R0516

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December 27, 2005

Mr. Don Hwang
Alameda County Department of Environmental Health
UST Local Oversight Program
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Re: **Groundwater Monitoring Report - Fourth Quarter 2005**
Hooshi's Auto Service
1499 MacArthur Boulevard
Oakland, California 94602
Cambria Project #129-0741

Dear Mr. Hwang:

On behalf of Ms. Naomi Gatzke, Cambria Environmental Technology, Inc. (Cambria) has prepared this *Groundwater Monitoring Report – Fourth Quarter 2005* for the referenced site. Presented in the report is a summary of the fourth quarter 2005 activities and results, closure request status, and a description of the anticipated first quarter 2006 activities.

If you have any questions or comments regarding this report, please contact Matthew Meyers at (510) 420-3314 or Mark Jonas at (510) 420-3307.

Sincerely,
Cambria Environmental Technology, Inc.

Mark Jonas, P.G.
Senior Project Manager

Attachments: *Groundwater Monitoring Report - Fourth Quarter 2005*

cc: Ms. Naomi Gatzke, 1545 Scenicview Drive, San Leandro, California
Mr. Dennis Parfitt, State Water Resources Control Board, Division of Water Quality, P.O. Box 2231, Sacramento, California

Cambria Environmental Technology, Inc.

5900 Hollis Street
Suite A
Emeryville, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

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GROUNDWATER MONITORING REPORT - FOURTH QUARTER 2005

Hooshi's Auto Service
1499 MacArthur Boulevard
Oakland, California 94602
Cambria Project #129-0741

December 27, 2005

Prepared for:

Ms. Naomi Gatzke
1545 Scenicview Drive
San Leandro, California 94577

Prepared by:

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Written by:

Matthew Meyers
Project Geologist

To the best of my knowledge and Cambria Environmental Technology, Inc., the data contained herein are true and accurate. The data, findings, recommendations, specifications or professional opinions presented herein were prepared in accordance with generally accepted practice. We make no warranty, either expressed or implied. None of the work performed hereunder shall constitute or be represented as a legal opinion of any kind or nature.

Mark Jonas, P.G.
Senior Project Manager

REGISTERED GEOLOGISTS • MARK L. JONAS No. 6392 • STATE OF CALIFORNIA

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GROUNDWATER MONITORING REPORT - FOURTH QUARTER 2005

Hooshi's Auto Service
1499 MacArthur Boulevard
Oakland, California 94602
Cambria Project #129-0741

December 27, 2005

INTRODUCTION

On behalf of Ms. Naomi Gatzke, Cambria Environmental Technology, Inc. (Cambria) has prepared this *Groundwater Monitoring Report – Fourth Quarter 2005* for the referenced site (Figure 1). Presented in this report is a summary of the fourth quarter 2005 groundwater monitoring activities and results, closure request status, and a description of the anticipated first quarter 2006 activities.

Figure 1 presents recent groundwater elevations and selected hydrochemical data. Table 1 presents recent and historic groundwater level measurements, groundwater elevations, any separate phase hydrocarbons (SPH), and hydrochemical data. Appendix A contains field data sheets for this monitoring event. Appendix B presents the recent laboratory analytical report. Appendix C includes time-series plots with Total Petroleum Hydrocarbons as gasoline (TPHg) and benzene concentrations, and groundwater elevations. Appendix D contains the GeoTracker electronic delivery confirmation documentation.

FOURTH QUARTER 2005 ACTIVITIES

Monitoring Activities

Field Activities: On October 14, 2005, Muskan Environmental Sampling (MES) conducted quarterly monitoring and sampling activities. MES measured well water levels and collected groundwater samples from monitoring wells MW-1 through MW-6 (Figure 1). The groundwater depth measurements have been submitted to the GeoTracker database (Appendix D).

Prior to groundwater sampling, groundwater levels were measured in all monitoring wells. Each monitoring well was then purged before sampling. MES purged at least three well-casing volumes of groundwater from each monitoring well. Field measurements of pH, specific conductance, and temperature of purged groundwater were measured after the extraction of each successive casing volume. Well purging continued until consecutive pH, specific conductance, and temperature measurements appeared to stabilize. Field measurements, purge volumes, and sample collection data were recorded on field sampling data forms, presented in Appendix A.

Sample Analyses: Groundwater samples were analyzed by McCampbell Analytical, Inc. of Pacheco, California, a California-certified laboratory. All groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by modified United States Environmental Protection Agency (EPA) Method SW8015C; and benzene, toluene, ethylbenzene, and total xylenes (BTEX), and methyl tertiary-butyl ether (MTBE) by EPA Method SW8021B. The analytical laboratory report is included in Appendix B. Groundwater analytical results are provided on Table 1 and summarized on Figure 1. Analytical results have been submitted to the GeoTracker database (Appendix D).

Monitoring Results

Groundwater Flow Direction and Gradient: Based on depth-to-water measurements collected during the monitoring event on October 14, 2005, groundwater appears to flow towards the southwest (Figure 1). The groundwater gradient appears to be is relatively flat on-site and increases to 0.209 feet/foot towards the southwest corner of the site. The gradient and flow direction are consistent with historical data. Depth-to-water and groundwater elevation data for the site are presented in Table 1.

Hydrocarbon Distribution in Groundwater: Hydrocarbons were detected in three of the six sampled wells. The highest concentration of TPHg was detected in monitoring well MW-5, at 23,000 micrograms per liter (µg/L). The highest concentrations of benzene and ethylbenzene were detected in monitoring well MW-2, at 380 µg/L and 780 µg/L, respectively. The highest toluene and xylene concentrations were detected in well MW-5, at 370 µg/L and 2,100 µg/L, respectively. No hydrocarbons were detected in wells MW-3, MW-4, and MW-6. No MTBE was in any of the sampled monitoring wells. Compared to the previous quarter, hydrocarbon concentrations increased in well MW-1, decreased significantly in well MW-2, and increased slightly in well MW-5. The concentrations in MW-5 are the highest detected for TPHg since 2001 and BTEX since 2003.

CLOSURE REQUEST STATUS

Based on the decreasing source area, hydrocarbon concentrations and the delineated hydrocarbon plume, Cambria prepared a July 21, 2004 *Closure Request* and an October 6, 2004 *Clarifications Regarding Closure Request* for this relatively low risk groundwater site. During phone discussions between Mr. Don Hwang of ACDEH and Matt Meyers of Cambria, Mr. Hwang recommended continuing quarterly monitoring. As a result, Cambria will continue monitoring activities according to the approved monitoring schedule through 2005 and into 2006 pending the ACDEH's review of the above mentioned documents. On May 6, 2005 a *Petition for Closure* was submitted to the State Water Resources Control Board (SWRCB).

ANTICIPATED FIRST QUARTER 2006 ACTIVITIES

Monitoring Activities

During first quarter 2006, Cambria will measure water levels and collect groundwater samples from monitoring wells MW-1 though MW-6. Monitoring wells MW-1, MW-2, and MW-5 are sampled on a quarterly basis and monitoring wells MW-3, MW-4, and MW-6 are sampled on an annual basis during the fourth quarter. Groundwater samples will be analyzed for TPHg by modified EPA Method SW8015C, and BTEX and MTBE by EPA Method SW8021B. Cambria will prepare a groundwater monitoring report summarizing the monitoring activities and results.

Site Closure Activities

Cambria requests a meeting with ACDEH to facilitate regulatory closure for the site.

