004	26.24	13.26	<50	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	3/14/2005	33.97	5.53	52	<50	<250	<50	0.60	<0.5	<0.5	<0.5	<5.0	d,i
	6/15/2005	**31.87**	**7.63**	**<50**	**<50**	**<250**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**i**
MW-4B	6/3/2004	33.52	5.02	<50	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
38.54	11/23/2004	34.65	3.89	<50	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	3/14/2005	34.78	3.76	--	--	--	--	--	--	--	--	--	
	3/15/2005	--	--	<50	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<5.0	i
	6/15/2005	**33.98**	**4.56**	--	--	--	--	--	--	--	--	--	
	6/16/2005	--	--	**<50**	**<50**	**<250**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**i**
MW-5B	6/3/2004	30.16	8.82	<50	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
38.98	11/23/2004	31.32	7.66	<50	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	3/14/2005	32.71	6.27	--	--	--	--	--	--	--	--	--	
	3/15/2005	--	--	<50	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<5.0	i
	6/15/2005	**31.20**	**7.78**	**<50**	**<50**	**<250**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**i**
MW-6B	6/3/2004	29.36	8.30	2,300	1,100	<250	2,900	<0.5	<0.5	<0.5	1.4	<5.0	
37.66	11/23/2004	30.53	7.13	280	500	<250	700	<0.5	<0.5	<0.5	1.6	<5.0	a,c
	3/14/2005	31.86	5.80	5,200	1,300	340	1,200	<0.5	<0.5	<0.5	<0.5	<5.0	c,d,i
	6/15/2005	**30.17**	**7.49**	**1,700**	**900**	**<250**	**1,300**	**<0.5**	**<0.5**	**<0.5**	**1.9**	**<5.0**	**a,c**

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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)	(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	
MW-1C	6/3/2004	30.07	9.42	<50	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
39.49	11/23/2004	31.30	8.19	<50	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	3/14/2005	32.58	6.91	<50	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<5.0	f
	6/15/2005	**30.89**	**8.60**	**<50**	**<50**	**<250**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	
MW-4C	6/3/2004	30.10	8.40	<50	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
38.50	11/23/2004	31.31	7.19	<50	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	3/14/2005	33.15	5.35	--	--	--	--	--	--	--	--	--	
	3/15/2005	--	--	<50	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<5.0	i
	6/15/2005	**30.85**	**7.65**	--	--	--	--	--	--	--	--	--	
	6/16/2005	--	--	**<50**	**<50**	**<250**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	
MW-6C	6/3/2004	27.89	9.70	240	160	<250	340	<0.5	<0.5	<0.5	1.1	<5.0	
37.59	11/23/2004	29.21	8.38	<50	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	3/14/2005	31.79	5.80	60	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<5.0	d
	6/15/2005	**30.14**	**7.45**	**<50**	**<50**	**<250**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	

Abbreviations:

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

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

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

CAMBRIA

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

Well ID *TOC* *(ft*)*	Date Sampled	Groundwater Elevation (ft)	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-1A	6/3/2004	35.14	4.50	<2.5	<2.5	<2.5	55	16	<2.5	36	<2.5	<2.5	<2.5	6.3	
39.64	11/23/2004	36.54	3.10	<1.0	<1.0	<1.0	38	11	<1.0	51	2.4	2.8	<1.0	9.5	
	3/14/2005	37.02	2.62	<1.0	<1.0	<1.0	42	12	2.0	32	2.2	2.4	<1.0	8.0	
	6/15/2005	**35.14**	**4.50**	**<1.0**	**<1.0**	**<1.0**	**62**	**19**	**2.6**	**24**	**2.4**	**3.0**	**<1.0**	**10**	**h,i**
MW-2A	6/3/2004	36.48	4.24	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
40.72	11/23/2004	37.83	2.89	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
	3/14/2005	39.02	1.70	--	--	--	--	--	--	--	--	--	--	--	
	3/15/2005	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	i
	6/15/2005	**37.91**	**2.81**	--	--	--	--	--	--	--	--	--	--	--	
	6/16/2005	--	--	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**i**
MW-3A	6/3/2004	36.56	4.32	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	a
40.88	11/23/2004	37.89	2.99	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	3/14/2005	37.28	3.60	--	--	--	--	--	--	--	--	--	--	--	
	3/15/2005	--	--	<1.0	<1.0	<1.0	<1.0	<1.0	43	<1.0	<1.0	<1.0	<1.0	<1.0	j, i, 1,3-dichlorobenzene (1.2), 1,4-dichlorobenzene (5.7)
	6/15/2005	**36.78**	**4.10**	--	--	--	--	--	--	--	--	--	--	--	
	6/16/2005	--	--	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**52**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**h,i, 1,3-dichlorobenzene (1.5), 1,4-dichlorobenzene (8.3)**
MW-4A	6/3/2004	36.26	2.45	<0.5	<0.5	<0.5	1.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
38.71	11/23/2004	37.13	1.58	<0.5	<0.5	<0.5	1.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
	3/14/2005	36.66	2.05	--	--	--	--	--	--	--	--	--	--	--	
	3/15/2005	--	--	<0.5	<0.5	<0.5	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	i
	6/15/2005	**36.38**	**2.33**	--	--	--	--	--	--	--	--	--	--	--	
	6/16/2005	--	--	**<0.5**	**<0.5**	**<0.5**	**1.4**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	
MW-6A	6/3/2004	31.98	6.00	4.7	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.8	2.1	<0.5	6.7	
37.98	11/23/2004	33.13	4.85	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
	3/14/2005	35.03	2.95	0.61	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	i
	6/15/2005	**33.28**	**4.70**	**6.9**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**3.3**	**<0.5**	**2.5**	**1.5**	**<0.5**	**3.2**	**i, 1,4-dichlorobenzene (0.60)**
MW-7A	6/3/2004	36.08	4.50	<0.5	<0.5	<0.5	<0.5	<0.5	2.0	<0.5	<0.5	<0.5	<0.5	<0.5	
40.58	11/23/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	
	3/14/2005	37.03	3.55	<0.5	<0.5	<0.5	<0.5	<0.5	2.6	<0.5	<0.5	<0.5	<0.5	<0.5	h
	6/15/2005	**36.41**	**4.17**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**1.8**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**h,i**

