RO 516

CAMBRIA

February 4, 2004

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 2003**
Hooshi's Auto Service
1499 MacArthur Boulevard
Oakland, California 94602
Cambria Project No. 129-0741

Dear Mr. Hwang:

On behalf of Ms. Naomi Gatzke, Cambria Environmental Technology, Inc. (Cambria) has prepared this *Groundwater Monitoring Report* for the above-referenced site. Presented in the report are the fourth quarter 2003 activities and the anticipated first quarter 2004 activities.

If you have any questions or comments regarding this report, please call me at (510) 420-3314.

Sincerely,
Cambria Environmental Technology, Inc.

Matthew A. Meyers
Senior Staff Geologist

Attachments: Groundwater Monitoring Report, Fourth Quarter 2003

cc: Ms. Naomi Gatzke, 1545 Scenic View Drive, San Leandro, California 94577

Cambria Environmental Technology, Inc.

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

CAMBRIA

GROUNDWATER MONITORING REPORT

FOURTH QUARTER 2003

Hooshi's Auto Service
1499 MacArthur Boulevard
Oakland, California 94602
Cambria Project No. 129-0741

February 4, 2004

Prepared for:

Ms. Naomi Gatzke
1545 Scenic View Drive
San Leandro, California 94577

Prepared by:

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

Written by:

Matthew A. Meyers
Senior Staff Geologist

REGISTERED GEOLOGIST
RONALD A. SCHEELE
No. 6842
STATE OF CALIFORNIA

Ron Scheele, R.G.
Senior Geologist

CAMBRIA

GROUNDWATER MONITORING REPORT

FOURTH QUARTER 2003

Hooshi's Auto Service
1499 MacArthur Boulevard
Oakland, California 94602
Cambria Project No. 129-0741

February 4, 2004

INTRODUCTION

On behalf of Ms. Naomi Gatzke, Cambria Environmental Technology, Inc. (Cambria) has prepared this *Groundwater Monitoring Report* for the above-referenced site (see Figure 1). Presented in this report are the fourth quarter 2003 groundwater monitoring activities and results and the anticipated first quarter 2004 activities.

FOURTH QUARTER 2003 ACTIVITIES

Monitoring Activities

Field Activities: On October 7, 2003, Cambria gauged water levels and sampled groundwater in monitoring wells MW-1 through MW-6 as according to the sampling schedule. Field data sheets are presented as Appendix A. The well gauging data has been submitted to the Geotracker database. See Appendix D for the Geotracker electronic delivery confirmation.

Sample Analyses: Groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by modified EPA Method 8015Cm; and benzene, toluene, ethylbenzene, xylenes (BTEX), and methyl tertiary butyl ether (MTBE) by EPA Method 8021B. The groundwater analytical results are summarized in Table 1. The laboratory analytical report is included as Appendix B. The groundwater analytical results have been submitted to the Geotracker database. See Appendix D for the Geotracker electronic delivery confirmation.

Monitoring Results

Groundwater Flow Direction and Gradient: Based on field measurements collected on October 7, 2003, groundwater beneath the site generally flows toward the southwest (Figure 1). The groundwater gradient is relatively flat onsite and increases to 0.206 ft/ft towards the southwest corner of the site. Depth to water and groundwater elevation data are presented in Table 1.

Hydrocarbon Distribution in Groundwater: Hydrocarbons were detected in two of the six wells sampled. The maximum concentrations were detected in well MW-5 at 9,800 micrograms per liter (µg/L) of TPHg and 120 µg/L of benzene. No MTBE was detected in any of the six monitoring wells. Overall, hydrocarbon concentrations decreased or remained at relatively similar levels as compared with the previous quarters. All wells continue to exhibit decreasing hydrocarbon concentration trends. See Appendix C for TPHg and benzene concentrations versus time graphs for each well.

ANTICIPATED FIRST QUARTER 2004 ACTIVITIES

Monitoring Activities

Cambria will gauge water levels and collect groundwater samples from all wells. As per phone discussions with Mr. Don Hwang of the Alameda County Department of Environmental Health (ACDEH), the well sampling schedule has been reduced so that wells MW-1, MW-2, and MW-5 will be sampled on a quarterly basis and wells MW-3, MW-4, and MW-6 will be sampled on an annual basis (during the fourth quarter). Groundwater samples will be analyzed for TPHg by Modified EPA Method 8015 and BTEX and MTBE by EPA Method 8021. MTBE concentrations will be confirmed by EPA Method 8260. Cambria will prepare a groundwater monitoring report summarizing the monitoring activities and results.

Site Closure Activities

Based on the decreasing concentrations and the stable plume confirmation, Cambria will begin preparation of a Closure Request Report for this low risk groundwater 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 Confirmations

