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Alameda County
Environmental Health

August 28, 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 – Second Quarter 2006**
1137-1167 65th Street
Oakland, California
Case No. RO0000082



Dear Mr. Chan:

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

If you have any questions, please call Matt Meyers at (510) 420-3314 or Mark Jonas at (510) 420-3307.

Sincerely,
Cambria Environmental Technology, Inc.

Matthew A. Meyers
Project Geologist

Attachment: Groundwater Monitoring Report – Second Quarter 2006

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

**Cambria
Environmental
Technology, Inc.**

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Emeryville, CA 94608
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GROUNDWATER MONITORING REPORT – SECOND QUARTER 2006

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

August 28, 2006

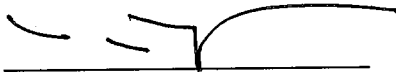
Prepared for Submittal to:

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:



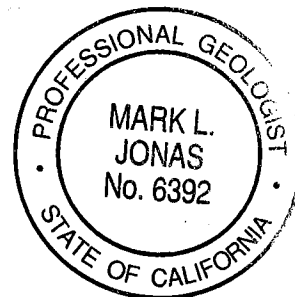
Matthew A. Meyers
Project Geologist

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



Mark Jonas, P.G.
Senior Project Manager



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

August 28, 2006

INTRODUCTION

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

MONITORING ACTIVITIES

Cambria coordinated with Muskan Environmental Sampling (MES) to perform quarterly groundwater monitoring activities at the site. On June 19 and 20, 2006, MES measured groundwater levels in all thirteen site monitoring wells and collected groundwater samples from nine of the thirteen wells. As recommended in the *Groundwater Monitoring Report – Fourth Quarter 2005* and tentatively approved by Mr. Barney Chan of ACHCSA, the sampling schedule was revised as follows:

- Total petroleum hydrocarbons as diesel (TPHd), gasoline (TPHg), motor oil (TPHmo), and stoddard solvent (TPHss), and benzene, toluene, ethylbenzene, and total xylenes (BTEX) are analyzed in groundwater samples collected from monitoring wells MW-1A, MW-2A, MW-3A, MW-4A, MW-6A, MW-7A, and MW-6B.
- Halogenated volatile organic compounds (HVOCs) are analyzed in groundwater samples collected from monitoring wells MW-1A, MW-3A, MW-6A, MW-7A, MW-1B, MW-6B, and MW-6C.
- Groundwater samples are not analyzed for methyl tertiary butyl ether (MTBE).
- Monitoring wells MW-4B, MW-5B, MW-1C, and MW-4C are no longer sampled.

Copies of the field data sheets are included as Appendix A.

Water Level Measurements: Depth to groundwater measurements were recorded to the nearest 0.01-foot, relative to a previously established reference elevation. Measurements were collected using an electric, conductance-actuated well sounder. The groundwater level measurement data are summarized in Table 1.



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Groundwater Sampling: MES collected groundwater samples from wells MW-1A, MW-2A, MW-3A, MW-4A, MW-6A, MW-7A, MW-1B, MW-6B, and MW-6C.

Prior to sampling, the wells were purged to remove standing water in the well casing and annulus, and to promote inflow of representative groundwater from the surrounding formation. Each well was purged using a new disposable bailer, pre-cleaned poly vinyl chloride (PVC) bailer, or disposable tubing with a check valve. Field measurements of pH, specific conductance, and temperature of purged groundwater were measured after extraction of each successive casing volume. Casing volumes were calculated based on well diameter and height of the water column. Typically, purging continued until three or more casing volumes had consecutive pH, specific conductance, and temperature measurements within 10% of the prior measurement. Field water quality measurements, purge volumes and sample collection data were recorded on field sampling data forms (Appendix A).

To minimize the potential for cross-contamination, groundwater monitoring equipment was decontaminated prior to being used in the first monitoring well and between successive wells.


Groundwater samples were collected from each of the wells using clean disposable bailers. The samples were decanted from the bailers into 1-liter (L) amber glass containers and/or 40-milliliter (mL) glass volatile organic analysis (VOA) vials, both supplied by McCampbell Analytical, Inc. (McCampbell) of Pacheco, California. Sample containers were labeled and placed in a cooler chilled with water-based ice, for temporary storage and transport. A chain-of-custody record was maintained (Appendix B).

Groundwater samples were analyzed for TPHd, TPHmo, TPHss, and TPHg by modified United States Environmental Protection Agency (EPA) Method SW8015C. BTEX were analyzed by EPA Method SW8021B. Samples were also analyzed for HVOCs by EPA Method SW8260B, but only reported for the EPA Method 8010 basic target list. Samples marked for TPHd and TPHmo analysis were subjected to silica gel cleanup prior to analysis. The laboratory analytical report is included in Appendix B. Analytical results are summarized on Figures 2, 3, and 4 and presented in Tables 1 and 2.

Waste Disposal: About 65 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. The Non-Hazardous Waste Manifest for disposal of this quarter's purge water will be provided in the third quarter 2006 groundwater monitoring report.

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RESULTS



Groundwater Flow Direction and Gradient: Depth-to-water measurements collected from thirteen wells on June 19, 2006 ranged from 2.56 to 16.51 feet (ft) below top of casing (TOC). Groundwater elevations were calculated by subtracting the depth-to-water measurements from the surveyed TOC elevations. The groundwater elevations for A, B, and C-zone water-bearing zones were each plotted and contoured on Figures 2, 3, and 4, respectively. The groundwater flow direction in the A-zone was predominantly southwest with a gradient of approximately 0.026 feet per foot (ft/ft) (Figure 2). The groundwater flow direction in the B-zone was predominantly west-southwest with a gradient of approximately 0.033 ft/ft (Figure 3). Since the groundwater elevation in well MW-1B appears to be abnormally low it was considered to be anomalous. As a result, the groundwater elevation in well MW-1B was not used for calculating the groundwater gradient or flow pattern. The groundwater flow direction in the C-zone was west-southwest with a gradient of approximately 0.008 ft/ft (Figure 4). The groundwater flow direction and gradient in the A-zone, B-zone, and C-zone are generally consistent with historical results. The A-zone is defined as the first encountered groundwater bearing zone from approximately 5 feet below ground surface (ft bgs) to 15 ft bgs. A-zone monitoring wells are MW-1A, MW-2A, MW-3A, MW-4A, MW-6A, and MW-7A. The B-zone is defined as the second encountered groundwater bearing zone from approximately 16 ft bgs to 22 ft bgs. B-zone monitoring wells are MW-1B, MW-4B, MW-5B, and MW-6B. The C-zone is defined as the third encountered groundwater bearing zone from approximately 28 ft bgs to 40 ft bgs. C-zone monitoring wells are MW-1C, MW-4C, and MW-6C. Rose diagrams depicting historical groundwater flow directions for the A, B, and C-zones are presented on the figures. Depth-to-water and groundwater elevation data are summarized in Tables 1 and 2.

Chemicals Detected in A-Zone Groundwater: Petroleum hydrocarbons were detected in all six A-zone monitoring wells. The highest TPHd, TPHmo, TPHss, and TPHg concentrations were detected in well MW-7A, at 36,000 micrograms per liter ($\mu\text{g/L}$), 1,300 $\mu\text{g/L}$, 44,000 $\mu\text{g/L}$, and 26,000 $\mu\text{g/L}$ respectively.

For the six wells sampled, benzene was detected only in wells MW-1A and MW-4A, at concentrations of 0.52 $\mu\text{g/L}$ and 0.53 $\mu\text{g/L}$, respectively. Toluene, ethylbenzene, and xylenes were each detected in at least two monitoring wells, but none of their concentrations exceeded 10 $\mu\text{g/L}$.

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

- Chloroethane was detected in well MW-6A at a concentration of 9.4 $\mu\text{g/L}$.
- Tetrachloroethene (PCE) was detected in well MW-1A at a concentration of 33 $\mu\text{g/L}$.
- Trichloroethene (TCE) was detected in well MW-1A at a concentration of 9.0 $\mu\text{g/L}$.

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- cis-1,2-Dichloroethene (cis-1,2-DCE) was detected in well MW-1A at a concentration of 15 µg/L.
- trans-1,2-Dichloroethene (trans-1,2-DCE) was detected in wells MW-1A and MW-6A at concentrations of 1.1 µg/L and 1.0 µg/L, respectively.
- 1,1-Dichloroethane (1,1-DCA) was detected in wells MW-1A and MW-6A at concentrations of 1.8 µg/L and 1.1 µg/L, respectively.
- Vinyl chloride was detected in wells MW-1A and MW-6A at concentrations of 3.2 µg/L and 1.3 µg/L, respectively.
- Chlorobenzene was detected in well MW-3A at a concentration of 9.8 µg/L.
- 1,4-dichlorobenzene (1,4-DCB) was detected in well MW-3A at a concentration of 7.3 µg/L.



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

Chemicals Detected in B-Zone Groundwater: During the second quarter 2006, a groundwater sample from B-zone monitoring well MW-6B was analyzed for petroleum hydrocarbons by EPA Methods SW8015C and SW8021B. TPHd, TPHmo, TPHss, and TPHg were detected in this groundwater sample at concentrations of 7,700 µg/L, 310 µg/L, 3,300 µg/L, and 1,700 µg/L, respectively.

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

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

- cis-1,2-DCE (7.0 µg/L), 1,1-DCA (7.8 µg/L), and 1,2-DCA (6.2 µg/L) were detected in well MW-1B.
- Chloroethane (0.91 µg/L) and 1,1-DCA (0.52 µg/L) were detected in well MW-6B.