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

Well ID	Date	Groundwater	Depth											
TOC	Sampled	Elevation	to Water	Chloroethane	Chloroform	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Trichloroethene	1,2-Dichlorobenzene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethane	1,2-Dichloroethane	Vinyl Chloride	Notes
(ft*)		(ft)	(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-1B	6/3/2004	25.10	14.40	<0.5	8.3	<0.5	<0.5	<0.5	<0.5	3.9	<0.5	8.1	7.9	<0.5	
39.50	11/23/2004	26.24	13.26	<0.5	6.2	<0.5	<0.5	<0.5	<0.5	2.5	<0.5	8.4	8.8	<0.5	
	3/14/2005	33.97	5.53	1.1	1.9	<0.5	<0.5	<0.5	<0.5	3.8	<0.5	5.2	12	<0.5	i
	6/15/2005	**31.87**	**7.63**	**<0.5**	**1.3**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**3.3**	**<0.5**	**8.8**	**9.9**	**<0.5**	**i**
MW-4B	6/3/2004	33.52	5.02	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
38.54	11/23/2004	34.65	3.89	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
	3/14/2005	34.78	3.76	--	--	--	--	--	--	--	--	--	--	--	
	3/15/2005	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	i
	6/15/2005	**33.98**	**4.56**	--	--	--	--	--	--	--	--	--	--	--	
	6/16/2005	--	--	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**i**
MW-5B	6/3/2004	30.16	8.82	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
38.98	11/23/2004	31.32	7.66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
	3/14/2005	32.71	6.27	--	--	--	--	--	--	--	--	--	--	--	
	3/15/2005	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	i
	6/15/2005	**31.20**	**7.78**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**i**
MW-6B	6/3/2004	29.36	8.30	0.65	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
37.66	11/23/2004	30.53	7.13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.89	<0.5	<0.5	
	3/14/2005	31.86	5.80	<0.5	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	<0.5	<0.5	<0.5	3.5	i
	6/15/2005	**30.17**	**7.49**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**1.4**	**<0.5**	**<0.5**	**0.66**	**<0.5**	**0.55**	
MW-1C	6/3/2004	30.07	9.42	<0.5	0.57	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
39.49	11/23/2004	31.30	8.19	<0.5	0.56	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
	3/14/2005	32.58	6.91	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	i
	6/15/2005	**30.89**	**8.60**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	
MW-4C	6/3/2004	30.10	8.40	<0.5	0.84	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
38.50	11/23/2004	31.31	7.19	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
	3/14/2005	33.15	5.35	--	--	--	--	--	--	--	--	--	--	--	
	3/15/2005	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	i
	6/15/2005	**30.85**	**7.65**	--	--	--	--	--	--	--	--	--	--	--	
	6/16/2005	--	--	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	

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)	(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-6C	6/3/2004	27.89	9.70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.8	<0.5	0.61	<0.5	<0.5	
37.59	11/23/2004	29.21	8.38	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
	3/14/2005	31.79	5.80	<0.5	<0.5	<0.5	1.8	1.9	<0.5	12	<0.5	1.1	<0.5	2.3	
	6/15/2005	**30.14**	**7.45**	**<0.5**	**<0.5**	**<0.5**	**3.1**	**3.1**	**<0.5**	**20**	**0.64**	**1.4**	**<0.5**	**5.7**	

Abbreviations:

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

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 Environments Concerns at Site 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 Sheets

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL GAUGING SHEET

Client: Cambria Environmental Technology Inc.

