CAMBRIA

May 16, 2003

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, First 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 first quarter 2003 activities and the anticipated second quarter 2003 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, First 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

FIRST QUARTER 2003

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

May 16, 2003

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

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

Matthew A. Meyers
Senior Staff Geologist

Ron Scheele, RG
Associate Geologist

Cambria Environmental Technology, Inc.

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

CAMBRIA

GROUNDWATER MONITORING REPORT

FIRST QUARTER 2003

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

May 16, 2003

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 first quarter 2003 groundwater monitoring activities and the anticipated second quarter 2003 activities.

FIRST QUARTER 2003 ACTIVITIES

Monitoring Activities

Field Activities: On January 10, 2003, Cambria gauged water levels in groundwater monitoring wells MW-1 through MW-6. On January 10, 2003, groundwater samples were obtained from monitoring wells according to the sampling schedule. Field data sheets are presented as Appendix A. The laboratory analytical report is included as Appendix B. The well gauging data has been submitted to the Geotracker database. See Appendix D for the Electronic Delivery confirmations.

Sample Analyses: Groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by modified EPA Method 8015; and benzene, toluene, ethylbenzene, xylenes (BTEX), and methyl tertiary butyl ether (MTBE) by EPA Method 8021. MTBE concentrations detected by EPA Method 8021 were confirmed by EPA Method 8260. The groundwater analytical results are summarized in Table 1. The groundwater sampling results have been submitted to the Geotracker database. See Appendix D for the Electronic Delivery confirmations.

Monitoring Results

Groundwater Flow Direction: Based on field measurements collected on January 10, 2003, groundwater beneath the site generally flows in a southwesterly direction (Figure 1). The groundwater gradient is relatively flat onsite and increases significantly 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 monitoring wells MW-2 and MW-5. Maximum TPHg and benzene concentrations were detected in well MW-2 at 16,000 and 300 micrograms per liter (µg/L), respectively. MTBE was detected in groundwater samples from monitoring wells MW-3, MW-4 and MW-6. The maximum MTBE concentration was detected at 16 µg/L in offsite wells MW-3 and MW-6. MTBE was detected in wells MW-4 and MW-6 for the first time since groundwater monitoring began in 1996 and points to an offsite release in the vicinity east or north of MW-3.

Overall, hydrocarbon concentrations have either decreased or remained at similar levels as compared with previous quarters and continue to exhibit a decreasing trend.

ANTICIPATED SECOND QUARTER 2003 ACTIVITIES

Monitoring Activities

Cambria will gauge water levels in all wells and collect groundwater samples from wells MW-1, MW-2, and MW-5. As per phone discussions with Mr. Don Hwang of the Alameda County Department of Environmental Health (ACDEH), the well sampling schedule has been revised 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. Any samples containing MTBE 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 – Benzene Concentration Graphs – MW-1 through MW-5

Appendix D – Electronic Delivery Confirmations

IR(H):\Sb-2004(UST Fund)\Oakl -Hooshis\QM\1qmr2003\Hooshi's 1q03 QMR.doc

K:\SB-2004\OAK-HOOSHI\FIGURES\1QM03-MP.DWG

Hooshi's Auto Service

1499 MacAurthur Boulevard
Oakland, California

CAMBRIA

Groundwater Elevation Contour and Hydrocarbon Concentration Map

January 10, 2003

MAC ARTHUR BLVD.

14th AVENUE

Adjacent Building

Former UST Cavity

Canopy

Office Area

Auto Repair Shop

Vacant Lot

Chain Link Fence

Former Remediation Enclosure

MW-1
172.70
<50
<0.5
<5.0

MW-2
173.26
16,000
300
<100

MW-3
172.64
<50
<0.5
16

MW-4
168.08
<50
<0.5
16

MW-5
173.09
280
<0.5
<5.0

MW-6
172.64
<50
<0.5
16

173.00

172.00

171.00

170.00

169.00

N

0 5 10
Scale (ft)

FIGURE
1

NOTE: All points surveyed to an arbitrary datum.

EXPLANATION

- Monitoring well location
- 169.00 Groundwater elevation contour
- Groundwater flow direction and gradient
- Well ID — Well Identification
- ELEV — Groundwater elevation in feet relative to an arbitrary datum
- TPHg, Benzene and MTBE concentrations are in micrograms per liter (µg/L)

