

RO484

C A M B R I A

December 27, 2005

Mr. Don Hwang
Alameda County Environmental Health Services
UST Local Oversight Program
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Fourth Quarter 2005 Monitoring Report**

Former ARCO Service Station
706 Harrison Street
Oakland, California
STID 3749
Fuel Leak Case RO0000484
Cambria Project #230-0116

Alameda County
DEC 30 2005



Dear Mr. Hwang:

On behalf of Mr. Bo K. Gin, Cambria Environmental Technology, Inc. is submitting this *Fourth Quarter 2005 Monitoring Report* for the subject site. The report describes the fourth quarter 2005 activities and results as well as 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: *Fourth Quarter 2005 Monitoring Report*

cc: Mr. Bo K. Gin, 342 Lester Avenue, Oakland, California 94606
Mr. Robert Kitay, Aqua Science Engineering, 208 W. Pintado Road, Danville, California 94526

**Cambria
Environmental
Technology, Inc.**

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

FOURTH QUARTER 2005 MONITORING REPORT

**Former ARCO Service Station
706 Harrison Street
Oakland, California
STID 3749
Fuel Leak Case RO0000484
Cambria Project #230-0116**

December 27, 2005

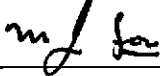
Prepared for:

Mr. Bo K. Gin
342 Lester Avenue
Oakland, California 94606

Prepared by:


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

Written by:

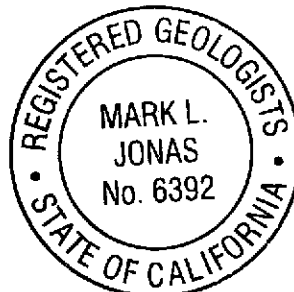


Matthew A. Meyers
Project Geologist

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



DEC 29 2005
ALCOHOLIC BEVERAGE



FOURTH QUARTER 2005 MONITORING REPORT

Former ARCO Service Station
706 Harrison Street
Oakland, California
STID 3749
Fuel Leak Case RO0000484
Cambria Project #230-0116

December 27, 2005

INTRODUCTION



On behalf of Mr. Bo K. Gin, Cambria Environmental Technology, Inc. (Cambria) is submitting this *Fourth Quarter 2005 Monitoring Report* for the subject site. Presented below are the fourth quarter 2005 groundwater monitoring activities and results and 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 and elevations, 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 benzene and methyl tertiary butyl ether (MTBE) concentrations, and groundwater elevations. Appendix D contains the GeoTracker electronic delivery confirmation documentation. Appendix E provides monitoring groundwater elevations and analytical data for the neighboring former Shell Station located at 726 Harrison Street, in Oakland, California.


FOURTH QUARTER 2005 ACTIVITIES

Monitoring Activities

Field Activities: On October 18, 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, MW-2, MW-4, MW-6 and MW-7 (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.

Groundwater samples were collected using new disposable bailers, decanted into appropriate sampling containers supplied by the analytical laboratory. Samples were labeled, placed in protective foam sleeves, stored on crushed, water-based ice at or below 4 degrees Celsius and transported under a chain-of-custody (COC) to the laboratory. The COC used for this monitoring event is provided in Appendix B.



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; benzene, toluene, ethylbenzene, and total xylenes (BTEX) and MTBE by EPA Method SW8021B; and MTBE by EPA Method SW8260B. The analytical laboratory report is included in Appendix B. Groundwater analytical results are provided on Table 1 and summarized on Figure 1. Groundwater analytical results have been submitted to the GeoTracker database (Appendix D).


Monitoring Results

Groundwater Gradient: Based on depth-to-water measurements collected during the monitoring event on October 18, 2005, groundwater appears to flow towards the south with an apparent gradient of 0.011 feet per foot (Figure 1). 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 wells MW-1, MW-2, and MW-4 during this sampling event (Table 1). The highest TPHg and BTEX concentrations were detected in monitoring well MW-2 at 77,000 micrograms per liter ($\mu\text{g/L}$), 3,300 $\mu\text{g/L}$, 14,000 $\mu\text{g/L}$, 2,400 $\mu\text{g/L}$, and 11,000 $\mu\text{g/L}$, respectively. TPHg, benzene, and ethylbenzene concentrations were detected in onsite well MW-1 at 1,700 $\mu\text{g/L}$, 340 $\mu\text{g/L}$, and 28 $\mu\text{g/L}$, respectively.

Hydrocarbon concentrations remain elevated in upgradient well MW-4 at 2,500 $\mu\text{g/L}$ TPHg, 450 $\mu\text{g/L}$ benzene, 28 $\mu\text{g/L}$ toluene, 47 $\mu\text{g/L}$ ethylbenzene, and 51 $\mu\text{g/L}$ xylenes. No hydrocarbons, excluding MTBE (see below), were detected in down/cross-gradient well MW-6 or cross-gradient well MW-7. Analytical results are presented in Figure 1, Table 1, and Appendix B.

MTBE Distribution in Groundwater: MTBE was detected in onsite well MW-1, source area well MW-2, upgradient well MW-4, down/cross gradient well MW-6, and cross gradient well MW-7 during this sampling event. The highest MTBE concentration was detected in onsite well MW-1 at 7,200 $\mu\text{g/L}$. MTBE concentrations in wells MW-2, MW-4, MW-6, and MW-7 were 6,400 $\mu\text{g/L}$, 4,500 $\mu\text{g/L}$, 0.87 $\mu\text{g/L}$, and 15 $\mu\text{g/L}$, respectively.

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 through MW-7. Pursuant to ACHCSA's letter dated February 25, 2003, the well sampling schedule was revised so that wells MW-1, MW-2, and MW-4 are sampled on a quarterly basis and wells MW-3, MW-5, MW-6, and MW-7 are sampled on a semi-annual basis during the first and third quarters. However, due to detections of MTBE in wells MW-6 and MW-7, Cambria will resume quarterly sampling of these wells. Groundwater samples will be analyzed for TPHg by EPA Method SW8015C, BTEX, and MTBE by EPA Method SW8021B. Groundwater samples from wells MW-4, MW-6, and MW-7 will be analyzed for MTBE by EPA Method SW8260B. Should MTBE be detected in other samples by EPA Method SW8021B, the detection will be confirmed using EPA Method SW8260B. Cambria will prepare a groundwater monitoring report summarizing the monitoring activities and results.

ATTACHMENTS:

Figure 1 – Groundwater Elevation Contour and Hydrocarbon Concentration Map

Table 1 – Groundwater Elevations and Analytical Data

Appendix A – Groundwater Monitoring Field Data Sheets

Appendix B – Laboratory Analytical Report

Appendix C – Benzene and MTBE Concentration Graphs

Appendix D – GeoTracker Electronic Delivery Confirmations

Appendix E – Former Shell Station Groundwater Monitoring and Analytical Results

EXPLANATION

- ◆ Monitoring well location
- ◆ Dual SVE/Sparging well
- ◆ SVE well location
- ◆ Shell Monitoring well location

12.00 — Groundwater elevation contour, dashed where inferred

⇨ Groundwater flow direction and gradient (f/ft)

Well ID
ELEV
TPHg
Benzene
MTBE

Groundwater elevation, in feet above mean sea level (msl).
 TPHg, Benzene and MTBE concentrations are in micrograms per liter (µg/L)

NS Not sampled

NM Not measured

• Groundwater elevation anomalous, not used in contouring

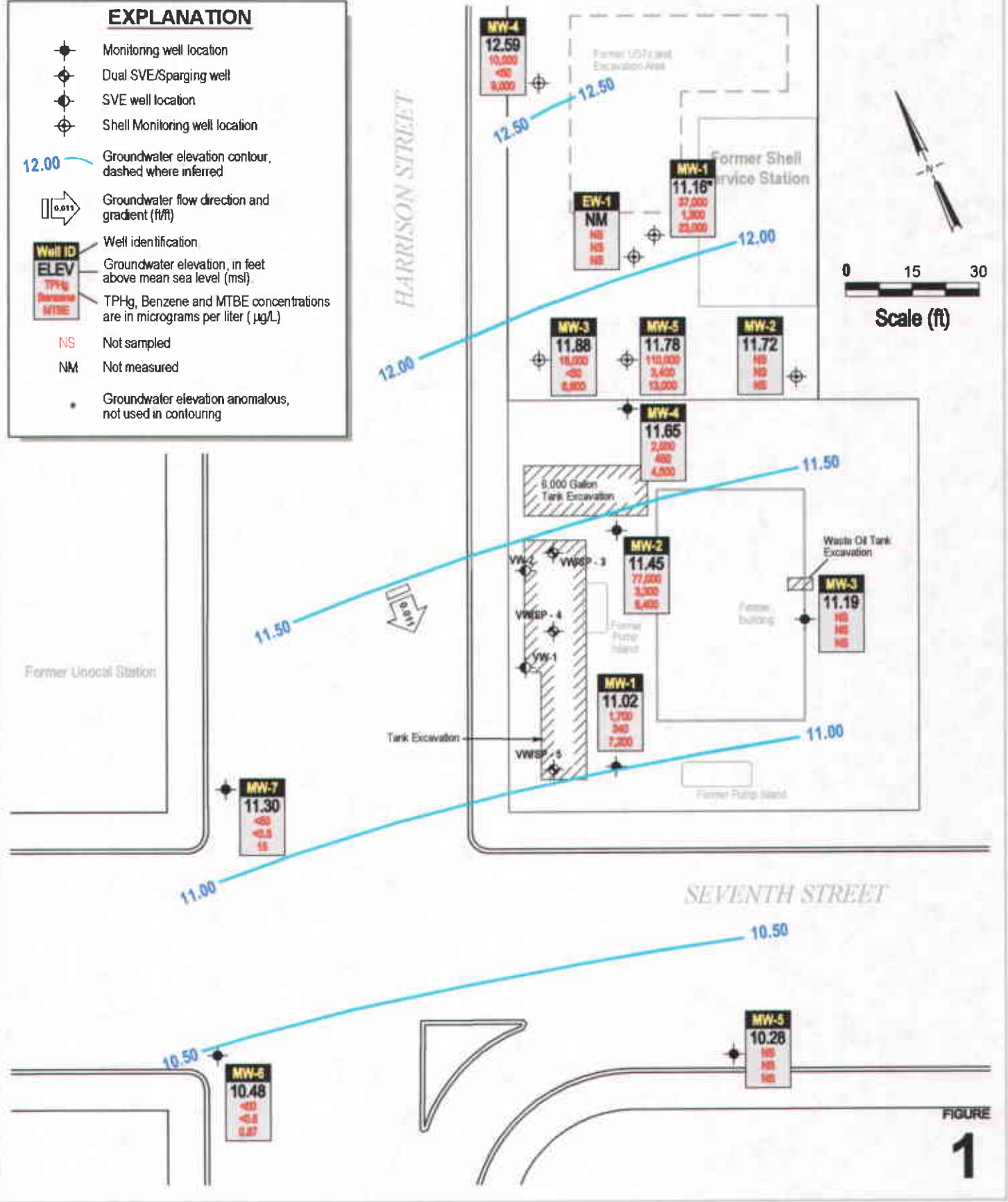


FIGURE 1

FILE:300480-GWFIGURE1300480-MF.DWG

Former ARCO Station
 706 Harrison Street
 Oakland, California



Groundwater Elevation Contour and Hydrocarbon Concentration Map

C A M B R I A

October 18, 2005

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Table 1. Groundwater Elevations and Analytical Data: Former ARCO Station - 706 Harrison Street, Oakland, California