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

Date: 6/15/2005 **Signature:**

Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-1A	7:35		4.50		14.39	
MW-1B	6:50		7.63		19.74	
MW-1C	6:55		8.60		34.52	
MW-2A	7:00		2.81		11.13	
MW-3A	7:45		4.10		13.95	
MW-4A	7:05		2.33		12.67	
MW-4B	7:10		4.56		20.77	
MW-4C	7:15		7.65		32.01	
MW-5B	7:20		7.78		23.04	
MW-6A	7:40		4.70		14.40	
MW-6B	7:30		7.49		21.98	

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL GAUGING SHEET

Client: Cambria Environmental Technology Inc.

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

Date: 6/15/2005 **Signature:**

Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-6C	7:25		7.45		33.81	
MW-7A	1:00		4.17		10.00	

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	6/15/2005
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:	14.39	**Fe=**	**mg/L**
Depth to Water:	4.50	**ORP=**	**mV**
Water Column Height:	9.89	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	1.58		
3 Casing Volumes (gal):	4.75		

COMMENTS:
Turbid

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
9:45	1.6	24.5	7.18	429
9:50	3.2	24.3	7.14	462
9:55	4.7	24.3	7.13	455

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-1A	6/15/2005	10:00	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, MTBE, TPHd/mo, HVOCs	8015, 8020, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	6/15/2005
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:	19.74	**Fe=**	**mg/L**
Depth to Water:	7.63	**ORP=**	**mV**
Water Column Height:	12.11	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	1.94		
3 Casing Volumes (gal):	5.81		

COMMENTS:
Turbid

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
8:55	1.9	25.1	7.16	629
9:00	3.9	24.7	7.12	680
9:05	5.8	24.8	7.14	674

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-1B	6/15/2005	9:10	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, MTBE, TPHd/mo, HVOCs	8015, 8020, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	6/15/2005
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:	34.52	**Fe=**	**mg/L**
Depth to Water:	8.60	**ORP=**	**mV**
Water Column Height:	25.92	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	4.15	**COMMENTS:** Turbid	
3 Casing Volumes (gal):	12.44		

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
8:15	4.1	25.3	6.98	520
8:20	8.3	25.3	7.02	541
8:25	12.4	25.2	7.04	569

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-1C	6/15/2005	8:30	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, MTBE, TPHd/mo, HVOCs	8015, 8020, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	6/15/2005
Client:	Cambria Environmental Technology Inc.
Site Address:	1137-1167 65th Street Oakland, CA
Well ID:	MW-2A
Well Diameter:	4"
Purging Device:	4" PVC Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	11.13	**Fe=**	**mg/L**
Depth to Water:	2.81	**ORP=**	**mV**
Water Column Height:	8.32	**DO=**	**mg/L**
Gallons/ft:	0.65		
1 Casing Volume (gal):	5.41	**COMMENTS:**	
3 Casing Volumes (gal):	16.22		

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
7:30	5.4	23.9	6.83	499
7:35	10.8	24.1	6.85	523
7:40	16.2	24.2	6.86	540

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-2A	6/16/2005	7:45	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, MTBE, TPHd/mo, HVOCs	8015, 8020, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	6/15/2005
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:	13.95	**Fe=**	**mg/L**
Depth to Water:	4.10	**ORP=**	**mV**
Water Column Height:	9.85	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	1.58		
3 Casing Volumes (gal):	4.73		

COMMENTS:
Very turbid

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
8:15	1.6	24.4	7.01	598
8:20	3.2	24.6	6.98	560
8:25	4.7	24.6	7.00	572

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-3A	6/16/2005	8:30	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, MTBE, TPHd/mo, HVOCs	8015, 8020, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	6/15/2005
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:	12.67	**Fe=**	**mg/L**
Depth to Water:	2.33	**ORP=**	**mV**
Water Column Height:	10.34	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	1.65		
3 Casing Volumes (gal):	4.96		

COMMENTS:
Very turbid

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
7:00	1.7	23.7	6.81	510
7:05	3.3	23.9	6.79	497
7:10	5.0	24.0	6.83	490

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-4A	6/16/2005	7:15	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, MTBE, TPHd/mo, HVOCs	8015, 8020, 8010

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	6/15/2005
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:	20.77	**Fe=**	**mg/L**
Depth to Water:	4.56	**ORP=**	**mV**
Water Column Height:	16.21	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	2.59		
3 Casing Volumes (gal):	7.78		