04/2003

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**)	Separate Phase Hydrocarbons (ft)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
					← (µg/L) →						
MW-1	1/4/93	--	--	--	539	130	12	22	13	--	
181.00	4/22/93	--	--	--	1,130	75	8.0	38	11	--	
	12/27/94	--	--	--	770	22	6.6	14	21	--	
	6/27/96	14.11	166.89	--	3,300	260	34	59	170	80	
	12/10/96	13.71	167.29	--	1,500	84	11	22	32	34	
	5/8/98	13.85	167.15	--	3,200	300	12	62	36	<120	a
	8/17/98	14.11	166.89	--	1,700	160	18	32	27	39	a
	11/4/98	14.28	166.72	--	1,100	11	4.3	3.6	6.5	<50	a
	2/17/99	13.41	167.59	--	320	200	47	72	75	57	a
	5/27/99	14.16	166.84	--	2,500	81	12	29	41	<80	a
	8/19/99	14.18	166.82	--	780	19	<0.5	5.7	4.5	28	a
180.83	11/23/99	14.43	166.40	--	1,300	24	0.64	1.8	3.3	<100	a
	2/17/00	13.85	166.98	--	1,300	60	9.1	22	19	22 (16)	a,b
	5/9/00	14.01	166.82	--	2,700	55	13	19	25	34 (29)	a
	8/15/00	14.24	166.59	--	--	--	--	--	--	--	
	12/1/00	8.75	172.08	--	480	6.4	5.9	1.1	3.9	18 (21)	a
180.63	2/8/01	8.49	172.14	--	64	<0.5	<0.5	<0.5	<0.5	6.1 (5.6)	a,c
	4/9/01	8.71	171.92	--	--	--	--	--	--	--	
	4/24/01	7.90	172.73	--	77	<0.5	<0.5	<0.5	<0.5	5.6 (3.7)	c
	8/6/01	8.83	171.80	--	140	1.7	0.55	<0.5	0.63	5.8 (4.0)	a
	10/22/01	8.91	171.72	--	120	0.92	<0.5	<0.5	0.59	11(10)	a
	2/1/02	8.15	172.48	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	4/19/02	8.63	172.00	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	7/16/02	8.79	171.84	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	10/3/02	8.90	171.73	--	110	<0.5	<0.5	<0.5	<0.5	<5.0	f
	1/10/03	**7.93**	**172.70**	**--**	**<50**	**<0.5**	**0.74**	**<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**)	Separate Phase Hydrocarbons (ft)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
					← (µg/L) →						
MW-2	1/4/93	--	--	--	149,000	21,700	25,000	ND	7,760	--	
180.45	4/22/93	--	--	--	136,300	9,900	15,870	15,300	2,190	--	
	12/27/94	--	--	--	94,000	11,000	18,000	2,700	16,000	--	
	6/27/96	12.61	168.64	1.00	--	--	--	--	--	--	
	12/10/96	11.10	169.55	0.25	--	--	--	--	--	--	
	5/8/98	10.81	169.66	0.03	--	--	--	--	--	--	
	8/17/98	12.16	168.31	0.02	--	--	--	--	--	--	
	11/4/98	12.61	167.86	0.02	--	--	--	--	--	--	
	2/17/99	9.82	170.66	0.04	--	--	--	--	--	--	
	5/27/99	11.07	169.48	0.13	--	--	--	--	--	--	
	8/19/99	12.79	167.68	0.02	--	--	--	--	--	--	
180.24	11/23/99	12.14	168.20	0.12	--	--	--	--	--	--	
	2/17/00	10.01	170.37	0.18	--	--	--	--	--	--	
	5/9/00	10.88	169.38	0.03	--	--	--	--	--	--	
	8/15/00	12.28	167.97	0.01	--	--	--	--	--	--	
	12/1/00	8.03	172.21	--	260,000	1,100	5,000	1,900	17,000	<100	a
	2/8/01	7.86	172.38	--	2,900	1.7	14	5.0	140	<5.0	c,d
	4/9/01	7.95	172.29	--	--	--	--	--	--	--	
	4/24/01	6.90	173.34	--	56,000	360	980	1,000	4,700	<5.0	a,b
	8/6/01	8.15	172.09	--	54,000	680	1,900	1,500	7,800	<200 (<10)	a,h,j
	10/22/01	8.22	172.02	--	32,000	420	770	1,100	4,100	<250	a,h
	2/1/02	8.07	172.17	--	26,000	310	490	920	1,600	<1,000	a
	4/19/02	8.60	171.64	--	16,000	300	240	1,000	990	<100	a
	7/16/02	8.21	172.03	--	5,700	120	18	340	15	<50	a
	10/3/02	8.14	172.10	--	4,400	44	16	68	20	<25	a
	1/10/03	**6.98**	**173.26**	**--**	**16,000**	**300**	**320**	**580**	**830**	**<100**	**a,h**

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**)	Separate Phase Hydrocarbons (ft)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
					← (µg/L) →						
MW-3	1/4/93	--	--	--	1,610	772	14	11	ND	--	
179.94	4/22/93	--	--	--	3,040	980	34	19	16	--	
	12/27/94	--	--	--	2,600	180	9.0	7.2	13	--	
	6/27/96	13.20	166.74	--	2,000	22	2.9	11	7.4	56	
	12/10/96	13.13	166.81	--	970	<0.5	<0.5	<0.5	<0.5	24	
	5/8/98	13.03	166.91	--	780	3.7	2.1	1.1	2.4	<32	a
	8/17/98	13.22	166.72	--	870	2.8	<0.5	<0.5	3.7	<5.0	b,c
	11/4/98	13.31	166.63	--	770	1.6	4.4	2.0	6.9	<30	c
	2/17/99	12.89	167.05	--	650	6.2	3.4	1.5	2.6	<5.0	b,c
	5/27/99	12.32	167.62	--	570	1.5	1.2	0.72	1.1	<20	a
	8/19/99	13.19	166.75	--	830	<0.5	1.9	<0.5	1.3	<20	c,d
179.55	11/23/99	13.26	166.29	--	900	<0.5	1.8	0.56	1.4	<20	c,d
	2/17/00	12.78	166.77	--	250	<0.5	1.5	<0.5	0.62	<5.0	d
	5/9/00	12.92	166.63	--	690	<0.5	2.1	0.85	1.6	<5.0	a
	8/15/00	13.19	166.36	--	610	<0.5	2.3	0.75	1.2	<5.0	c,d
	12/1/00	7.50	172.05	--	120	<0.5	0.90	0.65	0.62	<5.0	c,d
	2/8/01	7.20	172.35	--	87	<0.5	<0.5	<0.5	<0.5	<5.0	c,d
	4/9/01	7.33	172.22	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	8/6/01	7.61	171.94	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	10/22/01	7.58	171.97	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	2/1/02	7.53	172.02	--	<50	<0.5	<0.5	<0.5	<0.5	8.5 (8.5)	
	4/19/02	7.95	171.60	--	<50	<0.5	<0.5	<0.5	<0.5	9.0 (11)	
	7/16/02	7.68	171.87	--	<50	<0.5	<0.5	<0.5	<0.5	20 (30)	
	10/3/02	7.78	171.77	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	1/10/03	**6.91**	**172.64**	**--**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**19 (16)**	