No other HVOCs were detected in B-zone wells. B-zone groundwater analytical data and water level data are presented in Tables 1 and 2, and summarized on Figure 3.

Chemicals Detected in C-Zone Groundwater: No C-zone groundwater samples were analyzed for petroleum hydrocarbons. A C-zone groundwater sample collected from well MW-6C was analyzed for HVOCs. HVOC detections in this sample were as follows:

PCE (4.0 µg/L), TCE (3.4 µg/L), cis-1,2-DCE (32 µg/L), trans-1,2-DCE (0.78 µg/L), 1,1-DCA (0.96 µg/L), and vinyl chloride (11 µg/L) were detected in well MW-6C.

No other HVOCs were detected in well MW-6C. C-zone groundwater analytical data and water level data are presented in Tables 1 and 2, and summarized on Figure 4.

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GEOTRACKER SUBMITTALS

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

RECOMMENDED THIRD QUARTER 2006 ACTIVITIES

Cambria makes the following recommendations:

- Conduct a quarterly groundwater monitoring event during the third quarter 2006. Monitoring activities should include gauging groundwater depths in the thirteen site monitoring wells to determine groundwater flow patterns. Groundwater sampling and analysis should include monitoring wells MW-1A, MW-2A, MW-3A, MW-4A, MW-6A, MW-7A, and MW-6B for petroleum hydrocarbons (TPHg, TPHd, TPHmo, TPHss, and BTEX) and wells MW-1A, MW-3A, MW-6A, MW-7A, MW-1B, MW-6B, and MW-6C for (8010 basic target list) HVOCs. A report will be prepared detailing the activities and findings of the third quarter 2006 event to be submitted to ACHCSA by November 30, 2006.
- Groundwater analytical and well gauging data will be uploaded to GeoTracker in compliance with California State Assembly Bill 592.
- The third quarter 2006 groundwater monitoring report will be submitted via ACHCSA's file transfer protocol (FTP) site and notification will be sent to Mr. Chan by e-mail.



ATTACHMENTS

Figure 1 – Vicinity Map

Figure 2 – Groundwater Flow and Chemical Concentrations – A Zone

Figure 3 – Groundwater Flow and Chemical Concentrations – B Zone

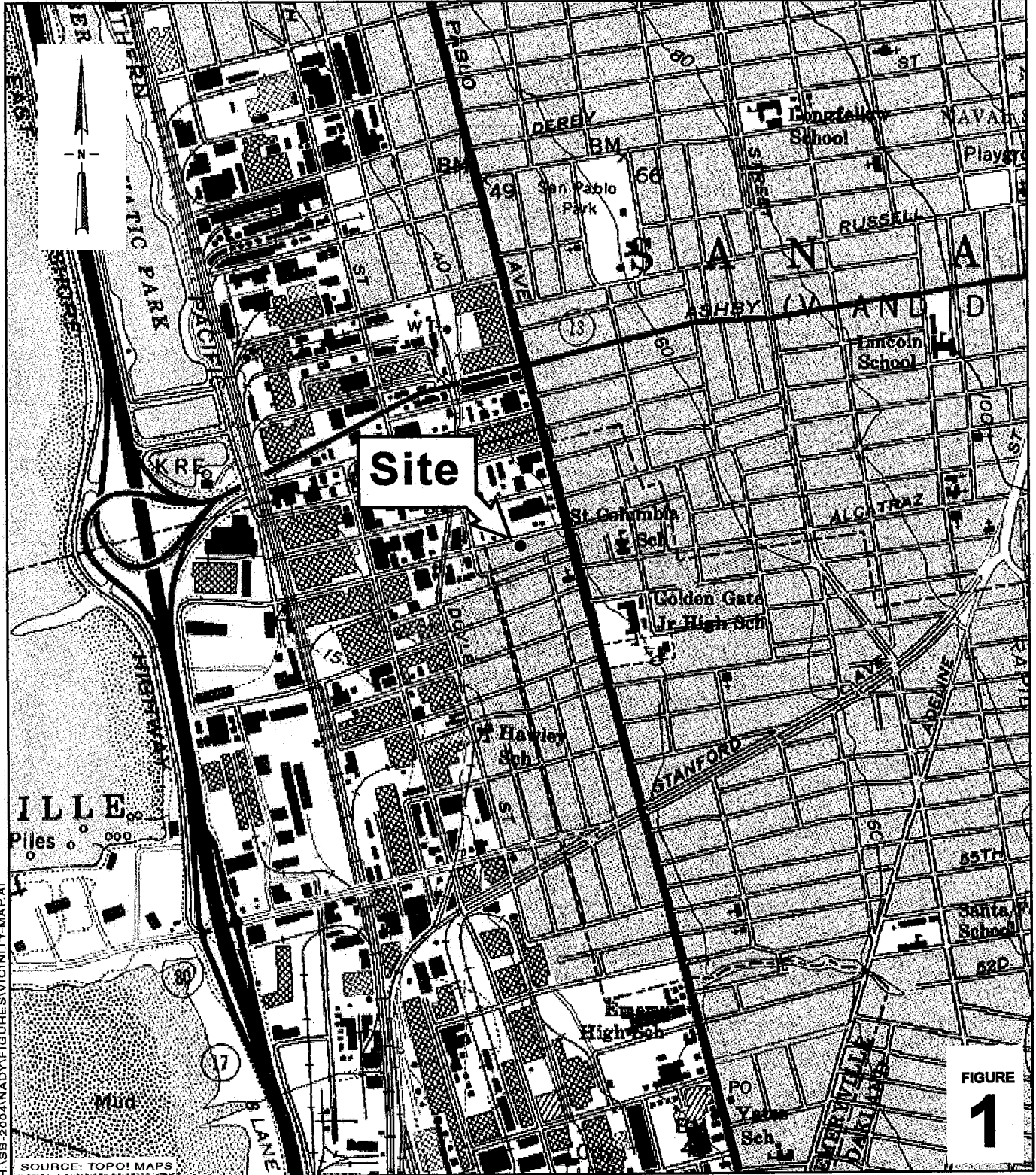
Figure 4 – Groundwater Flow and Chemical Concentrations – C Zone

Table 1 – Groundwater Analytical and Elevation Data: Petroleum Hydrocarbons

Table 2 – Groundwater Analytical and Elevation Data: HVOCs

Appendix A – Field Data Sheets

Appendix B – Laboratory Analytical Report



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SOURCE: TOPOI MAPS

0 1/8 1/4 1/2 1
 SCALE : 1" = 1/4 MILE

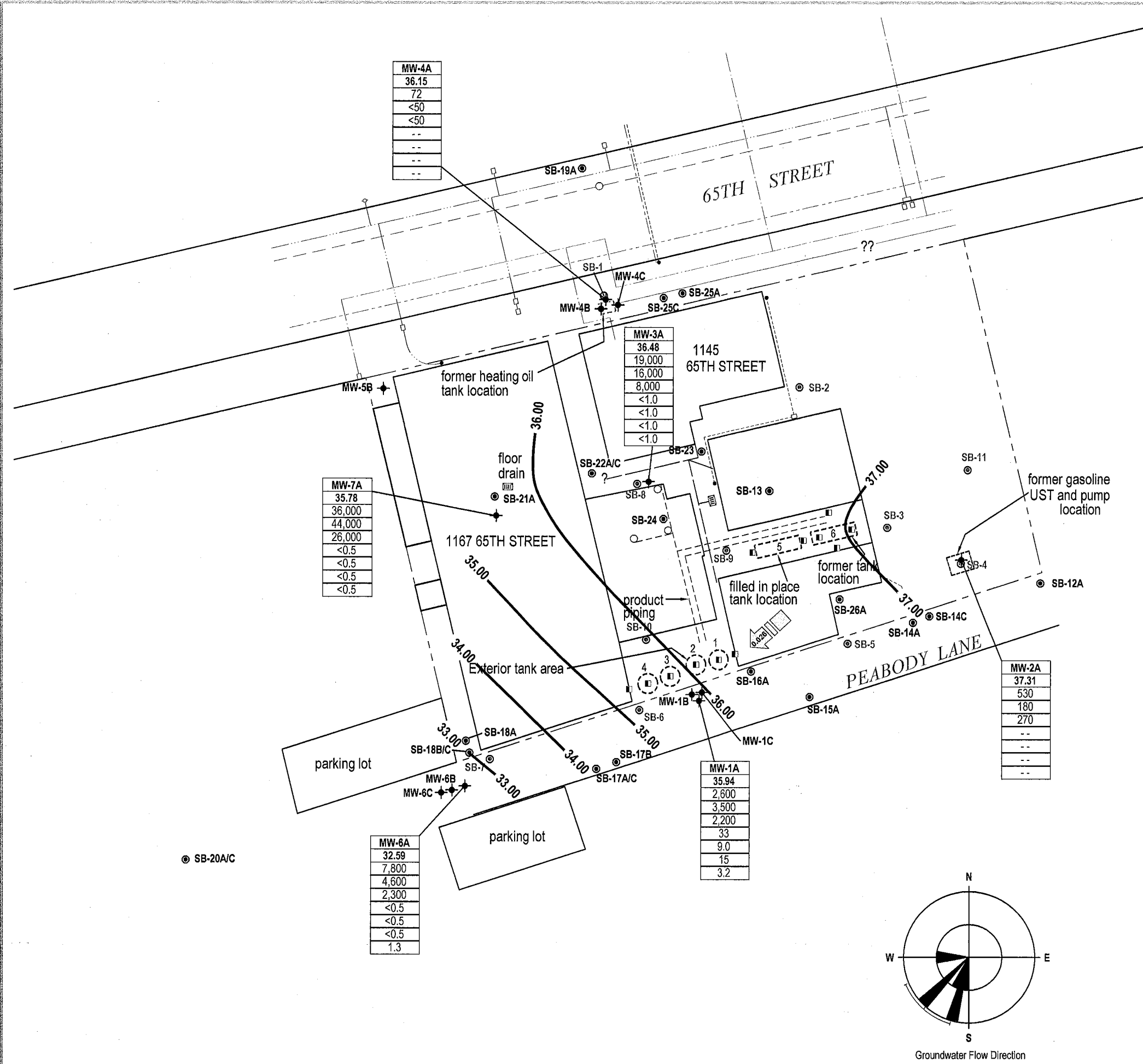


Vicinity Map

1137 - 1167 65th Street
 Oakland, California

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EXPLANATION

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

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

Monitoring Well Designation

Groundwater elevation in feet above mean sea level (MSL)