Well ID												
TOC		Depth to	Groundwater						MTBE	MTBE		
Sampling	Date Sampled	Water	Elevation	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	by 8021B	by 8260B		Notes
Frequency		(ft)	(ft-msl)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)		
MW-1	8/13/1993	17.40	11.75	20,000	8,500	640	280	440	-	-		
29.15	12/14/1993	17.27	11.88	17,000	9,200	1,200	4,400	540	-	-		
Quarterly	4/15/1994	17.00	12.15	9,500	3,600	530	160	280	-	-		
	12/29/1994	16.40	12.75	-	-	-	-	-	-	-		
	7/19/1996	15.83	13.32	17,000	5,200	1,100	330	530	-	-		sheen/odor
	1/27/1997	13.58	15.57	30,000	9,800	1,300	790	880	400	-		b, sheen/odor
	6/18/1997	16.11	13.04	19,000	5,600	1,400	510	770	1,200	800		a, b
	9/18/1997	16.62	12.53	48,000	18,000	4,400	1,000	1,700	ND<640	-		b
	12/10/1997	15.93	13.22	22,000	4,900	1,300	580	650	460	260		a, b, odor
	2/18/1998	11.56	17.59	16,000	5,000	750	400	780	1,800	-		b
	5/12/1998	13.53	15.62	19,000	4,600	810	450	770	5,500	-		b, c
	8/18/1998	15.19	13.96	12,000	3,600	1,300	300	570	5,100	3,700		a, b
	11/24/1998	15.67	13.48	13,000	3,600	890	330	380	6,100	-		b
	2/4/1999	15.31	13.84	20,000	5,900	830	450	500	4,900	-		b
	5/18/1999	14.95	14.20	23,000	7,000	1,600	520	830	6,100	-		b
	8/27/1999	15.84	13.31	19,000	5,800	1,700	410	710	1,800	2,100		a, b
	11/18/1999	16.39	12.76	20,000	4,900	630	410	580	4,900	3,600		b
	2/29/2000	13.43	15.72	12,000	2,800	24	290	170	3,100	3,400		a
	5/25/2000	15.08	14.07	12,000	2,200	120	330	260	9,100	12,000		a, b
	8/9/2000	16.09	13.06	13,000	2,500	44	310	140	16,000	-		b
	11/9/2000	15.90	13.25	11,000	2,500	140	380	150	11,000	12,000		b
	1/29/2001	16.05	13.10	9,600	3,100	100	77	200	2,600	2,400		b
	4/16/2001	16.90	12.25	3,300	1,200	4.4	2.7	28	900	940		b
	8/14/2001	17.13	12.02	2,000	500	3.4	24	7.8	68	53		a
	10/22/2001	16.11	13.04	220	83	0.63	2.8	ND<0.5	ND<10	5.7		a
	2/1/2002	16.93	12.22	640	220	1.7	4.7	0.57	ND<10	-		a
	5/10/2002	15.09	14.06	230	26	0.97	ND<0.5	ND<0.5	ND<5.0	-		a
	7/8/2002	15.20	13.95	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5		
	10/2/2002	15.70	13.45	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-		
	1/23/2003	15.09	14.06	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-		
	4/29/2003	13.02	16.13	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-		
26.17	7/18/2003	14.50	11.67	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-		
	10/9/2003	13.81	12.36	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-		
	1/28/2004	13.09	13.08	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-		
	4/7/2004	14.97	11.20	180	60	0.56	1.9	ND<0.5	ND<5.0	-		a
	7/23/2004	14.15	12.02	130	36	ND<0.5	0.65	ND<0.5	ND<5.0	-		a
	10/12/2004	16.30	9.87	ND<50	2.5	1.5	ND<0.5	0.86	ND<5.0	-		
	2/14/2005	13.85	12.32	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-		
	4/27/2005	13.35	12.82	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-		
	7/19/2005	14.68	11.49	4,500	1,400	6.5	160	58	630	-		a
	10/18/2005	15.15	11.02	1,700	340	ND<5.0	28	ND<5.0	8,000	7,200		a

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Well ID												
TOC		Depth to	Groundwater						MTBE	MTBE		
Sampling		Water	Elevation	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	by 8021B	by 8260B		
Frequency	Date Sampled	(ft)	(ft-msl)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)		Notes
MW-2	8/13/1993	17.05	13.46	34,000	6,800	10,000	740	3,900	-	-		
30.51	12/14/1993	18.28	12.23	16,000	3,200	4,200	500	1,700	-	-		
Quarterly	4/15/1994	18.10	12.41	23,000	2,500	4,200	470	1,800	-	-		
	12/29/1994	17.40	13.11	-	-	-	-	-	-	-		
	7/19/1996	16.72	13.79	90,000	7,300	14,000	1,600	7,300	-	-		odor
	1/27/1997	14.89	15.62	63,000	7,100	13,000	1,600	7,100	500	-		b, odor
	6/18/1997	17.12	13.39	52,000	5,100	10,000	1,400	6,000	ND<200	-		b
	9/18/1997	17.63	12.88	110,000	9,400	23,000	2,600	13,000	ND<890	-		b, sheen/odor
	12/10/1997	16.98	13.53	39,000	2,600	5,300	940	3,900	780	320		b, odor
	2/18/1998	12.61	17.90	85,000	9,000	19,000	2,300	11,000	2,400	-		b
	5/12/1998	14.45	16.06	110,000	9,500	21,000	2,500	12,000	ND<1,200	-		b
	8/18/1998	16.14	14.37	64,000	6,000	13,000	1,700	7,800	2,000	1,300		a, b
	11/24/1998	16.70	13.81	78,000	5,300	14,000	2,300	11,000	ND<2,000	-		b, g
	2/4/1999	18.39	12.12	66,000	5,800	16,000	2,600	12,000	3,000	-		b, g
	5/18/1999	15.90	14.61	78,000	6,700	17,000	2,400	10,000	4,300	-		b
	8/27/1999	16.79	13.72	91,000	7,400	17,000	2,300	11,000	1,200	1,000		a, b
	11/18/1999	17.32	13.19	180,000	7,000	20,000	3,300	16,000	ND<6,000	1,700		b, g
	2/29/2000	14.37	16.14	86,000	5,500	13,000	2,000	9,500	3,500	4,700		a
	5/25/2000	16.01	14.50	110,000	6,300	14,000	2,400	10,000	7,500	6,500		a, b, g
	8/9/2000	17.02	13.49	77,000	5,000	13,000	2,000	8,600	5,900	-		b
	11/9/2000	17.00	13.51	70,000	4,800	12,000	1,900	8,000	9,400	8,300		b
	1/29/2001	18.31	12.20	110,000	8,200	21,000	2,800	13,000	2,500	1,900		b, g
	4/16/2001	18.59	11.92	97,000	7,400	15,000	2,500	12,000	ND<3,000	ND<50		b, g
	8/14/2001	18.74	11.77	97,000	6,200	14,000	2,400	13,000	ND<250	ND<50		a, j
	10/22/2001	18.27	12.24	71,000	5,900	15,000	2,400	12,000	ND<1,400	150		a
	2/1/2002	18.05	12.46	1,400	11	88	44	210	ND<5.0	-		a
	5/10/2002	17.15	13.36	97,000	4,500	15,000	2,500	12,000	ND<3,000	-		a, g
	7/8/2002	15.30	15.21	42,000	2,100	6,500	2,200	8,800	ND<1,000	65		a
	10/2/2002	15.89	14.62	70,000	1,700	5,700	1,900	8,300	ND<1,700	-		a
	1/23/2003	17.51	13.00	40,000	1,900	7,800	1,200	5,600	ND<1,000	-		a
	4/29/2003	15.31	15.20	82,000	2,500	11,000	2,200	9,400	ND<2,000	-		a
27.53	7/18/2003	16.84	10.69	57,000	2,100	8,700	2,200	10,000	-	ND<50		a
	10/9/2003	16.05	11.48	49,000	1,800	7,000	1,700	7,600	ND<1,500	26		a
	1/28/2004	15.39	12.14	550	21	33	3.0	61	ND<100	-		a
	4/7/2004	16.01	11.52	41,000	2,500	11,000	1,900	8,000	ND<2,000	-		a
	7/23/2004	15.30	12.23	81,000	2,000	12,000	2,500	12,000	ND<2,000	-		a, h
	10/12/2004	17.87	9.66	75,000	2,600	13,000	2,300	11,000	ND<1,300	-		a
	2/14/2005	14.80	12.73	75,000	2,600	12,000	2,400	10,000	ND<1,800	-		a, h
	4/27/2005	14.63	12.90	61,000	2,800	11,000	1,600	7,000	ND<2,700	-		a
	7/19/2005	15.60	11.93	90,000	3,700	14,000	2,600	10,000	ND<7,000	-		a
	10/18/2005	16.08	11.45	77,000	3,300	14,000	2,400	11,000	7,900	6,400		a

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Table 1. Groundwater Elevations and Analytical Data: Former ARCO Station - 706 Harrison Street, Oakland, California