ATTACHMENTS

Figure 1 – Groundwater Elevation Contour and Hydrocarbon Concentration Map

Table 1 – Groundwater Elevation and Analytical Data

Appendix A – Groundwater Monitoring Field Data Sheets

Appendix B – Analytical Results for Groundwater Sampling

Appendix C – TPHg and Benzene Concentration Graphs

Appendix D – Electronic Delivery Confirmation

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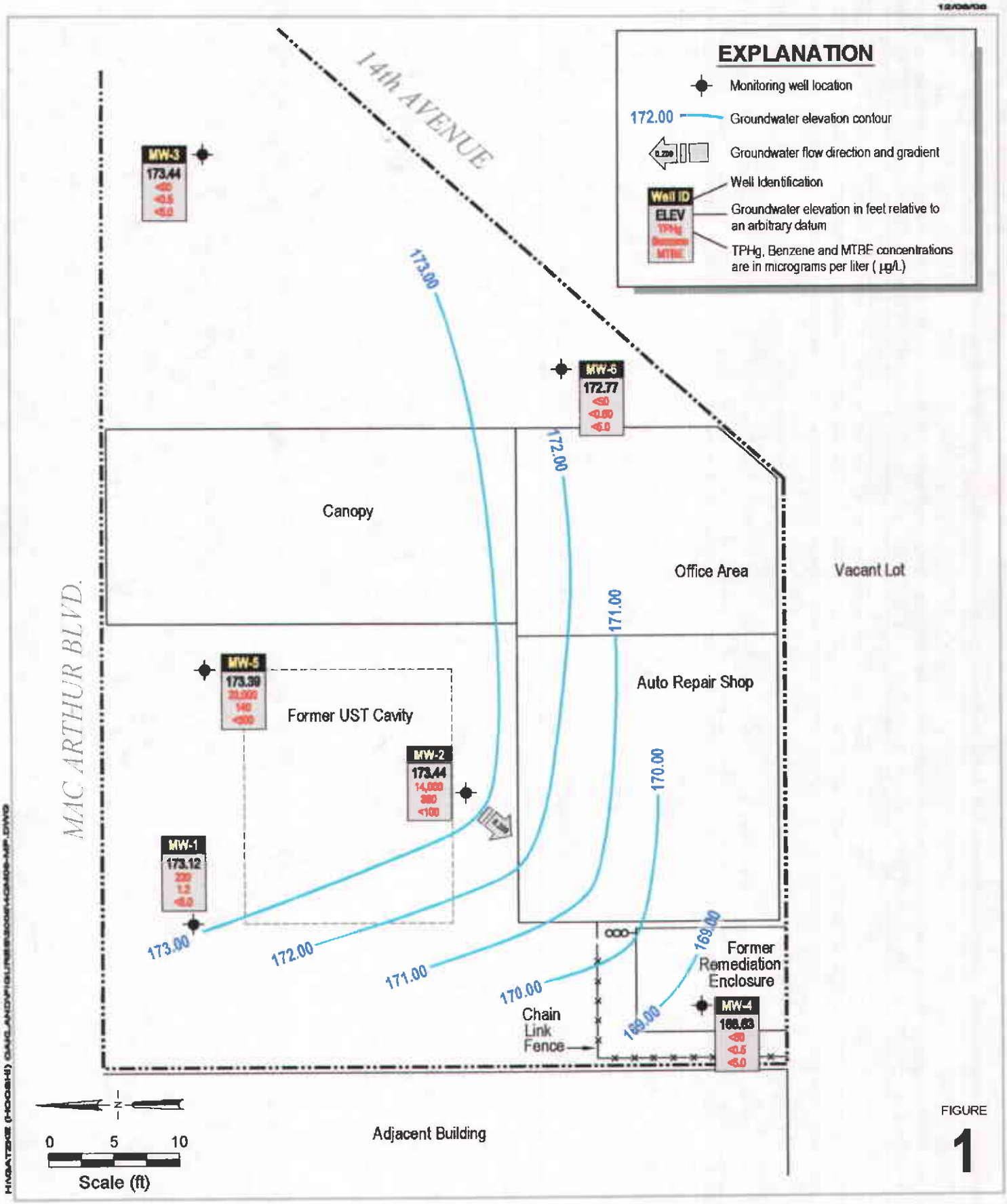

FIGURE

1

Hooshi's Auto Service

1499 MacAurthur Boulevard

Oakland, California

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Groundwater Elevation Contour and Hydrocarbon Concentration Map

October 14, 2005

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Table 1. Groundwater Elevation and Analytical Data - Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, California

Well ID *TOC (ft*)*	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft**)	SPH Thickness (ft)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
					← (µg/L) →						
MW-1	1/4/1993	--	--	--	539	130	12	22	13	--	
181.00	4/22/1993	--	--	--	1,130	75	8.0	38	11	--	
	12/27/1994	--	--	--	770	22	6.6	14	21	--	
	6/27/1996	14.11	166.89	--	3,300	260	34	59	170	80	
	12/10/1996	13.71	167.29	--	1,500	84	11	22	32	34	
	5/8/1998	13.85	167.15	--	3,200	300	12	62	36	<120	a
	8/17/1998	14.11	166.89	--	1,700	160	18	32	27	39	a
	11/4/1998	14.28	166.72	--	1,100	11	4.3	3.6	6.5	<50	a
	2/17/1999	13.41	167.59	--	320	200	47	72	75	57	a
	5/27/1999	14.16	166.84	--	2,500	81	12	29	41	<80	a
	8/19/1999	14.18	166.82	--	780	19	<0.5	5.7	4.5	28	a
180.83	11/23/1999	14.43	166.40	--	1,300	24	0.64	1.8	3.3	<100	a
	2/17/2000	13.85	166.98	--	1,300	60	9.1	22	19	22 (16)	a,b
	5/9/2000	14.01	166.82	--	2,700	55	13	19	25	34 (29)	a
	8/15/2000	14.24	166.59	--	--	--	--	--	--	--	
	12/1/2000	8.75	172.08	--	480	6.4	5.9	1.1	3.9	18 (21)	a
180.63	2/8/2001	8.49	172.14	--	64	<0.5	<0.5	<0.5	<0.5	6.1 (5.6)	a,c
	4/9/2001	8.71	171.92	--	--	--	--	--	--	--	
	4/24/2001	7.90	172.73	--	77	<0.5	<0.5	<0.5	<0.5	5.6 (3.7)	c
	8/6/2001	8.83	171.80	--	140	1.7	0.55	<0.5	0.63	5.8 (4.0)	a
	10/22/2001	8.91	171.72	--	120	0.92	<0.5	<0.5	0.59	11(10)	a
	2/1/2002	8.15	172.48	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	4/19/2002	8.63	172.00	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	7/16/2002	8.79	171.84	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	10/3/2002	8.90	171.73	--	110	<0.5	<0.5	<0.5	<0.5	<5.0	f
	1/10/2003	7.93	172.70	--	<50	<0.5	0.74	<0.5	<0.5	<5.0	
	4/21/2003	8.17	172.46	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	7/9/2003	8.92	171.71	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	10/7/2003	9.13	171.50	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	1/22/2004	8.20	172.43	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	4/2/2004	7.09	173.54	--	110	0.52	<0.5	<0.5	<0.5	<5.0	a
	12/29/2004	6.15	174.48	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	

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Table 1. Groundwater Elevation and Analytical Data - Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, California

Well ID	Date	Depth to Groundwater	Groundwater Elevation	SPH Thickness	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
TOC (ft)*		(ft)	(ft**)	(ft)	← (µg/L) →						
MW-1 cont'd	1/27/2005	7.15	173.48	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	4/6/2005	6.84	173.79	--	140	<0.5	0.55	<0.5	0.70	<5.0	c
	7/28/2005	7.36	173.27	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	10/14/2005	**7.51**	**173.12**	**--**	**220**	**1.2**	**<0.5**	**0.56**	**0.75**	**<5.0**	**a**
MW-2	1/4/1993	--	--	--	149,000	21,700	25,000	ND	7,760	--	
180.45	4/22/1993	--	--	--	136,300	9,900	15,870	15,300	2,190	--	
	12/27/1994	--	--	--	94,000	11,000	18,000	2,700	16,000	--	
	6/27/1996	12.61	168.64	1.00	--	--	--	--	--	--	
	12/10/1996	11.10	169.55	0.25	--	--	--	--	--	--	
	5/8/1998	10.81	169.66	0.03	--	--	--	--	--	--	
	8/17/1998	12.16	168.31	0.02	--	--	--	--	--	--	
	11/4/1998	12.61	167.86	0.02	--	--	--	--	--	--	
	2/17/1999	9.82	170.66	0.04	--	--	--	--	--	--	
	5/27/1999	11.07	169.48	0.13	--	--	--	--	--	--	
	8/19/1999	12.79	167.68	0.02	--	--	--	--	--	--	
180.24	11/23/1999	12.14	168.20	0.12	--	--	--	--	--	--	
	2/17/2000	10.01	170.37	0.18	--	--	--	--	--	--	
	5/9/2000	10.88	169.38	0.03	--	--	--	--	--	--	
	8/15/2000	12.28	167.97	0.01	--	--	--	--	--	--	
	12/1/2000	8.03	172.21	--	260,000	1,100	5,000	1,900	17,000	<100	a
	2/8/2001	7.86	172.38	--	2,900	1.7	14	5.0	140	<5.0	c,d
	4/9/2001	7.95	172.29	--	--	--	--	--	--	--	
	4/24/2001	6.90	173.34	--	56,000	360	980	1,000	4,700	<5.0	a,b
	8/6/2001	8.15	172.09	--	54,000	680	1,900	1,500	7,800	<200 (<10)	a,b,j
	10/22/2001	8.22	172.02	--	32,000	420	770	1,100	4,100	<250	a,b
	2/1/2002	8.07	172.17	--	26,000	310	490	920	1,600	<1,000	a
	4/19/2002	8.60	171.64	--	16,000	300	240	1,000	990	<100	a
	7/16/2002	8.21	172.03	--	5,700	120	18	340	15	<50	a
	10/3/2002	8.14	172.10	--	4,400	44	16	68	20	<25	a
	1/10/2003	6.98	173.26	--	16,000	300	320	580	830	<100	a,b
	4/21/2003	7.25	172.99	--	12,000	350	260	610	380	<50	a