Hooshi's Auto Service

1499 MacAurthur Boulevard
Oakland, California

CAMBRIA

Groundwater Elevation Contour and Hydrocarbon Concentration Map

October 7, 2003

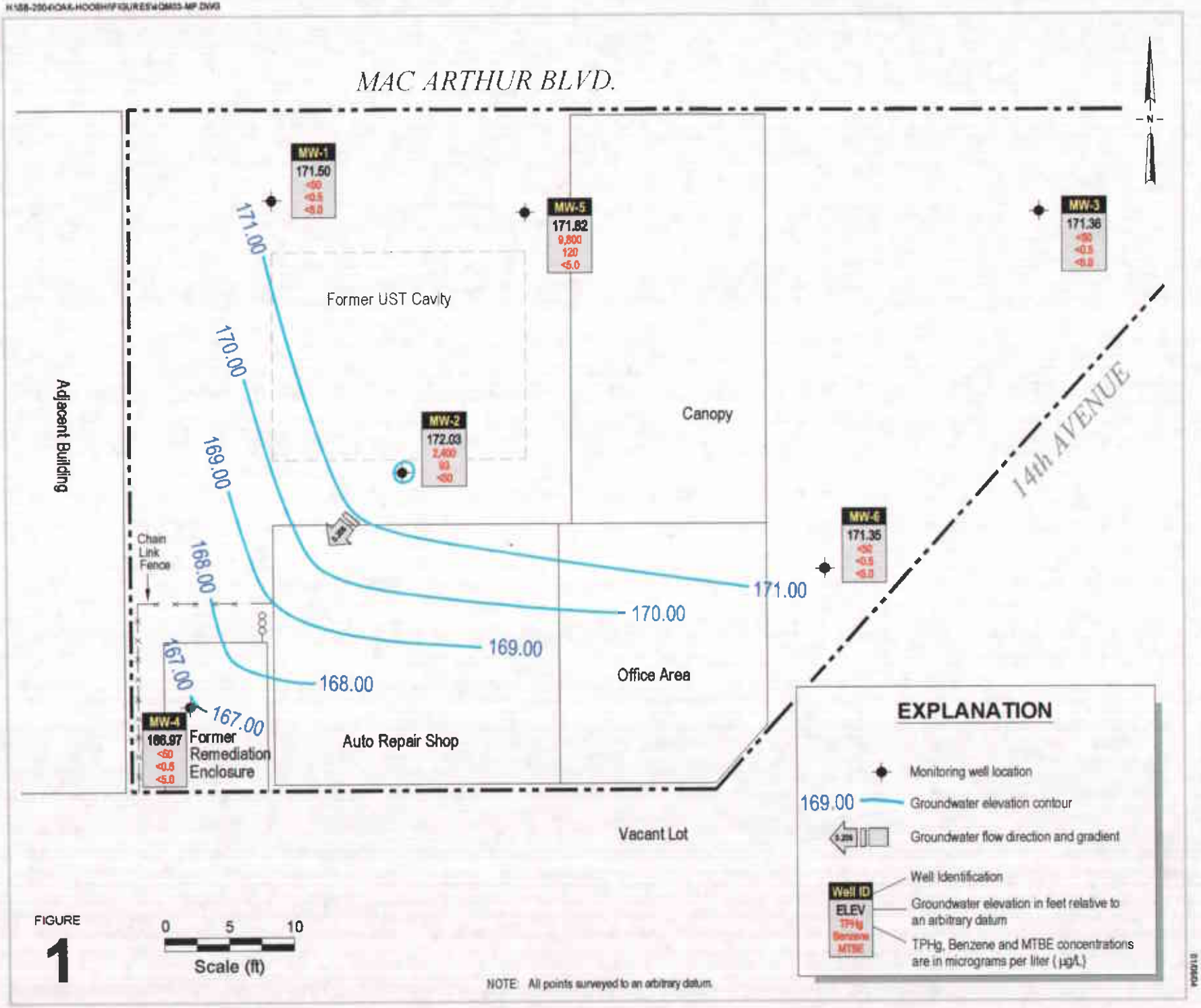


FIGURE
1

NOTE: All points surveyed to an arbitrary datum.

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-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	

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) →						
	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**	
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

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) →						
	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
	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
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)	

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) →						
	4/19/2002	7.95	171.60	--	<50	<0.5	<0.5	<0.5	<0.5	9.0 (11)	
	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**	
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	
	4/19/2002	13.55	166.57	--	<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 *TOC (ft*)*	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft**)	SPH Thickness (ft)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
					← (µg/L) →						
	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
	4/21/2003	12.15	167.97	--	--	--	--	--	--	--	
sampled annually	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**	
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	--	--	--	--	--	--	
	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	

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) →						
	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**
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	
	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	

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)		→	
	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)	
	4/21/2003	7.15	172.48	--	--	--	--	--	--	--	
sampled annually	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**	
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	

Abbreviations and Methods:

SPH = Separate phase hydrocarbons

TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015

Benzene, toluene, ethylbenzene, and xylenes by EPA Method 8020

MTBE = Methyl tertiary butyl ether by EPA Method 8020
(concentration in parentheses confirmed by EPA Method 8260)

ft = measured in feet

µg/L = Micrograms per liter

TOC = Top of casing elevation

-- = not sampled.

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 labatory 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

CAMBRIA

WELL SAMPLING FORM

Project Name: Hooshi's	Cambria Mgr: MM	Well ID: MW-1
Project Number: 129-0741	Date: 10-7-03	Well Yield:
Site Address: 1499 MacArthur Blvd. Oakland, CA	Sampling Method: disposable bailer	Well Diameter: 2" pvc
		Technician(s): SG
Initial Depth to Water: 9.13	Total Well Depth: 19.90	Water Column Height: 10.77
Volume/ft: 0.16	1 Casing Volume: 1.72	3 Casing Volumes: 5.16
Purging Device: disposable bailer	Did Well Dewater?: no	Total Gallons Purged: 5
Start Purge Time: 4:00	Stop Purge Time: 4:29	Total Time: 29 mins

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Casing Volume	Temp. (°C)	pH	Cond. (uS)	Comments
4:10	1.5	19.6	7.12	1040	
4:20	3	19.1	7.20	962	
4:30	5	19.0	7.21	825	

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

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-1	10-7-03	4:35	3 VOA	HCl		

CAMBRIA

WELL SAMPLING FORM

Project Name: Hooshi's	Cambria Mgr: MM	Well ID: MW-2
Project Number: 129-0741	Date: 10-7-03	Well Yield:
Site Address: 1499 MacArthur Blvd. Oakland, CA	Sampling Method: disposable bailer	Well Diameter: 2 pvc
		Technician(s): SG
Initial Depth to Water: 8.21	Total Well Depth: 19.80	Water Column Height: 11.59
Volume/ft: 0.16	1 Casing Volume: 1.85	3 Casing Volumes: 5.56
Purging Device: disposable bailer	Did Well Dewater?: no	Total Gallons Purged: 5.5
Start Purge Time: 5:30	Stop Purge Time: 5:59	Total Time: 29 mins