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**)	Separate Phase Hydrocarbons (ft)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
					← (µg/L) →						
MW-4	6/27/96	17.03	163.51	--	720	2	0.5	2.5	23	3.2	
180.54	12/10/96	8.50	172.04	--	80	2.4	<0.5	<0.5	6.6	<2.0	
	5/8/98	11.46	169.08	--	<50	0.60	<0.5	<0.5	<0.5	<5.0	
	8/17/98	13.98	166.56	--	<50	<0.5	<0.5	<0.5	0.5	<5.0	
	11/4/98	14.36	166.18	--	96	9.7	8.1	4.8	18	<5.0	a
	2/17/99	8.39	172.15	--	<50	<0.5	<0.5	<0.5	0.5	<5.0	
	5/27/99	12.80	167.74	--	<50	<0.5	1.0	<0.5	2.9	<5.0	
	8/19/99	14.42	166.12	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
180.12	11/23/99	14.63	165.49	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	2/17/00	8.15	171.97	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	5/9/00	12.81	167.31	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	8/15/00	14.29	165.83	--	<50	2.1	<0.5	<0.5	<0.5	<5.0	
	12/1/00	12.80	167.32	--	81	6.0	8.4	1.0	5.6	<5.0	a
	2/8/01	12.57	167.55	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	4/9/01	12.50	167.62	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	8/6/01	14.00	166.12	--	59	1.5	<0.5	<0.5	<0.5	<5.0	a
	10/22/01	14.05	166.07	--	130	6.3	<0.5	0.88	<0.5	<5.0	a
	2/1/02	13.47	166.65	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	4/19/02	13.55	166.57	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	7/16/02	14.05	166.07	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	10/3/02	13.09	167.03	--	77	2.1	0.51	<0.5	<0.5	<5.0	a
	1/10/03	**12.04**	**168.08**	--	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**20 (15)**	**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**)	Separate Phase Hydrocarbons (ft)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
					← (µg/L) →						
MW-5	6/27/96	13.62	166.74	0.16	--	--	--	--	--	--	
180.23	12/10/96	13.26	167.77	1.00	--	--	--	--	--	--	
	5/8/98	13.15	167.11	0.04	--	--	--	--	--	--	
	8/17/98	13.36	166.89	0.02	--	--	--	--	--	--	
	11/4/98	13.52	166.73	0.02	--	--	--	--	--	--	
	2/17/99	13.02	167.23	0.02	--	--	--	--	--	--	
	5/27/99	13.80	166.71	0.35	--	--	--	--	--	--	
	8/19/99	13.45	166.86	0.10	--	--	--	--	--	--	
180.09	11/23/99	14.03	166.35	0.36	--	--	--	--	--	--	
	2/17/00	13.28	167.02	0.26	--	--	--	--	--	--	
	5/9/00	13.55	166.77	0.29	--	--	--	--	--	--	
	8/15/00	13.58	166.54	0.04	--	--	--	--	--	--	
	12/1/00	8.00	172.09	0.00	54,000	240	1,700	870	1,000	<300	c,d
180.04	2/8/01	7.88	172.16	0.00	33,000	63	420	120	4,500	<50	a,b
	4/9/01	7.97	172.07	0.00	--	--	--	--	--	--	
	4/24/01	7.00	173.04	0.00	3,200	<1.0	11	7	260	<5.0	c,d
	8/6/01	8.17	171.87	--	2,700	11	40	21	240	<5.0	a
	10/22/01	8.15	171.89	--	20,000	200	1,200	330	2,900	<100	a,h
	2/1/02	8.07	171.97	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	4/19/02	8.51	171.53	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	7/16/02	8.40	171.64	--	<50	<0.5	<0.5	<0.5	1.7	<5.0	
	10/3/02	8.18	171.86	--	15,000	94	830	460	2,200	<500	a
	1/10/03	**6.95**	**173.09**	**--**	**290**	**<0.5**	**1.8**	**<0.5**	**17**	**<5.0**	**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**)	Separate Phase Hydrocarbons (ft)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
					← (µg/L) →						
MW-6	6/27/96	18.55	161.48	--	ND	ND	ND	ND	ND	--	
180.03	12/10/99	11.79	168.24	--	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	
	5/8/98	11.62	168.41	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	8/17/98	12.66	167.37	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	11/4/98	13.56	166.47	--	68	3.8	3.7	2.8	11	<5.0	a
	2/17/99	12.91	167.12	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	5/27/99	13.03	167.00	--	<50	1.0	1.7	0.82	4.9	<5.0	
	8/19/99	13.10	166.93	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
179.63	11/23/99	13.58	166.05	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	2/17/00	10.72	168.91	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	5/9/00	11.71	167.92	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	8/15/00	12.49	167.14	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	12/1/00	8.64	170.99	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	2/8/01	8.20	171.43	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	4/9/01	8.53	171.10	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	8/6/01	8.69	170.94	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	10/22/01	8.75	170.88	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	2/1/02	8.31	171.32	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	4/19/02	8.62	171.01	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	7/16/02	8.84	170.79	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	10/3/02	8.71	170.92	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	1/10/03	**6.99**	**172.64**	**--**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**19 (16)**	

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	Separate Phase Hydrocarbons	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Notes
TOC (ft)*		(ft)	(ft**)	(ft)	←		(µg/L)			→	
Trip Blank	5/8/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	11/4/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	5/27/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	11/23/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	12/1/00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	

Abbreviations and Methods:

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)

µg/L = Micrograms per liter

TOC = Top of casing elevation

* = 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.

-- = not sampled.

Abbreviations and Methods (Cont'd):

MCLs = California primary maximum contaminant levels for drinking water (22 CCR 64444)

NE = MCLs not established

ND = Compound not detected, detection limit unknown

Notes:

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

b - The analytical laboratory noted that 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 ga

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

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

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

CAMBRIA

APPENDIX A

Groundwater Monitoring Field Data Sheets

CAMBRIA

Groundwater Monitoring Field Sheet

Well ID	Time	DTP	DTW	Product Thickness	Amount of Product Removed	Casing Diam.	Comment
MW-1	11:35		7.93				
MW-2	11:40		6.98				
MW-3	11:30		6.91				
MW-4	11:33		12.04				
MW-5	11:38		6.95				
MW-6	11:28		6.99				

Project Name: Hooshi's

Project Number/Task: 129-0741 / 1

Measured By: S. Hall

Date: 1-10-03

CAMBRIA

WELL SAMPLING FORM

Project Name: Hooshi's	Cambria Mgr: RAS	Well ID: MW-1
Project Number: 129-0741	Date: 1-10-03	Well Yield:
Site Address: 1499 MacArthur Blvd. Oakland, Ca	Sampling Method: Disposable Bailer	Well Diameter: 2" pvc
		Technician(s): SG
Initial Depth to Water: 7.93	Total Well Depth: 19.90	Water Column Height: 11.97
Volume/ft: 0.16	1 Casing Volume: 1.91	3 Casing Volumes: 5.74
Purging Device: disposable bailer	Did Well Dewater?: no	Total Gallons Purged: 6
Start Purge Time: 1:30	Stop Purge Time: 1:44	Total Time: 14 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
1:35	2	19.5	7.24	1120	
1:40	4	19.3	7.19	1145	
1:45	6	19.2	7.15	1170	

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

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-1	1-10-03	1:50	3 VOA	HCl	TPHg BTEX MTBE	8260