Well ID											
TOC		Depth to	Groundwater						MTBE	MTBE	
Sampling	Date Sampled	Water	Elevation	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	by 8021B	by 8260B	Notes
Frequency		(ft)	(ft-msl)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	
MW-3	8/13/1993	17.05	12.72	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.5	-	-	
29.77	12/14/1993	17.70	12.07	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.5	-	-	
Semi-annually	4/15/1994	17.40	12.37	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-	-	
	12/29/1994	16.80	12.97	-	-	-	-	-	-	-	
	7/19/1996	16.28	13.49	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-	-	
	1/27/1997	13.83	15.94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	6/18/1997	16.53	13.24	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	9/18/1997	17.07	12.70	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	12/10/1997	16.15	13.62	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	2/18/1998	11.80	17.97	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/12/1998	13.85	15.92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	8/18/1998	15.57	14.20	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/24/1998	16.04	13.73	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	2/4/1999	17.80	11.97	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/18/1999	15.29	14.48	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	8/27/1999	16.15	13.62	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/18/1999	16.77	13.00	-	-	-	-	-	-	-	
	2/29/2000	13.71	16.06	ND<50	2	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/25/2000	15.46	14.31	-	-	-	-	-	-	-	
	8/9/2000	16.46	13.31	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/9/2000	16.25	13.52	-	-	-	-	-	-	-	
	1/29/2001	16.52	13.25	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/16/2001	16.95	12.82	-	-	-	-	-	-	-	
	8/14/2001	17.11	12.66	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/22/2001	16.50	13.27	-	-	-	-	-	-	-	
	2/1/2002	16.90	12.87	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/10/2002	15.03	14.74	-	-	-	-	-	-	-	
	7/8/2002	14.45	15.32	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/2/2002	15.03	14.74	-	-	-	-	-	-	-	
	1/23/2003	15.48	14.29	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/29/2003	12.49	17.28	-	-	-	-	-	-	-	
26.79	7/18/2003	14.80	11.99	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/9/2003	14.13	12.66	-	-	-	-	-	-	-	
	1/28/2004	13.47	13.32	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/7/2004	15.41	11.38	-	-	-	-	-	-	-	
	7/23/2004	14.54	12.25	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/12/2004	16.58	10.21	-	-	-	-	-	-	-	
	2/14/2005	14.19	12.60	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/27/2005	13.68	13.11	-	-	-	-	-	-	-	
	7/19/2005	15.15	11.64	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/18/2005	15.60	11.19	-	-	-	-	-	-	-	

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Table 1. Groundwater Elevations and Analytical Data: Former ARCO Station - 706 Harrison Street, Oakland, California

Well ID	TOC	Depth to Water (ft)	Groundwater Elevation (ft-msl)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE by 8021B (µg/L)	MTBE by 8260B (µg/L)	Notes	
MW-4		12/16/1994	18.10	13.08	2,500	32	6.5	4.5	17	-	-	
31.18		12/29/1994	17.95	13.23	-	-	-	-	-	-	-	
Quarterly		7/19/1996	17.38	13.80	3,300	520	39	67	60	-	-	
		1/27/1997	15.25	15.93	4,500	860	55	100	91	1,100	-	b
		6/18/1997	17.61	13.57	2,700	700	52	81	76	2,200	2,300	a, b
		9/18/1997	18.01	13.17	3,900	760	38	56	64	ND<170	-	b
		12/10/1997	17.45	13.73	12,000	1,800	120	210	210	2,900	2,600	a, b
		2/18/1998	13.09	18.09	1,700	210	8	6.7	16	200	-	b
		5/12/1998	14.78	16.40	2,100	300	15	36	34	920	-	b, c
		8/18/1998	16.59	14.59	4,700	1,000	130	110	150	5,200	4,900	a, b
		11/24/1998	17.18	14.00	3,000	810	44	76	94	4,800	-	b
		2/4/1999	18.90	12.28	2,800	770	50	69	69	3,100	-	b
		5/18/1999	16.30	14.88	4,000	780	57	7.7	79	4,800	-	b
		8/27/1999	17.21	13.97	4,100	870	51	74	99	3,300	4,100	a, b
		11/18/1999	17.77	13.41	3,000	760	43	67	65	5,100	5,400	b
		2/29/2000	14.85	16.33	4,600	1,000	64	94	170	4,100	4,600	a
		5/25/2000	16.45	14.73	2,600	540	39	59	41	3,500	5,300	b
		8/9/2000	17.47	13.71	4,400	930	66	98	79	9,400	-	b
		11/9/2000	17.45	13.73	4,200	630	34	54	44	7,800	9,400	b
		1/29/2001	18.90	12.28	3,100	710	34	66	51	9,400	8,000	b
		4/16/2001	19.17	12.01	160	1.2	1.3	ND<0.5	12	22	20	b
		8/14/2001	19.20	11.98	1,700	190	11	35	13	300	250	b
		10/22/2001	18.95	12.23	1,100	120	3.7	29	7.9	ND<25	16	a
		2/1/2002	19.05	12.13	2,600	25	43	21	280	ND<5.0	-	a
		5/10/2002	17.69	13.49	490	3.5	2.0	2.1	2.2	ND<5.0	-	a
		7/8/2002	15.75	15.43	170	0.51	0.62	1.6	1.2	ND<5.0	2.0	m
		10/2/2002	16.30	14.88	240	1.7	2.0	2.2	0.88	ND<5.0	-	a
		1/23/2003	17.74	13.44	ND<50	0.52	4.1	ND<0.5	1.9	ND<5.0	-	
		4/29/2003	15.47	15.71	1,300	75	4.8	21	7.3	130	120	a
28.20		7/18/2003	17.08	11.12	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-	0.74	a
		10/9/2003	16.25	11.95	210	4.7	0.57	1.6	1.1	ND<10	10	a
		1/28/2004	15.65	12.55	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	a
		4/7/2004	16.49	11.71	-	-	-	-	-	-	-	
		4/12/2004	-	-	770	56	3.2	7.0	6.5	120	160	a
		7/23/2004	15.86	12.34	1,100	130	11	17	17	790	800	a
		10/12/2004	18.05	10.15	150	0.86	ND<0.5	ND<0.5	0.97	ND<10	-	a
		2/14/2005	15.30	12.90	1,500	200	16	30	31	420	550	a
		4/27/2005	14.20	14.00	3,000	520	100	27	86	600	480	a
		7/19/2005	16.08	12.12	1,800	310	16	36	25	1,000	1,100	a
		10/18/2005	16.55	11.65	2,500	450	28	47	51	3,800	4,500	a

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Table 1. Groundwater Elevations and Analytical Data: Former ARCO Station - 706 Harrison Street, Oakland, California

Well ID	TOC	Depth to Water (ft)	Groundwater Elevation (ft-msl)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE by 8021B (µg/L)	MTBE by 8260B (µg/L)	Notes
MW-5		12/16/1994	16.07	11.97	ND<50	1.1	ND<0.5	ND<0.5	2.4	-	-
28.04		12/29/1994	16.10	11.94	-	-	-	-	-	-	-
Semi-annually		7/19/1996	15.49	12.55	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-	-
		1/27/1997	13.60	14.44	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-
		6/18/1997	15.55	12.49	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-
		9/18/1997	16.16	11.88	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-
		12/10/1997	15.41	12.63	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-
		2/18/1998	10.93	17.11	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-
		5/12/1998	13.25	14.79	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-
		8/18/1998	14.75	13.29	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-
		11/24/1998	15.15	12.89	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-
		2/4/1999	14.61	13.43	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-
		5/18/1999	14.15	13.89	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-
		8/27/1999	15.43	12.61	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-
		11/18/1999	15.97	12.07	-	-	-	-	-	-	-
		2/29/2000	13.16	14.88	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-
		5/25/2000	14.72	13.32	-	-	-	-	-	-	-
		8/9/2000	15.68	12.36	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-
		11/9/2000	15.39	12.65	-	-	-	-	-	-	-
		1/29/2001	15.97	12.07	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-
		4/16/2001	16.24	11.80	-	-	-	-	-	-	-
		8/14/2001	17.39	10.65	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-
		10/22/2001	15.90	12.14	-	-	-	-	-	-	-
		2/1/2002	16.55	11.49	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-
		5/10/2002	15.12	12.92	-	-	-	-	-	-	-
		7/8/2002	15.92	12.12	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-
		10/2/2002	16.42	11.62	-	-	-	-	-	-	-
		1/23/2003	14.90	13.14	ND<50	20	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-
		4/29/2003	12.05	15.99	-	-	-	-	-	-	-
25.07		7/18/2003	14.28	10.79	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-
		10/9/2003	13.36	11.71	-	-	-	-	-	-	-
		1/28/2004	12.68	12.39	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-
		4/7/2004	14.71	10.36	-	-	-	-	-	-	-
		7/23/2004	13.49	11.58	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-
		10/12/2004	15.88	9.19	-	-	-	-	-	-	-
		2/14/2005	13.22	11.85	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-
		4/27/2005	13.40	11.67	-	-	-	-	-	-	-
		7/19/2005	14.21	10.86	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-
		10/18/2005	14.79	10.28	-	-	-	-	-	-	-

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Well ID TOC	Sampling Frequency	Date Sampled	Depth to Water (ft)	Groundwater Elevation (ft-msl)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE by 8021B (µg/L)	MTBE by 8260B (µg/L)	Notes
MW-6		12/16/1994	17.74	11.36	-	-	-	-	-	-	-	
29.10		12/29/1994	17.40	11.70	-	-	-	-	-	-	-	
Quarterly		7/19/1996	16.60	12.50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-	-	
		1/27/1997	14.88	14.22	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		6/18/1997	16.73	12.37	51	22	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	c
		9/18/1997	17.24	11.86	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		12/10/1997	16.56	12.54	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		2/18/1998	12.93	16.17	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		5/12/1998	14.35	14.75	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		8/18/1998	15.94	13.16	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		11/24/1998	16.46	12.64	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		2/4/1999	18.25	10.85	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		5/18/1999	15.73	13.37	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		8/27/1999	15.64	13.46	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		11/18/1999	17.04	12.06	-	-	-	-	-	-	-	
		2/29/2000	14.55	14.55	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		5/25/2000	15.86	13.24	-	-	-	-	-	-	-	
		8/9/2000	16.80	12.30	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		11/9/2000	16.60	12.50	-	-	-	-	-	-	-	
		1/29/2001	17.00	12.10	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		4/16/2001	17.15	11.95	-	-	-	-	-	-	-	
		8/14/2001	17.30	11.80	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		10/22/2001	17.13	11.97	-	-	-	-	-	-	-	
		2/1/2002	16.57	12.53	70	37	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	a
		5/10/2002	15.25	13.85	-	-	-	-	-	-	-	
		7/8/2002	15.79	13.31	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		10/2/2002	16.38	12.72	-	-	-	-	-	-	-	
		1/23/2003	16.03	13.07	ND<50	21	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		4/29/2003	14.19	14.91	-	-	-	-	-	-	-	
26.13		7/18/2003	15.47	10.66	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		10/9/2003	14.73	11.40	-	-	-	-	-	-	-	
		1/28/2004	14.05	12.08	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		4/7/2004	14.41	11.72	-	-	-	-	-	-	-	
		7/23/2004	15.15	10.98	3,300	1,300	ND<5.0	52	9.7	ND<50	-	a
		10/12/2004	17.29	8.84	-	-	-	-	-	-	-	
		2/14/2005	14.60	11.53	350	160	ND<0.5	ND<0.5	ND<0.5	ND<25	2.0	a,i
		4/27/2005	14.10	12.03	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
		7/19/2005	15.18	10.95	110	15	ND<0.5	0.62	ND<0.5	ND<5.0	1.7	a,i
		10/18/2005	15.65	10.48	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	0.87	i