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Casing Volume	Temp. (°C)	pH	Cond. (uS)	Comments
5:40	2.5	19.3	7.10	650	
5:50	4.0	19.3	7.13	1275	
6:00	5.5	19.3	7.17	1392	

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

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-2	10-7-03	6:05	3 VOA	HCl		

CAMBRIA

WELL SAMPLING FORM

Project Name: Hooshi's	Cambria Mgr: MM	Well ID: MW-3
Project Number: 129-0741	Date: 10-7-03	Well Yield:
Site Address: 1499 MacArthur Blvd. Oakland, CA	Sampling Method: disposable bailer	Well Diameter: 2" pvc
		Technician(s): SG
Initial Depth to Water: 8.19	Total Well Depth: 19.78	Water Column Height: 11.59
Volume/ft: 0.16	1 Casing Volume: 1.85	3 Casing Volumes: 5.56
Purging Device: disposable bailer	Did Well Dewater?: NO	Total Gallons Purged: 5.5
Start Purge Time: 2:30	Stop Purge Time: 2:59	Total Time: 29mins

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Casing Volume	Temp. (°C)	pH	Cond. (uS)	Comments
2:40	2.5	19.2	7.06	1610	
2:50	4	19.3	7.19	1451	
3:00	5.5	19.4	7.15	1470	

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

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-3	10-7-03	3:05	3VOA	HCl		

CAMBRIA

WELL SAMPLING FORM

Project Name: Hooshi's	Cambria Mgr: MM	Well ID: MW-4
Project Number: 129-0741	Date: 10-7-03	Well Yield:
Site Address: 1499 MacArthur Blvd. Oakland, CA	Sampling Method: disposable bailer	Well Diameter: 2" pvc
		Technician(s): SG
Initial Depth to Water: 13.15	Total Well Depth: 19.72	Water Column Height: 6.57
Volume/ft: 0.16	1 Casing Volume: 1.05	3 Casing Volumes: 3.15
Purging Device: disposable bailer	Did Well Dewater?: NO	Total Gallons Purged: 3
Start Purge Time: 3:15	Stop Purge Time: 3:44	Total Time: 29 mins

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Casing Volume	Temp. (°C)	pH	Cond. (uS)	Comments
3:25	1	19.6	7.09	1095	
3:35	2	19.4	7.13	1270	
3:45	3	19.3	7.18	1359	

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

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-4	10-7-03	3:50	3VOA	HCl		

CAMBRIA

WELL SAMPLING FORM

Project Name: Hooshi's	Cambria Mgr: MM	Well ID: MW-5
Project Number: 129-0741	Date: 10-7-03	Well Yield:
Site Address: 1499 MacArthur Blvd. Oakland, CA	Sampling Method: disposable bailer	Well Diameter: 2" pvc
		Technician(s): SG
Initial Depth to Water: 8.22	Total Well Depth: 14.50	Water Column Height: 6.28
Volume/ft: 0.16	1 Casing Volume: 1.00	3 Casing Volumes: 3.00
Purging Device: disposable bailer	Did Well Dewater?: NO	Total Gallons Purged: 3
Start Purge Time: 4:45	Stop Purge Time: 5:14	Total Time: 29 mins

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Casing Volume	Temp. (°C)	pH	Cond. (uS)	Comments
4:55	1	19.4	7.16	845	
5:05	2	19.2	7.06	870	
5:15	3	19.2	7.10	922	

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

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-5	10-7-03	5:20	3 VOA	HCl		

D:\TEMPLATE\FORMS\FIELD\WELLSAMP2.WPD
NSM 5/31/94

CAMBRIA

WELL SAMPLING FORM

Project Name: Hooshi's	Cambria Mgr: MM	Well ID: MW-6
Project Number: 129-0741	Date: 10-7-03	Well Yield:
Site Address: 1499 MacArthur Blvd. Oakland, CA	Sampling Method: disposable bailer	Well Diameter: 2" pvc
		Technician(s): SG
Initial Depth to Water: 8.28	Total Well Depth: 20.00	Water Column Height: 11.72
Volume/ft: 0.16	1 Casing Volume: 1.87	3 Casing Volumes: ~~5.61~~ 5.61
Purging Device: disposable bailer	Did Well Dewater?: NO	Total Gallons Purged: 5.5
Start Purge Time: 1:45	Stop Purge Time: 2:14	Total Time: 29 mins

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Casing Volume	Temp. (°C)	pH	Cond. (uS)	Comments
1:55	2.5	19.3	7.12	1250	
2:05	4.5	19.1	7.25	1535	
2:15	5.5	19.3	7.20	1510	

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

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-6	10-7-03	2:20	3 VOA	HCl		

D:\TEMPLATE\FORMS\FIELD\WELLSAMP2.WPD
NSM 5/31/94

CAMBRIA

Groundwater Monitoring Field Sheet

Well ID	Time	DTP	DTW	Product Thickness	Amount of Product Removed	Casing Diam.	Comment
MW-1	1:05		9.13				
MW-2	1:15		8.21				
MW-3	12:55		8.19				
MW-4	1:06		13.15				
MW-5	1:10		8.22				
MW-6	12:50		8.28				

Project Name: Hoshi's

Project Number/Task: 124-0741 /045

Measured By: C. Hall

Date: 10-7-03

McCAMPBELL ANALYTICAL INC.

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

FILE COPY

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☒ 5 DAY

EDF Required? ☒ Yes ☐ No

Report To: Matt Meyers Bill To: Cambria Env. Tech

Company: Cambria Environmental Technology Inc.