CAMBRIA

WELL SAMPLING FORM

Project Name: Hooshi's	Cambria Mgr: RAS	Well ID: MW-2
Project Number: 129-0741	Date: 1-10-03	Well Yield:
Site Address: 1499 MacArthur Blvd. Oakland, Ca	Sampling Method: Disposable Bailer	Well Diameter: 2" pvc
		Technician(s): SA
Initial Depth to Water: 6.98	Total Well Depth: 19.80	Water Column Height: 12.82
Volume/ft: 0.16	1 Casing Volume: 2.05	3 Casing Volumes: 6.15
Purging Device: disposable bailer	Did Well Dewater?: no	Total Gallons Purged: 6
Start Purge Time: 2:30	Stop Purge Time: 2:44	Total Time: 14mins

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
2:35	2	19.4	7.19	1245	
2:40	4	19.0	7.15	1022	
2:45	6	18.9	7.18	970	

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

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-2	1-10-03	2:50	3 VOA	HCl	TPHg BTEX MTBE	8260

CAMBRIA

WELL SAMPLING FORM

Project Name: Hooshi's	Cambria Mgr: RAS	Well ID: MW-3
Project Number: 129-0741	Date: 1-10-03	Well Yield:
Site Address: 1499 MacArthur Blvd. Oakland, Ca	Sampling Method: Disposable Bailer	Well Diameter: 2" pvc
		Technician(s): SG
Initial Depth to Water: 6.91	Total Well Depth: 19.78	Water Column Height: 12.87
Volume/ft: 0.16	1 Casing Volume: 2.05	3 Casing Volumes: 6.15
Purging Device: disposable bailer	Did Well Dewater?: no	Total Gallons Purged: 6
Start Purge Time: 12:30	Stop Purge Time: 12:44	Total Time: 14mins

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
12:35	2	19.4	7.11	1192	
12:40	4	19.6	7.08	1390	
12:45	6	19.5	7.10	1418	

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

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-3	1-10-03	12:50	3 VOA	HCl	TPHg BTEX MTBE	8260

CAMBRIA

WELL SAMPLING FORM

Project Name: Hooshi's	Cambria Mgr: RAS	Well ID: MW-4
Project Number: 129-0741	Date: 1-10-03	Well Yield:
Site Address: 1499 MacArthur Blvd. Oakland, Ca	Sampling Method: Disposable Bailer	Well Diameter: 2" pvc
		Technician(s): SG
Initial Depth to Water: 12.04	Total Well Depth: 19.72	Water Column Height: 7.68
Volume/ft: 0.16	1 Casing Volume: 1.22	3 Casing Volumes: 3.66
Purging Device: disposable bailer	Did Well Dewater?: no	Total Gallons Purged: 3.5
Start Purge Time: 1:00	Stop Purge Time: 1:14	Total Time: 14 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
1:05	1.5	19.4	7.29	1070	
1:10	2.5	19.1	7.20	1292	
1:15	3.5	19.1	7.18	1390	

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

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-4	1-10-03	1:20	3 VOA	HCl	TPHg BTEX MTBE	8260

CAMBRIA

WELL SAMPLING FORM

Project Name: Hooshi's	Cambria Mgr: RAS	Well ID: MW-5
Project Number: 129-0741	Date: 1-10-03	Well Yield:
Site Address: 1499 MacArthur Blvd. Oakland, Ca	Sampling Method: Disposable Bailer	Well Diameter: 2" pvc
		Technician(s): SG
Initial Depth to Water: 6.95	Total Well Depth: 14.50	Water Column Height: 7.55
Volume/ft: 0.16	1 Casing Volume: 12.08	3 Casing Volumes: 3.62
Purging Device: disposable bailer	Did Well Dewater?: no	Total Gallons Purged: 3.5
Start Purge Time: 2:00	Stop Purge Time: 2:14	Total Time: 14 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
2:05	1.5	19.5	7.28	1419	
2:10	2.5	19.2	7.15	1024	
2:15	3.5	19.1	7.19	940	

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

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-5	1-10-03	2:20	3 VOA	HCl	TPHg BTEX MTBE	8260

CAMBRIA

WELL SAMPLING FORM

Project Name: Hooshi's	Cambria Mgr: RAS	Well ID: MW-6
Project Number: 129-0741	Date: 1-10-03	Well Yield:
Site Address: 1499 MacArthur Blvd. Oakland, Ca	Sampling Method: Disposable Bailer	Well Diameter: 2" pvc
		Technician(s): SG
Initial Depth to Water: 6.99	Total Well Depth: 20.00	Water Column Height: 13.01
Volume/ft: 0.16	1 Casing Volume: 2.08	3 Casing Volumes: 3.24
Purging Device: disposable bailer	Did Well Dewater?: no	Total Gallons Purged: 3
Start Purge Time: 12:00	Stop Purge Time: 12:14	Total Time: 14 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
12:05	1	19.7	7.12	1371	
12:10	2	19.5	7.14	1420	
12:15	3	19.4	7.14	1395	

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

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-6	1-10-03	12:20	3 VOA	HCl	TPHg BTEX MTBE	8260

FILE COPY

McCAMPBELL ANALYTICAL INC.

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

CHAIN OF CUSTODY RECORD

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

EDF Required? ☒ Yes ☐ No

Report To: Ron Scheels Bill To: Cambria Env. Tech.
Company: Cambria Environmental Technology Inc.
6262 Hollis Street
Emeryville, CA 94608 E-mail:
Tele: 510-450-1983 Fax: 510-450-8295
Project #: 129-0741 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	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	Other	Other	Other	Comments
MW-1		1-10-03	1:50	3	VOA	X					X	X			X																		Confirm all MTBE hits by 8260
MW-2		1-10-03	2:50	3	VOA	X					X	X			X																		
MW-3		1-10-03	12:50	3	VOA	X					X	X			X																		
MW-4		1-10-03	1:20	3	VOA	X					X	X			X																		
MW-5		1-10-03	2:20	3	VOA	X					X	X			X																		
MW-6		1-10-03	12:20	3	VOA	X					X	X			X																		

Relinquished By:	Date:	Time:	Received By:
S. Hill	1-13-03	8:00	Secure location
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks:

CAMBRIA

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	Client Project ID: #129-0741; Hooshi's	Date Sampled: 01/10/03
6262 Hollis St.		Date Received: 01/14/03
Emeryville, CA 94608	Client Contact: Ron Scheele	Date Reported: 01/22/03
	Client P.O.:	Date Completed: 01/22/03

