



**CONESTOGA-ROVERS
& ASSOCIATES**

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Alameda County
Environmental Health

5900 Hollis Street, Suite A, Emeryville, California 94608
Telephone: 510-420-0700 Facsimile: 510-420-9170
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July 25, 2008

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

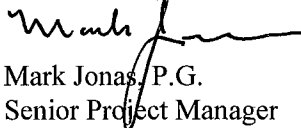
Re: **Second Quarter 2008 Monitoring Report**
Former ARCO Service Station
706 Harrison Street, Oakland, California
Fuel Leak Case No. RO0000484
CRA Project No. 231116

Dear Mr. Plunkett:

On behalf of Mr. Bo K. Gin, Conestoga-Rovers & Associates, Inc. (CRA) is submitting this *Second Quarter 2008 Monitoring Report* for the subject site. This report describes the Second Quarter 2008 activities and results, as well as anticipated Third Quarter 2008 activities.

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

Sincerely,
Conestoga-Rovers & Associates, Inc.



Mark Jonas, P.G.
Senior Project Manager

Attachments: *Second Quarter 2008 Monitoring Report*

cc: Mr. Bo K. Gin, 342 Lester Avenue, Oakland, California 94606
Mr. Dave Allen, Aqua Science Engineering, 55 Oak Court, Suite 220, Danville, California 94526
Mr. Bill Borgh, ConocoPhillips, 76 Broadway, Sacramento, California 95818

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**CONESTOGA-ROVERS
& ASSOCIATES**

SECOND QUARTER 2008 MONITORING REPORT

**Former ARCO Service Station
706 Harrison Street, Oakland, California
Fuel Leak Case No. RO0000484
CRA Project No. 231116**

July 25, 2008


Prepared for:

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

Prepared by:

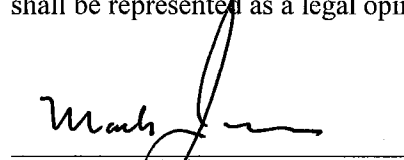
Conestoga-Rovers & Associates, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Written by:

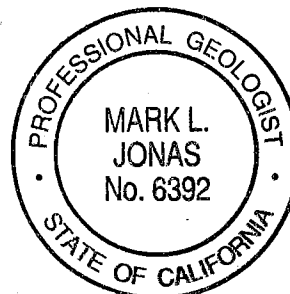


John A. Miller
Staff Geologist

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Mark Jonas, P.G.
Senior Project Manager





**CONESTOGA-ROVERS
& ASSOCIATES**

SECOND QUARTER 2008 MONITORING REPORT

**Former ARCO Service Station
706 Harrison Street, Oakland, California
Fuel Leak Case No. RO0000484
CRA Project No. 231116**

July 25, 2008

INTRODUCTION

On behalf of Mr. Bo K. Gin, Conestoga-Rovers & Associates, Inc. (CRA) is submitting this *Second Quarter 2008 Monitoring Report* for the subject site. Presented are the Second Quarter 2008 groundwater monitoring activities and results and the anticipated Third Quarter 2008 activities.

Figure 1 is a vicinity map. Figure 2 is a groundwater elevation contour and hydrocarbon concentration map. Table 1 lists well construction details. Table 2 provides recent and historic groundwater level measurements, elevations, and hydro-chemical 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 provides groundwater monitoring elevations and analytical data for the neighboring former Shell Station located at 726 Harrison Street, in Oakland, California.

SECOND QUARTER 2008 ACTIVITIES

Monitoring Activities

Field Activities: On April 18, 2008, Muskan Environmental Sampling (MES) conducted quarterly monitoring and sampling activities. MES measured well water levels in monitoring wells MW-1 through MW-7 and collected groundwater samples from monitoring wells MW-1, MW-2, MW-4 (Figure 2). Groundwater depth measurements have been submitted to the GeoTracker database.

Prior to groundwater sampling, groundwater levels were measured in all monitoring wells. MES purged at least three well-casing volumes of groundwater from monitor wells MW-1, MW-2, and MW-4 prior to sampling. Field measurements of pH, conductivity, 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, provided 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 within the laboratory analytical report in Appendix B.

Sample Analyses: Groundwater samples were analyzed by McCampbell Analytical, Inc. of Pittsburg, California, a California-certified laboratory (DHS License No. 1644). 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 all samples were analyzed for MTBE by EPA Method SW8260B. The laboratory analytical report is included in Appendix B. Groundwater analytical results are provided on Table 2 and summarized on Figure 2. Groundwater analytical results have been submitted to the GeoTracker database.

Monitoring Results

Groundwater Flow Direction and Gradient: Based on depth-to-water measurements collected during the monitoring event on April 18, 2008, groundwater appears to flow towards the southwest with an apparent gradient of 0.02 feet per foot (Figure 2). The gradient and flow direction are consistent with historical data. Depth-to-water and groundwater elevation data for the site are in Table 2.

Hydrocarbon Distribution in Groundwater: Hydrocarbons were detected in down-gradient wells MW-1 and well MW-2, and up-gradient well MW-4 during this sampling event (Figure 2, Table 2). The highest TPHg, benzene, toluene, ethylbenzene, and xylenes concentrations were detected in monitoring well MW-2 at 64,000 micrograms per liter ($\mu\text{g/L}$), 3,400 $\mu\text{g/L}$, 13,000 $\mu\text{g/L}$, 1,800 $\mu\text{g/L}$, and 8,100 $\mu\text{g/L}$. TPHg and BTEX concentrations were detected in well MW-1 at 1,500 $\mu\text{g/L}$, 320 $\mu\text{g/L}$, 4.5 $\mu\text{g/L}$, 13 $\mu\text{g/L}$, and 25 $\mu\text{g/L}$.

TPHg and BTEX concentrations in up-gradient well MW-4 are slightly higher than the previous quarter at 2,300 $\mu\text{g/L}$, 240 $\mu\text{g/L}$, 14 $\mu\text{g/L}$, 25 $\mu\text{g/L}$, and 27 $\mu\text{g/L}$. Analytical results are presented in Figure 2, Table 2, and Appendix B.

BTEX concentrations detected in the adjacent property wells, located up-gradient of the site are significantly higher than the BTEX concentrations detected on site. (see Figure 2 and Appendix D).