COMMENTS:
Very turbid

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
6:25	2.6	23.7	7.02	437
6:30	5.2	23.8	6.95	470
6:35	7.8	23.9	6.99	458

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-4B	6/16/2005	6:40	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, MTBE, TPHd/mo, HVOCs	8015, 8020, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	6/15/2005
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:	32.01	**Fe=**	**mg/L**
Depth to Water:	7.65	**ORP=**	**mV**
Water Column Height:	24.36	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	3.90		
3 Casing Volumes (gal):	11.69		

COMMENTS:
Turbid

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
5:45	3.9	23.9	7.01	610
5:50	7.8	24.2	6.97	627
5:55	11.7	24.0	6.99	643

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-4C	6/16/2005	6:00	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, MTBE, TPHd/mo, HVOCs	8015, 8020, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	6/15/2005
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:	23.04	**Fe=**	**mg/L**
Depth to Water:	7.78	**ORP=**	**mV**
Water Column Height:	15.26	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	2.44	**COMMENTS:**	
3 Casing Volumes (gal):	7.32		

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
2:00	2.4	25.7	7.03	628
2:05	4.9	25.9	7.08	599
2:10	7.3	25.9	7.10	603

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-5B	6/15/2005	2:15	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, MTBE, TPHd/mo, HVOCs	8015, 8020, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	6/15/2005
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:	14.40	**Fe=**	**mg/L**
Depth to Water:	4.70	**ORP=**	**mV**
Water Column Height:	9.70	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	1.55		
3 Casing Volumes (gal):	4.66		

COMMENTS:
Very turbid, slight sheen

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
12:00	1.6	24.9	7.05	617
12:05	3.1	25.4	7.09	639
12:10	4.7	25.3	7.11	645

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

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	6/15/2005
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:	21.98	**Fe=**	**mg/L**
Depth to Water:	7.49	**ORP=**	**mV**
Water Column Height:	14.49	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	2.32		
3 Casing Volumes (gal):	6.96		

COMMENTS:
Very turbid, slight sheen

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
11:15	2.3	24.9	7.25	629
11:20	4.6	24.7	7.29	655
11:25	7.0	24.6	7.31	658

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-6B	6/15/2005	11:30	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, MTBE, TPHd/mo, HVOCs	8015, 8020, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	6/15/2005
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:	33.81	**Fe=**	**mg/L**
Depth to Water:	7.45	**ORP=**	**mV**
Water Column Height:	26.36	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	4.22		
3 Casing Volumes (gal):	12.65		

COMMENTS:
Turbid

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
10:40	4.2	24.7	7.32	520
10:45	8.4	25.0	7.28	541
10:50	12.7	25.1	7.27	535

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-6C	6/15/2005	10:55	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, MTBE, TPHd/mo, HVOCs	8015, 8020, 8010
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	6/15/2005
Client:	Cambria Environmental Technology Inc.
Site Address:	1137-1167 65th Street Oakland, CA
Well ID:	MW-7A
Well Diameter:	2"
Purging Device:	Disposable Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	10.00	**Fe=**	**mg/L**
Depth to Water:	4.17	**ORP=**	**mV**
Water Column Height:	5.83	**DO=**	**mg/L**
Gallons/ft:	0.04		
1 Casing Volume (gal):	0.23		
3 Casing Volumes (gal):	0.70		

COMMENTS:
Turbid

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
1:15	0.2	23.9	7.13	429
1:20	0.5	23.5	7.20	445
1:25	0.7	23.7	7.17	438

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-7A	6/15/2005	1:30	Voa, Amber	HCl, ICE	TPHg/ss, BTEX, MTBE, TPHd/mo, HVOCs	8015, 8020, 8010
				Signature:		

APPENDIX B

Laboratory Analytical Report

McCampbell Analytical, Inc.

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

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #522-1000; Nady Systems	Date Sampled: 06/15/05
		Date Received: 06/16/05
	Client Contact: Matt Meyers	Date Reported: 06/23/05
	Client P.O.:	Date Completed: 06/23/05

WorkOrder: 0506310

June 23, 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.