WorkOrder: 0301155

January 22, 2003

Dear Ron:

Enclosed are:

1). the results of **6** analyzed samples from your **#129-0741; 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; Hooshi's	Date Sampled: 01/10/03
6262 Hollis St.		Date Received: 01/14/03
Emeryville, CA 94608	Client Contact: Ron Scheele	Date Extracted: 01/15/03-01/22/03
	Client P.O.:	Date Analyzed: 01/15/03-01/22/03

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0301155

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-1	W	ND	ND	ND	0.74	ND	ND	1	92.6
002A	MW-2	W	16,000,a,h	ND<100	300	320	580	830	20	114
003A	MW-3	W	ND	19	ND	ND	ND	ND	1	109
004A	MW-4	W	ND	20	ND	ND	ND	ND	1	113
005A	MW-5	W	290,a	ND	ND	1.8	ND	17	1	107
006A	MW-6	W	ND	19	ND	ND	ND	ND	1	107
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 are reported in µg/L, soil and sludge samples in mg/kg, wipe samples in µg/wipe, and TCLP extracts in µg/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

Edward Hamilton, Lab Director

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; Hooshi's	Date Sampled: 01/10/03
6262 Hollis St.		Date Received: 01/14/03
Emeryville, CA 94608	Client Contact: Ron Scheele	Date Extracted: 01/22/03
	Client P.O.:	Date Analyzed: 01/22/03

Methyl tert-Butyl Ether*

Extraction method: SW5030B Analytical methods: SW8260B Work Order: 0301155

Lab ID	Client ID	Matrix	Methyl-t-butyl ether (MTBE)	DF	% SS
003A	MW-3	W	16	1	119
004A	MW-4	W	15	1	114
006A	MW-6	W	16	1	115

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

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

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

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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: 0301155

EPA Method: SW8021B/8015Cm	Extraction: SW5030B	BatchID: 5616	Spiked Sample ID: 0301155-006A

Compound	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(gas)	ND	60	110	109	1.25	103	103	0.312	80	120
MTBE	15.56	10	102	109	2.84	84.5	89.5	5.74	80	120
Benzene	ND	10	114	114	0.0461	99.3	96.3	3.62	80	120
Toluene	0.5035	10	110	105	4.36	101	99.2	1.86	80	120
Ethylbenzene	ND	10	113	114	0.447	97.6	94.6	3.08	80	120
Xylenes	ND	30	120	110	8.70	103	99.7	3.61	80	120
%SS:	102	100	110	107	2.79	92	89.3	3.07	80	120

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.

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.

% 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.

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 SW8260B

Matrix: W WorkOrder: 0301155

EPA Method: SW8260B	Extraction: SW5030B	BatchID: 5687	Spiked Sample ID: N/A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Methyl-t-butyl ether (MTBE)	N/A	10	N/A	N/A	N/A	79.6	77.9	2.22	70	130
%SS1:	N/A	100	N/A	N/A	N/A	99.5	97	2.47	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.

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.

% 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.

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0301155

Client:
Cambria Env. Technology
6262 Hollis St.
Emeryville, CA 94608

TEL: (510) 450-1983
FAX: (510) 450-8295
ProjectNo: #129-0741; Hooshi's
PO:

Date Received: **1/14/03**
Date Printed: **1/14/03**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests						
					8021B/8015						
0301155-001	MW-1	Water	1/10/03 1:50:00 PM		A						
0301155-002	MW-2	Water	1/10/03 3:50:00 PM		A						
0301155-003	MW-3	Water	1/10/03 12:50:00 PM		A						
0301155-004	MW-4	Water	1/10/03 1:20:00 PM		A						
0301155-005	MW-5	Water	1/10/03 2:20:00 PM		A						
0301155-006	MW-6	Water	1/10/03 12:20:00 PM		A						

Prepared by: Sonia 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.

cete

030115 5

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

CHAIN OF CUSTODY RECORD

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

EDF Required? ☒ Yes ☐ No

Report To: Ron Scheels Bill To: Cambria Env. Tech.

Company: Cambria Environmental Technology Inc.
6262 Hollis Street
Emeryville, CA 94608 E-mail:

Tele: 510-450-1983 Fax: 510-450-8295

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

Project Location: 1499 MacArthur Blvd. Oakland, Ca

Sampler Signature: [signature]

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	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	Other	Other	Other: MTBE conf. 1-22-03	Comments: Confirm all MTBE hits by 8260
MW-1		1-10-03	1:50	3	voa	X					X	X			X																			
MW-2		1-10-03	3:50	3	voa	X					X	X			X																			
MW-3		1-10-03	12:50	3	voa	X					X	X			X																			
MW-4		1-10-03	1:20	3	voa	X					X	X			X																		X	
MW-5		1-10-03	2:20	3	voa	X					X	X			X																		X	
MW-6		1-10-03	12:20	3	voa	X					X	X			X																		X	

Relinquished By:	Date:	Time:	Received By:
[signature]	1-13-03	8:00	secure location
[signature]	01/14	1305	[signature] 288
[signature] 288	01/14	1430	[signature]