MTBE Distribution in Groundwater: MTBE was detected in monitoring wells, MW-1, MW-2, and MW-4. The highest on-site MTBE concentration was detected in well MW-4, at 6,400 $\mu\text{g/L}$. MTBE concentrations in wells MW-1 and MW-2 were 2,900 $\mu\text{g/L}$ and 2,200 $\mu\text{g/L}$.



Significantly higher concentrations of MTBE were identified in the wells located up-gradient, on the adjacent property. On the adjacent property, the highest MTBE concentrations were detected in monitoring wells MW-1 and MW-5, at 32,000 µg/L (Figure 2).

ANTICIPATED THIRD QUARTER 2008 ACTIVITIES

Monitoring Activities

During the Third Quarter of 2008, CRA will measure water levels and collect groundwater samples from wells MW-1 through MW-7. Pursuant to Alameda County Environmental Health'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. Groundwater samples will be analyzed for TPHg by EPA Method SW8015C, BTEX by EPA Method SW8021B, and MTBE by EPA Method SW8021B and by EPA Method SW8260B. CRA will prepare a groundwater monitoring report summarizing the monitoring activities and results.

Onsite Characterization & Commingled Plume Program

On October 5, 2007 an *Onsite Characterization Work Plan* was submitted to Alameda County Environmental Health (ACEH). Currently, upgradient sources at 726 Harrison (Mr. Peter Yee) and 800 Harrison (Unocal/ConocoPhillips) have joined with Mr. Bo Gin to attempt to agree on a commingled plume application. This process is on-going. Mr. Plunkett has asked that implementation of the Work Plan be put on-hold pending resolution issues associated with the commingled plume.

ATTACHMENTS:

Figure 1 – Vicinity Map

Figure 2 – Groundwater Elevation Contour and Hydrocarbon Concentration Map

Table 1 – Well Construction Details

Table 2 – Groundwater Elevation and Analytical Data

Appendix A – Groundwater Monitoring Field Data Sheets

Appendix B – Laboratory Analytical Report

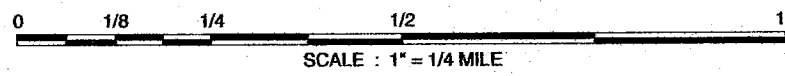
Appendix C – Benzene and MTBE Concentration Graphs

Appendix D – Former Shell Station Groundwater Monitoring and Analytical Results



H:\BO-GINI\FIGURES\VICINITY-MAP.A1

FIGURE
1



Former ARCO Station
 706 Harrison Street
 Oakland, California



Vicinity Map

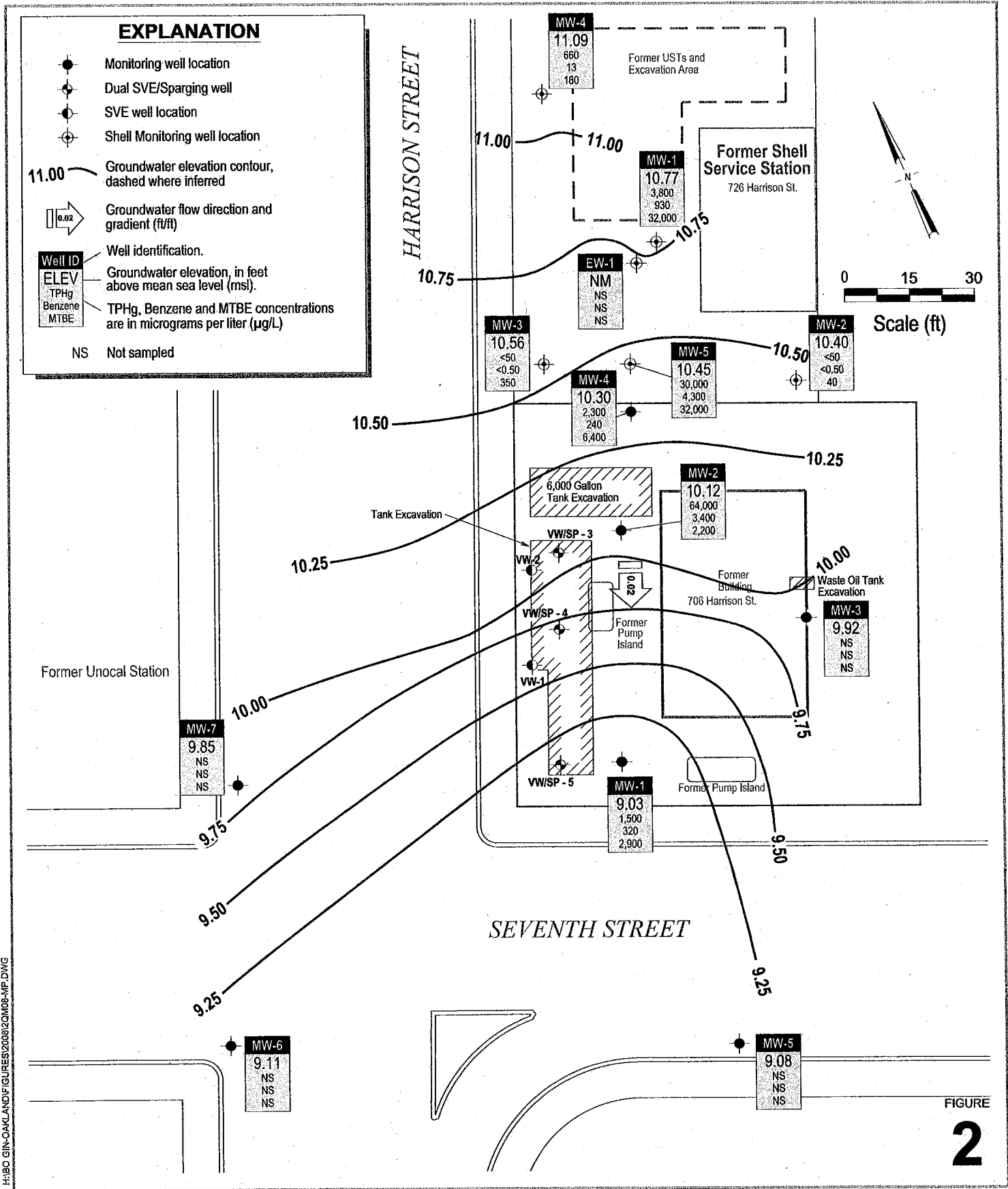


FIGURE
2

Former ARCO Station
706 Harrison Street
Oakland, California



**CONESTOGA-ROVERS
& ASSOCIATES**

**Groundwater Elevation Contour
and Hydrocarbon
Concentration Map**

April 18, 2008

H:\BO-GIN-OAKLAND\FIGURES\2008\20M08-MP.DWG

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Table 1. Well Construction Details - Former ARCO Station, 706 Harrison Street, Oakland, California