Yours truly,

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: 06/15/05-06/16/05
5900 Hollis St, Suite A		Date Received: 06/16/05
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 06/18/05-06/21/05
	Client P.O.:	Date Analyzed: 06/18/05-06/21/05

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

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0506310

Lab ID	0506310-001A	0506310-002A	0506310-003A	0506310-004A	Reporting Limit for DF =1	
Client ID	MW-1A	MW-1B	MW-1C	MW-2A		
Matrix	W	W	W	W		
DF	5	1	1	1	S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(g)	2800	ND	ND	480	NA	50
TPH(ss)	3400	ND	ND	430	NA	50
MTBE	ND<25	ND	ND	ND	NA	5.0
Benzene	ND<2.5	ND	ND	ND	NA	0.5
Toluene	ND<2.5	ND	ND	2.9	NA	0.5
Ethylbenzene	ND<2.5	ND	ND	ND	NA	0.5
Xylenes	5.9	ND	ND	ND	NA	0.5
Surrogate Recoveries (%)						
%SS:	118	113	104	93		
Comments	e,m,h,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: 06/15/05-06/16/05
5900 Hollis St, Suite A		Date Received: 06/16/05
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 06/18/05-06/21/05
	Client P.O.:	Date Analyzed: 06/18/05-06/21/05

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

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0506310

Lab ID	0506310-005A	0506310-006A	0506310-007A	0506310-008A	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)	2100	59	ND	ND	NA	50
TPH(ss)	3300	75	ND	ND	NA	50
MTBE	ND<17	ND	ND	ND	NA	5.0
Benzene	ND<1.7	1.0	ND	ND	NA	0.5
Toluene	ND<1.7	1.9	ND	ND	NA	0.5
Ethylbenzene	ND<1.7	ND	ND	ND	NA	0.5
Xylenes	2.4	2.1	ND	ND	NA	0.5
Surrogate Recoveries (%)						
%SS:	97	108	105	103		
Comments	e,h,i	a	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: 06/15/05-06/16/05
5900 Hollis St, Suite A		Date Received: 06/16/05
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 06/18/05-06/21/05
	Client P.O.:	Date Analyzed: 06/18/05-06/21/05

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

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0506310

Lab ID	0506310-009A	0506310-010A	0506310-011A	0506310-012A	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	2200	900	ND	NA	50
TPH(ss)	ND	3400	1300	ND	NA	50
MTBE	ND	ND<10	ND	ND	NA	5.0
Benzene	ND	ND	ND	ND	NA	0.5
Toluene	ND	ND	ND	ND	NA	0.5
Ethylbenzene	ND	0.60	ND	ND	NA	0.5
Xylenes	ND	4.4	1.9	ND	NA	0.5
Surrogate Recoveries (%)						
%SS:	105	118	90	114		
Comments	i	e,i	e			

* 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 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #522-1000; Nady Systems	Date Sampled: 06/15/05-06/16/05
		Date Received: 06/16/05
	Client Contact: Matt Meyers	Date Extracted: 06/18/05-06/21/05
	Client P.O.:	Date Analyzed: 06/18/05-06/21/05

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

Extraction Method: SW5030B | Analytical Method: SW8021B/8015Cm | Work Order: 0506310

					Reporting Limit for DF =1	
Lab ID	0506310-013A					
Client ID	MW-7A					
Matrix	W					
DF	10				S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(g)	2500				NA	50
TPH(ss)	3900				NA	50
MTBE	ND<50				NA	5.0
Benzene	ND<5.0				NA	0.5
Toluene	ND<5.0				NA	0.5
Ethylbenzene	ND<5.0				NA	0.5
Xylenes	ND<5.0				NA	0.5
Surrogate Recoveries (%)						
%SS:	91					
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

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 06/15/05-06/16/05
5900 Hollis St, Suite A		Date Received: 06/16/05
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 06/16/05
	Client P.O.:	Date Analyzed: 06/17/05-06/21/05

Diesel Range (C10-C23) Motor Oil Range (C18+) Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3510C Analytical methods: SW8015C Work Order: 0506310

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0506310-001B	MW-1A	W	2500,n,h,i	ND	1	98.0
0506310-002B	MW-1B	W	ND,i	ND	1	107
0506310-003B	MW-1C	W	ND	ND	1	93.0
0506310-004B	MW-2A	W	470,d,g,i	330	1	111
0506310-005B	MW-3A	W	15,000,n,b,h,i	ND<1200	5	105
0506310-006B	MW-4A	W	99,b,f	ND	1	103
0506310-007B	MW-4B	W	ND,i	ND	1	100
0506310-008B	MW-4C	W	ND	ND	1	91.0
0506310-009B	MW-5B	W	ND,i	ND	1	89.0
0506310-010B	MW-6A	W	6100,n,b,i	ND	1	84.0
0506310-011B	MW-6B	W	1700,n	ND	1	93.0
0506310-012B	MW-6C	W	ND	ND	1	90.0
0506310-013B	MW-7A	W	24,000,n,b,h,i	ND<1200	5	116

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	250	µg/L
	S	NA	NA	mg/Kg

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

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+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; 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.