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Well ID TOC	Sampling Frequency	Date Sampled	Depth to Water (ft)	Groundwater Elevation (ft-msl)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE by 8021B (µg/L)	MTBE by 8260B (µg/L)	Notes
MW-7		12/16/1994	17.07	12.60	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
29.67		12/29/1994	17.65	12.02	-	-	-	-	-	-	-	
Quarterly		7/19/1996	16.44	13.23	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		1/27/1997	15.09	14.58	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		6/18/1997	16.59	13.08	73	ND<0.5	0.55	ND<0.5	ND<0.5	ND<5.0	-	d
		9/18/1997	17.06	12.61	94	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	b, f
		12/10/1997	16.58	13.09	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		2/18/1998	12.60	17.07	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		5/12/1998	14.81	14.86	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		8/18/1998	15.67	14.00	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		11/24/1998	16.30	13.37	200	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	d
		2/4/1999	15.99	13.68	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		5/18/1999	15.42	14.25	200	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	d
		8/27/1999	16.35	13.32	140	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		11/18/1999	16.81	12.86	--	--	--	--	--	--	-	
		2/29/2000	14.16	15.51	100	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	f
		5/25/2000	15.54	14.13	--	--	--	--	--	--	-	
		8/9/2000	16.56	13.11	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		11/9/2000	16.45	13.22	-	-	-	-	-	-	-	
		1/29/2001	16.92	12.75	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		4/16/2001	17.03	12.64	-	-	-	-	-	-	-	
		8/14/2001	17.27	12.40	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		10/22/2001	16.95	12.72	-	-	-	-	-	-	-	
		2/1/2002	16.14	13.53	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		5/10/2002	15.30	14.37	-	-	-	-	-	-	-	
		7/8/2002	15.73	13.94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		10/2/2002	16.24	13.43	-	-	-	-	-	-	-	
		1/23/2003	15.70	13.97	ND<50	23	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		4/29/2003	12.68	16.99	-	-	-	-	-	-	-	
26.70		7/18/2003	15.19	11.51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		10/9/2003	14.45	12.25	-	-	-	-	-	-	-	
		1/28/2004	13.88	12.82	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
		4/7/2004	15.71	10.99	-	-	-	-	-	-	-	
		7/23/2004	14.85	11.85	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	130	120	
		10/12/2004	16.90	9.80	-	-	-	-	-	-	-	
		2/14/2005	14.42	12.28	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	190	200	
		4/27/2005	13.75	12.95	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	1.3	
		7/19/2005	14.91	11.79	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	65	66	
		10/18/2005	15.40	11.30	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	12	15	

CAMBRIA

Table 1. Groundwater Elevations and Analytical Data: Former ARCO Station - 706 Harrison Street, Oakland, California

Well ID	TOC	Depth to Water	Groundwater Elevation	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE by 8021B	MTBE by 8260B	Notes
Frequency	Date Sampled	(ft)	(ft-msl)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	
VW-3	3/6/2003	-	-	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	i
-	3/25/2003	-	-	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	i
VW-4	3/6/2003	-	-	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
-	3/25/2003	-	-	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
Trip Blank	11/9/2000	-	-	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	2/14/2005	-	-	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	

Abbreviations and Analyses:

ND<0.5 = Not Detected (ND) above Detection Limit.
 TOC = Top of casing elevation, measured in feet, relative to mean sea level
 ft = Measured in feet
 ft-msl = Feet in elevation relative to mean sea level
 TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method SW8015C
 Benzene, ethylbenzene, toluene and xylenes by EPA Method SW8021B.
 MTBE = Methyl tertiary butyl ether by EPA Method SW8021B and/or SW8260B.
 µg/L = Micrograms per liter
 - = Not sampled, not analyzed, or not applicable
 Data prior to 12/16/94 provided by previous consultant.
 Wells were re-surveyed on October 27, 2003 to City of Oakland Benchmark 25A.

Analytical Laboratory Notes:


a = "unmodified or weakly modified gasoline is significant"
 b = "heavier gasoline range compounds are significant"
 c = "lighter gasoline range compounds are significant"
 d = "isolated peaks are present"
 f = "hydrocarbons with no recognizable patterns are present"
 g = "lighter than water immiscible sheen is present"
 h = "lighter than water immiscible sheen/product is present"
 i = "sample contains greater than ~1 vol. % sediment"
 j = "sample was diluted due to high organic content"
 m = "no recognizable pattern"

APPENDIX A

Groundwater Monitoring Field Data Sheets



WELL GAUGING SHEET

Client: Cambria Environmental Technology Inc.						
Site Address: 706 Harrison Street Oakland, CA						
Date: 10/18/2005			Signature: 			
Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-1	2:50		15.15		24.40	
MW-2	3:00		16.08		25.40	
MW-3	2:30		15.60		27.73	
MW-4	2:55		16.55		25.59	
MW-5	2:15		14.79		27.92	
MW-6	2:35		15.65		25.93	
MW-7	2:40		15.40		27.80	



WELL SAMPLING FORM

Date:		10/18/2005				
Client:		Cambria Environmental Technology Inc.				
Site Address:		706 Harrison Street Oakland, CA				
Well ID:		MW-6				
Well Diameter:		2"				
Purging Device:		Disposable Bailer				
Sampling Method:		Disposable Bailer				
Total Well Depth:		25.93	Fe= mg/L			
Depth to Water:		15.65	ORP= mV			
Water Column Height:		10.28	DO= mg/L			
Gallons/ft:		0.16				
1 Casing Volume (gal):		1.64	COMMENTS: turbid			
3 Casing Volumes (gal):		4.93				
TIME:	CASING VOLUME (gal)	TEMP (Celsius)			pH	COND. (µS/cm)
3:15	1.6	18.5			7.04	912
3:20	3.3	18.3			7.10	975
3:25	4.9	18.3	7.08	991		
Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-6	10/18/2005	3:30	Voa	HCl, ICE	TPHg, BTEX, MTBE	8015, 8021, 8260
Signature:						



WELL SAMPLING FORM

Date:		10/18/2005				
Client:		Cambria Environmental Technology Inc.				
Site Address:		706 Harrison Street Oakland, CA				
Well ID:		MW-7				
Well Diameter:		2"				
Purging Device:		Disposable Bailer				
Sampling Method:		Disposable Bailer				
Total Well Depth:		27.80	Fe= mg/L			
Depth to Water:		15.40	ORP= mV			
Water Column Height:		12.40	DO= mg/L			
Gallons/ft:		0.16				
1 Casing Volume (gal):		1.98	COMMENTS: turbid			
3 Casing Volumes (gal):		5.95				
TIME:	CASING VOLUME (gal)	TEMP (Celsius)			pH	COND. (µS/cm)
4:00	2.0	18.2			7.19	829
4:05	4.0	18.6			7.14	805
4:10	6.0	18.7	7.12	811		
Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-7	10/18/2005	4:15	Voa	HCl, ICE	TPHg, BTEX, MTBE	8015, 8021, 8260
Signature:						

APPENDIX B

Laboratory Analytical Report



McC Campbell Analytical, Inc.

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

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #230-0116; BoGin	Date Sampled: 10/18/05
		Date Received: 10/19/05
	Client Contact: Matt Meyers	Date Reported: 10/25/05
	Client P.O.:	Date Completed: 10/25/05

WorkOrder: 0510362

October 25, 2005

Dear Matt:

Enclosed are:

- 1). the results of 5 analyzed samples from your #230-0116; BoGin project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

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

If you have any questions please contact me. McC Campbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager



QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0510362

EPA Method: SW8021B/8015Cm		Extraction: SW5030B			BatchID: 18620			Spiked Sample ID: 0510361-001A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex) [£]	ND	60	106	104	1.83	107	109	1.34	70 - 130	70 - 130
MTBE	ND	10	100	97.7	2.82	92.5	94.7	2.35	70 - 130	70 - 130
Benzene	ND	10	93.2	93.9	0.726	88.2	90.1	2.18	70 - 130	70 - 130
Toluene	ND	10	93.5	93.7	0.125	89.8	90.6	0.904	70 - 130	70 - 130
Ethylbenzene	ND	10	96.1	95.9	0.248	91.2	93.2	2.18	70 - 130	70 - 130
Xylenes	ND	30	99	95.3	3.77	94.3	94.7	0.353	70 - 130	70 - 130
%SS:	97	10	96	98	1.72	94	96	1.09	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 18620 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0510362-001A	10/18/05 4:55 PM	10/20/05	10/20/05 3:57 AM	0510362-001A	10/18/05 4:55 PM	10/20/05	10/20/05 9:44 PM
0510362-002A	10/18/05 6:10 PM	10/20/05	10/20/05 3:22 AM	0510362-003A	10/18/05 5:35 PM	10/20/05	10/20/05 3:51 AM
0510362-004A	10/18/05 3:30 PM	10/21/05	10/21/05 8:27 PM	0510362-005A	10/18/05 4:15 PM	10/20/05	10/20/05 9:24 AM

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

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

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

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

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

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



QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0510362

EPA Method: SW8260B		Extraction: SW5030B			BatchID: 18621			Spiked Sample ID: 0510349-003A		
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
Methyl-t-butyl ether (MTBE)	ND	10	110	118	7.17	97.3	92.2	5.39	70 - 130	70 - 130
%SS1:	104	10	114	117	2.66	110	113	3.07	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 18621 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0510362-001B	10/18/05 4:55 PM	10/21/05	10/21/05 5:21 PM	0510362-002B	10/18/05 6:10 PM	10/22/05	10/22/05 2:59 PM
0510362-003B	10/18/05 5:35 PM	10/21/05	10/21/05 6:48 PM	0510362-004B	10/18/05 3:30 PM	10/21/05	10/21/05 7:32 PM

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



QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0510362

EPA Method: SW8260B		Extraction: SW5030B			BatchID: 18627			Spiked Sample ID: 0510378-001A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Methyl-1-butyl ether (MTBE)	ND	10	95.3	93.5	1.82	97.3	102	4.28	70 - 130	70 - 130
%SS1:	105	10	119	121	1.23	115	116	0.496	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 18627 SUMMARY