Well ID	Date Installed	Borehole Depth (ft)	Borehole Diameter (in)	Casing Diameter (in)	Screen Interval (ft bgs)	Screen Size (in)	Filter Pack (ft bgs)	Bentonite Seal (ft bgs)	Cement Seal (ft bgs)	TOC Elevation (ft msl)
MW-1	July 22, 1993	28.0	8	2	18 - 28	0.020	16 - 28	15 - 16	0 - 15	26.17
MW-2	July 23, 1993	28.0	8	2	18 - 28	0.020	16 - 28	15 - 16	0 - 15	27.53
MW-3	July 22, 1993	28.0	8	2	18 - 28	0.020	16 - 28	15 - 16	0 - 15	26.79
MW-4	Nov. 28, 1994	31.5	NA	2	9.5 - 29.5	0.010	8.5 - 31.5	6.5 - 8.5	0 - 6.5	28.20
MW-5	Nov. 30, 1994	30.0	NA	2	14.5 - 29.0	0.010	13 - 30	11 - 13	0 - 11	25.07
MW-6	Dec. 1, 1994	27.5	NA	2	11.5 - 26.5	0.010	10.5 - 27.5	8.5 - 10.5	0 - 8.5	26.13
MW-7	Dec. 2, 1994	29.0	NA	2	13 - 28	0.010	12 - 29	10 - 12	0 - 10	26.70
VW-1	July 23, 1993	20.0	8	2	15 - 20	0.020	13 - 20	12 - 13	0 - 12	NA
VW-2	July 22, 1993	20.0	8	2	15 - 20	0.020	13 - 20	12 - 13	0 - 12	NA
VW-3 (Dual)	Nov. 28, 1994	29.5	NA	2" / 1"	2": 8 - 18 1": 27 - 28	0.010	2": 6 - 18 1": 25.5 - 29.5	5 - 6 23.5 - 25.5	0 - 5	NA
VW-4 (Dual)	Nov. 29, 1994	29.5	NA	2" / 1"	2": 8 - 18 1": 28.5 - 29.5	0.010	2": 7 - 18 1": 26.5 - 29.5	5 - 7 18 - 26.5	0 - 5	NA
VW-5 (Dual)	Nov. 30, 1994	30.0	NA	2" / 1"	2": 7 - 17 1": 28.5 - 29.5	0.010	2": 6 - 17 1": 26 - 30	5 - 6 17 - 26	0 - 5	NA

Abbreviations / Notes

ft = feet

in = inches

ft bgs = feet below grade surface

ft msl = feet above mean sea level

TOC = top of casing

NA = Not Available

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Table 2. Groundwater Elevation and Analytical Data - Former ARCO Station - 706 Harrison Street, Oakland, California

Well ID/ Sample ID TOC	Date Sampled	TOC Depth to Water (ft)	Groundwater Elevation (ft-msl)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE by 8021B (ug/L)	MTBE by 8260B (ug/L)	Notes
MW-1 29.15	8/13/1993	17.40	11.75	20,000	8,500	640	280	440	-	-	
	12/14/1993	17.27	11.88	17,000	9,200	1,200	4,400	540	-	-	
	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	-	-	a
	10/18/2005	15.15	11.02	1,700	340	ND<5.0	28	ND<5.0	8,000	7,200	a
	1/23/2006	13.27	12.90	3,100	790	6.5	79	32	4,200	5,100	a

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Table 2. Groundwater Elevation and Analytical Data - Former ARCO Station - 706 Harrison Street, Oakland, California

Well ID/ Sample ID TOC	Date Sampled	TOC Depth to Water (ft)	Groundwater Elevation (ft-msl)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE by 8021B (ug/L)	MTBE by 8260B (ug/L)	Notes
MW-1 (cont.)	4/12/2006	12.33	13.84	7,200	2,600	110	350	320	5,600	4,000	a
	7/10/2006	14.93	11.24	2,700	550	4.2	77	47	5,500	8,300	a
	10/16/2006	16.51	9.66	2,000	470	6.4	38	13	6,300	6,400	a
	1/26/2007	16.87	9.30	3,300	600	36	34	27	6,200	5,900	a
	4/18/2007	16.77	9.40	5,400	1,400	170	210	350	3,600	4,700	a,i
	8/2/2007	17.21	8.96	6,100	1,200	130	140	240	5,300	5,400	a
	10/23/2007	17.67	8.50	2,600	740	53	60	110	5,800	6,900	a,h,Sheen ^{Lab}
	1/30/2008	16.66	9.51	1,900	380	2.6	15	20	2,400	2,800	a
	4/18/2008	17.14	9.03	1,500	320	4.5	13	25	2,900	2,900	a
MW-2 30.51	8/13/1993	17.05	13.46	34,000	6,800	10,000	740	3,900	-	-	
	12/14/1993	18.28	12.23	16,000	3,200	4,200	500	1,700	-	-	
	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,h,Sheen ^{Lab}
	2/4/1999	18.39	12.12	66,000	5,800	16,000	2,600	12,000	3,000	-	b,h,Sheen ^{Lab}
	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,h,Sheen ^{Lab}
	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,h,Sheen ^{Lab}
	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,h,Sheen ^{Lab}	
4/16/2001	18.59	11.92	97,000	7,400	15,000	2,500	12,000	ND<3,000	ND<50	b,h,Sheen ^{Lab}	
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,h,Sheen ^{Lab}	
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	

Conestoga-Rovers & Associates

Table 2. Groundwater Elevation and Analytical Data - Former ARCO Station - 706 Harrison Street, Oakland, California