5900 Hollis Street

Emeryville, CA 94608 E-mail: mmeyers@cambriaenv.com

Tele: 510-420-3314 Fax: 510-420-9170

Project #: 129-0741/045 Project Name: Hooshi's

Project Location: 1499 MacArthur Blvd. Oakland, CA

Sampler Signature: S. Hill

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	Analysis Request: BTEX & TPH as Gas (602/8020 + 8015)/ MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI	Other	Comments
MW-1		10-7-03		3	VOA	X					X	X			X																Confirm all MTBE hits by 8260
MW-2		10-7-03		3	VOA	X					X	X			X																
MW-3		10-7-03		3	VOA	X					X	X			X																
MW-4		10-7-03		3	VOA	X					X	X			X																
MW-5		10-7-03		3	VOA	X					X	X			X																
MW-6		10-7-03		3	VOA	X					X	X			X																

Relinquished By:	Date:	Time:	Received By:
S. Hill	10-9-03	4:00	secure location
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks:

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
http://www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #129-0741/045; Hooshi's	Date Sampled: 10/07/03
		Date Received: 10/09/03
	Client Contact: Matt Meyers	Date Reported: 10/15/03
	Client P.O.:	Date Completed: 10/15/03

WorkOrder: 0310150

October 15, 2003

Dear Matt:

Enclosed are:

1). the results of 6 analyzed samples from your **#129-0741/045; 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 South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #129-0741/045; Hooshi's	Date Sampled: 10/07/03
5900 Hollis St, Suite A		Date Received: 10/09/03
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 10/12/03-10/13/03
	Client P.O.:	Date Analyzed: 10/12/03-10/13/03

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0310150

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-1	W	ND	ND	ND	ND	ND	ND	1	109
002A	MW-2	W	2400,a	ND<50	93	11	34	22	10	99.7
003A	MW-3	W	ND	ND	ND	ND	ND	ND	1	109
004A	MW-4	W	ND	ND	ND	ND	ND	ND	1	110
005A	MW-5	W	9800,a	ND<50	120	340	180	2000	10	88.3
006A	MW-6	W	ND	ND	ND	ND	ND	ND	1	104
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 ~2 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.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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

QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W WorkOrder: 0310150

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 8876 Spiked Sample ID: 0310150-006A

	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	ND	60	107	101	5.46	100	99.7	0.581	70	130
MTBE	ND	10	101	100	0.592	105	102	2.85	70	130
Benzene	ND	10	104	102	2.20	103	100	2.51	70	130
Toluene	ND	10	105	103	1.58	103	101	1.92	70	130
Ethylbenzene	ND	10	106	105	1.59	105	104	1.73	70	130
Xylenes	ND	30	107	103	3.17	110	107	3.08	70	130
%SS:	104	100	102	101	1.27	99.3	100	1.18	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

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 and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

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.

cepe

0310150

CHAIN OF CUSTODY RECORD

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

TURN AROUND TIME: ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☒ 5 DAY

EDF Required? ☒ Yes ☐ No

Report To: Matt Meyers Bill To: Cambria Env. Tech

Company: Cambria Environmental Technology Inc.

5900 Hollis Street

Emeryville, CA 94608 E-mail: mmeyers@cambria-env.com

Tele: 510-420-3314 Fax: 510-420-9170

Project #: 129-0741/045 Project Name: Hooshi's

Project Location: 1499 MacArthur Blvd. Oakland, CA

Sampler Signature: S. Hill

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED Ice	HCl	HNO_3	Other	BTEX & TPH as Gas (602/8020 + 8015)/ MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI	Other	Comments
MW-1		10-7-03		3	VOA	X					X	X			X																
MW-2		10-7-03		3	VOA	X					X	X			X																
MW-3		10-7-03		3	VOA	X					X	X			X																
MW-4		10-7-03		3	VOA	X					X	X			X																
MW-5		10-7-03		3	VOA	X					X	X			X																
MW-6		10-7-03		3	VOA	X					X	X			X																

ICE/T ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
PRESERVATION ✓ (VOA | O&G | METALS | OTHER)
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

Comments: CONFIRM ALL MTBE HITS BY 8260

Relinquished By:	Date:	Time:	Received By:
S. Hill	10-9-03	4:00	secure location
Relinquished By:	Date:	Time:	Received By:
[signature]	10/9	11:36	UPS/FEX #280
Relinquished By:	Date:	Time:	Received By:
			[signature]

Remarks: LOWEST POSSIBLE DETECTION LIMITS.
PLEASE EMAIL RESULTS.

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0310150

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

TEL: (510) 420-0700
FAX: (510) 420-3394
ProjectNo: #129-0741/045; Hooshi's
PO:

Date Received: **10/9/03**
Date Printed: **10/9/03**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests			
					SW8021B/8015Cm			
0310150-001	MW-1	Water	10/7/03	☐	A			
0310150-002	MW-2	Water	10/7/03	☐	A			
0310150-003	MW-3	Water	10/7/03	☐	A			
0310150-004	MW-4	Water	10/7/03	☐	A			
0310150-005	MW-5	Water	10/7/03	☐	A			
0310150-006	MW-6	Water	10/7/03	☐	A			