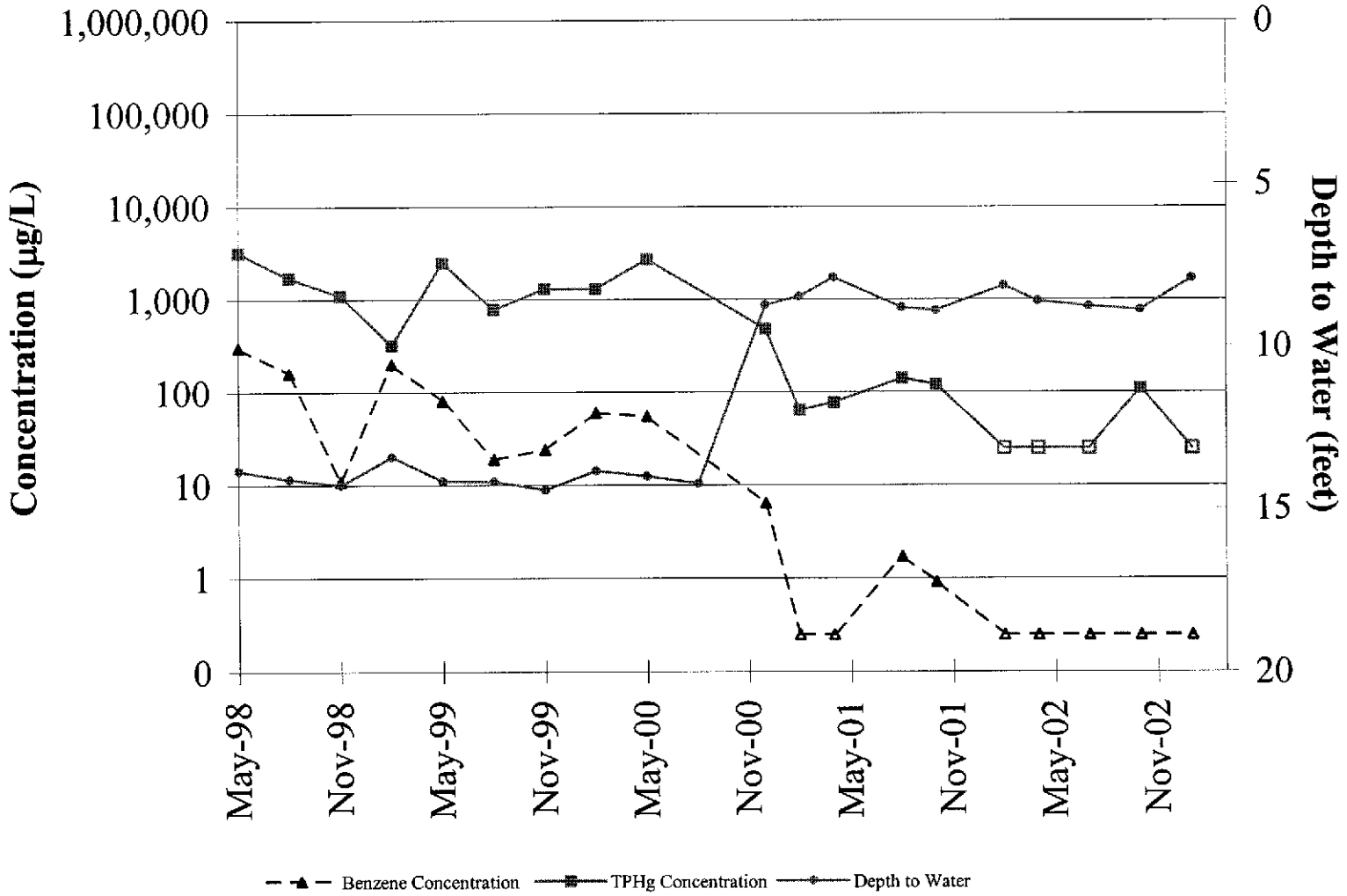
Remarks: [illegible]