Well ID/ Sample ID TOC	Date Sampled	TOC Depth to Water (ft)	Groundwater Elevation (ft-msl)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE by 8021B (ug/L)	MTBE by 8260B (ug/L)	Notes
MW-2	7/18/2003	16.84	10.69	57,000	2,100	8,700	2,200	10,000	-	ND<50	a
(cont.)	10/9/2003	16.05	11.48	49,000	1,800	7,000	1,700	7,600	ND<1,500	26	a
27.53	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,Sheen ^{Field & Lab}
	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,Sheen ^{Lab}
	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
	1/23/2006	14.20	13.33	54,000	1,600	8,000	1,600	6,700	6,600	7,000	a
	4/12/2006	12.51	15.02	43,000	1,800	7,800	1,300	5,200	6,400	4,900	a
	7/10/2006	14.76	12.77	86,000	2,800	11,000	2,100	9,600	ND<6,500	400	a,h,Sheen ^{Lab}
	10/16/2006	16.74	10.79	110,000	3,600	16,000	2,400	12,000	ND<6,000	2,700	a,h,Sheen ^{Lab}
	1/26/2007	17.10	10.43	120,000	3,900	16,000	2,300	10,000	ND<5,000	3,000	a,h,i,Sheen ^{Lab}
	4/18/2007	17.02	10.51	100,000	3,500	18,000	2,500	12,000	5,200	3,400	a,h,i,Sheen ^{Lab}
	8/2/2007	17.47	10.06	61,000	2,700	11,000	1,800	7,600	6,400	4,600	a,h,Sheen ^{Lab}
	10/23/2007	17.94	9.59	56,000	3,100	13,000	1,800	8,100	4,500	4,300	a
	1/30/2008	16.99	10.54	52,000	2,700	11,000	1,700	7,300	5,300	4,700	a
	4/18/2008	17.41	10.12	64,000	3,400	13,000	1,800	8,100	ND<4,000	2,200	a,h,i,Sheen^{Lab}
MW-3	8/13/1993	17.05	12.72	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.5	-	-	No SVOCs.
29.77	12/14/1993	17.70	12.07	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.5	-	-	
	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	-	

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Well ID/ Sample ID TOC	Date Sampled	TOC Depth to Water (ft)	Groundwater Elevation (ft-msl)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE by 8021B (ug/L)	MTBE by 8260B (ug/L)	Notes
MW-4	11/24/1998	17.18	14.00	3,000	810	44	76	94	4,800	-	b
(cont.)	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
	1/23/2006	14.66	13.54	1,300	170	13	14	14	2,500	3,300	a
	4/12/2006	12.92	15.28	940	150	12	7.6	12	3,400	3,300	a
	7/10/2006	15.38	12.82	1,700	260	14	26	20	4,300	5,900	a
	10/16/2006	17.21	10.99	3,200	440	26	34	63	7,800	7,500	a
	1/26/2007	17.58	10.62	2,000	290	20	28	42	8,300	8,300	a
	4/18/2007	17.46	10.74	2,300	350	28	38	42	5,900	7,800	a, i
	8/2/2007	17.95	10.25	3,600	480	33	47	72	7,500	9,000	a
	10/23/2007	18.41	9.79	1,700	280	13	27	25	7,000	8,800	a
	1/30/2008	17.49	10.71	1,300	130	4.9	13	12	6,500	8,200	a
	4/18/2008	17.90	10.30	2,300	240	14	25	27	6,900	6,400	a
	12/16/1994	16.07	11.97	ND<50	1.1	ND<0.5	ND<0.5	2.4	-	-	

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MW-5 28.04	12/29/1994	16.10	11.94	-	-	-	-	-	-	-	
	7/19/1996	15.49	12.55	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-	-	
	1/27/1997	13.60	14.44	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	6/18/1997	15.55	12.49	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	9/18/1997	16.16	11.88	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	12/10/1997	15.41	12.63	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	2/18/1998	10.93	17.11	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/12/1998	13.25	14.79	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	8/18/1998	14.75	13.29	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/24/1998	15.15	12.89	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	2/4/1999	14.61	13.43	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/18/1999	14.15	13.89	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	8/27/1999	15.43	12.61	ND<0.5	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<0.5	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<0.5	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<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	25.07	4/16/2001	16.24	11.80	-	-	-	-	-	-	-
8/14/2001		17.39	10.65	ND<0.5	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<0.5	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<0.5	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<0.5	20	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
4/29/2003		12.05	15.99	-	-	-	-	-	-	-	
7/18/2003		14.28	10.79	ND<0.5	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<0.5	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<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	i
10/12/2004		15.88	9.19	-	-	-	-	-	-	-	
2/14/2005		13.22	11.85	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	i
4/27/2005		13.40	11.67	-	-	-	-	-	-	-	
7/19/2005		14.21	10.86	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	i
10/18/2005		14.79	10.28	-	-	-	-	-	-	-	
1/23/2006		13.12	11.95	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	i
4/12/2006	11.39	13.68	-	-	-	-	-	-	-		
7/10/2006	14.40	10.67	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	25	-	i	
10/16/2006	15.44	9.63	-	-	-	-	-	-	-		

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MW-5 (cont.)	1/26/2007	15.76	9.31	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	490	-	
	4/18/2007	15.61	9.46	-	-	-	-	-	-	-	
	8/2/2007	16.04	9.03	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	660	760	
	10/23/2007	16.89	8.18	-	-	-	-	-	-	-	
	1/30/2008	15.61	9.46	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	250	280	
	4/18/2008	15.99	9.08	-	-	-	-	-	-	-	
MW-6 29.10	12/16/1994	17.74	11.36	-	-	-	-	-	-	-	
	12/29/1994	17.40	11.70	-	-	-	-	-	-	-	
	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	-	-	-	-	-	-	-	

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MW-6 (cont.)	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
	1/23/2006	14.02	12.11	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	0.50	i
	4/12/2006	12.66	13.47	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	7/10/2006	14.64	11.49	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	10/16/2006	16.50	9.63	-	-	-	-	-	-	-	
	1/26/2007	16.83	9.30	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	4/18/2007	16.72	9.41	-	-	-	-	-	-	-	
	8/2/2007	17.13	9.00	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	10/23/2007	17.71	8.42	-	-	-	-	-	-	-	
	1/30/2008	16.54	9.59	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	4/18/2008	17.02	9.11	-	-	-	-	-	-	-	
	MW-7 29.67	12/16/1994	17.07	12.60	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-
12/29/1994		17.65	12.02	-	-	-	-	-	-	-	
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	-	-	-	-	-	-	-		