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Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 06/15/05-06/16/05
5900 Hollis St, Suite A		Date Received: 06/16/05
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 06/18/05
	Client P.O.:	Date Analyzed: 06/18/05

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0506310

Lab ID	0506310-001C	0506310-002C	0506310-003C	0506310-004C	Reporting Limit for DF =1	
Client ID	MW-1A	MW-1B	MW-1C	MW-2A		
Matrix	W	W	W	W		
DF	2	1	1	1	S	W
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	1.3	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	2.6	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	3.0	8.8	ND	ND	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<1.0	9.9	ND	ND	NA	0.5
1,1-Dichloroethene	ND<1.0	ND	ND	ND	NA	0.5
cis-1,2-Dichloroethene	24	3.3	ND	ND	NA	0.5
trans-1,2-Dichloroethene	2.4	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	ND<1.0	ND	ND	ND	NA	0.5
Tetrachloroethene	62	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	19	ND	ND	ND	NA	0.5
Trichlorofluoromethane	ND<1.0	ND	ND	ND	NA	0.5
Vinyl Chloride	10	ND	ND	ND	NA	0.5
Surrogate Recoveries (%)						
%SS1:	97	110	110	100		
%SS2:	93	107	105	98		
%SS3:	88	107	101	96		
Comments	h,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: 06/15/05-06/16/05
5900 Hollis St, Suite A		Date Received: 06/16/05
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 06/18/05
	Client P.O.:	Date Analyzed: 06/18/05

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0506310

Lab ID	0506310-005C	0506310-006C	0506310-007C	0506310-008C	Reporting Limit for DF =1	
Client ID	MW-3A	MW-4A	MW-4B	MW-4C		
Matrix	W	W	W	W		
DF	2	1	1	1	S	W
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	52	ND	ND	ND	NA	0.5
1,3-Dichlorobenzene	1.5	ND	ND	ND	NA	0.5
1,4-Dichlorobenzene	8.3	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	ND<1.0	ND	ND	ND	NA	0.5
Tetrachloroethene	ND<1.0	1.4	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:	107	108	111	107		
%SS2:	101	108	106	106		
%SS3:	101	107	108	102		
Comments	h,i		i			

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

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

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

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

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Cambria Env. Technology	Client Project ID: #522-1000; Nady Systems	Date Sampled: 06/15/05-06/16/05
5900 Hollis St, Suite A		Date Received: 06/16/05
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 06/18/05
	Client P.O.:	Date Analyzed: 06/18/05

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0506310

Lab ID	0506310-009C	0506310-010C	0506310-011C	0506310-012C	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**				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	6.9	ND	ND	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	3.3	1.4	ND	NA	0.5
1,3-Dichlorobenzene	ND	ND	ND	ND	NA	0.5
1,4-Dichlorobenzene	ND	0.60	ND	ND	NA	0.5
Dichlorodifluoromethane	ND	ND	ND	ND	NA	0.5
1,1-Dichloroethane	ND	1.5	0.66	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	ND	20	NA	0.5
trans-1,2-Dichloroethene	ND	2.5	ND	0.64	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	ND	ND	ND	NA	0.5
Tetrachloroethene	ND	ND	ND	3.1	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	3.1	NA	0.5
Trichlorofluoromethane	ND	ND	ND	ND	NA	0.5
Vinyl Chloride	ND	3.2	0.55	5.7	NA	0.5
Surrogate Recoveries (%)						
%SS1:	107	102	101	106		
%SS2:	102	86	106	106		
%SS3:	98	113	112	105		
Comments	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: 06/15/05-06/16/05
5900 Hollis St, Suite A		Date Received: 06/16/05
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 06/18/05
	Client P.O.:	Date Analyzed: 06/18/05

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0506310

					Reporting Limit for DF =1	
Lab ID	0506310-013C					
Client ID	MW-7A					
Matrix	W					
DF	1				S	W
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	1.8				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	ND				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:	106					
%SS2:	105					
%SS3:	109					
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 SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0506310

EPA Method: SW8021B/8015Cm **Extraction: SW5030B** **BatchID: 16675** **Spiked Sample ID: 0506304-007A**

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	109	109	0	116	115	0.783	70 - 130	70 - 130
Benzene	ND	10	105	104	1.26	106	106	0	70 - 130	70 - 130
Toluene	ND	10	106	103	1.97	107	109	1.95	70 - 130	70 - 130
Ethylbenzene	ND	10	107	108	0.230	107	109	1.37	70 - 130	70 - 130
Xylenes	ND	30	110	110	0	110	110	0	70 - 130	70 - 130
%SS:	101	10	99	96	2.76	99	96	3.44	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 16675 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0506310-001A	6/15/05 10:00 AM	6/21/05	6/21/05 1:56 AM	0506310-002A	6/15/05 9:10 AM	6/20/05	6/20/05 10:28 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

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0506310

EPA Method: SW8021B/8015Cm	Extraction: SW5030B	BatchID: 16688	Spiked Sample ID: 0506315-004A