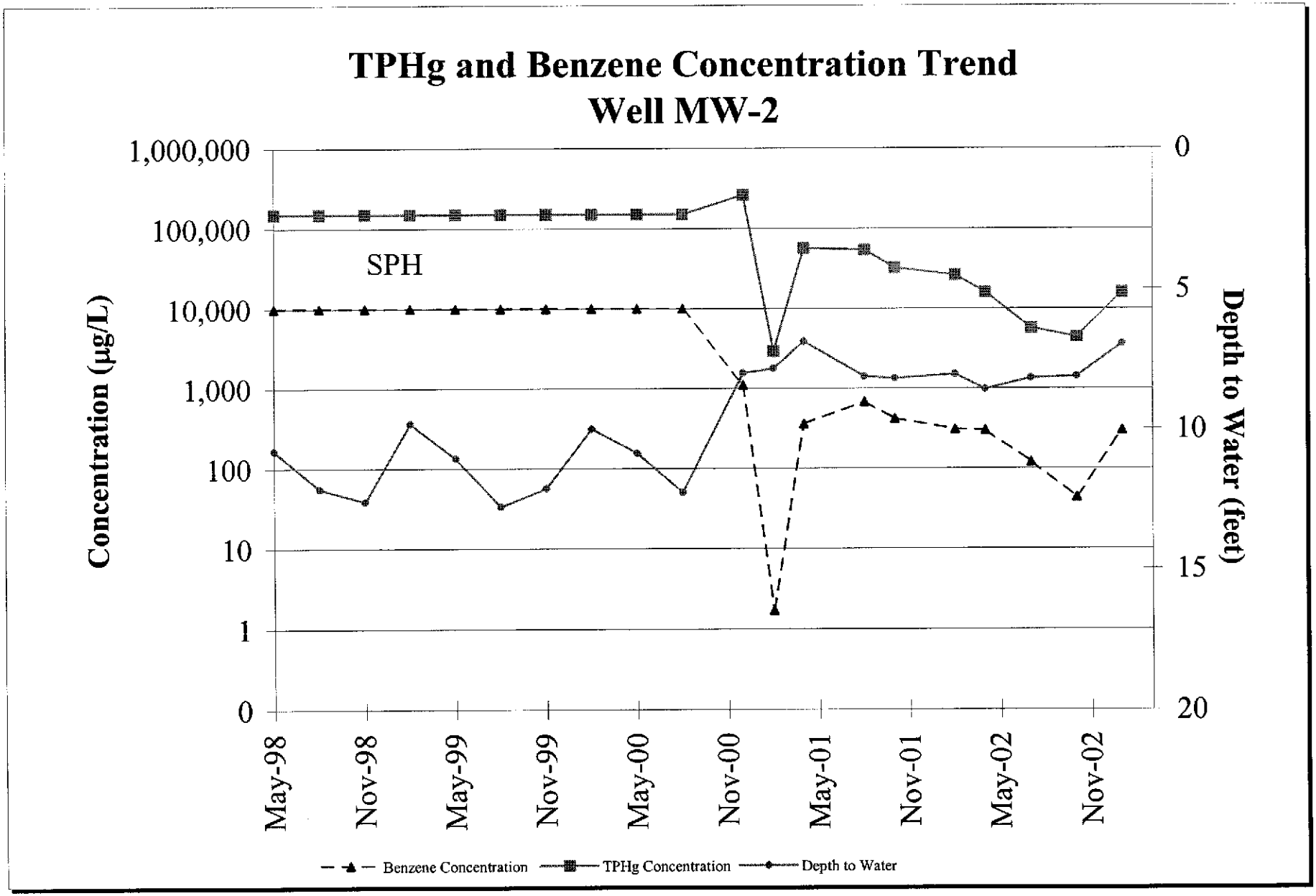
CAMBRIA

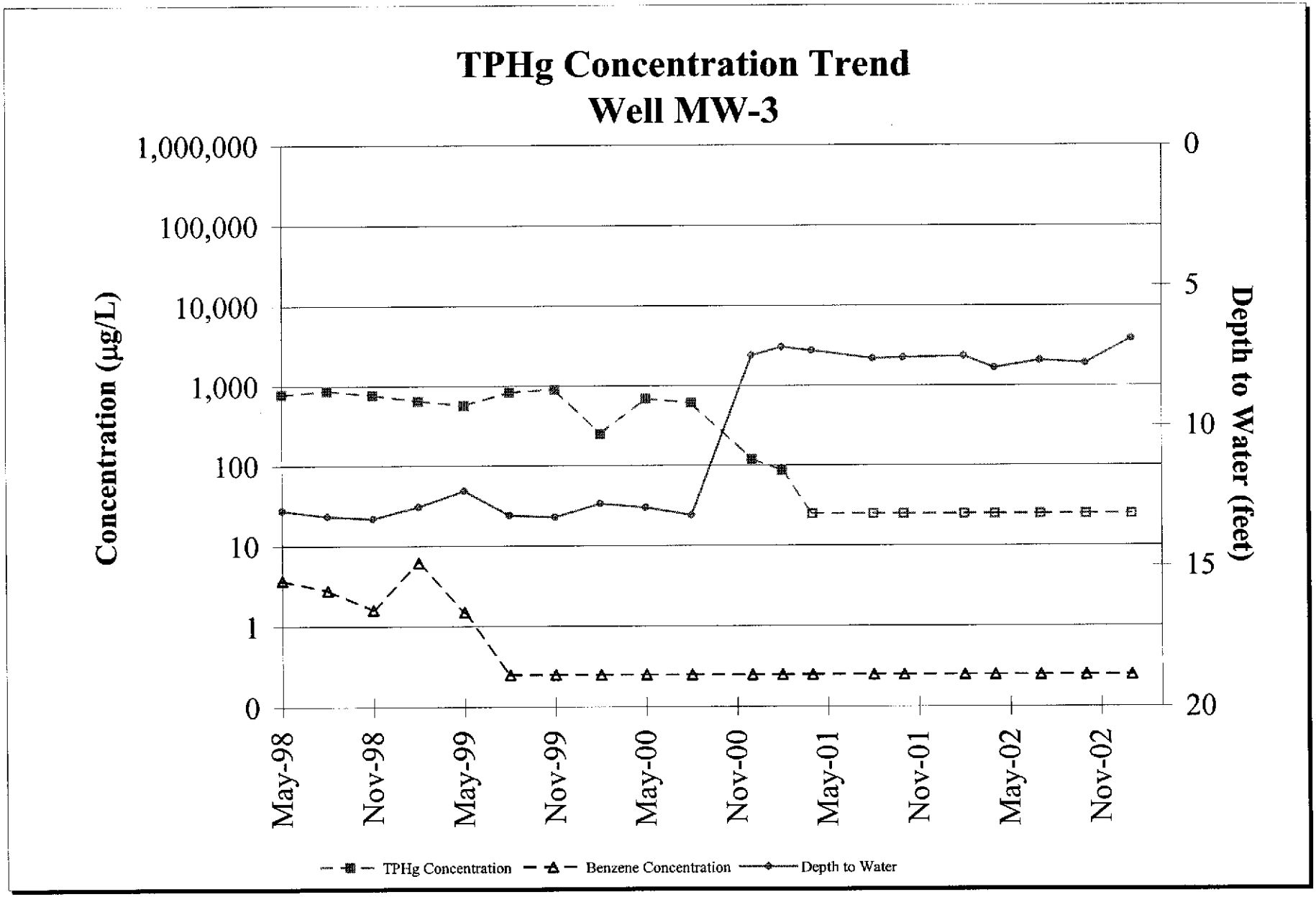
ATTACHMENT C

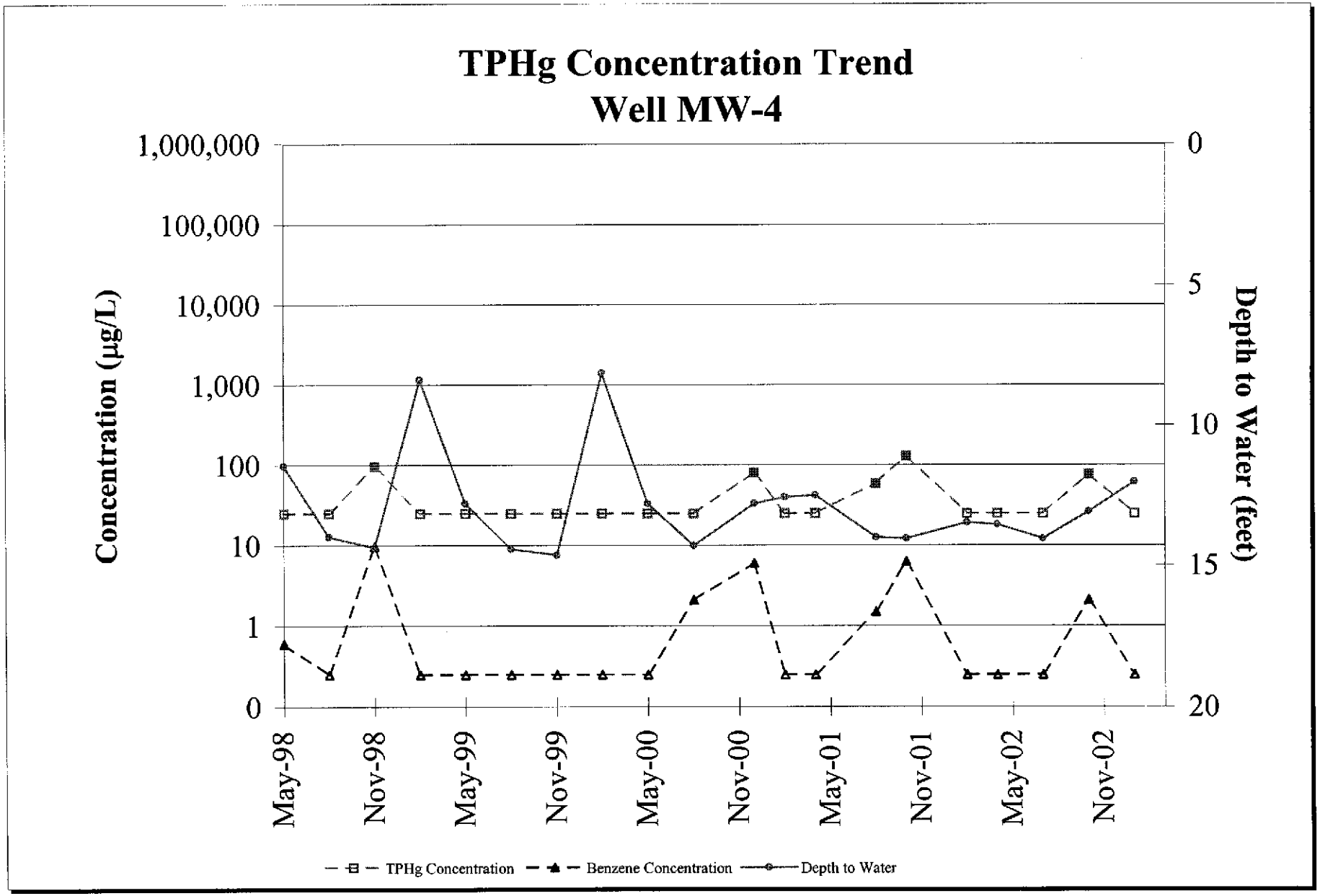
Benzene Concentration Graphs

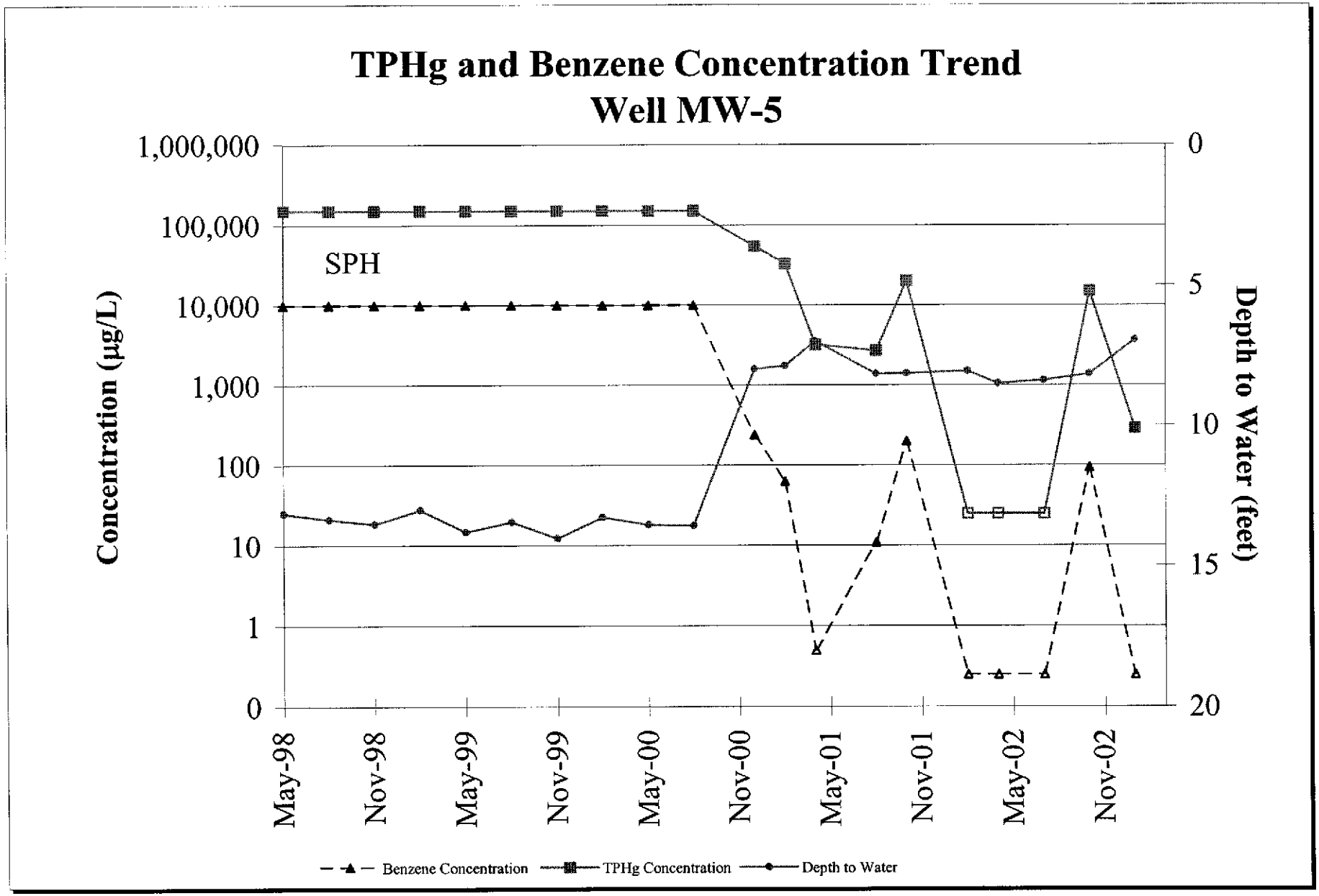
TPHg and Benzene Concentration Trend
Well MW-1




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
Benzene Concentration
TPHg Concentration
Depth to Water


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


TPHg 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
TPHg Concentration
Benzene Concentration
Depth to Water


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

CAMBRIA

APPENDIX D

Electronic Delivery Confirmations

AB2886 Electronic Delivery

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

Your EDF file has been succcessfully uploaded!

Confirmation Number: 6773558437
Date/Time of Submittal: 4/29/2003 12:48:18 PM
Facility Global ID: T0600100714
Facility Name: HOOSHI'S AUTO SERVICE
Submittal Title: 1st Qtr 2003, Groundwater Analytical Data
Submittal Type: GW Monitoring Report

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

AB2886 Electronic Delivery

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:	**1st Qtr 2003, Groundwater Depths for 1499 MacArthur Boulevard, Oakland**
Submittal Date/Time:	**4/29/2003 12:50:56 PM**
Confirmation Number:	2413299381

Back to Main Menu

Logged in as CAMBRIA-EM (AUTH_RP)

CONTACT SITE ADMINISTRATOR.