Conestoga-Rovers & Associates

Table 2. Groundwater Elevation and Analytical Data - Former ARCO Station - 706 Harrison Street, Oakland, California

Well ID/ Sample ID TOC	Date Sampled	TOC Depth to Water (ft)	Groundwater Elevation (ft-msl)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE by 8021B (ug/L)	MTBE by 8260B (ug/L)	Notes
MW-7	1/23/2003	15.70	13.97	ND<50	23	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
(cont.)	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	
	1/23/2006	13.99	12.71	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	2.2	
	4/12/2006	12.32	14.38	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	2.0	
	7/10/2006	14.31	12.39	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	1.5	
	10/16/2006	16.23	10.47	-	-	-	-	-	-	-	
	1/26/2007	16.61	10.09	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	4/18/2007	16.54	10.16	-	-	-	-	-	-	-	
	8/2/2007	16.93	9.77	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	2.2	
	10/23/2007	17.36	9.34	-	-	-	-	-	-	-	
	1/30/2008	16.36	10.34	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	4/18/2008	16.85	9.85	-	-	-	-	-	-	-	
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	-	

Conestoga-Rovers & Associates

Table 2. Groundwater Elevation and Analytical Data - Former ARCO Station - 706 Harrison Street, Oakland, California

Well ID/ Sample ID TOC	Date Sampled	TOC Depth to Water (ft)	Groundwater Elevation (ft-msl)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE by 8021B (ug/L)	MTBE by 8260B (ug/L)	Notes
<p>Abbreviations and Analyses: ug/L = Micrograms per liter ND<0.5 = Not Detected (ND) above laboratory detection limit. - = Not sampled; not analyzed; not applicable; or no SPH measured or observed. TOC = Top of casing elevation, measured in feet, relative to mean sea level ft = Measured in feet ft-msl = Elevation in feet 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. SVOCs = Semi-Volatile Organic Compounds (EPA Method 8270) Wells were re-surveyed on October 27, 2003 to City of Oakland Benchmark 25A. TOC Depth to Water = Groundwater depth measured in feet below TOC. Sheen = A sheen was observed on the water's surface. Field = Observed in the field Lab = Observed in analytical laboratory</p>											
<p>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" 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" l = "reporting limit raised due to high MTBE content" m = "no recognizable pattern"</p>											



**CONESTOGA-ROVERS
& ASSOCIATES**

APPENDIX A

Groundwater Monitoring Field Data Sheets



WELL GAUGING SHEET

Client: Conestoga-Rovers and Associates

Site

Address: 706 Harrison Street, Oakland, CA

Date: 4/18/2008

Signature: 

Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-1	8:35		17.14		24.75	
MW-2	8:40		17.41		25.79	
MW-3	8:25		16.87		27.75	
MW-4	8:30		17.90		25.60	
MW-5	8:15		15.99		27.84	
MW-6	8:00		17.02		25.90	
MW-7	8:05		16.85		27.75	



**CONESTOGA-ROVERS
& ASSOCIATES**

APPENDIX B

Laboratory Analytical Report

**McC Campbell Analytical, Inc.**

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mcccampbell.com E-mail: main@mcccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #231116; BoGin	Date Sampled: 04/18/08
		Date Received: 04/18/08
	Client Contact: Mark Jonas	Date Reported: 04/22/08
	Client P.O.:	Date Completed: 04/21/08

WorkOrder: 0804456

April 22, 2008

Dear Mark:

Enclosed within are:

- 1) The results of the 3 analyzed samples from your project: #231116; BoGin,
- 2) A QC report for the above samples,
- 3) A copy of the chain of custody, and
- 4) An invoice 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 or concerns, please feel free to give me a call. Thank you for choosing

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McC Campbell Analytical, Inc.



McC Campbell Analytical, Inc.

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Sample Receipt Checklist

Client Name: **Conestoga-Rovers & Associates**

Date and Time Received: **04/18/08 11:46:21 AM**

Project Name: **#231116; BoGin**

Checklist completed and reviewed by: **Maria Venegas**

WorkOrder N°: **0804456** Matrix Water

Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature	Cooler Temp: 3.4°C		NA <input type="checkbox"/>
Water - VOA vials have zero headspace / no bubbles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
TTLIC Metal - pH acceptable upon receipt (pH<2)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Client contacted:

Date contacted:

Contacted by:

Comments:



QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder 0804456

EPA Method SW8021B/8015Cm		Extraction SW5030B			BatchID: 35070			Spiked Sample ID: 0804413-014A				
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	RPD	LCS/LCSD	RPD
TPH(btex) ^f	ND	60	112	110	1.20	110	107	2.93	70 - 130	20	70 - 130	20
MTBE	ND	10	97.2	103	6.01	99.1	96.9	2.28	70 - 130	20	70 - 130	20
Benzene	ND	10	95.4	98	2.77	95.8	96.4	0.615	70 - 130	20	70 - 130	20
Toluene	ND	10	107	111	3.56	108	108	0	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	106	109	2.30	106	107	0.608	70 - 130	20	70 - 130	20
Xylenes	ND	30	116	119	2.63	117	117	0	70 - 130	20	70 - 130	20
%SS:	109	10	94	95	1.24	94	95	1.15	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 35070 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0804456-001A	04/18/08 9:05 AM	04/18/08	04/18/08 7:57 PM	0804456-001A	04/18/08 9:05 AM	04/21/08	04/21/08 4:56 PM
0804456-002A	04/18/08 9:55 AM	04/18/08	04/18/08 7:27 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.

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

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

NR = matrix interference and/or 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, or inconsistency in sample containers.