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	110	107	3.13	113	107	4.87	70 - 130	70 - 130
Benzene	ND	10	104	102	2.20	103	103	0	70 - 130	70 - 130
Toluene	ND	10	105	103	1.98	105	105	0	70 - 130	70 - 130
Ethylbenzene	ND	10	107	104	2.07	106	105	0.373	70 - 130	70 - 130
Xylenes	ND	30	110	107	3.08	110	107	3.08	70 - 130	70 - 130
%SS:	96	10	95	96	0.469	95	96	0.297	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 16688 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0506310-003A	6/15/05 8:30 AM	6/18/05	6/18/05 3:43 AM	0506310-004A	6/16/05 7:45 AM	6/18/05	6/18/05 4:13 AM
0506310-005A	6/16/05 8:30 AM	6/21/05	6/21/05 2:26 AM	0506310-006A	6/16/05 7:15 AM	6/20/05	6/20/05 11:57 PM
0506310-007A	6/16/05 6:40 AM	6/18/05	6/18/05 5:43 AM	0506310-008A	6/16/05 6:00 AM	6/18/05	6/18/05 6:13 AM
0506310-009A	6/15/05 2:15 PM	6/18/05	6/18/05 6:42 AM	0506310-010A	6/15/05 12:15 PM	6/21/05	6/21/05 12:27 AM
0506310-011A	6/15/05 11:30 AM	6/21/05	6/21/05 1:26 AM	0506310-012A	6/15/05 10:55 AM	6/18/05	6/18/05 7:12 AM
0506310-013A	6/15/05 1:30 PM	6/21/05	6/21/05 9:41 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 SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0506310

EPA Method: SW8015C	Extraction: SW3510C			BatchID: 16682		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	117	118	0.911	N/A	70 - 130
%SS:	N/A	2500	N/A	N/A	N/A	106	107	0.527	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 16682 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0506310-001B	6/15/05 10:00 AM	6/16/05	6/17/05 12:22 PM	0506310-002B	6/15/05 9:10 AM	6/16/05	6/21/05 1:24 PM
0506310-003B	6/15/05 8:30 AM	6/16/05	6/17/05 2:36 PM	0506310-004B	6/16/05 7:45 AM	6/16/05	6/17/05 1:59 PM
0506310-005B	6/16/05 8:30 AM	6/16/05	6/21/05 12:10 AM	0506310-006B	6/16/05 7:15 AM	6/16/05	6/21/05 2:37 PM
0506310-007B	6/16/05 6:40 AM	6/16/05	6/17/05 5:55 PM	0506310-008b	6/16/05 6:00 AM	6/16/05	6/17/05 7:02 PM
0506310-009b	6/15/05 2:15 PM	6/16/05	6/17/05 8:09 PM	0506310-010b	6/15/05 12:15 PM	6/16/05	6/17/05 9:15 PM
0506310-011b	6/15/05 11:30 AM	6/16/05	6/17/05 10:22 PM	0506310-012b	6/15/05 10:55 AM	6/16/05	6/17/05 11:28 PM
0506310-013B	6/15/05 1:30 PM	6/16/05	6/20/05 11:00 PM				

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

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

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

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

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

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0506310

EPA Method: SW8260B	Extraction: SW5030B			BatchID: 16689			Spiked Sample ID: 0506310-007C			
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	117	118	0.967	118	116	1.14	70 - 130	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND	10	106	108	2.07	110	114	3.40	70 - 130	70 - 130
1,1-Dichloroethene	ND	10	115	117	1.87	119	119	0	70 - 130	70 - 130
Trichloroethene	ND	10	92.9	94.1	1.20	96.1	98	1.88	70 - 130	70 - 130
%SS1:	111	10	88	89	1.66	92	93	1.42	70 - 130	70 - 130
%SS2:	106	10	98	99	1.38	97	98	1.23	70 - 130	70 - 130
%SS3:	108	10	107	104	2.88	106	110	3.88	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 16689 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0506310-001C	6/15/05 10:00 AM	6/18/05	6/18/05 9:18 AM	0506310-002C	6/15/05 9:10 AM	6/18/05	6/18/05 10:03 AM
0506310-003C	6/15/05 8:30 AM	6/18/05	6/18/05 10:48 AM	0506310-004C	6/16/05 7:45 AM	6/18/05	6/18/05 11:34 AM
0506310-005C	6/16/05 8:30 AM	6/18/05	6/18/05 12:20 PM	0506310-006C	6/16/05 7:15 AM	6/18/05	6/18/05 1:07 PM
0506310-007C	6/16/05 6:40 AM	6/18/05	6/18/05 1:54 PM	0506310-008C	6/16/05 6:00 AM	6/18/05	6/18/05 2:39 PM
0506310-009C	6/15/05 2:15 PM	6/18/05	6/18/05 4:55 PM	0506310-010C	6/15/05 12:15 PM	6/18/05	6/18/05 5:40 PM
0506310-011C	6/15/05 11:30 AM	6/18/05	6/18/05 6:25 PM	0506310-012C	6/15/05 10:55 AM	6/18/05	6/18/05 7:10 PM
0506310-013C	6/15/05 1:30 PM	6/18/05	6/18/05 7:55 PM				