Prepared by: Melissa Valles

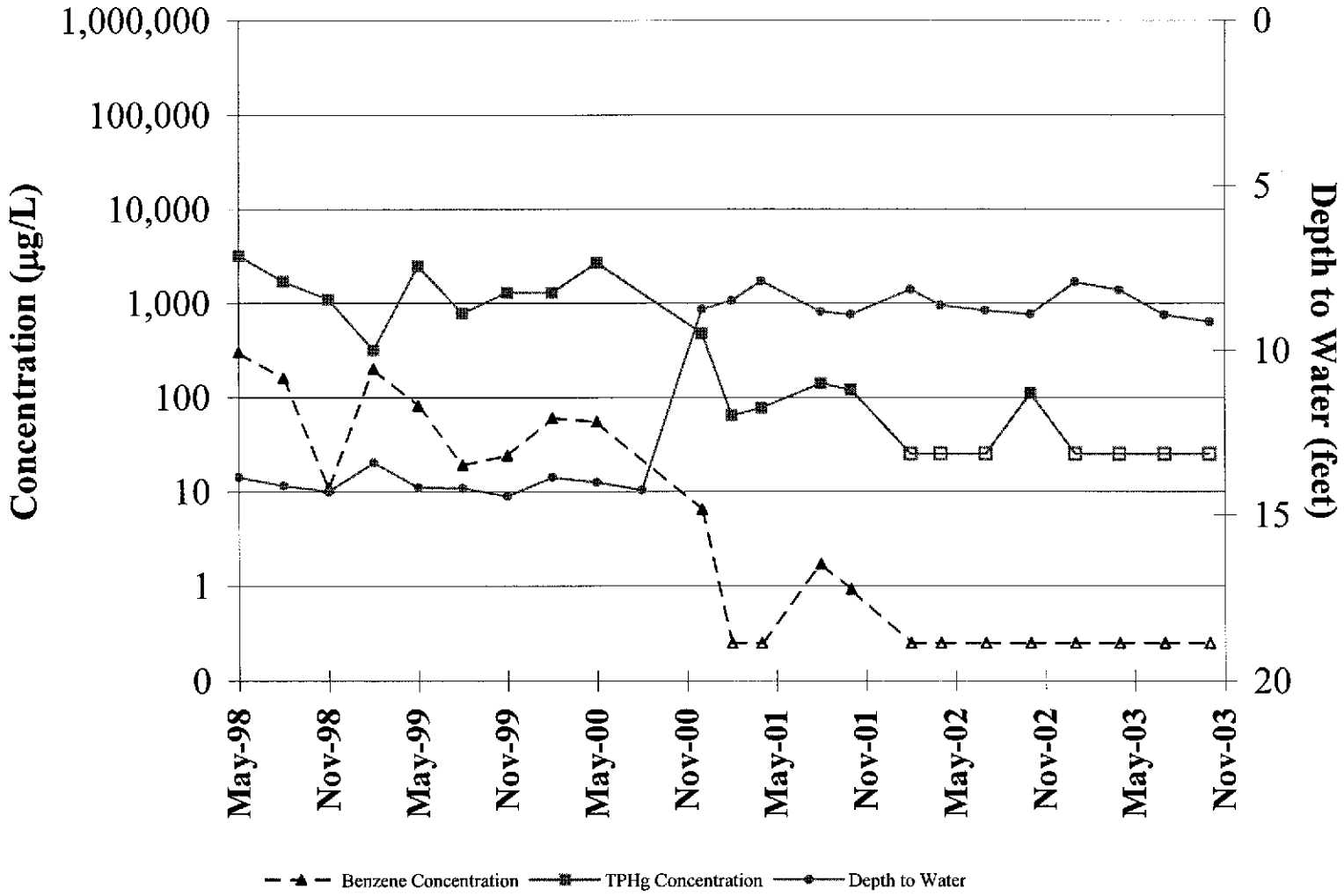
Comments:

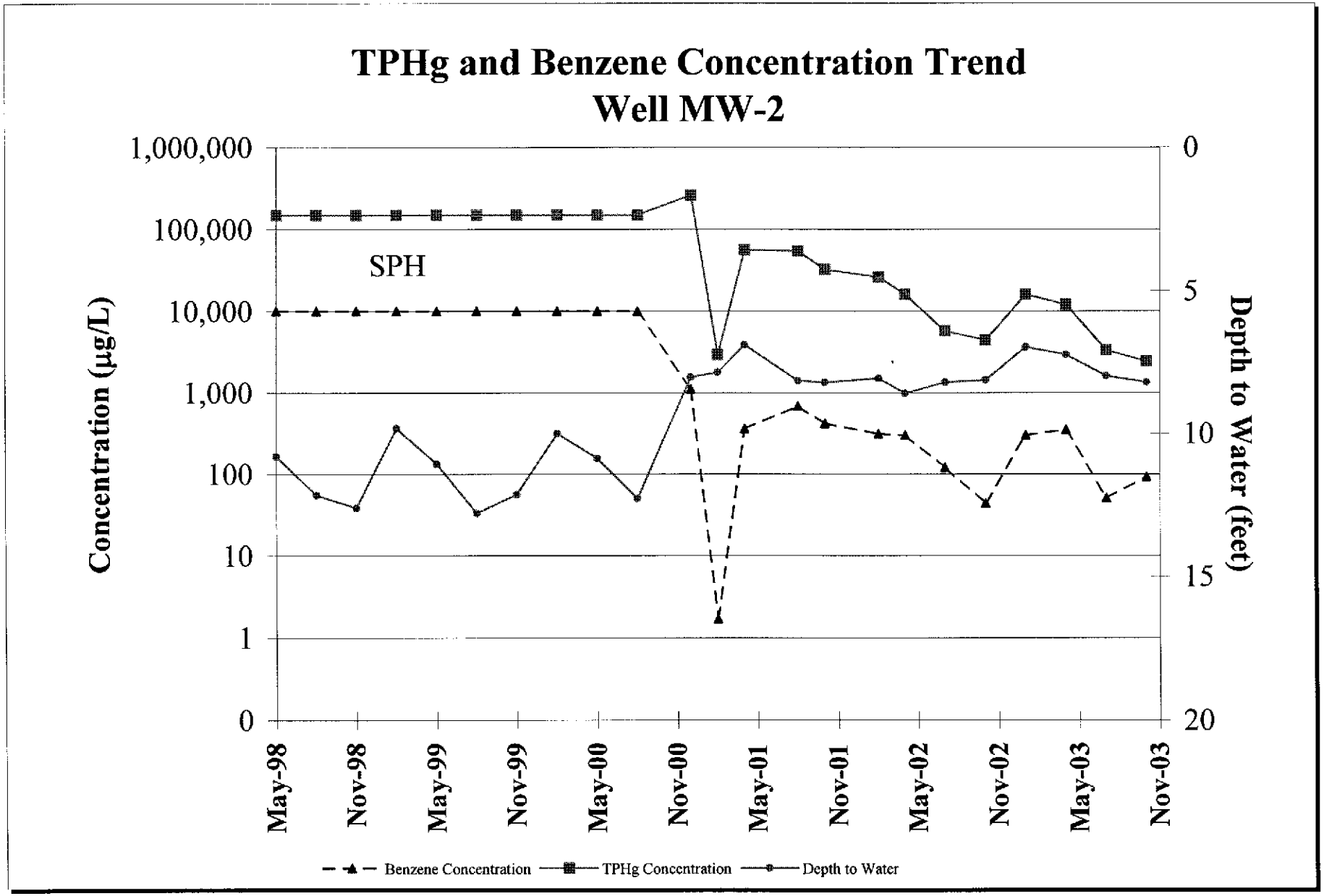
NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