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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder 0804456

EPA Method SW8021B/8015Cm		Extraction SW5030B			BatchID: 35086			Spiked Sample ID: 0804450-001A				
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	RPD	LCS/LCSD	RPD
TPH(btex) ^f	ND	60	92.4	88.4	4.46	91.2	94.3	3.39	70 - 130	20	70 - 130	20
MTBE	ND	10	91.9	104	12.0	86.9	86.6	0.316	70 - 130	30	70 - 130	20
Benzene	ND	10	99.2	110	10.3	101	101	0	70 - 130	20	70 - 130	20
Toluene	ND	10	98	109	10.0	99	99.5	0.482	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	98.5	98.6	0.0249	98.9	100	1.19	70 - 130	20	70 - 130	20
Xylenes	ND	30	92.6	93.2	0.632	92.4	93.5	1.24	70 - 130	20	70 - 130	20
%SS:	106	10	107	119	11.3	110	108	1.27	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 35086 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0804456-003A	04/18/08 9:30 AM	04/18/08	04/18/08 6:57 PM	0804456-003A	04/18/08 9:30 AM	04/21/08	04/21/08 4:26 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.

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

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

NR = matrix interference and/or 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, or inconsistency in sample containers.



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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0804456

EPA Method SW8260B		Extraction SW5030B			BatchID: 35087			Spiked Sample ID: 0804452-003C				
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	RPD	LCS/LCSD	RPD
Methyl-t-butyl ether (MTBE)	ND	10	107	105	1.57	118	121	3.03	70 - 130	30	70 - 130	30
%SS1:	122	10	91	93	2.24	97	97	0	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 35087 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0804456-001B	04/18/08 9:05 AM	04/19/08	04/19/08 3:13 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.



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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0804456

EPA Method SW8260B		Extraction SW5030B			BatchID: 35095			Spiked Sample ID: 0804458-003A				
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	RPD	LCS/LCSD	RPD
Methyl-t-butyl ether (MTBE)	ND	10	97.1	99.1	2.04	100	100	0	70 - 130	30	70 - 130	30
%SS1:	120	10	96	96	0	96	98	2.08	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 35095 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0804456-002B	04/18/08 9:55 AM	04/19/08	04/19/08 3:56 PM	0804456-003B	04/18/08 9:30 AM	04/19/08	04/19/08 4:54 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.

McC Campbell Analytical, Inc.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0804456

ClientCode: CETE

WriteOn EDF Excel Fax Email HardCopy ThirdParty J-flag

Report to:

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Conestoga-Rovers & Associates
5900 Hollis St, Suite A
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TEL: (510) 420-0700 FAX: (510) 420-9170
PO:
ProjectNo: #231116; BoGin

Bill to:

Accounts Payable
Conestoga-Rovers & Associates
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 5 days

Date Received: 04/18/2008

Date Printed: 04/18/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
0804456-001	MW-1	Water	4/18/2008 9:05	<input type="checkbox"/>	A	B	A										
0804456-002	MW-2	Water	4/18/2008 9:55	<input type="checkbox"/>	A	B											
0804456-003	MW-4	Water	4/18/2008 9:30	<input type="checkbox"/>	A	B											

Test Legend:

1	G-MBTEX W	2	MTBE W	3	PREF REPORT	4		5	
6		7		8		9		10	
11		12							

Prepared by: Maria Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.