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Well ID *TOC (ft*)*	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft**)	SPH Thickness (ft)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
					← (µg/L) →						
MW-2 cont'd	7/9/2003	7.99	172.25	--	3,300	51	7.4	47	2.8	<17	a
	10/7/2003	8.21	172.03	--	2,400	93	11	34	22	<50	a
	1/22/2004	7.24	173.00	--	5,900	240	130	350	200	<50	a
	4/2/2004	6.29	173.95	--	37,000	840	1,500	1,300	5,900	<500	a
	12/29/2004	5.37	174.87	--	9,300	240	230	330	880	<50	a
	1/27/2005	6.38	173.86	--	37,000	1,200	1,400	1,300	5,200	<250	a
	4/6/2005	5.88	174.36	--	21,000	400	340	780	1,700	<100	a
	7/28/2005	6.61	173.63	--	35,000	690	1,200	1,200	5,200	<500	a
	10/14/2005	**6.80**	**173.44**	--	**14,000**	**380**	**120**	**780**	**1,200**	**<100**	**a, b**
MW-3	1/4/1993	--	--	--	1,610	772	14	11	ND	--	
179.94	4/22/1993	--	--	--	3,040	980	34	19	16	--	
	12/27/1994	--	--	--	2,600	180	9.0	7.2	13	--	
	6/27/1996	13.20	166.74	--	2,000	22	2.9	11	7.4	56	
	12/10/1996	13.13	166.81	--	970	<0.5	<0.5	<0.5	<0.5	24	
	5/8/1998	13.03	166.91	--	780	3.7	2.1	1.1	2.4	<32	a
	8/17/1998	13.22	166.72	--	870	2.8	<0.5	<0.5	3.7	<5.0	b,c
	11/4/1998	13.31	166.63	--	770	1.6	4.4	2.0	6.9	<30	c
	2/17/1999	12.89	167.05	--	650	6.2	3.4	1.5	2.6	<5.0	b,c
	5/27/1999	12.32	167.62	--	570	1.5	1.2	0.72	1.1	<20	a
	8/19/1999	13.19	166.75	--	830	<0.5	1.9	<0.5	1.3	<20	c,d
179.55	11/23/1999	13.26	166.29	--	900	<0.5	1.8	0.56	1.4	<20	c,d
	2/17/2000	12.78	166.77	--	250	<0.5	1.5	<0.5	0.62	<5.0	d
	5/9/2000	12.92	166.63	--	690	<0.5	2.1	0.85	1.6	<5.0	a
	8/15/2000	13.19	166.36	--	610	<0.5	2.3	0.75	1.2	<5.0	c,d
	12/1/2000	7.50	172.05	--	120	<0.5	0.90	0.65	0.62	<5.0	c,d
	2/8/2001	7.20	172.35	--	87	<0.5	<0.5	<0.5	<0.5	<5.0	c,d
	4/9/2001	7.33	172.22	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	8/6/2001	7.61	171.94	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	10/22/2001	7.58	171.97	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	2/1/2002	7.53	172.02	--	<50	<0.5	<0.5	<0.5	<0.5	8.5 (8.5)	
	4/19/2002	7.95	171.60	--	<50	<0.5	<0.5	<0.5	<0.5	9.0 (11)	

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Table 1. Groundwater Elevation and Analytical Data - Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, California

Well ID *TOC (ft*)*	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft**)	SPH Thickness (ft)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
					← (µg/L) →						
MW-3 cont'd	7/16/2002	7.68	171.87	--	<50	<0.5	<0.5	<0.5	<0.5	20 (30)	
	10/3/2002	7.78	171.77	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	1/10/2003	6.91	172.64	--	<50	<0.5	<0.5	<0.5	<0.5	19 (16)	
sampled annually	4/21/2003	7.21	172.34	--	--	--	--	--	--	--	
	7/9/2003	8.05	171.50	--	--	--	--	--	--	--	
	10/7/2003	8.19	171.36	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	1/22/2004	7.13	172.42	--	--	--	--	--	--	--	
	4/2/2004	5.73	173.82	--	--	--	--	--	--	--	
	12/29/2004	4.88	174.67	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	1/27/2005	5.80	173.75	--	--	--	--	--	--	--	
	4/6/2005	5.49	174.06	--	--	--	--	--	--	--	
	7/28/2005	6.02	173.53	--	--	--	--	--	--	--	
	10/14/2005	**6.11**	**173.44**	**--**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	
MW-4	6/27/1996	17.03	163.51	--	720	2	0.5	2.5	23	3.2	
180.54	12/10/1996	8.50	172.04	--	80	2.4	<0.5	<0.5	6.6	<2.0	
	5/8/1998	11.46	169.08	--	<50	0.60	<0.5	<0.5	<0.5	<5.0	
	8/17/1998	13.98	166.56	--	<50	<0.5	<0.5	<0.5	0.5	<5.0	
	11/4/1998	14.36	166.18	--	96	9.7	8.1	4.8	18	<5.0	a
	2/17/1999	8.39	172.15	--	<50	<0.5	<0.5	<0.5	0.5	<5.0	
	5/27/1999	12.80	167.74	--	<50	<0.5	1.0	<0.5	2.9	<5.0	
	8/19/1999	14.42	166.12	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
180.12	11/23/1999	14.63	165.49	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	2/17/2000	8.15	171.97	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	5/9/2000	12.81	167.31	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	8/15/2000	14.29	165.83	--	<50	2.1	<0.5	<0.5	<0.5	<5.0	
	12/1/2000	12.80	167.32	--	81	6.0	8.4	1.0	5.6	<5.0	a
	2/8/2001	12.57	167.55	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	4/9/2001	12.50	167.62	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	8/6/2001	14.00	166.12	--	59	1.5	<0.5	<0.5	<0.5	<5.0	a
	10/22/2001	14.05	166.07	--	130	6.3	<0.5	0.88	<0.5	<5.0	a
	2/1/2002	13.47	166.65	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	

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Table 1. Groundwater Elevation and Analytical Data - Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, California