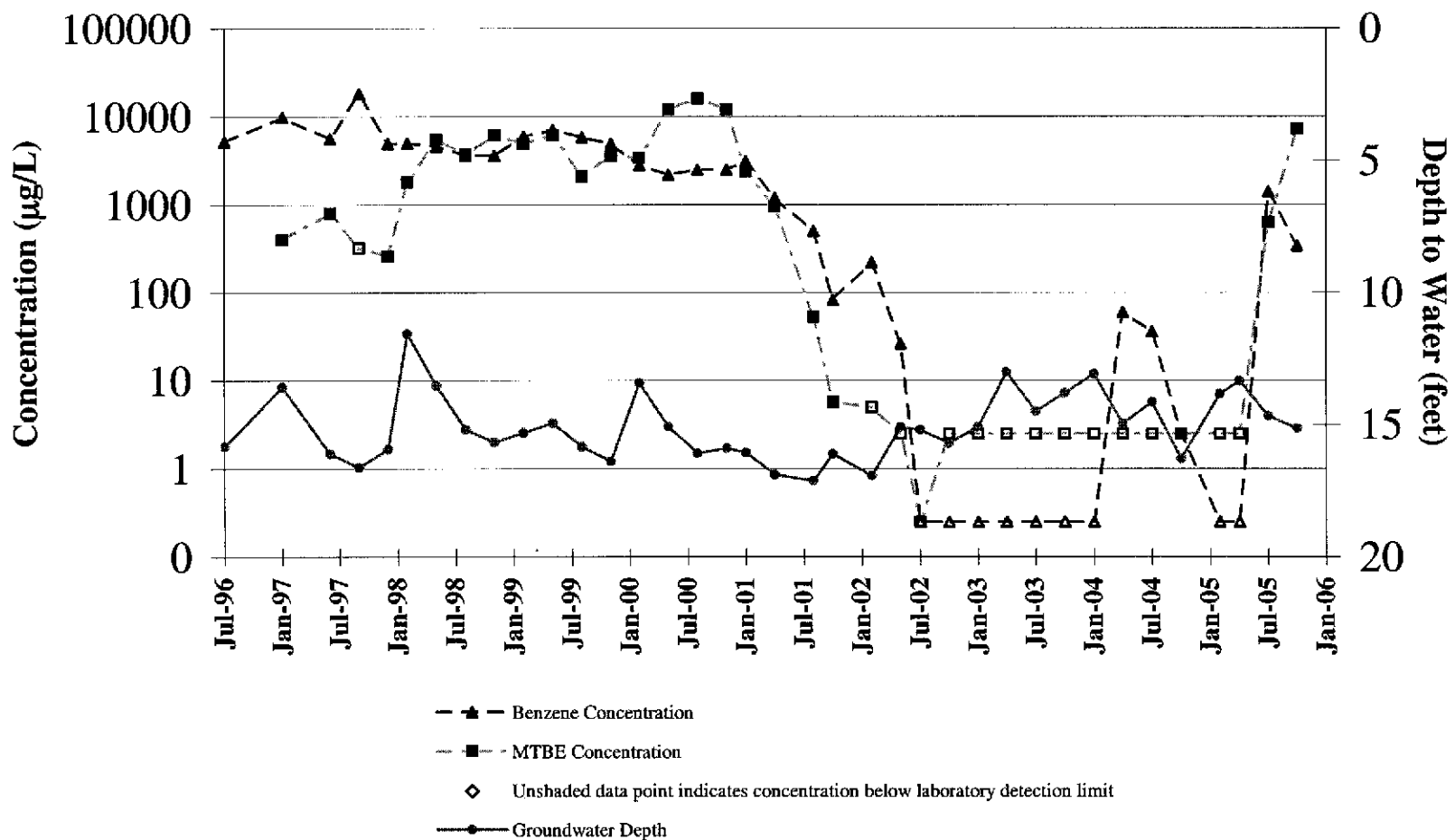
Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0510362-005B	10/18/05 4:15 PM	10/21/05	10/21/05 8:24 PM				

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

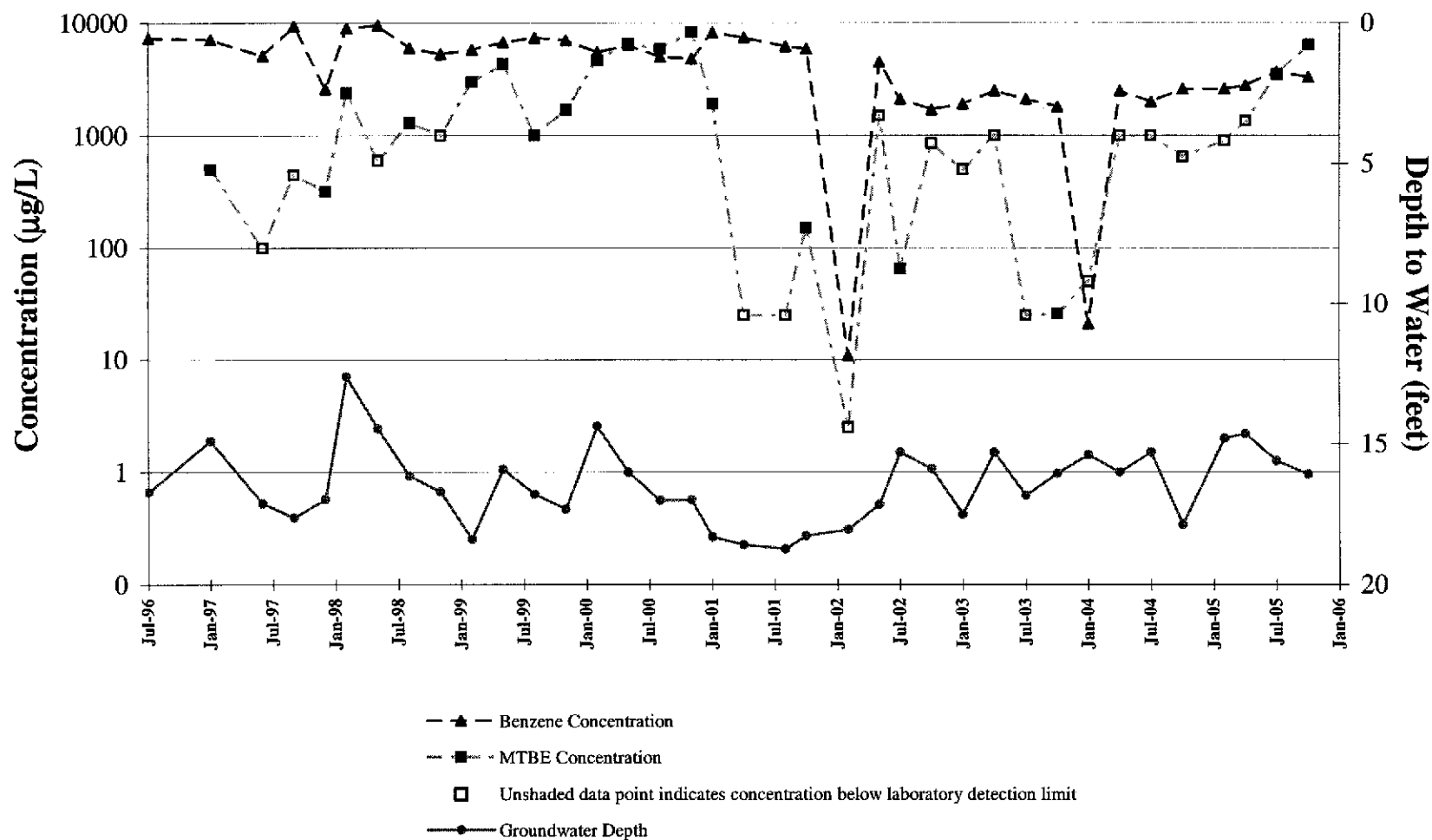
APPENDIX C

Benzene and MTBE Concentration Graphs

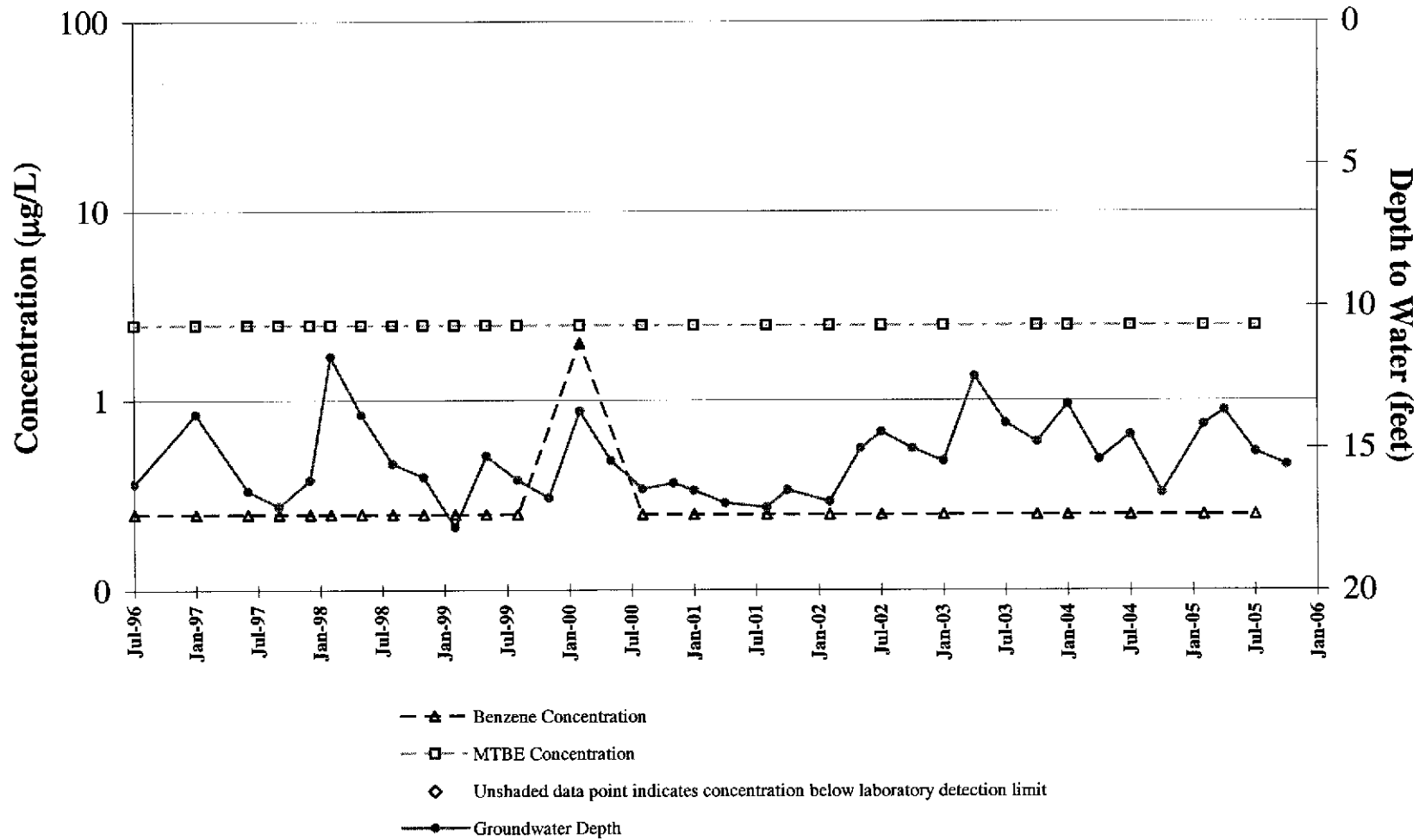
**Monitoring Well MW-1
Benzene and MTBE Concentration Trends
Former ARCO Service Station, 706 Harrison Street, Oakland, CA**