Concentrations in groundwater in micrograms per liter

-- Not analyzed

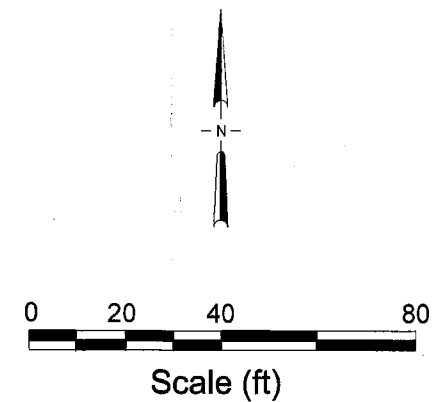
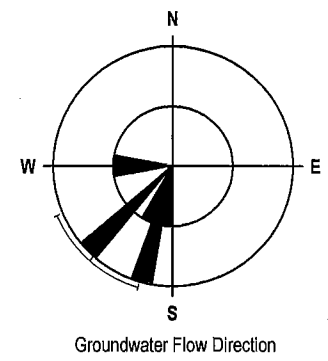
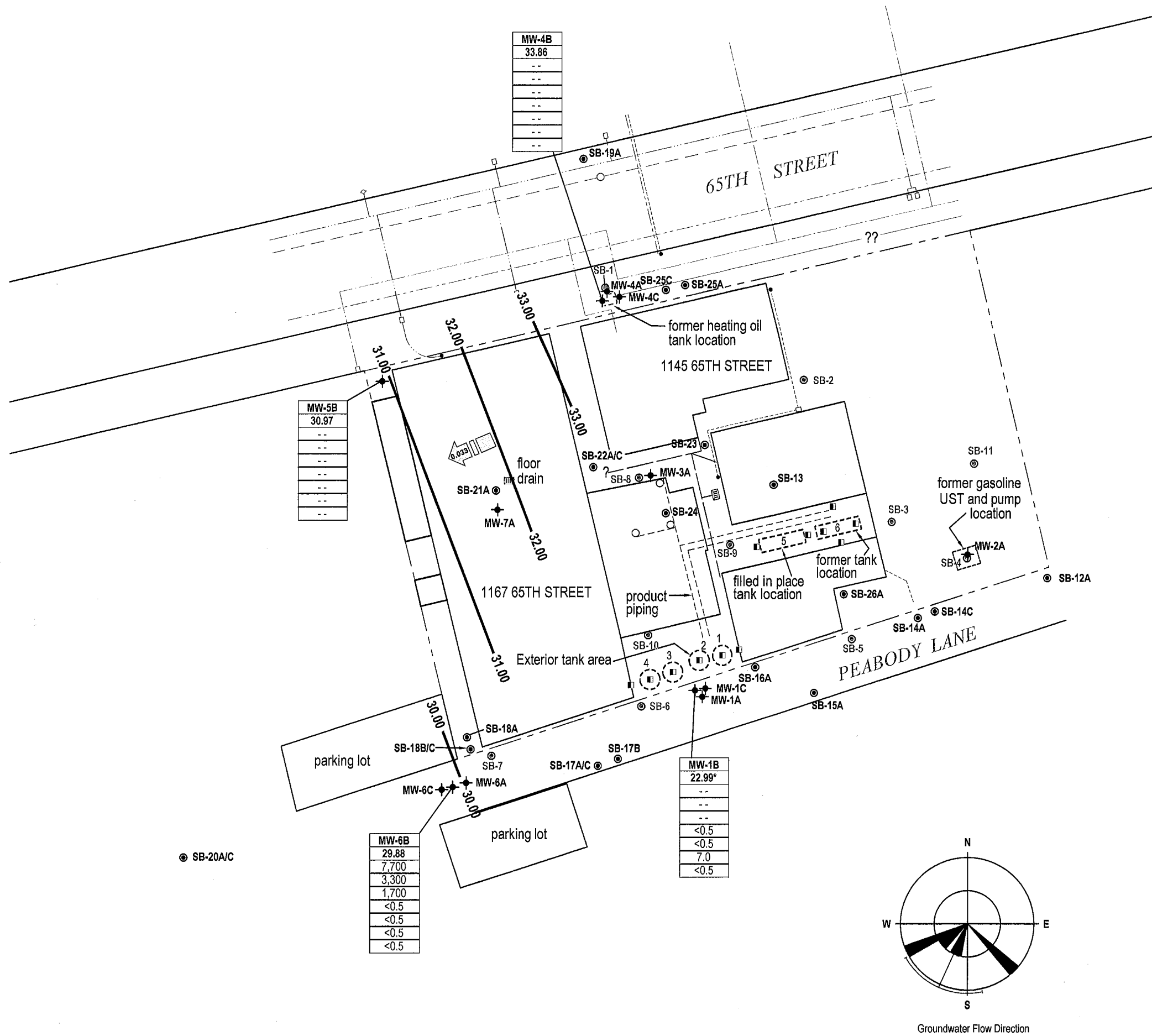


FIGURE
2



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MW-4B
33.86
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--
--

MW-5B
30.97
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--
--
--
--
--

MW-6B
29.88
7.700
3.300
1.700
<0.5
<0.5
<0.5
<0.5

MW-1B
22.99*
--
--
--
<0.5
<0.5
7.0
<0.5

EXPLANATION

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

Well ID	Monitoring Well Designation
ELEV.	Groundwater elevation in feet above mean sea level (MSL)
TPHd	
TPHss	
TPHg	
PCE	Concentrations in groundwater in micrograms per liter
TCE	
cis-1,2-DCE	
Vinyl Chloride	
--	Not analyzed
*	Groundwater elevation anomalous, not used for contouring or gradient calculation

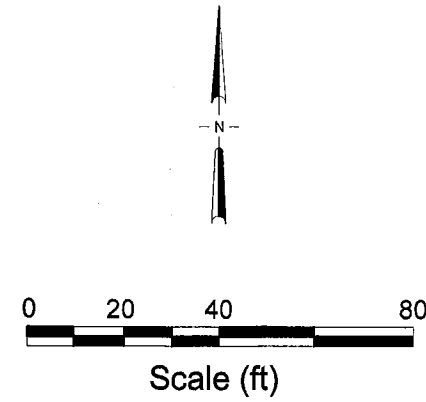
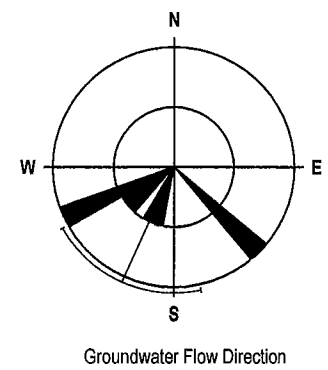
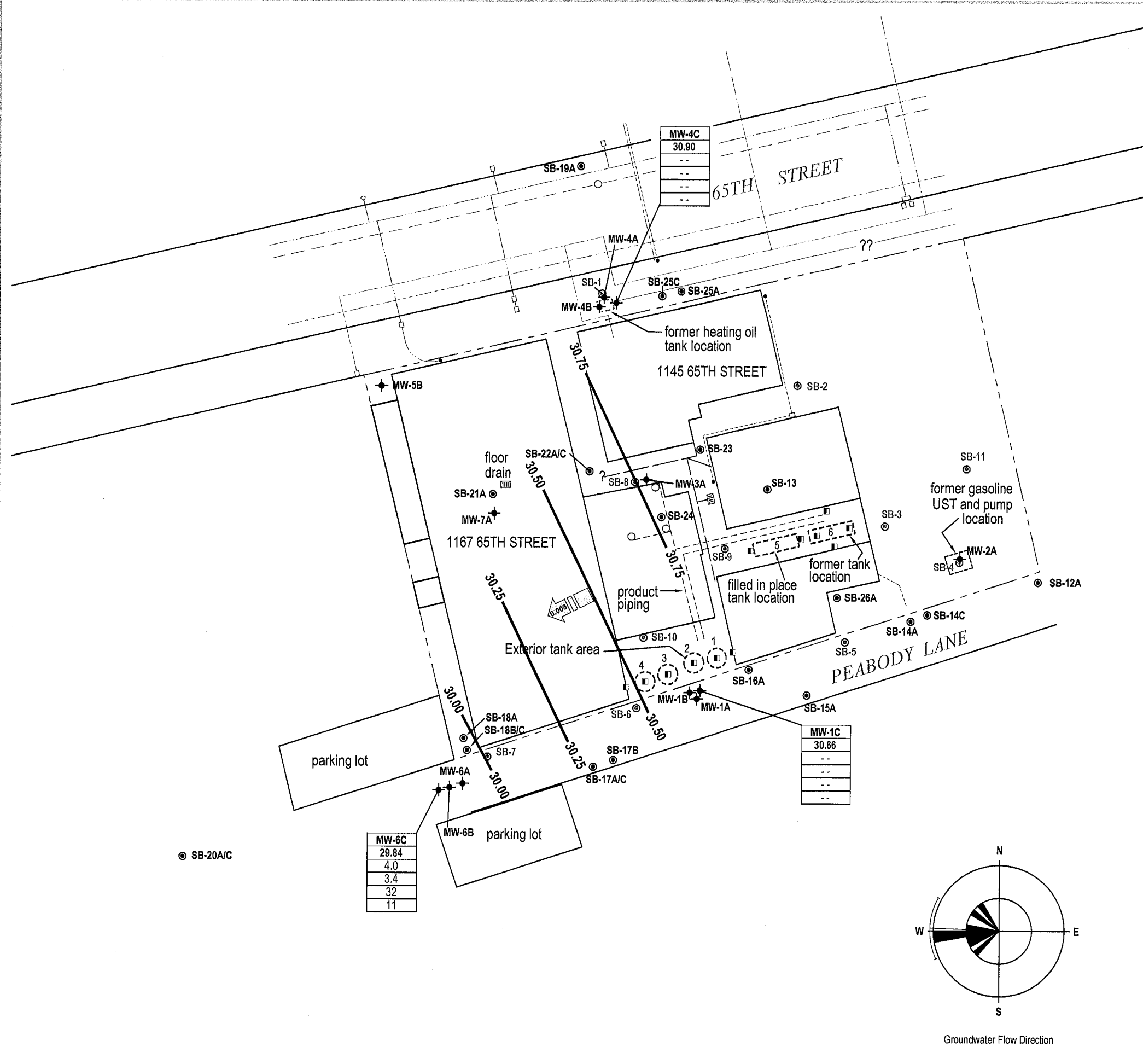