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

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

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

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

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

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

~~0506~~ 0506310

McCAMPBELL ANALYTICAL, INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
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Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

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

EDF Required? (Yes) No

Report To: Matt Meyers Bill To: Cambria Environmental Technology

Company: Cambria Environmental Technology

5900 Hollis St. Ste A

Emeryville, CA 94608 E-Mail: mmeyers@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
MW-1A		6-15-05	10:00	2 4	Amb VOA	X					X	X		
MW-1B			9:10											
MW-1C			8:30											
MW-2A		6-16-05	7:45											
MW-3A			8:30											
MW-4A			7:15											
MW-4B			6:40											
MW-4C			6:00											
MW-5B		6-15-05	2:15											
MW-6A			12:15											
MW-6B			11:30											
MW-6C			10:55											
MW-7A			1:30											
TB				2	VOA									

Analysis Request

MTBE / BTEX & TPH as Gas (602 / 8021 + 8015)	MTBE / BTEX ONLY (EPA 602 / 8021)	TPH as Diesel / Motor Oil (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	TPHg by 8015 M	VOCs and fuel additives by 8260	TPHg / BTEX & MTBE by (8015 / 8020)	Other	Comment
		X (Diesel only)												TPHg, BTEX MTBE 8015/8020	HVOCs 8010	Filter Samples for Metals analysis: Yes / No
																HOLD

Relinquished By:	Date:	Time:	Received By:
	6/16/05	340	
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: 0506310 **ClientID: CETE**

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: 06/16/2005
Date Printed: 06/16/2005

					Requested Tests (See legend below)														
Sample ID	**ClientSampID**	**Matrix**	**Collection Date**	**Hold**	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0506310-001	MW-1A	Water	6/15/05 10:00:00	☐	C	A	A	B											
0506310-002	MW-1B	Water	6/15/05 9:10:00 AM	☐	C	A		B											
0506310-003	MW-1C	Water	6/15/05 8:30:00 AM	☐	C	A		B											
0506310-004	MW-2A	Water	6/16/05 7:45:00 AM	☐	C	A		B											
0506310-005	MW-3A	Water	6/16/05 8:30:00 AM	☐	C	A		B											
0506310-006	MW-4A	Water	6/16/05 7:15:00 AM	☐	C	A		B											
0506310-007	MW-4B	Water	6/16/05 6:40:00 AM	☐	C	A		B											
0506310-008	MW-4C	Water	6/16/05 6:00:00 AM	☐	C	A		B											
0506310-009	MW-5B	Water	6/15/05 2:15:00 PM	☐	C	A		B											
0506310-010	MW-6A	Water	6/15/05 12:15:00	☐	C	A		B											
0506310-011	MW-6B	Water	6/15/05 11:30:00	☐	C	A		B											
0506310-012	MW-6C	Water	6/15/05 10:55:00	☐	C	A		B											
0506310-013	MW-7A	Water	6/15/05 1:30:00 PM	☐	C	A		B											

Test Legend:

1	8010BMS_W	2	G-MBTEX_W	3	PREDF REPORT	4	TPH(D)WSG_W	5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Melissa Valles

Comments:

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

APPENDIX C

Non-Hazardous Waste Manifest

NON-HAZARDOUS WASTE MANIFEST

EES19

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EXEMPT

Manifest Document No.: NH 3315

2. Page 1 of 1

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

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

5. Transporter 1 Company Name: EVERGREEN ENVIRONMENTAL SERVICES

6. US EPA ID Number: CAD982413262

A. State Transporter's ID

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:
EVERGREEN OIL, INC.
6880 Smith Avenue
Newark, CA 94560

10. US EPA ID Number: CAD980887418

E. State Facility's ID

F. Facility's Phone: 510 795-4400

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Hazardous waste, liquid (PURGE WATER)	4 ~~001~~	DM ~~TT~~	220	G
b.				
c.				
d.				

GENERATOR

G. Additional Descriptions for Materials Listed Above

PHE: 1167 65TH ST OAKLAND CA 94609

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

Invoice: [illegible]
Sales Order:

PROJECT NUMBER 521-1000-304

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)
	[signature]	7 20 15

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
[illegible]	[signature]	7 20 15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Date (Month Day Year)