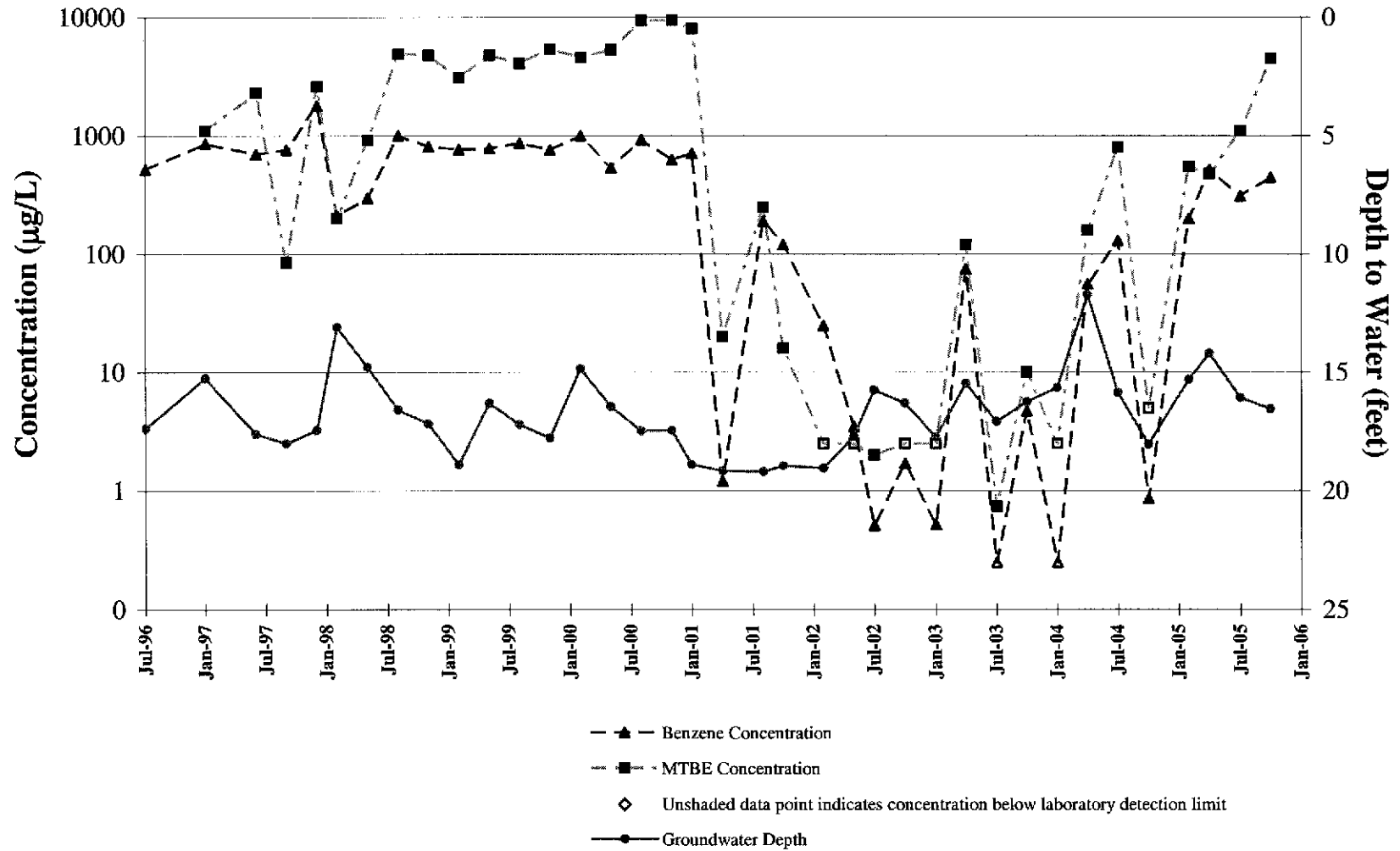
Monitoring Well MW-2 Benzene and MTBE Concentration Trends Former ARCO Service Station, 706 Harrison Street, Oakland, CA



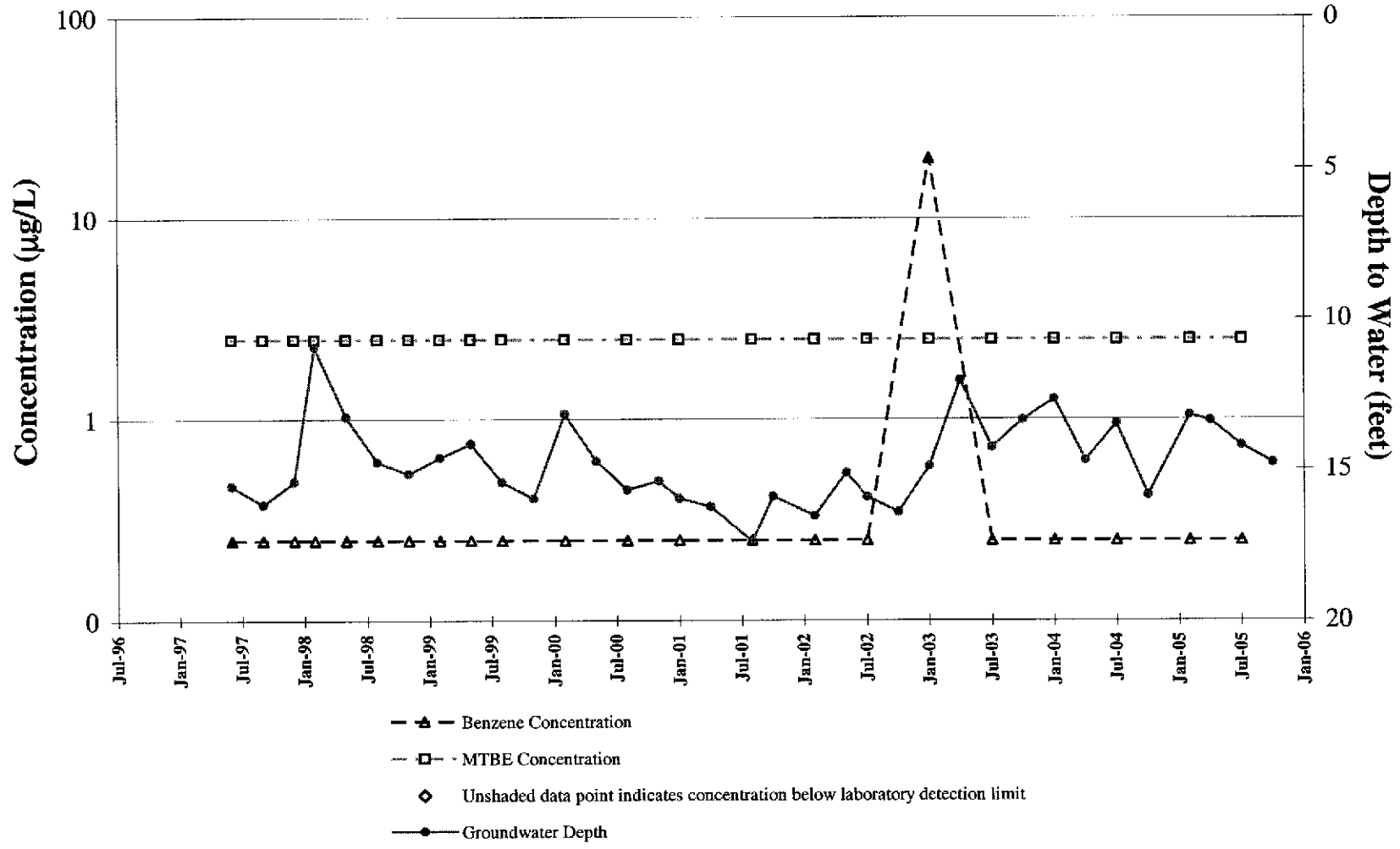
**Monitoring Well MW-3
Benzene and MTBE Concentration Trends
Former ARCO Service Station, 706 Harrison Street, Oakland, CA**



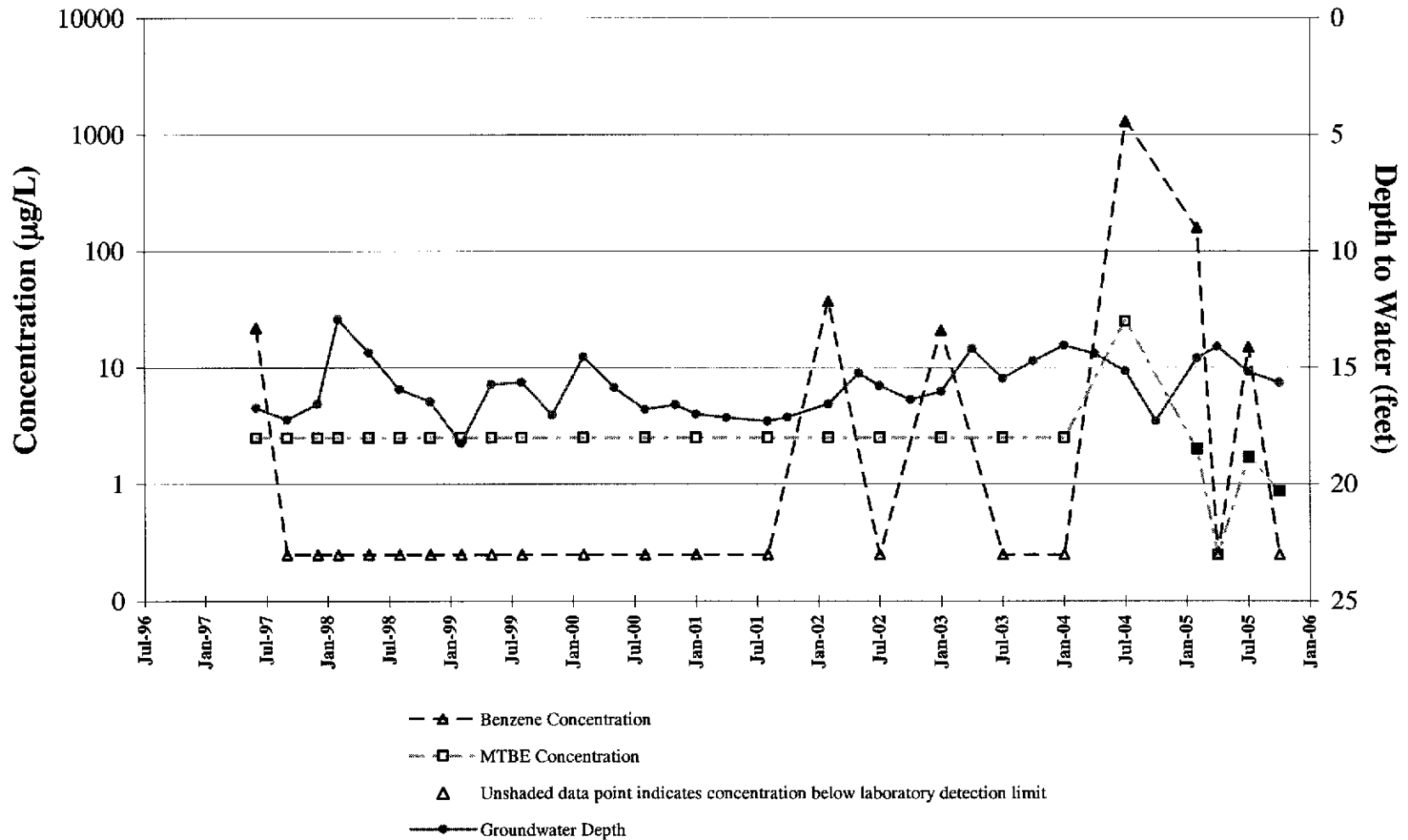
Monitoring Well MW-4 Benzene and MTBE Concentration Trends Former ARCO Service Station, 706 Harrison Street, Oakland, CA