FIGURE
3



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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
- 30.00 Groundwater elevation contour line in feet above mean sea level (MSL)
- Groundwater flow direction and gradient

Well ID	Monitoring Well Designation
ELEV.	Groundwater elevation in feet above mean sea level (MSL)
PCE	Concentrations in groundwater in micrograms per liter
TCE	
cis-1,2-DCE	
Vinyl Chloride	
--	Not analyzed

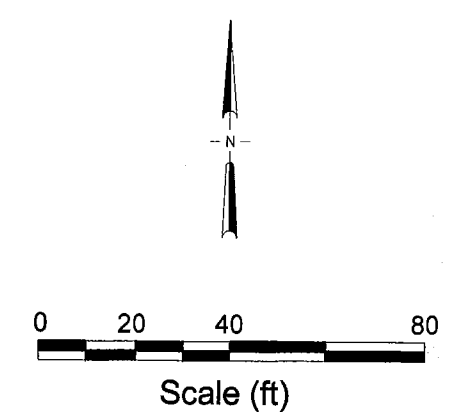
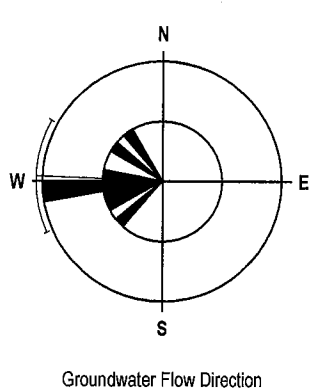


FIGURE
4

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

Well ID TOC (ft)	Date Sampled	Groundwater Elevation (ft amsl)	Depth to Water (ft)	←-----µg/L-----→									Notes
				TPHd	TPHg	TPHmo	TPHss	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	
MW-1A	6/3/2004	35.14	4.50	1,300	1,400	260	2,500	ND<0.5	ND<0.5	2.0	11	ND<5.0	
39.64	11/23/2004	36.54	3.10	1,400	2,300	ND<250	2,800	0.64	ND<0.5	2.5	9.7	6.8	a,b,c
	3/14/2005	37.02	2.62	3,200	4,800	ND<250	6,000	0.68	ND<0.5	2.0	6.8	ND<5.0	d,e
	6/15/2005	35.14	4.50	2,500	2,800	ND<250	3,400	ND<2.5	ND<2.5	ND<2.5	5.9	ND<25	a,b,h,i,c
	9/19/2005	33.14	6.50	2,800	4,100	ND<250	6,000	ND<1.0	ND<1.0	3.3	6.2	ND<10	a,b,i,c
	12/12/2005	35.14	4.50	2,500	2,600	ND<250	3,100	ND<1.7	ND<1.7	2.7	6.5	ND<17	a,b,c,h,i
	3/13/2006	37.74	1.90	2,300	2,000	ND<250	2,400	0.51	ND<0.5	1.9	3.5	--	a,b,c,i
	6/19/2006	35.94	3.70	2,600	2,200	ND<250	3,500	0.52	ND<0.5	2.9	6.7	--	m,b,c
MW-2A	6/3/2004	36.48	4.24	2,900	1,700	ND<250	3,500	ND<0.5	3.5	4.9	5.1	ND<5.0	
40.72	11/23/2004	37.83	2.89	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/14/2005	39.02	1.70	--	--	--	--	--	--	--	--	--	
	3/15/2005	--	--	560	360	450	260	ND<0.5	2.5	ND<0.5	ND<0.5	ND<5.0	e,d,g,i
	6/15/2005	37.91	2.81	--	--	--	--	--	--	--	--	--	
	6/16/2005	--	--	470	480	330	430	ND<0.5	2.9	ND<0.5	ND<0.5	ND<5.0	a,b,i,g,e
	9/19/2005	35.46	5.26	--	--	--	--	--	--	--	--	--	
	9/20/2005	--	--	2,100	960	870	960	ND<0.5	4.7	2.9	ND<0.5	ND<5.0	e,g,b,i,l
	12/12/2005	37.66	3.06	--	--	--	--	--	--	--	--	--	
	12/13/2005	--	--	700	670	470	510	ND<0.5	5.9	ND<0.5	ND<0.5	ND<5.0	a,b,e,g,i
	3/13/2006	40.33	0.39	--	--	--	--	--	--	--	--	--	
	3/14/2006	--	--	81	100	ND<250	81	ND<0.5	1.5	ND<0.5	ND<0.5	--	a,b,e,i
	6/19/2006	37.31	3.41	--	--	--	--	--	--	--	--	--	
	6/20/2006	--	--	530	270	420	180	ND<0.5	1.7	ND<0.5	ND<0.5	--	e,g,i,l

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

Well ID TOC (ft)	Date Sampled	Groundwater Elevation (ft amsl)	Depth to Water (ft)	TPHd	TPHg	TPHmo	TPHss	Benzene μg/L	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
MW-3A 40.88	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<5.0	
	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<5.0	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<1.7	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<1.7	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<1.0	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<1.7	a,b,c,d,h,i
	3/13/2006	37.42	3.46	--	--	--	--	--	--	--	--	--	
	3/14/2006	--	--	21,000	2,200	1,600	3,300	ND<0.5	ND<0.5	1.1	ND<0.5	--	a,c,d,g,h
	6/19/2006	36.48	4.40	--	--	--	--	--	--	--	--	--	
	6/20/2006	--	--	19,000	8,000	1,000	16,000	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	c,d,g,h,m
MW-4A 38.71	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	
	11/23/2004	37.13	1.58	73	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	d
	3/14/2005	36.66	2.05	--	--	--	--	--	--	--	--	--	
	3/15/2005	--	--	210	ND<50	300	ND<50	0.91	1.7	ND<0.5	1.9	ND<5.0	g,d,f,i
	6/15/2005	36.38	2.33	--	--	--	--	--	--	--	--	--	
	6/16/2005	--	--	99	59	ND<250	75	1.0	1.9	ND<0.5	2.1	ND<5.0	j,d,f
	9/19/2005	35.01	3.70	--	--	--	--	--	--	--	--	--	
	9/20/2005	--	--	87	ND<50	ND<250	ND<50	1.2	2.1	0.51	2.4	ND<5.0	d,f
	12/12/2005	36.39	2.32	--	--	--	--	--	--	--	--	--	
	12/13/2005	--	--	71	ND<50	ND<250	ND<50	0.67	1.4	ND<0.5	1.9	ND<5.0	d,f,i
	3/13/2006	36.75	1.96	--	--	--	--	--	--	--	--	--	
	3/14/2006	--	--	68	ND<50	ND<250	ND<50	0.60	1.3	ND<0.5	1.8	--	d,f
	6/19/2006	36.15	2.56	--	--	--	--	--	--	--	--	--	
	6/20/2006	--	--	72	ND<50	ND<250	ND<50	0.53	1.1	ND<0.5	1.6	--	f