Well ID *TOC (ft*)*	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft**)	SPH Thickness (ft)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
					← (µg/L) →						
MW-4 cont'd	4/19/2002	13.55	166.57	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	7/16/2002	14.05	166.07	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	10/3/2002	13.09	167.03	--	77	2.1	0.51	<0.5	<0.5	<5.0	a
	1/10/2003	12.04	168.08	--	<50	<0.5	<0.5	<0.5	<0.5	20 (15)	a
sampled annually	4/21/2003	12.15	167.97	--	--	--	--	--	--	--	
	7/9/2003	12.90	167.22	--	--	--	--	--	--	--	
	10/7/2003	13.15	166.97	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	1/22/2004	12.09	168.03	--	--	--	--	--	--	--	
	4/2/2004	8.97	171.15	--	--	--	--	--	--	--	
	12/29/2004	7.85	172.27	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	1/27/2005	8.28	171.84	--	--	--	--	--	--	--	
	4/6/2005	8.07	172.05	--	--	--	--	--	--	--	
	7/28/2005	10.83	169.29	--	--	--	--	--	--	--	
	10/14/2005	**11.49**	**168.63**	**--**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	
MW-5	6/27/1996	13.62	166.74	0.16	--	--	--	--	--	--	
180.23	12/10/1996	13.26	167.77	1.00	--	--	--	--	--	--	
	5/8/1998	13.15	167.11	0.04	--	--	--	--	--	--	
	8/17/1998	13.36	166.89	0.02	--	--	--	--	--	--	
	11/4/1998	13.52	166.73	0.02	--	--	--	--	--	--	
	2/17/1999	13.02	167.23	0.02	--	--	--	--	--	--	
	5/27/1999	13.80	166.71	0.35	--	--	--	--	--	--	
	8/19/1999	13.45	166.86	0.10	--	--	--	--	--	--	
180.09	11/23/1999	14.03	166.35	0.36	--	--	--	--	--	--	
	2/17/2000	13.28	167.02	0.26	--	--	--	--	--	--	

CAMBRIA

Table 1. Groundwater Elevation and Analytical Data - Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, California

Well ID *TOC (ft*)*	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft**)	SPH Thickness (ft)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
					← (µg/L) →						
MW-5 cont'd	5/9/2000	13.55	166.77	0.29	--	--	--	--	--	--	
	8/15/2000	13.58	166.54	0.04	--	--	--	--	--	--	
	12/1/2000	8.00	172.09	0.00	54,000	240	1,700	870	1,000	<300	c,d
180.04	2/8/2001	7.88	172.16	0.00	33,000	63	420	120	4,500	<50	a,b
	4/9/2001	7.97	172.07	0.00	--	--	--	--	--	--	
	4/24/2001	7.00	173.04	0.00	3,200	<1.0	11	7	260	<5.0	c,d
	8/6/2001	8.17	171.87	--	2,700	11	40	21	240	<5.0	a
	10/22/2001	8.15	171.89	--	20,000	200	1,200	330	2,900	<100	a,b
	2/1/2002	8.07	171.97	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	4/19/2002	8.51	171.53	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	7/16/2002	8.40	171.64	--	<50	<0.5	<0.5	<0.5	1.7	<5.0	
	10/3/2002	8.18	171.86	--	15,000	94	830	460	2,200	<500	a
	1/10/2003	6.95	173.09	--	290	<0.5	1.8	<0.5	17	<5.0	a
	4/21/2003	7.18	172.86	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	7/9/2003	7.95	172.09	--	<50	<0.5	<0.5	<0.5	2.7	<5.0	
	10/7/2003	8.22	171.82	--	9,800	120	340	180	2,000	<50	a
	1/22/2004	7.18	172.86	--	250	<0.5	0.82	<0.5	29	<5.0	d
	4/2/2004	6.23	173.81	--	4,300	6.3	18	59	750	<25	a
	12/29/2004	5.27	174.77	--	72	<0.5	0.78	<0.5	6.5	<5.0	d
	1/27/2005	6.25	173.79	--	3,300	<5.0	22	18	320	<50	a
	4/6/2005	5.90	174.14	--	3,100	1.3	6.9	7.2	100	<10	c,d
	7/28/2005	6.50	173.54	--	18,000	53	230	130	2,100	<500	a
	10/14/2005	**6.65**	**173.39**	**--**	**23,000**	**140**	**370**	**240**	**2,100**	**<500**	**a, b**
MW-6	6/27/1996	18.55	161.48	--	ND	ND	ND	ND	ND	--	
180.03	12/10/1999	11.79	168.24	--	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	
	5/8/1998	11.62	168.41	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	8/17/1998	12.66	167.37	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	11/4/1998	13.56	166.47	--	68	3.8	3.7	2.8	11	<5.0	a
	2/17/1999	12.91	167.12	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	5/27/1999	13.03	167.00	--	<50	1.0	1.7	0.82	4.9	<5.0	
	8/19/1999	13.10	166.93	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
179.63	11/23/1999	13.58	166.05	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	

CAMBRIA

Table 1. Groundwater Elevation and Analytical Data - Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, California

Well ID	Date	Depth to Groundwater	Groundwater Elevation	SPH Thickness	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
TOC (ft)*		(ft)	(ft**)	(ft)	← (µg/L) →						
MW-6 cont'd	2/17/2000	10.72	168.91	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	5/9/2000	11.71	167.92	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	8/15/2000	12.49	167.14	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	12/1/2000	8.64	170.99	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	2/8/2001	8.20	171.43	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	4/9/2001	8.53	171.10	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	8/6/2001	8.69	170.94	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	10/22/2001	8.75	170.88	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	2/1/2002	8.31	171.32	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	4/19/2002	8.62	171.01	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	7/16/2002	8.84	170.79	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	10/3/2002	8.71	170.92	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	1/10/2003	6.99	172.64	--	<50	<0.5	<0.5	<0.5	<0.5	19 (16)	
sampled annually	4/21/2003	7.15	172.48	--	--	--	--	--	--	--	
	7/9/2003	7.98	171.65	--	--	--	--	--	--	--	
	10/7/2003	8.28	171.35	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	1/22/2004	7.15	172.48	--	--	--	--	--	--	--	
	4/2/2004	6.56	173.07	--	--	--	--	--	--	--	
	12/29/2004	5.63	174.00	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	1/27/2005	6.66	172.97	--	--	--	--	--	--	--	
	4/6/2005	6.25	173.38	--	--	--	--	--	--	--	
	7/28/2005	6.71	172.92	--	--	--	--	--	--	--	
	10/14/2005	**6.86**	**172.77**	**--**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	
Trip Blank	5/8/1998	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	11/4/1998	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	5/27/1999	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	11/23/1999	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	12/1/2000	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	

CAMBRIA

Table 1. Groundwater Elevation and Analytical Data - Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, California

Well ID	Date	Depth to Groundwater	Groundwater Elevation	SPH Thickness	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
TOC (ft)*		(ft)	(ft**)	(ft)	←			(µg/L)		→	

Abbreviations and Methods:

TOC = Top of casing elevation

ft = Measured in feet

SPH = Separate phase hydrocarbons

TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method SW8015C

Benzene, toluene, ethylbenzene, and xylenes by EPA Method SW8021B

MTBE = Methyl tertiary butyl ether by EPA Method SW8021B

(concentration in parentheses confirmed by EPA Method SW8260B)

µg/L = Micrograms per liter

-- = Not sampled, not analyzed, or not applicable

<n = Concentration less than laboratory reporting limit of n.

ND = Compound not detected, detection limit unknown

* = Wells surveyed to an arbitrary datum

** = Calculated groundwater elevation corrected for SPH by the relation: Groundwater Elevation = Well Elevation - Depth to Water + (0.8xSPH thickness (ft))

*** = Due to the air sparge system running during sampling, samples collected on 4/9/01 were anomalous. Well was resampled on 4/24/01 with the air sparge system off.

Notes:

a - The analytical laboratory noted that unmodified or weakly modified gasoline is significant.

b - The analytical laboratory noted lighter than water immiscible sheen is present.

c - The analytical laboratory noted no recognizable pattern.

d - The analytical laboratory noted heavier gasoline range compounds are significant (aged gasoline?)

f - The analytical laboratory noted one to a few isolated non-target peaks present

j - The analytical laboratory noted sample diluted due to high organic content.

APPENDIX A

Groundwater Monitoring Field Data Sheets

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL GAUGING SHEET

Client: Cambria Environmental Technology Inc.