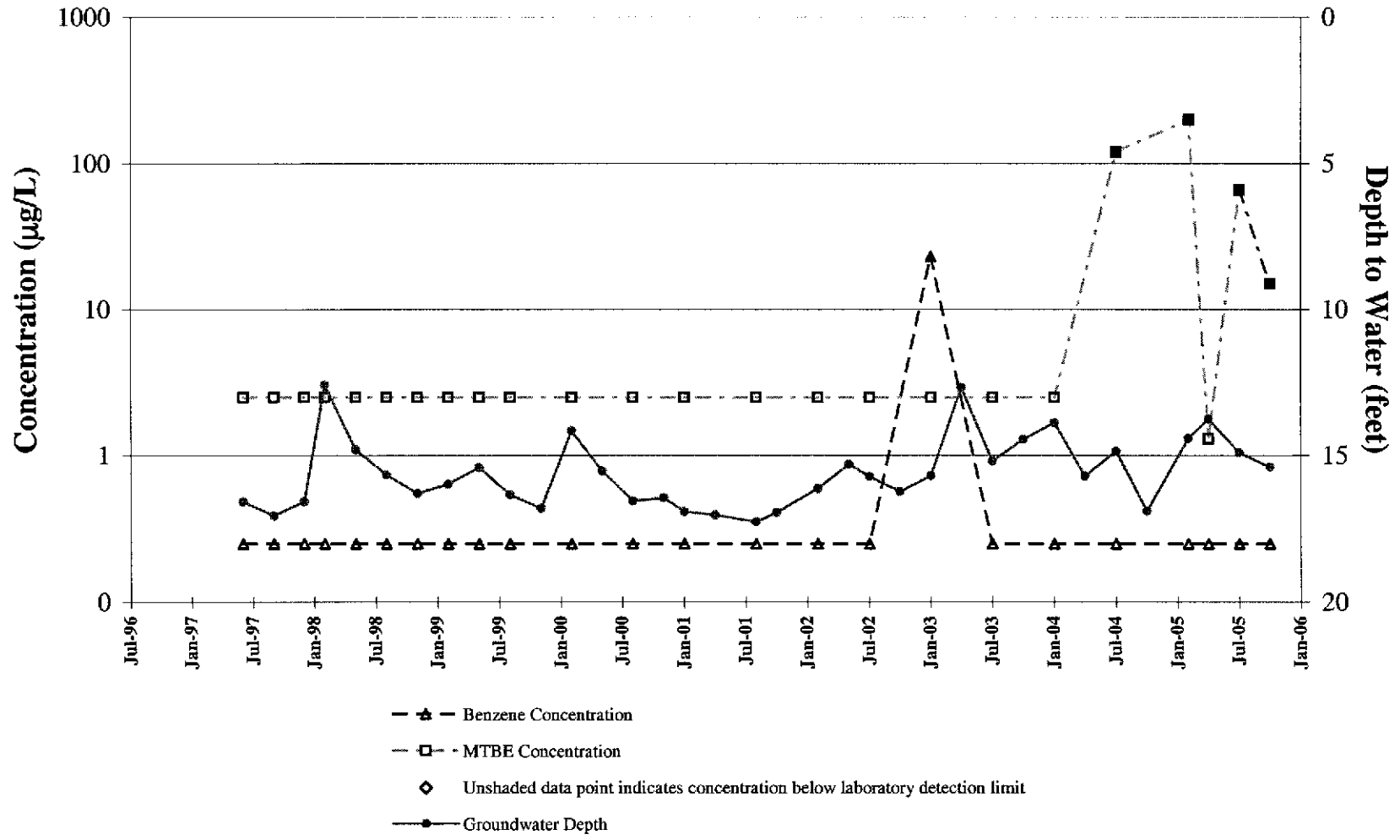
**Monitoring Well MW-5
Benzene and MTBE Concentration Trends
Former ARCO Service Station, 706 Harrison Street, Oakland, CA**



**Monitoring Well MW-6
Benzene and MTBE Concentration Trends
Former ARCO Service Station, 706 Harrison Street, Oakland, CA**



Monitoring Well MW-7 Benzene and MTBE Concentration Trends Former ARCO Service Station, 706 Harrison Street, Oakland, CA



APPENDIX D

GeoTracker Electronic Delivery Confirmations

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Confirmation Number: 7352279901
Date/Time of Submittal: 12/21/2005 2:31:17 PM
Facility Global ID: T0600100985
Facility Name: OAKLAND AUTO PARTS
Submittal Title: 4th Qtr 2005 GW Monitoring Report
Submittal Type: GW Monitoring Report

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OAKLAND AUTO PARTS 706 HARRISON ST OAKLAND, CA 94607	Regional Board - Case #: 01-1068 SAN FRANCISCO BAY RWQCB (REGION 2) - (BG) Local Agency UNKNOWN - (DH)
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CONF #	TITLE	QUARTER
7352279901	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	5
# FIELD POINTS WITH DETECTIONS	5
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	3
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	SW8021F,SW8260B
TESTED FOR REQUIRED ANALYTES?	Y
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%	N
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

<u>SAMPLE</u>	<u>COLLECTED</u>	<u>DETECTIONS > REPD</u>
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

Logged in as CAMBRIA-EM (AUTH_RP)

CONTACT SITE ADMINISTRATOR.

APPENDIX E

Former Shell Station Groundwater Monitoring and Analytical Results

TABLE ONE
Groundwater Elevation Data
Yee Property
726 Harrison St., Oakland, CA

Well ID	Date of Measurement	Top of Casing Elevation (Relative to Mean Sea Level)	Depth to Water (feet)	Groundwater Elevation (project data)		
MW-1	12/15/98	31.95*	17.32	14.63		
	3/4/99		15.52	16.43		
	6/17/99		16.9	15.05		
	8/27/99		17.39	14.56		
	12/9/99		18.03	13.92		
	3/7/00		15.11	16.84		
	6/7/00		16.66	15.29		
	10/11/00		18.08	13.87		
	1/18/01		17.96	13.99		
	4/5/01		16.35	15.60		
	7/17/01		16.94	15.01		
	10/5/01		28.98	17.35	11.63	
	1/18/02			15.40	13.58	
	4/11/02	15.76		13.22		
	7/8/02	16.17		12.81		
	10/9/02	16.72		12.26		
	1/29/03	16.26		12.72		
	4/11/03	16.56		12.42		
	7/18/03	16.42		12.56		
	10/9/03	16.88		12.10		
	1/28/04	16.10		12.88		
	4/7/04	15.43		13.55		
	7/23/04	16.41		12.57		
	10/12/04	17.73		11.25		
	1/29/05	15.02	13.96			
	4/28/05	14.99	13.99			
7/19/05	16.36	12.62				
10/18/05	17.82	11.16				
MW-2	12/15/98	32.40*	18.03	14.37		
	3/4/99		16.11	16.29		
	6/17/99		17.72	14.68		
	8/27/99		Inaccessible			
	12/9/99					
	3/7/00					
	6/7/00			17.67	14.73	
	10/11/00			18.91	13.49	
	1/18/01			18.66	13.74	
	4/5/01			16.97	15.43	
	7/17/01			17.54	14.86	
	10/5/01			29.44	17.98	11.46
	1/18/02				15.87	13.57
	4/11/02	16.36			13.08	
	7/8/02	16.72			12.72	
	10/9/02	17.33			12.11	
	1/29/03	16.82	12.62			
	4/11/03	17.15	12.29			
	7/18/03	17.05	12.39			
	10/9/03	17.52	11.92			
	1/28/04	16.70	12.74			
	4/7/04	16.02	13.42			
	7/23/04	Inaccessible				
	10/12/04		17.31		12.13	
	1/29/05		15.46	13.98		
	4/28/05		15.79	13.65		
7/19/05	17.25		12.19			
10/18/05	17.72		11.72			

TABLE ONE
Groundwater Elevation Data
Yee Property
726 Harrison St., Oakland, CA

Well ID	Date of Measurement	Top of Casing Elevation (Relative to Mean Sea Level)	Depth to Water (feet)	Groundwater Elevation (project data)
MW-3	12/15/98	31.61*	17.26	14.35
	3/4/99		15.47	16.14
	6/17/99		16.92	14.69
	8/27/99		17.40	14.21
	12/9/99		18.01	13.60
	3/7/00		16.15	15.46
	6/7/00		16.85	14.76
	10/11/00		18.07	13.54
	1/18/01		17.89	13.72
	4/5/01		16.21	15.40
	7/17/01	16.90	14.71	
	10/5/01	28.64	17.32	11.32
	1/18/02		15.35	13.29
	4/11/02		15.82	12.82
	7/8/02		16.15	12.49
	10/9/02		16.67	11.97
	1/29/03		16.19	12.45
	4/11/03		16.49	12.15
	7/18/03		16.42	12.22
	10/9/03		16.80	11.84
	1/28/03		15.94	12.70
	4/7/04	15.28	13.36	
	7/23/04	16.15	12.49	
	10/12/04	16.63	12.01	
	1/29/05	16.15	12.49	
4/28/05	14.94	13.70		
7/19/05	16.25	12.39		
10/18/05		16.76	11.88	
MW-4	12/15/98	32.53*	17.59	14.94
	3/4/99		15.88	16.65
	6/17/99		17.14	15.39
	8/27/99		17.65	14.88
	12/9/99		18.28	14.25
	3/7/00		15.41	17.12
	6/7/00		17.09	15.44
	10/11/00		18.33	14.20
	1/18/01		18.23	14.30
	4/5/01		16.69	15.84
	7/17/01	17.32	15.21	
	10/5/01	29.58	17.71	11.87
	1/18/02		15.85	13.73
	4/11/02		16.14	13.44
	7/8/02		16.56	13.02
	10/9/02		17.09	12.49
	1/29/03		16.65	12.93
	4/11/03		16.93	12.65
	7/18/03		16.78	12.80
	10/9/03		17.26	12.32
	1/28/04		16.38	13.20
	4/7/04	15.64	13.94	
	7/23/04	16.58	13.00	
	10/12/04	Inaccessible		
	1/29/05		14.90	14.68
4/28/05	15.18		14.40	
7/19/05	16.48		13.10	
10/18/05			16.99	12.59