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

Well ID <i>TOC</i> (ft)	Date Sampled	Groundwater Elevation (ft amsl)	Depth to Water (ft)	← μg/L →									Notes
				TPHd	TPHg	TPHmo	TPHss	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	
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<5.0	e,di
	6/15/2005	33.28	4.70	6,100	2,200	ND<250	3,400	ND<0.5	ND<0.5	0.60	4.4	ND<10	a,i,c,d
	9/19/2005	32.07	5.91	2,600	2,200	ND<250	3,900	ND<1.0	ND<1.0	1.4	7.6	ND<10	a,b,c
	12/12/2005	33.12	4.86	4,600	2,900	ND<250	4,500	ND<0.5	ND<0.5	1.6	8.9	ND<5.0	a,c,h,i
	3/13/2006	36.05	1.93	4,300	1,900	ND<250	3,000	ND<0.5	ND<0.5	ND<0.5	4.3	--	a,c,d,h
	6/19/2006	32.59	5.39	7,800	2,300	260	4,600	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	c,g,h,m
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<5.0	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<5.0	a,c,d,h,i
	9/19/2005	35.25	5.33	43,000	7,000	ND<5,000	13,000	ND<10	ND<10	ND<10	ND<10	ND<100	a,c,i
	12/12/2005	36.15	4.43	10,000	1,700	ND<1,200	2,500	ND<1.0	ND<1.0	1.4	2.4	ND<10	a,c,d,h,i
	3/13/2006	36.76	3.82	31,000	1,600	1,100	2,300	ND<0.5	ND<0.5	0.93	9.1	--	a,c,d,g,h,i
	6/19/2006	35.78	4.80	36,000	26,000	1,300	44,000	ND<5.0	ND<5.0	10	ND<5.0	--	c,d,g,h,i,m
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	di
	6/15/2005	31.87	7.63	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	9/19/2005	30.35	9.15	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	12/12/2005	30.39	9.11	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	3/13/2006	32.15	7.35	--	--	--	--	--	--	--	--	--	
	6/19/2006	22.99	16.51	--	--	--	--	--	--	--	--	--	

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

Well ID <i>TOC</i> (ft)	Date Sampled	Groundwater Elevation (ft amsl)	Depth to Water (ft)	←-----µg/L-----→									Notes	
				TPHd	TPHg	TPHmo	TPHss	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE		
MW-4B 38.54	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<0.5		
	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<0.5		
	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<0.5	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<0.5	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<0.5	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<0.5	i	
MW-5B 38.98	3/13/2006	34.61	3.93	--	--	--	--	--	--	--	--	--		
	6/19/2006	33.86	4.68	--	--	--	--	--	--	--	--	--		
	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<0.5		
	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<0.5		
	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<0.5	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<0.5	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<0.5		
	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<0.5	i	
3/13/2006	32.87	6.11	--	--	--	--	--	--	--	--	--			
6/19/2006	30.97	8.01	--	--	--	--	--	--	--	--	--			
MW-6B 37.66	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		
	11/23/2004	30.53	7.13	280	500	ND<250	700	ND<0.5	ND<0.5	ND<0.5	1.6	ND<5.0	a,c	
	3/14/2005	31.86	5.80	5,200	1,300	340	1,200	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	e,d,i	
	6/15/2005	30.17	7.49	1,700	900	ND<250	1,300	ND<0.5	ND<0.5	ND<0.5	1.9	ND<5.0	a,c	
	9/19/2005	28.83	8.83	2,700	1,200	ND<250	2,000	1.0	1.4	ND<1.0	5.0	ND<2.0	a,b,c	
	12/12/2005	29.85	7.81	4,100	840	ND<250	1,200	ND<0.5	ND<0.5	ND<0.5	3.3	ND<5.0	a,c,h,i	
	3/13/2006	32.31	5.35	6,900	1,400	270	2,000	ND<0.5	ND<0.5	ND<0.5	4.7	--	a,c,d,h,i	
	6/19/2006	29.88	7.78	7,700	1,700	310	3,300	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	c,g,h,m

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

Well ID <i>TOC</i> (ft)	Date Sampled	Groundwater Elevation (ft amsl)	Depth to Water (ft)	TPHd	TPHg	TPHmo	TPHss	µg/L					Notes
								Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	
MW-1C 39.49	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	
	11/23/2004	31.30	8.19	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/14/2005	32.58	6.91	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	f
	6/15/2005	30.89	8.60	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	9/19/2005	29.19	10.30	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	12/12/2005	30.54	8.95	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	3/13/2006	32.99	6.50	--	--	--	--	--	--	--	--	--	
	6/19/2006	30.66	8.83	--	--	--	--	--	--	--	--	--	
MW-4C 38.50	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	
	11/23/2004	31.31	7.19	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/14/2005	33.15	5.35	--	--	--	--	--	--	--	--	--	
	3/15/2005	--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	6/15/2005	30.85	7.65	--	--	--	--	--	--	--	--	--	
	6/16/2005	--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	9/19/2005	25.97	12.53	--	--	--	--	--	--	--	--	--	
	9/20/2005	--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	12/12/2005	30.00	8.50	--	--	--	--	--	--	--	--	--	
	12/13/2005	--	--	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	i
	3/13/2006	31.18	7.32	--	--	--	--	--	--	--	--	--	
	6/19/2006	30.90	7.60	--	--	--	--	--	--	--	--	--	
MW-6C 37.59	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	
	11/23/2004	29.21	8.38	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/14/2005	31.79	5.80	60	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	d
	6/15/2005	30.14	7.45	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	9/19/2005	28.79	8.80	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	12/12/2005	29.81	7.78	ND<50	ND<50	ND<250	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	
	3/13/2006	32.09	5.50	--	--	--	--	--	--	--	--	--	
	6/19/2006	29.84	7.75	--	--	--	--	--	--	--	--	--	

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

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

Abbreviations:

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

μg/L = micrograms per liter - approximately equal to parts per billion = ppb

ft = measured in feet

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?)

m = Strongly aged gasoline or diesel range compounds are significant

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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)	µg/L											Notes	
				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		
MW-4A 38.71	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	ND<0.5	
	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	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	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	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	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	ND<0.5	i
	3/13/2006	36.75	1.96	--	--	--	--	--	--	--	--	--	--	--	--	
6/19/2006	36.15	2.56	--	--	--	--	--	--	--	--	--	--	--	--		
MW-6A 37.98	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		
	11/23/2004	33.13	4.85	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5		
	3/14/2005	35.03	2.95	0.61	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i	
	6/15/2005	33.28	4.70	6.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.3	ND<0.5	2.5	1.5	ND<0.5	3.2	i, 1,4-dichlorobenzene (0.60)	
	9/19/2005	32.07	5.91	21	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.6	ND<0.5	6.7	4.7	0.59	5.0		
	12/12/2005	33.12	4.86	13	ND<0.5	8.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.1	0.82	ND<0.5	ND<0.5	h,i	
	3/13/2006	36.05	1.93	1.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h	
6/19/2006	32.59	5.39	9.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.0	1.1	ND<0.5	1.3	h		
MW-7A 40.58	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		
	11/23/2004	--	--	--	--	--	--	--	--	--	--	--	--	--		
	3/14/2005	37.03	3.55	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h	
	6/15/2005	36.41	4.17	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h,i	
	9/19/2005	35.25	5.33	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	i	
	12/12/2005	36.15	4.43	ND<0.5	ND<0.5	21	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h,i	
	3/13/2006	36.76	3.82	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h,i	
6/19/2006	35.78	4.80	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h,l		
MW-1B 39.50	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		
	11/23/2004	26.24	13.26	ND<0.5	6.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.5	ND<0.5	8.4	8.8	ND<0.5		
	3/14/2005	33.97	5.53	1.1	1.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.8	ND<0.5	5.2	12	ND<0.5	i	
	6/15/2005	31.87	7.63	ND<0.5	1.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.3	ND<0.5	8.8	9.9	ND<0.5	i	
	9/19/2005	30.35	9.15	0.98	0.87	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.0	ND<0.5	7.1	11	ND<0.5	i	
	12/12/2005	30.39	9.11	1.5	0.75	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.7	ND<0.5	7.0	12	ND<0.5	i	
	3/13/2006	32.15	7.35	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	6.1	ND<0.5	6.8	5.2	ND<0.5	i	
	6/19/2006	22.99	16.51	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.0	ND<0.5	7.8	6.2	ND<0.5		

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

Well ID TOC (#)	Date Sampled	Groundwater Elevation (ft amsl)	Depth to Water (ft)	←-----µg/L-----→											Notes	
				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		
MW-4B 38.54	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	ND<0.5	
	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	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	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	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	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	ND<0.5	i
	3/13/2006	34.61	3.93	--	--	--	--	--	--	--	--	--	--	--	--	
6/19/2006	33.86	4.68	--	--	--	--	--	--	--	--	--	--	--	--		
MW-5B 38.98	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	ND<0.5	
	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	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	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	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	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	ND<0.5	i
	3/13/2006	32.87	6.11	--	--	--	--	--	--	--	--	--	--	--	--	i
	6/19/2006	30.97	8.01	--	--	--	--	--	--	--	--	--	--	--	--	i
MW-6B 37.66	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	ND<0.5	
	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	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	ND<0.5	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	ND<0.5	
	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	ND<0.5	
	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	ND<0.5	h,i
	3/13/2006	32.31	5.35	0.73	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	h
	6/19/2006	29.88	7.78	0.91	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.52	ND<0.5	ND<0.5	ND<0.5	h
MW-1C 39.49	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	ND<0.5	
	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	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	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	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	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	ND<0.5	i
	3/13/2006	32.99	6.50	--	--	--	--	--	--	--	--	--	--	--	--	
	6/19/2006	30.66	8.83	--	--	--	--	--	--	--	--	--	--	--	--	