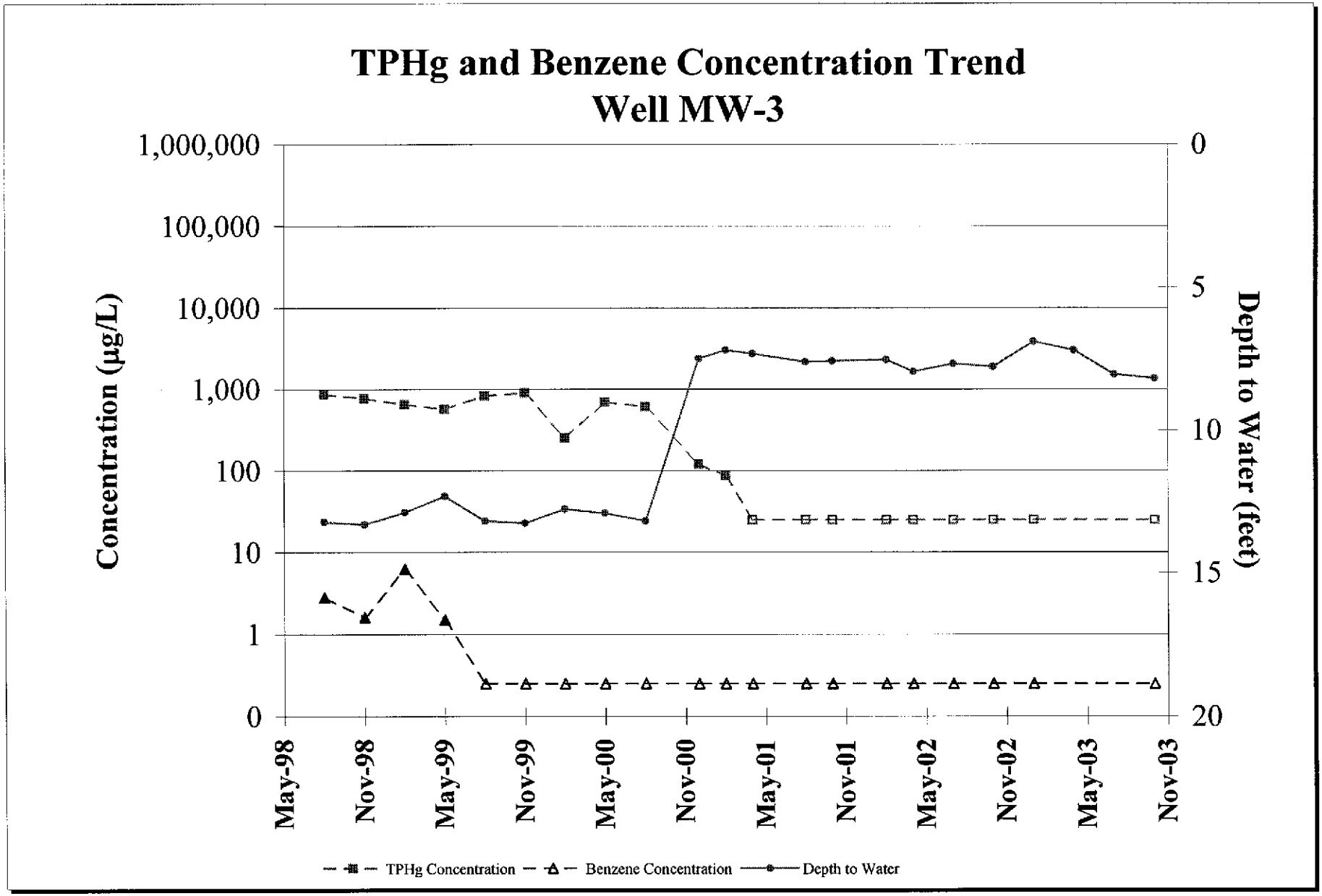
APPENDIX C

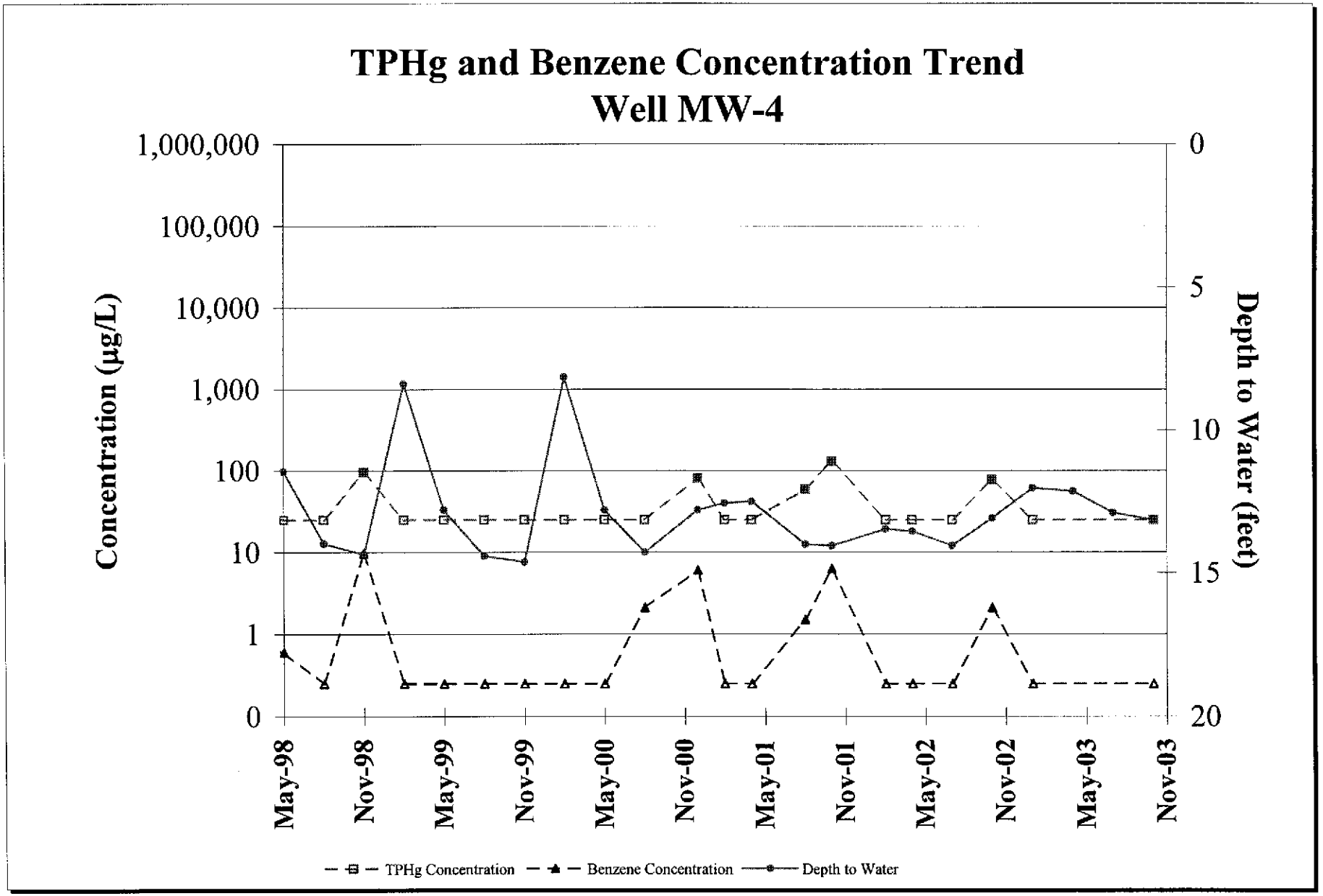
TPHg and Benzene