TABLE ONE
Groundwater Elevation Data
Yee Property
726 Harrison St., Oakland, CA

Well ID	Date of Measurement	Top of Casing Elevation (Relative to Mean Sea Level)	Depth to Water (feet)	Groundwater Elevation (project data)
MW-5	8/29/01	29.06	17.42	11.64
	1/18/02		15.68	13.38
	4/11/02		16.17	12.89
	7/8/02		16.51	12.55
	10/9/02		17.10	11.96
	1/29/03		16.58	12.48
	4/11/03		16.87	12.19
	7/18/03		16.77	12.29
	10/9/03		17.21	11.85
	1/28/04		16.34	12.72
	4/7/04		15.38	13.68
	7/23/04		16.55	12.51
	10/12/04		17.02	12.04
	1/29/05		15.23	13.83
	4/28/05		15.41	13.65
	7/19/05		16.79	12.27
	10/18/05		17.28	11.78

* Top of casing elevation relative to arbitrary project datum

TABLE THREE
Summary of Analytical Results for GROUNDWATER Samples
Yee Property
726 Harrison St., Oakland, CA
All results are in parts per billion (ppb)

Well ID & Dates Sampled	TPH-G	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE
MW-1						
7/3/97	18,000	2,700	350	450	900	7,400
12/5/98	18,000	1,500	270	260	560	14,000
3/4/99	44,000	2,800	400	440	960	43,000
6/17/99	33,000	2,200	250	460	660	25,000
8/27/99	6,000	1,000	97	190	230	14,000/ 16,000*
12/9/99	15,000	1,500	160	220	420	17,000
3/7/00	9,300	1,500	210	66	530	12,000
6/7/00	26,000**	1,700	< 250	360	580	30,000
10/11/00	13,000**	1,600	< 100	140	160	19,000
1/18/01	14,000**	450	< 100	110	230	9,600
4/5/01	38,000	2,200	180	290	590	35,000
7/17/01	35,000**	1,800	< 100	300	170	35,000
10/5/01	17,000	1,500	210	420	790	27,000
1/18/02	18,000	1,500	120	160	220	22,000
4/11/02	41,000	2,700	210	340	380	30,000
7/8/02	36,000	2,800	140	360	300	31,000
10/9/02	30,000	1,700	310	< 100	< 100	19,000
1/29/03	26,000	2,400	< 100	310	520	20,000
4/11/03	22,000	1,700	< 100	270	580	16,000
7/18/03	40,000	3,200	290	480	830	39,000
10/9/03	54,000**	3,300	< 130	350	310	49,000
1/28/04	26,000***	3,000	310	420	800	31,000
4/7/04	33,000***	2,800	130	310	310	39,000
7/23/04	56,000***	4,500	< 250	390	< 500	53,000
10/12/04	25,000***	1,400	< 250	< 250	< 500	25,000
1/29/05	24,000	1,600	< 100	160	< 200	19,000
4/28/05	< 10,000	2,000	< 100	160	100	34,000
7/19/05	37,000	2,100	83	210	230	28,000
10/18/05	37,000	1,300	< 250	< 250	< 250	23,000
MW-2						
12/5/98	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5
3/4/99		Inaccessible due to car parked over well				
6/17/99	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5
8/27/99		Inaccessible due to car parked over well				
12/9/99		Inaccessible due to car parked over well				
3/7/00		Inaccessible due to car parked over well				
6/7/00	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
10/11/00	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
1/18/01	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
4/5/01	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
7/17/01		No longer sampled				

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Well ID & Dates Sampled	TPH-G	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE
MW-3						
12/5/98	6,500***	< 50	50	60	50	3,900
3/4/99	2,800	< 25	< 25	< 25	< 25	1,600
6/17/99	1,000	< 10	< 10	< 10	< 10	1,400
8/27/99	230	< 0.5	0.51	0.5	1	1,500/ 1,600*
12/9/99	870**	< 0.5	< 0.5	< 0.5	< 0.5	2,100
3/7/00	150**	4	< 0.5	< 0.5	< 0.5	830
6/7/00	140**	< 0.5	< 0.5	< 0.5	< 0.5	1,100
10/11/00	620**	< 5.0	< 5.0	< 5.0	< 5.0	1,500
1/18/01	1,200**	< 5.0	< 5.0	< 5.0	< 5.0	1,000
4/5/01	1,700**	< 5.0	< 5.0	< 5.0	< 5.0	1,900
7/17/01	1,400**	< 10	< 10	< 10	< 10	1,700
10/5/01	< 1,000	< 10	< 10	< 10	< 10	1,700
1/18/02	1,600	26	20	16	54	2,100
4/11/02	2,600	21	16	< 10	21	2,300
7/8/02	2,800	< 10	< 10	< 10	< 10	3,800
10/9/02	6,000	< 50	< 50	< 50	< 50	4,900
1/29/03	1,800	< 10	< 10	< 10	< 10	2,300
4/11/03	2,900	< 25	< 25	< 25	< 25	3,100
7/18/03	3,400	< 10	< 10	< 10	< 10	3,200
10/9/03	2,300	< 10	< 10	< 10	< 10	2,700
1/28/03	1,700**	< 10	< 10	< 10	< 10	2,900
4/7/04	2,700**	< 10	< 10	< 10	< 20	3,600
7/23/04	4,200**	< 25	< 25	< 25	< 50	4,900
10/12/04	5,000**	< 50	< 50	< 50	< 100	5,900
1/29/05	< 1,000	< 10	< 10	< 10	< 20	3,100
4/28/05	< 200	< 2.0	< 2.0	< 2.0	< 2.0	1,300
7/19/05	4,400	< 20	< 20	< 20	< 40	3,000
10/18/05	18,000	< 50	< 50	< 50	< 50	6,800
MW-4						
12/5/98	880	3	< 0.5	< 0.5	< 0.5	950
3/4/99	3,800	< 25	< 25	< 25	< 25	3,700
6/17/99	2,700	< 25	< 25	< 25	< 25	2,700
8/27/99	440	4.7	1.1	0.58	1.3	1,600/ 1,700*
12/9/99	1,100**	< 2.5	< 2.5	< 2.5	< 2.5	1,700
3/7/00	< 250	< 2.5	< 2.5	< 2.5	< 2.5	1,700
6/7/00	530**	8.8	< 2.5	< 2.5	< 2.5	440
10/11/00	700**	3.9	< 2.5	< 2.5	< 2.5	680
1/18/01	2,000**	< 2.5	< 2.5	< 2.5	< 2.5	780
4/5/01	810**	< 2.5	< 2.5	< 2.5	< 2.5	620
7/17/01	880**	< 2.5	< 2.5	< 2.5	< 2.5	570
10/5/01	550**	< 2.5	< 2.5	< 2.5	< 2.5	710
1/18/02	960**	< 5.0	< 5.0	< 5.0	< 5.0	1,300
4/11/02	1,100**	< 5.0	< 5.0	< 5.0	< 5.0	550
7/8/02	1,200**	< 5.0	< 5.0	< 5.0	< 5.0	890
10/9/02	1,300**	< 5.0	< 5.0	< 5.0	< 5.0	880
1/29/03	530**	< 1.0	< 1.0	< 1.0	< 1.0	190
4/11/03	690**	< 2.5	< 2.5	< 2.5	< 2.5	310
7/18/03	1,600**	< 10	< 10	< 10	< 10	1,300
10/9/03	1500***	< 10	< 10	< 10	< 10	1,400
1/28/04	1,200**	< 10	< 10	< 10	< 10	1,900
4/7/04	1,900**	< 10	< 10	< 10	< 20	2,200
7/23/04	1,800**	< 10	< 10	< 10	< 20	1,600
10/12/04		Inaccessible due to car parked over well				
1/29/05	< 1,300	< 13	< 13	< 13	< 25	3,900
4/28/05	510	< 1.5	< 1.5	< 1.5	< 1.5	510
7/19/05	5,400	< 50	< 50	< 50	< 100	2,700
10/18/05	10,000	< 50	< 50	< 50	< 50	9,000

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726 Harrison St., Oakland, CA
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Well ID & Dates Sampled	TPH-G	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE
MW-5						
8/29/01	14,000	1,300	470	230	800	14,000
1/18/02	24,000	3,200	1,300	390	1,500	5,700
4/11/02	23,000	2,700	980	38	950	4,300
7/8/02	19,000	3,300	25	360	1,100	2,100
10/9/02	24,000	2,800	990	360	820	2,400
1/29/03	17,000	2,100	1,400	380	1,400	< 250
4/11/03	26,000	2,900	2,200	590	2,200	630
7/18/03	26,000	3,500	1,700	480	1,300	1,300
10/9/03	27,000	3,800	1,900	510	1,700	1,200
1/28/04	29,000	4,800	2,900	770	2,300	3,300
4/7/04	23,000	4,400	2,700	720	2,200	1,700
7/23/04	29,000	5,200	2,200	810	1,400	2,200
10/12/04	26,000	4,300	2,000	670	1,300	2,200
1/29/05	29,000	4,600	2,500	750	1,400	2,200
4/28/05	32,000	3,300	2,300	530	2,100	4,100
7/19/05	39,000	4,300	2,300	690	1,500	5,400
10/18/05	110,000	3,400	1,900	540	1,600	13,000
ESL	400	46	130	290	13	1,800

Notes:

* EPA Method 8020/EPA Method 8260 (MTBE confirmation)

** Hydrocarbon reported in the gasoline range does not match the laboratory gasoline standard

*** Sample contains a discrete peak in addition to gasoline

ESL = Environmental screening levels presented in the "Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater (July 2003)" document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region.

Most current data is in **Bold**

Non-detectable concentrations noted by the less than sign (<) followed by the laboratory method reporting limit.