**CONESTOGA-ROVERS
& ASSOCIATES**

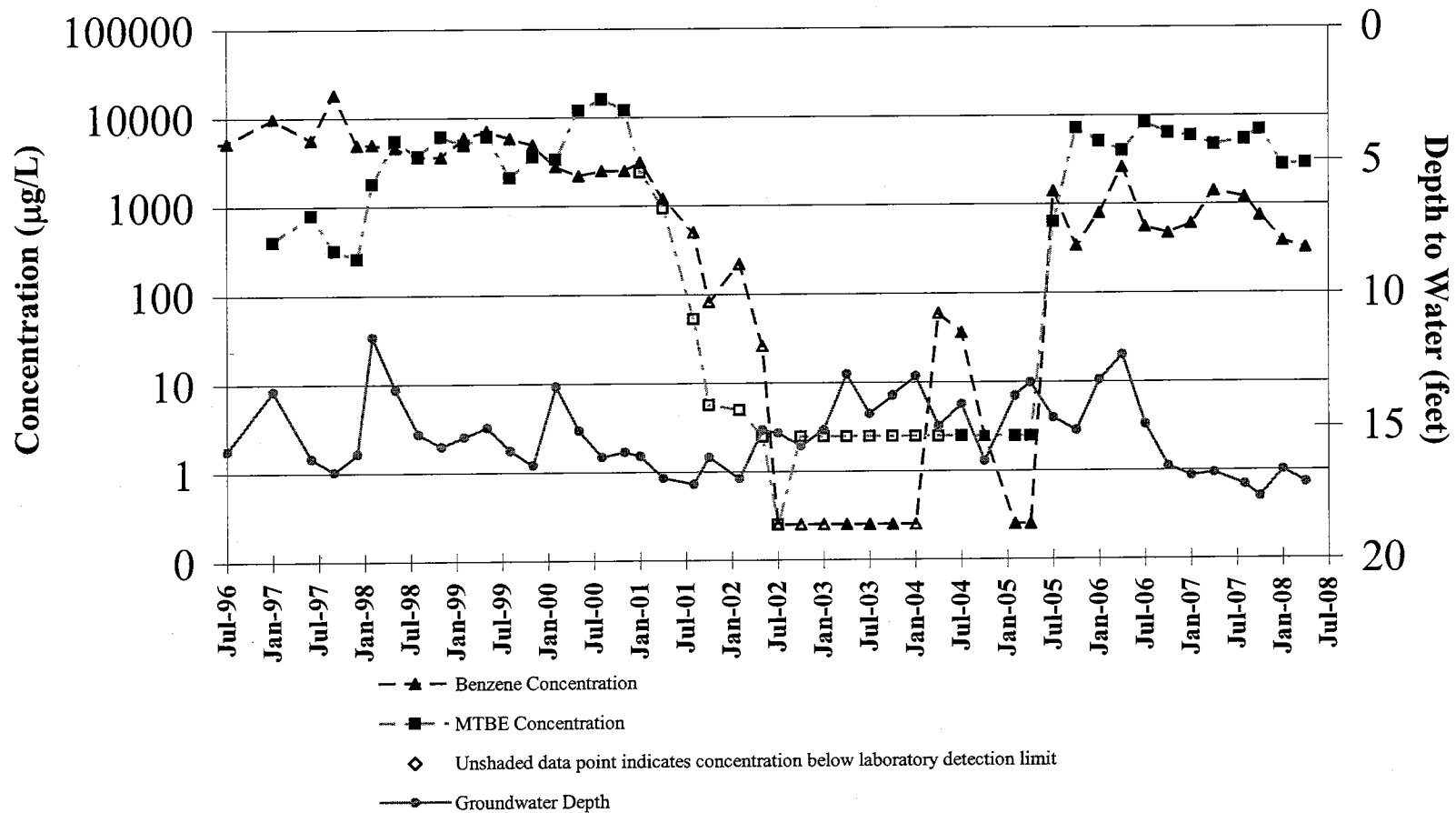
APPENDIX C

Benzene and MTBE Concentration Graphs

Monitoring Well MW-1

Benzene and MTBE Concentration Trends

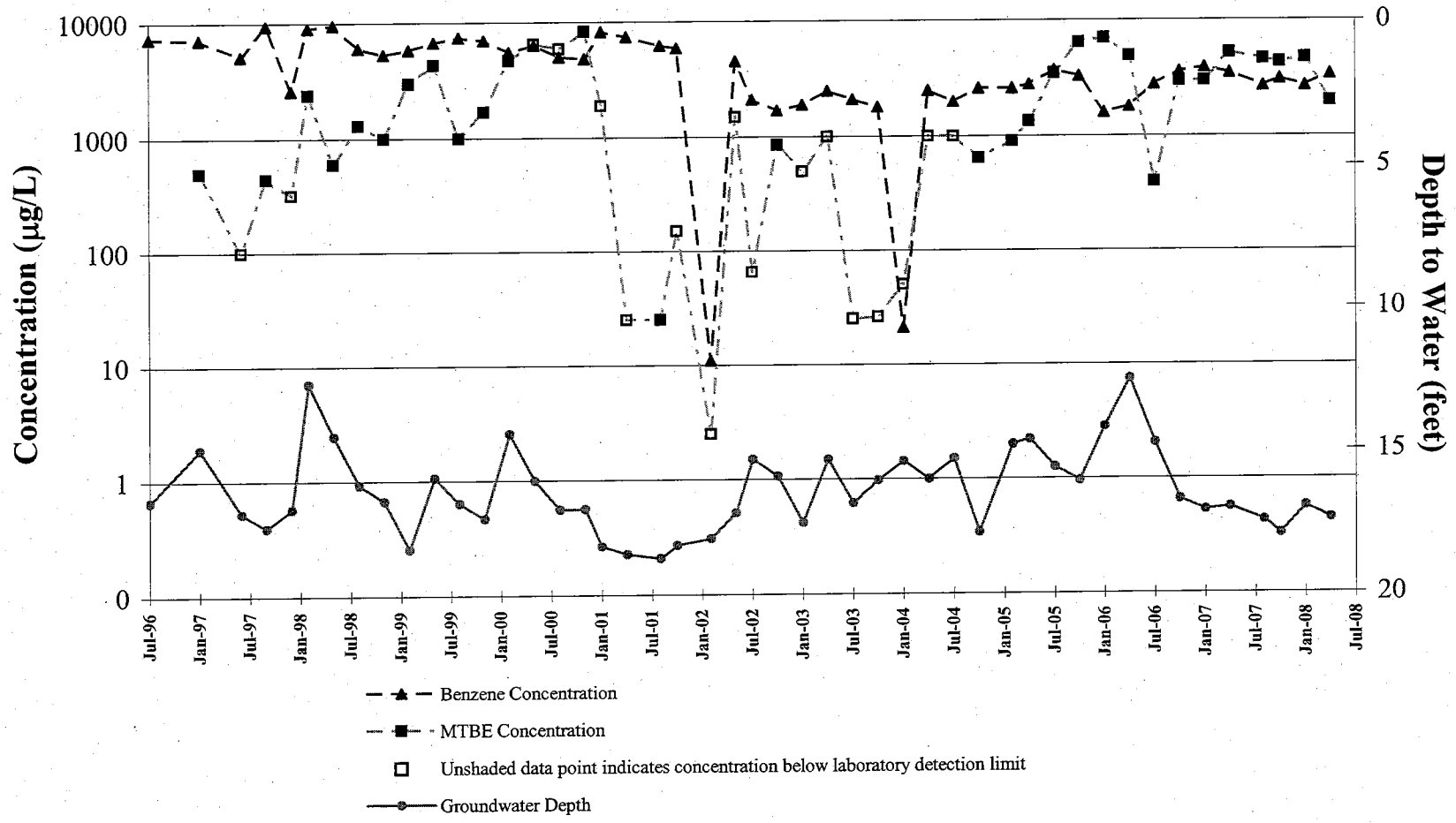
Former ARCO Service Station, 706 Harrison Street, Oakland, CA