Site Address: 1499 MacArthur Boulevard Oakland, CA

Date: 10/14/2005 **Signature:**

Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-1	9:29		7.51		20.01	
MW-2	9:38		6.80		19.76	
MW-3	9:25		6.11		19.94	
MW4	9:18		11.49		19.88	
MW-5	9:34		6.65		14.70	
MW-6	9:22		6.86		20.10	

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	10/14/2005
Client:	Cambria Environmental Technology Inc.
Site Address:	1499 MacArthur Boulevard Oakland, CA
Well ID:	MW-1
Well Diameter:	2"
Purging Device:	Disposable Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	20.01	**Fe=**	**mg/L**
Depth to Water:	7.51	**ORP=**	**mV**
Water Column Height:	12.50	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	2.00		
3 Casing Volumes (gal):	6.00		

COMMENTS:
turbid

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
10:40	2.0	19.5	7.04	790
10:43	4.0	19.7	6.98	728
10:47	6.0	19.0	6.95	745

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-1	10/14/2005	10:50	Voa	HCl, ICE	TPHg, BTEX, MTBE	8015, 8020, confirm by 8260

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	10/14/2005
Client:	Cambria Environmental Technology Inc.
Site Address:	1499 MacArthur Boulevard Oakland, CA
Well ID:	MW-2
Well Diameter:	2"
Purging Device:	Disposable Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	19.76	**Fe=**	**mg/L**
Depth to Water:	6.80	**ORP=**	**mV**
Water Column Height:	12.96	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	2.07		
3 Casing Volumes (gal):	6.22		

COMMENTS:
turbid, odor, sheen

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
11:20	2.1	19.8	6.72	602
11:23	4.1	20.1	6.78	638
11:26	6.2	20.1	6.80	616

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-2	10/14/2005	11:30	Voa	HCl, ICE	TPHg, BTEX, MTBE	8015, 8020, confirm by 8260
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	10/14/2005
Client:	Cambria Environmental Technology Inc.
Site Address:	1499 MacArthur Boulevard Oakland, CA
Well ID:	MW-3
Well Diameter:	2"
Purging Device:	Disposable Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	19.94	**Fe=**	**mg/L**
Depth to Water:	6.11	**ORP=**	**mV**
Water Column Height:	13.83	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	2.21		
3 Casing Volumes (gal):	6.64		

COMMENTS:
turbid

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
10:20	2.2	19.9	7.10	622
10:24	4.4	19.9	7.22	654
10:28	6.6	19.9	7.20	650

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-3	10/14/2005	10:30	Voa	HCl, ICE	TPHg, BTEX, MTBE	8015, 8020, confirm by 8260

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	10/14/2005
Client:	Cambria Environmental Technology Inc.
Site Address:	1499 MacArthur Boulevard Oakland, CA
Well ID:	MW-4
Well Diameter:	2"
Purging Device:	Disposable Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	19.88	**Fe=**	**mg/L**
Depth to Water:	11.49	**ORP=**	**mV**
Water Column Height:	8.39	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	1.34	**COMMENTS:**	
3 Casing Volumes (gal):	4.03		

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
9:45	1.3	20.1	7.04	743
9:47	2.7	19.9	6.91	710
9:50	4.0	20.3	6.90	695

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-4	10/14/2005	9:55	Voa	HCl, ICE	TPHg, BTEX, MTBE	8015, 8020, confirm by 8260
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	10/14/2005
Client:	Cambria Environmental Technology Inc.
Site Address:	1499 MacArthur Boulevard Oakland, CA
Well ID:	MW-5
Well Diameter:	2"
Purging Device:	Disposable Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	14.70	**Fe=**	**mg/L**
Depth to Water:	6.65	**ORP=**	**mV**
Water Column Height:	8.05	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	1.29		
3 Casing Volumes (gal):	3.86		

COMMENTS:
turbid, odor, sheen

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
11:00	1.3	19.7	7.05	412
11:02	2.6	20.2	7.00	428
11:04	3.9	20.1	7.02	435

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-5	10/14/2005	11:10	Voa	HCl, ICE	TPHg, BTEX, MTBE	8015, 8020, confirm by 8260
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	10/14/2005
Client:	Cambria Environmental Technology Inc.
Site Address:	1499 MacArthur Boulevard Oakland, CA
Well ID:	MW-6
Well Diameter:	2"
Purging Device:	Disposable Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	20.10	**Fe=**	**mg/L**
Depth to Water:	6.86	**ORP=**	**mV**
Water Column Height:	13.24	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	2.12	**COMMENTS:**	
3 Casing Volumes (gal):	6.36		

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
10:00	2.1	19.9	7.00	971
10:03	4.2	18.7	6.94	915
10:05	6.4	18.5	6.93	929

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-6	10/14/2005	10:10	Voa	HCl, ICE	TPHg, BTEX, MTBE	8015, 8020, confirm by 8260
				Signature:		

APPENDIX B

Analytical Results for Groundwater Sampling

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: #129-074; Hooshi's	Date Sampled: 10/14/05
5900 Hollis St, Suite A		Date Received: 10/14/05
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Reported: 10/21/05
	Client P.O.:	Date Completed: 10/21/05

WorkOrder: 0510261

October 21, 2005

Dear Matt:

Enclosed are:

1). the results of **6** analyzed samples from your **#129-074; Hooshi's 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 So. ,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: #129-074; Hooshi's	Date Sampled: 10/14/05
5900 Hollis St, Suite A		Date Received: 10/14/05
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 10/15/05-10/17/05
	Client P.O.:	Date Analyzed: 10/15/05-10/17/05

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B | Analytical methods: SW8021B/8015Cm | Work Order: 0510261

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-1	W	220,a	ND	1.2	ND	0.56	0.75	1	114
002A	MW-2	W	14,000,a,h	ND<100	380	120	780	1200	20	105
003A	MW-3	W	ND	ND	ND	ND	ND	ND	1	100
004A	MW-4	W	ND	ND	ND	ND	ND	ND	1	98
005A	MW-5	W	23,000,a,h	ND<500	140	370	240	2100	100	100
006A	MW-6	W	ND	ND	ND	ND	ND	ND	1	102

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
	S	NA	NA	NA	NA	NA	NA	1	mg/Kg

* 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, #[illegible] acheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0510261

EPA Method: SW8021B/8015Cm **Extraction: SW5030B** **BatchID: 18535** **Spiked Sample ID: 0510257-004A**

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
TPH(btex)£	ND	60	107	105	2.40	109	109	0	70 - 130	70 - 130
MTBE	ND	10	99.5	92.1	7.67	91.7	94.4	2.89	70 - 130	70 - 130
Benzene	ND	10	93.9	86.8	7.77	86	88.6	2.87	70 - 130	70 - 130
Toluene	ND	10	93.5	84.6	9.98	88.3	90.8	2.84	70 - 130	70 - 130
Ethylbenzene	ND	10	94.5	91.9	2.75	89.6	92.4	3.01	70 - 130	70 - 130
Xylenes	ND	30	95	94.3	0.704	90.3	94.7	4.68	70 - 130	70 - 130
%SS:	109	10	98	95	2.66	93	95	2.28	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 18535 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0510261-001A	0/14/05 10:50 AM	10/15/05	10/15/05 3:09 AM	0510261-002A	0/14/05 11:30 AM	10/17/05	10/17/05 8:20 PM
0510261-003A	0/14/05 10:30 AM	10/15/05	10/15/05 5:53 AM				

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

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

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

£ 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, #L., Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0510261

EPA Method: SW8021B/8015Cm	Extraction: SW5030B	BatchID: 18550	Spiked Sample ID: 0510291-002A

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	107	112	4.29	111	108	2.69	70 - 130	70 - 130
MTBE	ND	10	94	94.6	0.667	96.8	97.1	0.328	70 - 130	70 - 130
Benzene	ND	10	85.7	92.2	7.34	92.1	95.5	3.70	70 - 130	70 - 130
Toluene	ND	10	86.7	93.7	7.81	93.3	96.1	2.94	70 - 130	70 - 130
Ethylbenzene	ND	10	89.5	94.7	5.57	96.5	95.4	1.22	70 - 130	70 - 130
Xylenes	ND	30	90.7	94.7	4.32	99.3	95.3	4.11	70 - 130	70 - 130
%SS:	101	10	93	96	2.77	95	100	4.49	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 18550 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0510261-004A	10/14/05 9:55 AM	10/15/05	10/15/05 6:26 AM	0510261-005A	0/14/05 11:10 AM	10/15/05	10/15/05 7:31 AM
0510261-006A	0/14/05 10:10 AM	10/15/05	10/15/05 8:04 AM				

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

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

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

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

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

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

DHS Certification No. 1644

QA/QC Officer

0510201 CETE

McCAMPBELL ANALYTICAL, INC.