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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)	µg/L											Notes	
				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		
MW-4C 38.50	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	ND<0.5	
	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	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	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	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	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	ND<0.5	i
	3/13/2006	31.18	7.32	--	--	--	--	--	--	--	--	--	--	--	--	
	6/19/2006	30.90	7.60	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6C 37.59	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		
	11/23/2004	29.21	8.38	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5		
	3/14/2005	31.79	5.80	ND<0.5	ND<0.5	ND<0.5	1.8	1.9	ND<0.5	12	ND<0.5	1.1	ND<0.5	2.3		
	6/15/2005	30.14	7.45	ND<0.5	ND<0.5	ND<0.5	3.1	3.1	ND<0.5	20	0.64	1.4	ND<0.5	5.7		
	9/19/2005	28.79	8.80	ND<0.5	ND<0.5	ND<0.5	2.9	3.0	ND<0.5	18	0.57	1.3	ND<0.5	6.8		
	12/12/2005	29.81	7.78	0.66	ND<0.5	ND<0.5	3.2	3.0	ND<0.5	19	0.61	1.4	ND<0.5	10		
	3/13/2006	32.09	5.50	ND<0.5	ND<0.5	ND<0.5	3.2	3.9	ND<0.5	26	0.61	0.95	ND<0.5	5.1		
	6/19/2006	29.84	7.75	ND<0.5	ND<0.5	ND<0.5	4.0	3.4	ND<0.5	32	0.78	0.96	ND<0.5	11		

Abbreviations:

TOC (ft) = Top of casing elevation in feet above mean sea level (amsl)
 µg/L = micrograms per liter; approximately equal to parts per billion = ppb
 ft = measured in feet
 Halogenated Volatile Organic Compounds analyzed by EPA Method SW8260B.
 ND<0.5 = Not Detected above detection limit cited.
 -- = Not available, not applicable, not analyzed, not measured

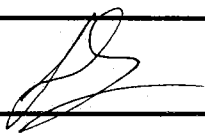
Notes:

a = Total Trihalomethanes
 b = Sample diluted due to high organic content
 h = lighter than water immiscible sheen/product is present
 i = liquid sample that contains greater than ~1 vol. % sediment
 j = sample diluted due to high organic content/matrix interference

Appendix A
Field Data Sheet



WELL GAUGING SHEET

Client: Cambria Environmental Technology Inc.						
Site Address: 1137 - 1167 65th Street, Oakland, CA						
Date: 6/19/2006			Signature: 			
Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-1A	9:40		3.70		14.36	
MW-1B	9:35		16.51		19.71	
MW-1C	9:30		8.83		34.52	
MW-2A	9:05		3.41		11.15	
MW-3A	10:10		4.40		14.00	
MW-4A	9:20		2.56		12.65	
MW-4B	9:15		4.68		20.80	
MW-4C	9:10		7.60		32.00	
MW-5B	8:55		8.01		23.00	
MW-6A	10:00		5.39		14.42	
MW-6B	9:55		7.78		21.93	




WELL SAMPLING FORM

Date:		6/19/2006				
Client:		Cambria Environmental Technology Inc.				
Site Address:		1137 - 1167 65th Street, Oakland, CA				
Well ID:		MW-1A				
Well Diameter:		2"				
Purging Device:		Disposable Bailer				
Sampling Method:		Disposable Bailer				
Total Well Depth:		14.36	Fe= mg/L			
Depth to Water:		3.70	ORP= mV			
Water Column Height:		10.66	DO= mg/L			
Gallons/ft:		0.16				
1 Casing Volume (gal):		1.71	COMMENTS:			
3 Casing Volumes (gal):		5.12				
TIME:	CASING VOLUME (gal)	TEMP (Celsius)			pH	COND. (µS)
1:15	1.7	20.3			8.90	195
1:20	3.4	20.1			8.94	198
1:25	5.1	20.4	8.97	191		
Sample ID:	Sample Date:	Time	Container Type	Preservative	Analytes	Method
MW-1A	6/19/2006	1:30	40 ml VOA, 1 L amber	HCl, ICE	TPHg/ss, BTEX, TPHd, TPHmo, HVOCs	8015, with silica gel clean up, 8021, 8010
Signature:						




WELL SAMPLING FORM

Date:		6/19/2006				
Client:		Cambria Environmental Technology Inc.				
Site Address:		1137 - 1167 65th Street, Oakland, CA				
Well ID:		MW-1B				
Well Diameter:		2"				
Purging Device:		Disposable Bailer				
Sampling Method:		Disposable Bailer				
Total Well Depth:		19.71	Fe=	mg/L		
Depth to Water:		16.51	ORP=	mV		
Water Column Height:		3.20	DO=	mg/L		
Gallons/ft:		0.16				
1 Casing Volume (gal):		0.51	COMMENTS: turbid			
3 Casing Volumes (gal):		1.54				
TIME:	CASING VOLUME (gal)	TEMP (Celsius)			pH	COND. (µS)
12:45	0.5	20.1	6.85	1094		
12:50	1.0	19.8	6.81	1093		
12:55	1.5	19.5	6.80	1096		
Sample ID:	Sample Date:	Time	Container Type	Preservative	Analytes	Method
MW-1B	6/19/2006	1:00	40 ml VOA	HCl, ICE	HVOCs	8010
				Signature:		



WELL SAMPLING FORM

Date:		6/19/2006				
Client:		Cambria Environmental Technology Inc.				
Site Address:		1137 - 1167 65th Street, Oakland, CA				
Well ID:		MW-2A				
Well Diameter:		4"				
Purging Device:		3" PVC Bailer				
Sampling Method:		Disposable Bailer				
Total Well Depth:		11.15		Fe= mg/L		
Depth to Water:		3.41		ORP= mV		
Water Column Height:		7.74		DO= mg/L		
Gallons/ft:		0.65				
1 Casing Volume (gal):		5.03		COMMENTS: very turbid		
3 Casing Volumes (gal):		15.09				
TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH			
10:40	5.0	19.9	7.79	282		
10:45	10.1	19.6	7.74	285		
10:50	15.1	19.6	7.73	277		
Sample ID:	Sample Date:	Time	Container Type	Preservative	Analytes	Method
MW-2A	6/20/2006	10:55	40 ml VOA, 1 L amber	HCl, ICE	TPHg/ss, BTEX, TPHd, TPHmo	8015 with silica gel clean up, 8021
Signature:						



WELL SAMPLING FORM

Date:		6/19/2006				
Client:		Cambria Environmental Technology Inc.				
Site Address:		1137 - 1167 65th Street, Oakland, CA				
Well ID:		MW-3A				
Well Diameter:		2"				
Purging Device:		Disposable Bailer				
Sampling Method:		Disposable Bailer				
Total Well Depth:		14.00	Fe= mg/L			
Depth to Water:		4.40	ORP= mV			
Water Column Height:		9.60	DO= mg/L			
Gallons/ft:		0.16				
1 Casing Volume (gal):		1.54	COMMENTS: odor, very turbid			
3 Casing Volumes (gal):		4.61				
TIME:	CASING VOLUME (gal)	TEMP (Celsius)			pH	COND. (µS)
11:10	1.5	20.6	7.19	593		
11:15	3.1	20.2	7.14	619		
11:20	4.6	20.4	7.12	610		
Sample ID:	Sample Date:	Time	Container Type	Preservative	Analytes	Method
MW-3A	6/20/2006	11:25	40 ml VOA, 1 L amber	HCl, ICE	TPHg/ss, BTEX, TPHd, TPHmo, HVOCs	8015 with silica gel clean up, 8021, 8010
Signature:						




WELL SAMPLING FORM

Date: 6/19/2006						
Client: Cambria Environmental Technology Inc.						
Site Address: 1137 - 1167 65th Street, Oakland, CA						
Well ID: MW-4A						
Well Diameter: 2"						
Purging Device: Disposable Bailer						
Sampling Method: Disposable Bailer						
Total Well Depth: 12.65	Fe= mg/L					
Depth to Water: 2.56	ORP= mV					
Water Column Height: 10.09	DO= mg/L					
Gallons/ft: 0.16						
1 Casing Volume (gal): 1.61	COMMENTS: turbid					
3 Casing Volumes (gal): 4.84						
TIME:		CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)	
10:10		1.6	20.7	10.95	692	
10:15		3.2	21.3	10.71	641	
10:20		4.8	21.4	10.80	652	
Sample ID:	Sample Date:	Time	Container Type	Preservative	Analytes	Method
MW-4A	6/20/2006	10:25	40 ml VOA, 1 L amber	HCl, ICE	TPHg/ss, BTEX, TPHd, TPHmo	8015 with silica gel clean up, 8021
					Signature:	




WELL SAMPLING FORM

Date:		6/19/2006				
Client:		Cambria Environmental Technology Inc.				
Site Address:		1137 - 1167 65th Street, Oakland, CA				
Well ID:		MW-6A				
Well Diameter:		2"				
Purging Device:		Disposable Bailer				
Sampling Method:		Disposable Bailer				
Total Well Depth:		14.42	Fe= mg/L			
Depth to Water:		5.39	ORP= mV			
Water Column Height:		9.03	DO= mg/L			
Gallons/ft:		0.16				
1 Casing Volume (gal):		1.44	COMMENTS: turbid			
3 Casing Volumes (gal):		4.33				
TIME:	CASING VOLUME (gal)	TEMP (Celsius)			pH	COND. (μS)
12:20	1.4	21.0	7.02	447		
12:25	2.9	20.7	6.98	469		
12:30	4.3	20.9	6.95	461		
Sample ID:	Sample Date:	Time	Container Type	Preservative	Analytes	Method
MW-6A	6/19/2006	12:30	40 ml VOA, 1 L amber	HCl, ICE	TPHg/ss, BTEX, TPHd, TPHmo, HVOCs	8015 with silica gel clean up, 8021, 8010
Signature: 						