Concentration Graphs

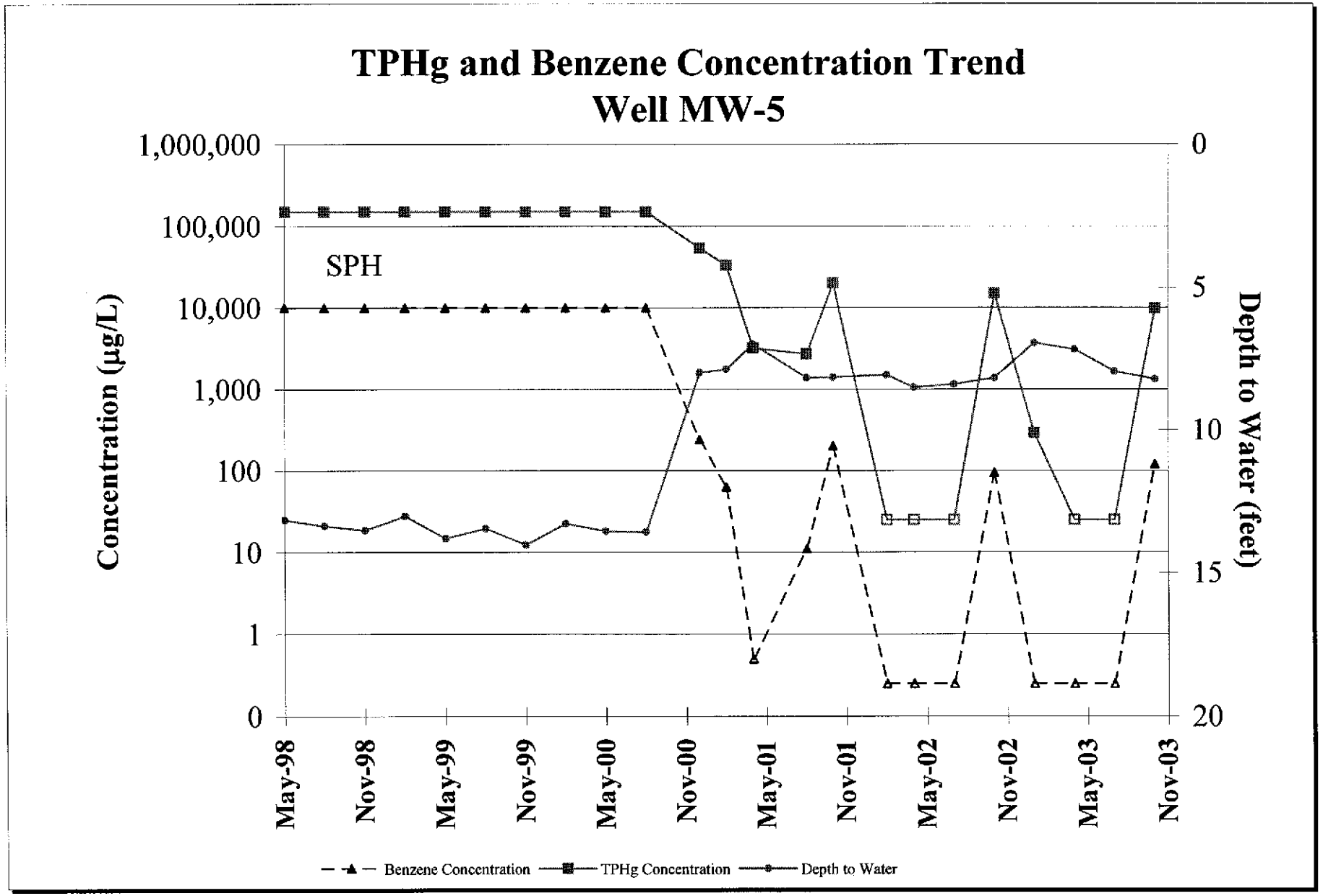
TPHg and Benzene Concentration Trend
Well MW-1