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

CHAIN OF CUSTODY RECORD

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

EDF Required? (Yes) No

Report To: Matt Meyers Bill To: Cambria Environmental Tech.
Company: Cambria Environmental Technology
5900 Hollis Street
Emeryville, CA 94608 E-Mail: mmeyers@cambria-env.com
Tele: 510-420-3314 Fax: 510-420-9170
Project #: 129-074 Project Name: Hooshi's
Project Location: 1499 MacArthur Blvd. Oakland, CA
Sampler Signature: Muskan Environmental Sampling LB

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other
MW-1		10-14-05	10:50	3	VOA	X					X	X		
MW-2			11:30											
MW-3			10:30											
MW-4			9:55											
MW-5			11:10											
MW-6			10:10	7										
TB		↓		1	↓	↓					↓	↓		

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 625 / 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	confirm all MTBE by 8260	Other	Comment
X												X		Filter Samples f Metals analysis: Yes / No
X												X		
														Hold

Relinquished By:	Date:	Time:	Received By:
	10-14-05	1222	
Relinquished By:	Date:	Time:	Received By:

ICE/ ✓
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: 0510261 **ClientID: CETE** **EDF: YES**

Report to:
Matt Meyers
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #129-074; Hooshi's
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 5 days
Date Received: 10/14/2005
Date Printed: 10/14/2005

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0510261-001	MW-1	Water	10/14/2005	☐	A	A													
0510261-002	MW-2	Water	10/14/2005	☐	A	A													
0510261-003	MW-3	Water	10/14/2005	☐	A	A													
0510261-004	MW-4	Water	10/14/2005	☐	A	A													
0510261-005	MW-5	Water	10/14/2005	☐	A	A													
0510261-006	MW-6	Water	10/14/2005	☐	A	A													
0510261-007	TB	Water		☑	A	A													

Test Legend:

1	G-MBTEX_W	2	PREDF REPORT	3		4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Juanita Venegas

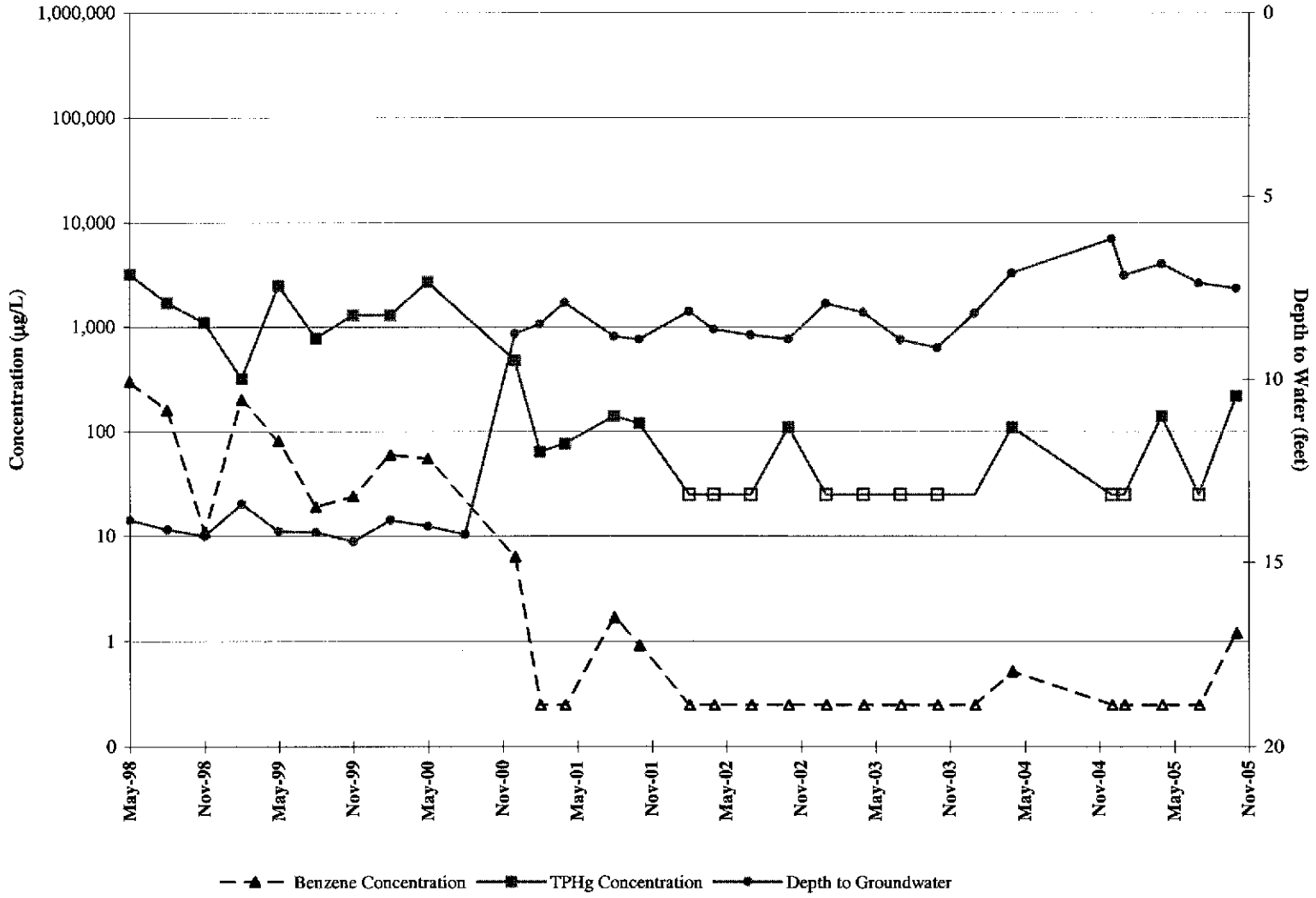
Comments:

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

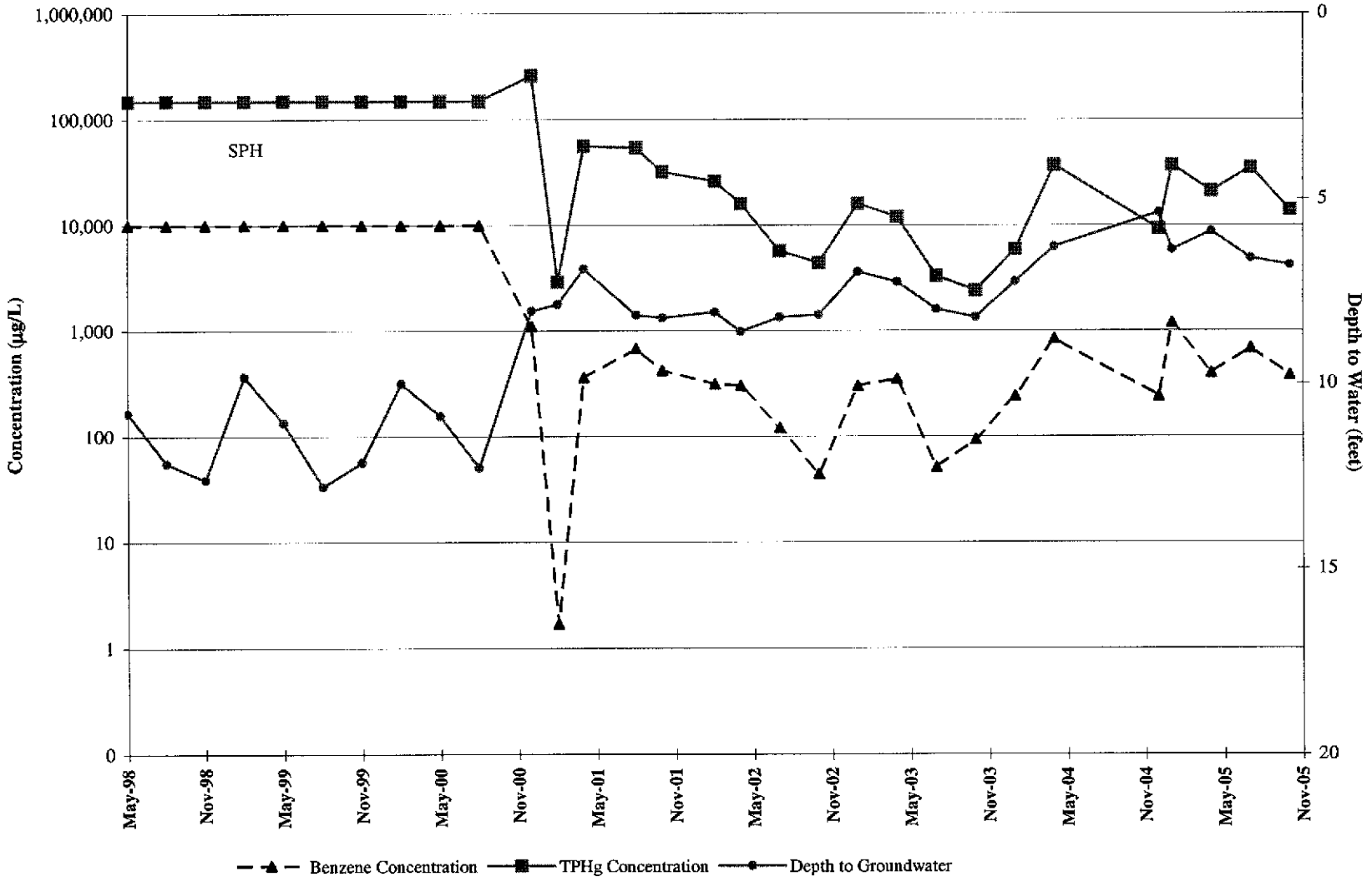
APPENDIX C

TPHg and Benzene Concentration Graphs

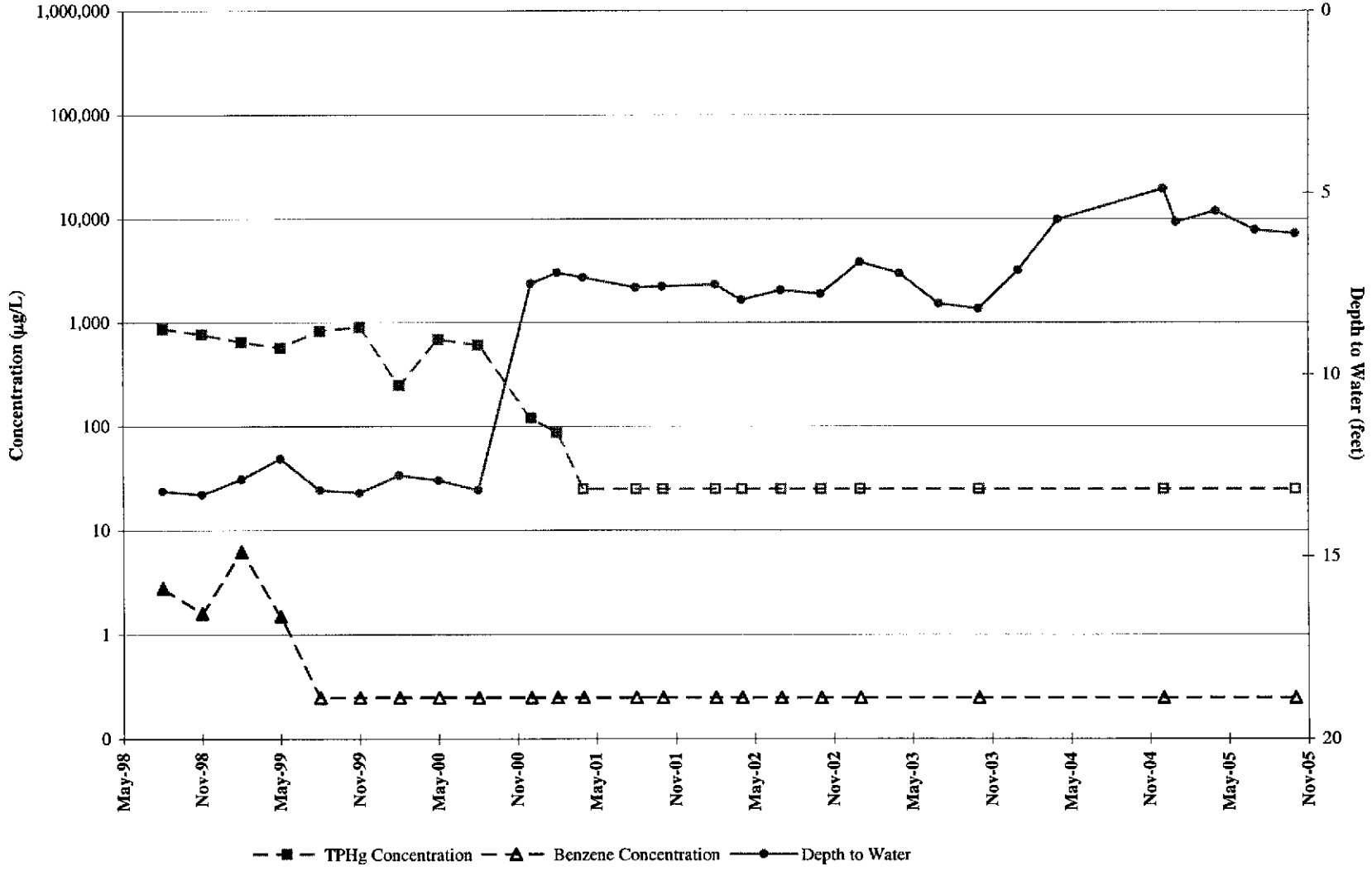
Monitoring Well MW-1
TPHg and Benzene Concentration Trend
Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, CA



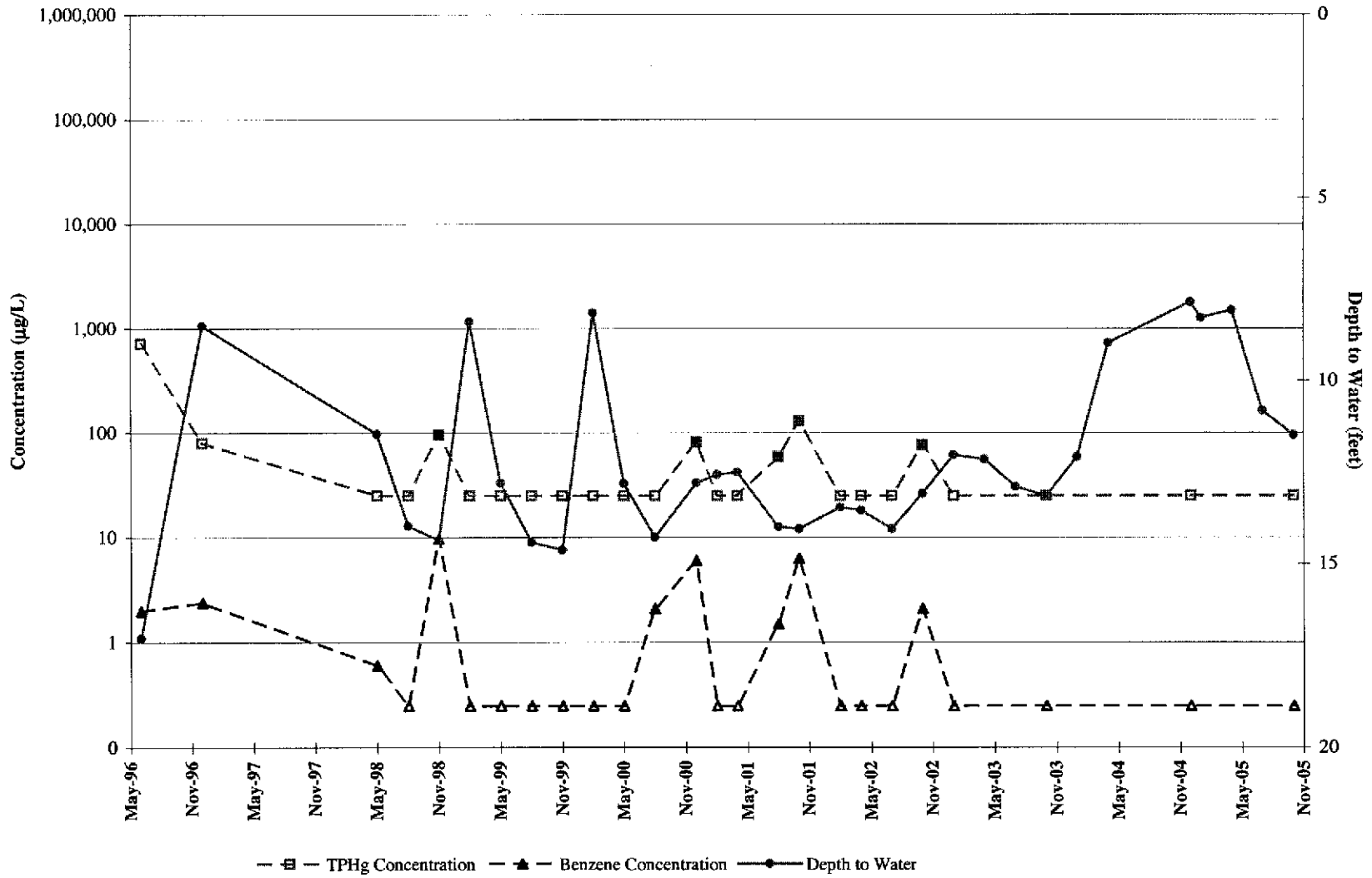
Monitoring Well MW-2
TPHg and Benzene Concentration Trend
Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, CA