WELL SAMPLING FORM

Date:		6/19/2006				
Client:		Cambria Environmental Technology Inc.				
Site Address:		1137 - 1167 65th Street, Oakland, CA				
Well ID:		MW-6B				
Well Diameter:		2"				
Purging Device:		Disposable Bailer				
Sampling Method:		Disposable Bailer				
Total Well Depth:		21.93		Fe= mg/L		
Depth to Water:		7.78		ORP= mV		
Water Column Height:		14.15		DO= mg/L		
Gallons/ft:		0.16				
1 Casing Volume (gal):		2.26		COMMENTS:		
3 Casing Volumes (gal):		6.79				
TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)		
11:50	2.3	2.20	7.25	800		
11:55	4.5	19.7	7.29	763		
12:00	6.8	19.7	7.23	771		
Sample ID:	Sample Date:	Time	Container Type	Preservative	Analytes	Method
MW-6B	6/19/2006	12:05	40 ml VOA, 1 L amber	HCl, ICE	TPHg/ss, BTEX, TPHd, TPHmo, HVOCs	8015 with silica gel clean up, 8021
Signature: 						



WELL SAMPLING FORM

Date:		6/19/2006				
Client:		Cambria Environmental Technology Inc.				
Site Address:		1137 - 1167 65th Street, Oakland, CA				
Well ID:		MW-6C				
Well Diameter:		2"				
Purging Device:		Disposable Bailer				
Sampling Method:		Disposable Bailer				
Total Well Depth:		33.84	Fe= mg/L			
Depth to Water:		7.75	ORP= mV			
Water Column Height:		26.09	DO= mg/L			
Gallons/ft:		0.16				
1 Casing Volume (gal):		4.17	COMMENTS:			
3 Casing Volumes (gal):		12.52				
TIME:	CASING VOLUME (gal)	TEMP (Celsius)			pH	COND. (µS)
10:40	4.2	20.5	7.30	1129		
10:50	8.3	20.4	7.26	1121		
11:00	12.5	20.5	7.25	1103		
Sample ID:	Sample Date:	Time	Container Type	Preservative	Analytes	Method
MW-6C	6/19/2006	11:05	40 ml VOA,	HCl, ICE	HVOCs	8010
Signature:						

Appendix B
Laboratory Analytical Report



McC Campbell Analytical, Inc.

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

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #522-1000; Nady Systems	Date Sampled: 06/19/06
		Date Received: 06/20/06
	Client Contact: Matt Meyers	Date Reported: 06/27/06
	Client P.O.:	Date Completed: 06/27/06

WorkOrder: 0606423

June 27, 2006

Dear Matt:

Enclosed are:

- 1). the results of 9 analyzed samples from your #522-1000; Nady Systems project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions please contact me. McC Campbell 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



McC Campbell Analytical, Inc.

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

Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608

Client Project ID: #522-1000; Nady Systems
Client Contact: Matt Meyers
Client P.O.:

Date Sampled: 06/19/06
Date Received: 06/20/06
Date Extracted: 06/20/06
Date Analyzed: 06/21/06

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

Extraction method: SW3510C/3630C

Analytical methods: SW8015C

Work Order: 0606423


Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0606423-001B	MW-1A	W	2600,n	ND	1	105
0606423-003B	MW-2A	W	530,d,g,i	420	1	117
0606423-004B	MW-3A	W	19,000,n,g,b,h	1000	1	104
0606423-005B	MW-4A	W	72,f	ND	1	106
0606423-006B	MW-6A	W	7800,n,g,h	260	1	107
0606423-007B	MW-6B	W	7700,n,g,h	310	1	105
0606423-009B	MW-7A	W	36,000,n,g,b,h,i	1300	1	116

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

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

#) cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract; &) low or no surrogate due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to matrix interference; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

 Angela Rydelius, Lab Manager



McC Campbell Analytical, Inc.

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 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: 06/19/06
		Date Received: 06/20/06
	Client Contact: Matt Meyers	Date Extracted: 06/22/06-06/26/06
	Client P.O.:	Date Analyzed: 06/22/06-06/26/06

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

Extraction Method: SW5030B

Analytical Method: SW8021B/8015Cm

Work Order: 0606423

Lab ID	0606423-001A	0606423-003A	0606423-004A	0606423-005A	Reporting Limit for DF=1	
Client ID	MW-1A	MW-2A	MW-3A	MW-4A		
Matrix	W	W	W	W		
DF	1	1	10	1		

Compound	Concentration				ug/kg	ug/L
	TPH(g)	2200	270	8000	ND	NA
TPH(ss)	3500	180	16,000	ND	NA	50
MTBE	---	---	---	---	NA	5.0
Benzene	0.52	ND	ND<5.0	0.53	NA	0.5
Toluene	ND	1.7	ND<5.0	1.1	NA	0.5
Ethylbenzene	2.9	ND	ND<5.0	ND	NA	0.5
Xylenes	6.7	ND	ND<5.0	1.6	NA	0.5

Surrogate Recoveries (%)

%SS:	90	114	84	108	
Comments	g,m	b,j	g,h		

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in ug/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 McC Campbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; p) see attached narrative.



McC Campbell Analytical, Inc.

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 Telephone : 925-798-1620 Fax : 925-798-1622
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Cambria Env. Technology
 5900 Hollis St, Suite A
 Emeryville, CA 94608

Client Project ID: #522-1000; Nady Systems

Date Sampled: 06/19/06

Date Received: 06/20/06

Client Contact: Matt Meyers

Date Extracted: 06/22/06-06/26/06

Client P.O.:

Date Analyzed: 06/22/06-06/26/06

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

Extraction Method: SW5030B

Analytical Method: SW8021B/8015Cm

Work Order: 0606423

Lab ID	0606423-006A	0606423-007A	0606423-009A	Reporting Limit for DF = 1	
Client ID	MW-6A	MW-6B	MW-7A		
Matrix	W	W	W		
DF	2	2	10		
				S	W

Compound	Concentration			ug/kg	µg/L
	TPH(g)	2300	1700	26,000	NA
TPH(ss)	4600	3300	44,000	NA	50
MTBE	---	---	---	NA	5.0
Benzene	ND<1.0	ND<1.0	ND<5.0	NA	0.5
Toluene	ND<1.0	ND<1.0	ND<5.0	NA	0.5
Ethylbenzene	ND<1.0	ND<1.0	10	NA	0.5
Xylenes	ND<1.0	ND<1.0	ND<5.0	NA	0.5

Surrogate Recoveries (%)

%SS:	82	94	102	
Comments	g,h	g,h	g,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 McC Campbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; p) see attached narrative.



Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608

Client Project ID: #522-1000; Nady Systems
Client Contact: Matt Meyers
Client P.O.:

Date Sampled: 06/19/06
Date Received: 06/20/06
Date Extracted: 06/22/06-06/23/06
Date Analyzed: 06/22/06-06/23/06

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

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0606423

Lab ID	0606423-001C	0606423-002A	0606423-004C	0606423-006C	Reporting Limit for DF =1	
Client ID	MW-1A	MW-1B	MW-3A	MW-6A	S	W
Matrix	W	W	W	W		
DF	1	1	2	1		

Compound	Concentration				µg/kg	µg/L
Bromodichloromethane	ND	ND	ND<1.0	ND	NA	0.5
Bromoform	ND	ND	ND<1.0	ND	NA	0.5
Bromomethane	ND	ND	ND<1.0	ND	NA	0.5
Carbon Tetrachloride	ND	ND	ND<1.0	ND	NA	0.5
Chlorobenzene	ND	ND	9.8	ND	NA	0.5
Chloroethane	ND	ND	ND<1.0	9.4	NA	0.5
2-Chloroethyl Vinyl Ether	ND	ND	ND<2.0	ND	NA	1.0
Chloroform	ND	ND	ND<1.0	ND	NA	0.5
Chloromethane	ND	ND	ND<1.0	ND	NA	0.5
Dibromochloromethane	ND	ND	ND<1.0	ND	NA	0.5
1,2-Dichlorobenzene	ND	ND	ND<1.0	ND	NA	0.5
1,3-Dichlorobenzene	ND	ND	ND<1.0	ND	NA	0.5
1,4-Dichlorobenzene	ND	ND	7.3	ND	NA	0.5
Dichlorodifluoromethane	ND	ND	ND<1.0	ND	NA	0.5
1,1-Dichloroethane	1.8	7.8	ND<1.0	1.1	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	6.2	ND<1.0	ND	NA	0.5
1,1-Dichloroethene	ND	ND	ND<1.0	ND	NA	0.5
cis-1,2-Dichloroethene	15	7.0	ND<1.0	ND	NA	0.5
trans-1,2-Dichloroethene	1.1	ND	ND<1.0	1.0	NA	0.5
1,2-Dichloropropane	ND	ND	ND<1.0	ND	NA	0.5
cis-1,3-Dichloropropene	ND	ND	ND<1.0	ND	NA	0.5
trans-1,3-Dichloropropene	ND	ND	ND<1.0	ND	NA	0.5
Methylene chloride	ND	ND	ND<1.0	ND	NA	0.5
1,1,2,2-Tetrachloroethane	ND	ND	ND<1.0	ND	NA	0.5
Tetrachloroethene	33	ND	ND<1.0	ND	NA	0.5
1,1,1-Trichloroethane	ND	ND	ND<1.0	ND	NA	0.5
1,1,2-Trichloroethane	ND	ND	ND<1.0	ND	NA	0.5
Trichloroethene	9.0	ND	ND<1.0	ND	NA	0.5
Trichlorofluoromethane	ND	ND	ND<1.0	ND	NA	0.5
Vinyl Chloride	3.2	ND	ND<1.0	1.3	NA	0.5

Surrogate Recoveries (%)

%SS1:	115	111	111	116	
%SS2:	100	101	82	93	
%SS3:	104	102	99	105	
Comments			h	h	

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

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

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

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

Angela Rydelius, Lab Manager



McC Campbell Analytical, Inc.