TPHg and Benzene Concentration Trend
Well MW-2
Concentration (µg/L)
1,000,000
100,000
10,000
1,000
100
10
1
0
SPH
Depth to Water (feet)
0
5
10
15
20
May-98
Nov-98
May-99
Nov-99
May-00
Nov-00
May-01
Nov-01
May-02
Nov-02
May-03
Nov-03
Benzene Concentration
TPHg Concentration
Depth to Water


TPHg and Benzene Concentration Trend
Well MW-3
Concentration (µg/L)
1,000,000
100,000
10,000
1,000
100
10
1
0
Depth to Water (feet)
0
5
10
15
20
May-98
Nov-98
May-99
Nov-99
May-00
Nov-00
May-01
Nov-01
May-02
Nov-02
May-03
Nov-03
TPHg Concentration
Benzene Concentration
Depth to Water


TPHg and Benzene Concentration Trend
Well MW-4
Concentration (µg/L)
1,000,000
100,000
10,000
1,000
100
10
1
0
Depth to Water (feet)
0
5
10
15
20
May-98
Nov-98
May-99
Nov-99
May-00
Nov-00
May-01
Nov-01
May-02
Nov-02
May-03
Nov-03
TPHg Concentration
Benzene Concentration
Depth to Water


TPHg and Benzene Concentration Trend
Well MW-5
SPH
Concentration (µg/L)
1,000,000
100,000
10,000
1,000
100
10
1
0
Depth to Water (feet)
0
5
10
15
20
May-98
Nov-98
May-99
Nov-99
May-00
Nov-00
May-01
Nov-01
May-02
Nov-02
May-03
Nov-03
Benzene Concentration
TPHg Concentration
Depth to Water

APPENDIX D

Electronic Delivery Confirmations

AB2886 Electronic Delivery

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

Submittal Report For HOOSHI'S AUTO SERVICE:

Title	Type	Submitted	Submittal Status	Confirmation #	
GEO_MAP	GEO_MAP	6/7/2002	**AWAITING APPROVAL**	8647962272	Delete Submittal
Hooshi's 2nd Qtr 2002 GW Sampling Results	GWM_R	7/26/2002	**RECEIVED: 5/5/2003 4:30:14 PM**	3190133094	
Hooshi's well elevations	GEO_Z	7/26/2002	**AWAITING APPROVAL**	2815968155	Delete Submittal
3rd Qtr 2002, GW Monitoring Analytical Results	GWM_R	10/22/2002	**RECEIVED: 5/5/2003 4:30:45 PM**	5029602229	
4th Qtr 2002 Groundwater Analytical Data	GWM_R	2/25/2003	**RECEIVED: 5/5/2003 4:31:20 PM**	8523462176	
1st Qtr 2003, Groundwater Analytical Data	GWM_R	4/29/2003	**RECEIVED: 11/17/2003 7:53:01 AM**	6773558437	
2QM03	GWM_R	5/30/2003	**RECEIVED: 11/17/2003 7:53:01 AM**	9646294951	
4th Qtr 2002, GW Depth Data	GEO_WELL	6/25/2003	**AWAITING APPROVAL**	4354995548	Delete Submittal
3rd Qtr 2002, GW Depth Data	GEO_WELL	6/25/2003	**AWAITING APPROVAL**	5196980118	Delete Submittal
2nd Qtr 2002, GW Depth Data	GEO_WELL	6/25/2003	**AWAITING APPROVAL**	2977604508	Delete Submittal
1st Qtr 2003, GW Depth Data	GEO_WELL	6/25/2003	**AWAITING APPROVAL**	3708607316	Delete Submittal
2nd Qtr 2003, GW Depth Data	GEO_WELL	6/25/2003	**AWAITING APPROVAL**	6966602921	Delete Submittal
3rd Qtr 2003 Groundwater Monitoring Analytical Data	GWM_R	10/28/2003	**AWAITING APPROVAL**	2154345512	Delete Submittal
3rd Qtr 2003 Groundwater Monitoring Analytical Data	GWM_R	10/28/2003	**AWAITING APPROVAL**	4005818068	Delete Submittal
3rd Qtr 2003 Groundwater Depths, 1499 MacArthur Street, Oakland	GEO_WELL	10/28/2003	**AWAITING APPROVAL**	2434193253	Delete Submittal
4th Qtr 2003, GW Analytical Data	GWM_R	12/30/2003	**DELETED: 1/16/2004 12:41:36 PM**	3032383799	
4th Qtr 2003, GW Depth Data for 1499 MacArthur Blvd., Oakland	GEO_WELL	12/31/2003	**AWAITING APPROVAL**	8382446110	Delete Submittal
4th Qtr 2003, GW Analytical Data	GWM_R	1/16/2004	**AWAITING APPROVAL**	4575807332	Delete Submittal

Logged in as CAMBRIA-EM (AUTH_RP)

CONTACT SITE ADMINISTRATOR.