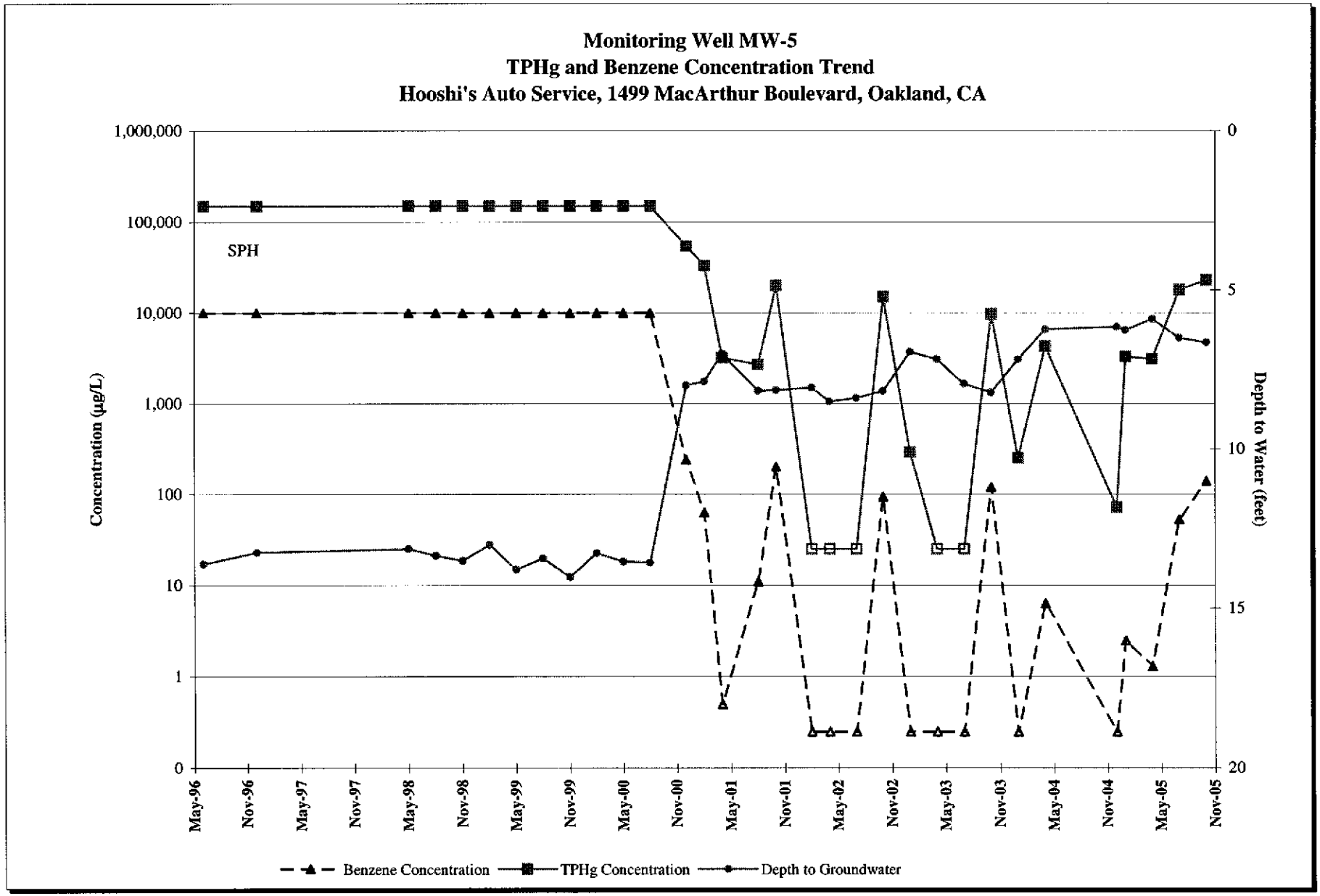


Monitoring Well MW-3
TPHg and Benzene Concentration Trend
Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, CA



Monitoring Well MW-4
TPHg and Benzene Concentration Trend
Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, CA




Monitoring Well MW-5
TPHg and Benzene Concentration Trend
Hooshi's Auto Service, 1499 MacArthur Boulevard, Oakland, CA
Concentration (µg/L)
Depth to Water (feet)
1,000,000
100,000
10,000
1,000
100
10
1
0
SPH
0
5
10
15
20
May-96
Nov-96
May-97
Nov-97
May-98
Nov-98
May-99
Nov-99
May-00
Nov-00
May-01
Nov-01
May-02
Nov-02
May-03
Nov-03
May-04
Nov-04
May-05
Nov-05
Benzene Concentration
TPHg Concentration
Depth to Groundwater

APPENDIX D

Electronic Delivery Confirmations

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

UPLOADING A GEO_WELL FILE

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Title:	**4th Qtr 2005 GW Monitoring Report**
Submittal Date/Time:	**12/21/2005 3:02:27 PM**
Confirmation Number:	**5381825089**

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Electronic Submittal Information

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Your EDF file has been successfully uploaded!

Confirmation Number: 1818156361
Date/Time of Submittal: 12/21/2005 3:03:32 PM
Facility Global ID: T0600100714
Facility Name: HOOSHI'S AUTO SERVICE
Submittal Title: 4th Qtr 2005 GW Monitoring Report
Submittal Type: GW Monitoring Report

Click here to view the detections report for this upload.

HOOSHI'S AUTO SERVICE
1499 MACARTHUR BLVD
OAKLAND, CA 94602

Regional Board - Case #: 01-0777
SAN FRANCISCO BAY RWQCB (REGION 2) - **(BG)**
Local Agency (lead agency) - Case #: 3597
ALAMEDA COUNTY LOP

CONF #	TITLE	QUARTER
1818156361	4th Qtr 2005 GW Monitoring Report	Q4 2005

SUBMITTED BY	SUBMIT DATE	STATUS
Matt Meyers	12/21/2005	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	6
# FIELD POINTS WITH DETECTIONS	3
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	3
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	SW8021F
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- SW8021F REQUIRES ETBE TO BE TESTED	
- SW8021F REQUIRES TAME TO BE TESTED	
- SW8021F REQUIRES DIPE TO BE TESTED	
- SW8021F REQUIRES TBA TO BE TESTED	
- SW8021F REQUIRES DCA12 TO BE TESTED	
- SW8021F REQUIRES EDB TO BE TESTED	
LAB NOTE DATA QUALIFIERS	N

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	Y
- MATRIX SPIKE DUPLICATE	Y
- BLANK SPIKE	Y
- SURROGATE SPIKE - NON-STANDARD SURROGATE USED	Y

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	Y
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	Y

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

FIELD QC SAMPLES

SAMPLE	COLLECTED	DETECTIONS > REPDL
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

Logged in as CAMBRIA-EM (AUTH_RP) CONTACT SITE ADMINISTRATOR.