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Cambria Env. Technology
 5900 Hollis St, Suite A
 Emeryville, CA 94608

Client Project ID: #522-1000; Nady Systems
 Client Contact: Matt Meyers
 Client P.O.:

Date Sampled: 06/19/06
 Date Received: 06/20/06
 Date Extracted: 06/22/06-06/23/06
 Date Analyzed: 06/22/06-06/23/06

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

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0606423

Lab ID	0606423-007C	0606423-008A	0606423-009C	Reporting Limit for DF =1	
Client ID	MW-6B	MW-6C	MW-7A	S	W
Matrix	W	W	W		
DF	1	1	1		

Compound	Concentration			µg/kg	µg/L
Bromodichloromethane	ND	ND	ND	NA	0.5
Bromoform	ND	ND	ND	NA	0.5
Bromomethane	ND	ND	ND	NA	0.5
Carbon Tetrachloride	ND	ND	ND	NA	0.5
Chlorobenzene	ND	ND	ND	NA	0.5
Chloroethane	0.91	ND	ND	NA	0.5
2-Chloroethyl Vinyl Ether	ND	ND	ND	NA	1.0
Chloroform	ND	ND	ND	NA	0.5
Chloromethane	ND	ND	ND	NA	0.5
Dibromochloromethane	ND	ND	ND	NA	0.5
1,2-Dichlorobenzene	ND	ND	ND	NA	0.5
1,3-Dichlorobenzene	ND	ND	ND	NA	0.5
1,4-Dichlorobenzene	ND	ND	ND	NA	0.5
Dichlorodifluoromethane	ND	ND	ND	NA	0.5
1,1-Dichloroethane	0.52	0.96	ND	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	NA	0.5
1,1-Dichloroethene	ND	ND	ND	NA	0.5
cis-1,2-Dichloroethene	ND	32	ND	NA	0.5
trans-1,2-Dichloroethene	ND	0.78	ND	NA	0.5
1,2-Dichloropropane	ND	ND	ND	NA	0.5
cis-1,3-Dichloropropene	ND	ND	ND	NA	0.5
trans-1,3-Dichloropropene	ND	ND	ND	NA	0.5
Methylene chloride	ND	ND	ND	NA	0.5
1,1,2,2-Tetrachloroethane	ND	ND	ND	NA	0.5
Tetrachloroethene	ND	4.0	ND	NA	0.5
1,1,1-Trichloroethane	ND	ND	ND	NA	0.5
1,1,2-Trichloroethane	ND	ND	ND	NA	0.5
Trichloroethene	ND	3.4	ND	NA	0.5
Trichlorofluoromethane	ND	ND	ND	NA	0.5
Vinyl Chloride	ND	11	ND	NA	0.5

Surrogate Recoveries (%)

%SS1:	107	112	104	
%SS2:	92	99	97	
%SS3:	102	102	112	
Comments	h		h,i	

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

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

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

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



QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0606423

EPA Method: SW8021B/8015Cm		Extraction: SW5030B			BatchID: 22289			Spiked Sample ID: 0606428-001A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex) [£]	ND	60	91.3	105	14.3	109	108	1.21	70 - 130	70 - 130
MTBE	ND	10	102	99.9	2.09	125	124	0.758	70 - 130	70 - 130
Benzene	ND	10	85.8	94.2	9.39	105	105	0	70 - 130	70 - 130
Toluene	ND	10	87.2	90.9	4.18	97.7	97.3	0.479	70 - 130	70 - 130
Ethylbenzene	ND	10	93.5	92.9	0.659	103	102	0.308	70 - 130	70 - 130
Xylenes	ND	30	82.3	90	8.90	95	91	4.30	70 - 130	70 - 130
%SS:	99	10	105	103	2.04	101	105	3.82	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 22289 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0606423-001A	6/19/06 1:30 PM	6/22/06	6/22/06 5:46 PM	0606423-003A	6/19/06 10:55 AM	6/23/06	6/23/06 11:56 AM
0606423-004A	6/19/06 11:25 AM	6/22/06	6/22/06 3:55 AM	0606423-005A	6/19/06 10:25 AM	6/26/06	6/26/06 2:54 PM
0606423-006A	6/19/06 12:35 PM	6/22/06	6/22/06 11:39 PM	0606423-007A	6/19/06 12:05 PM	6/23/06	6/23/06 7:25 PM
0606423-009A	6/19/06 11:35 AM	6/22/06	6/22/06 6:26 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.



QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0606423

EPA Method: SW8015C		Extraction: SW3510C/3630C			BatchID: 22290			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	104	107	3.35	N/A	70 - 130
%SS:	N/A	2500	N/A	N/A	N/A	102	106	3.74	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 22290 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0606423-001B	6/19/06 1:30 PM	6/20/06	6/21/06 1:10 PM	0606423-003B	6/19/06 10:55 AM	6/20/06	6/21/06 2:18 PM
0606423-004B	6/19/06 11:25 AM	6/20/06	6/21/06 3:27 PM	0606423-005B	6/19/06 10:25 AM	6/20/06	6/21/06 4:37 PM
0606423-006B	6/19/06 12:35 PM	6/20/06	6/21/06 5:46 PM	0606423-007B	6/19/06 12:05 PM	6/20/06	6/21/06 6:57 PM
0606423-009B	6/19/06 11:35 AM	6/20/06	6/21/06 8:07 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

QA/QC Officer



QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0606423

EPA Method: SW8260B		Extraction: SW5030B			BatchID: 22286			Spiked Sample ID: 0606428-001B		
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	80.7	83.3	3.09	84.5	86	1.72	70 - 130	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND	10	102	93.8	8.23	104	104	0	70 - 130	70 - 130
1,1-Dichloroethene	ND	10	124	119	4.03	119	120	0.587	70 - 130	70 - 130
Trichloroethene	ND	10	78.9	71.3	10.1	80.2	80.8	0.829	70 - 130	70 - 130
%SS1:	111	10	111	98	12.3	106	104	1.36	70 - 130	70 - 130
%SS2:	99	10	91	87	4.22	86	92	7.06	70 - 130	70 - 130
%SS3:	100	10	105	99	5.52	104	108	3.34	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 22286 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0606423-001C	6/19/06 1:30 PM	6/23/06	6/23/06 3:38 PM	0606423-002A	6/19/06 1:00 PM	6/22/06	6/22/06 4:31 AM
0606423-004C	6/19/06 11:25 AM	6/23/06	6/23/06 1:38 PM	0606423-006C	6/19/06 12:35 PM	6/23/06	6/23/06 2:42 PM
0606423-007C	6/19/06 12:05 PM	6/23/06	6/23/06 6:06 PM	0606423-008A	6/19/06 11:05 AM	6/22/06	6/22/06 7:29 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.

QA/QC Officer



QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0606423

EPA Method: SW8260B		Extraction: SW5030B			BatchID: 22304			Spiked Sample ID: 0606441-001C		
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	87.4	85.6	2.09	86.7	88.2	1.69	70 - 130	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND	10	102	103	0.439	98.4	100	2.01	70 - 130	70 - 130
1,1-Dichloroethene	ND	10	74.5	72.3	2.96	103	117	13.1	70 - 130	70 - 130
Trichloroethene	ND	10	82.1	80.3	2.21	80.7	80	0.780	70 - 130	70 - 130
%SS1:	101	10	104	103	1.38	100	98	2.42	70 - 130	70 - 130
%SS2:	104	10	87	86	0.943	92	90	2.82	70 - 130	70 - 130
%SS3:	120	10	99	97	2.17	101	100	0.869	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 22304 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0606423-009C	6/19/06 11:35 AM	6/23/06	6/23/06 6:50 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.

QA/QC Officer

McC Campbell Analytical, Inc.



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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0606423

ClientID: CETE

EDF: YES

Report to:		Bill to:	Requested TAT:	5 days
Matt Meyers	TEL: (510) 420-0700	Accounts Payable		
Cambria Env. Technology	FAX: (510) 420-9170	Cambria Env. Technology	<i>Date Received:</i>	06/20/2006
5900 Hollis St, Suite A	ProjectNo: #522-1000; Nady Systems	5900 Hollis St, Ste. A	<i>Date Printed:</i>	06/20/2006
Emeryville, CA 94608	PO:	Emeryville, CA 94608		

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0606423-001	MW-1A	Water	6/19/06 1:30:00 PM	<input type="checkbox"/>	C	A	A	B								
0606423-002	MW-1B	Water	6/19/06 1:00:00 PM	<input type="checkbox"/>	A											
0606423-003	MW-2A	Water	6/19/06 10:55:00	<input type="checkbox"/>		A		B								
0606423-004	MW-3A	Water	6/19/06 11:25:00	<input type="checkbox"/>	C	A		B								
0606423-005	MW-4A	Water	6/19/06 10:25:00	<input type="checkbox"/>		A		B								
0606423-006	MW-6A	Water	6/19/06 12:35:00	<input type="checkbox"/>	C	A		B								
0606423-007	MW-6B	Water	6/19/06 12:05:00	<input type="checkbox"/>	C	A		B								
0606423-008	MW-6C	Water	6/19/06 11:05:00	<input type="checkbox"/>	A											
0606423-009	MW-7A	Water	6/19/06 11:35:00	<input type="checkbox"/>	C	A		B								

Test Legend:

1	8010BMS_W	2	G-MBTX_W	3	PREF REPORT	4	TPH(DMO)WSG_W	5	
6		7		8		9		10	
11		12							

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.