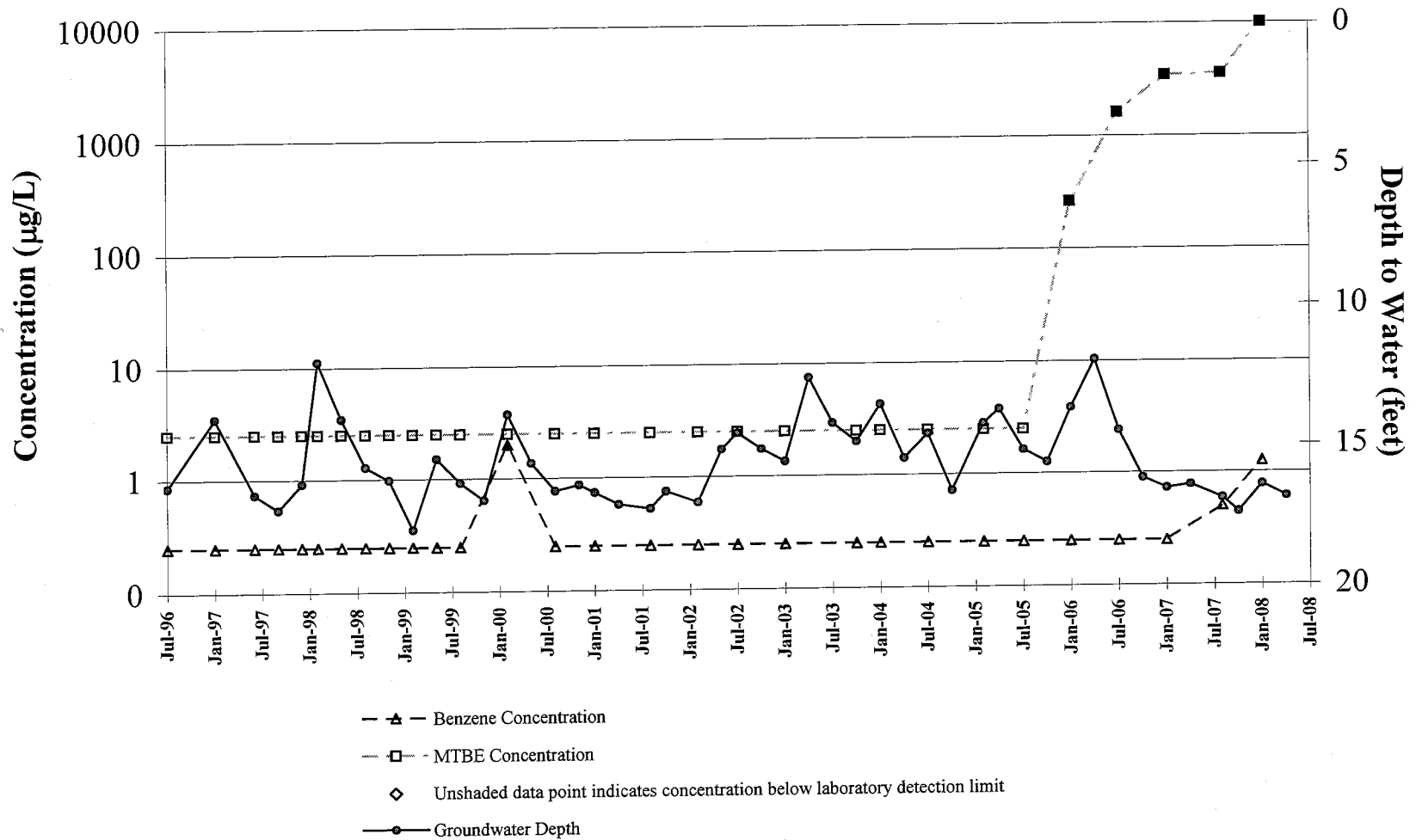
Monitoring Well MW-2

Benzene and MTBE Concentration Trends

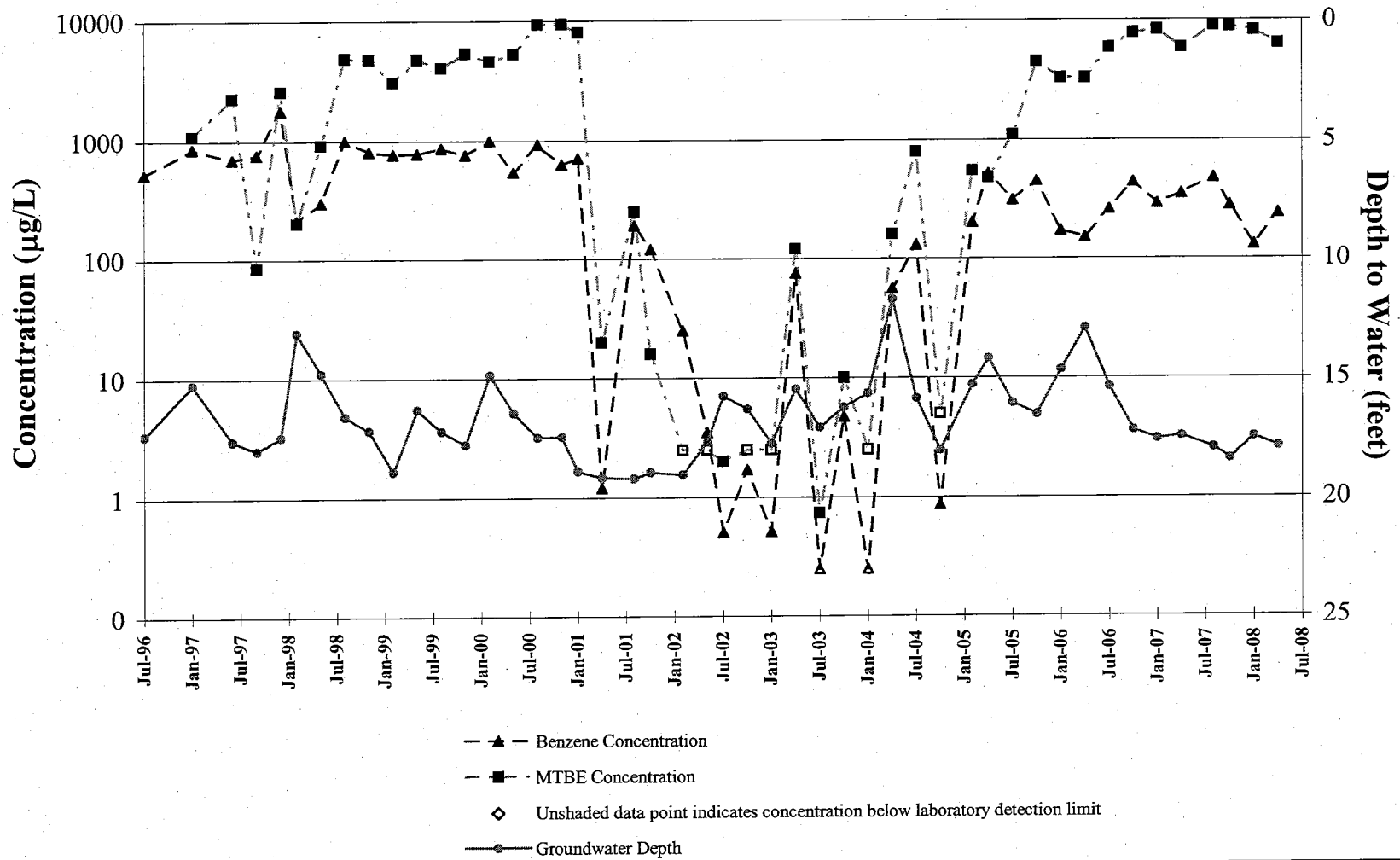
Former ARCO Service Station, 706 Harrison Street, Oakland, CA



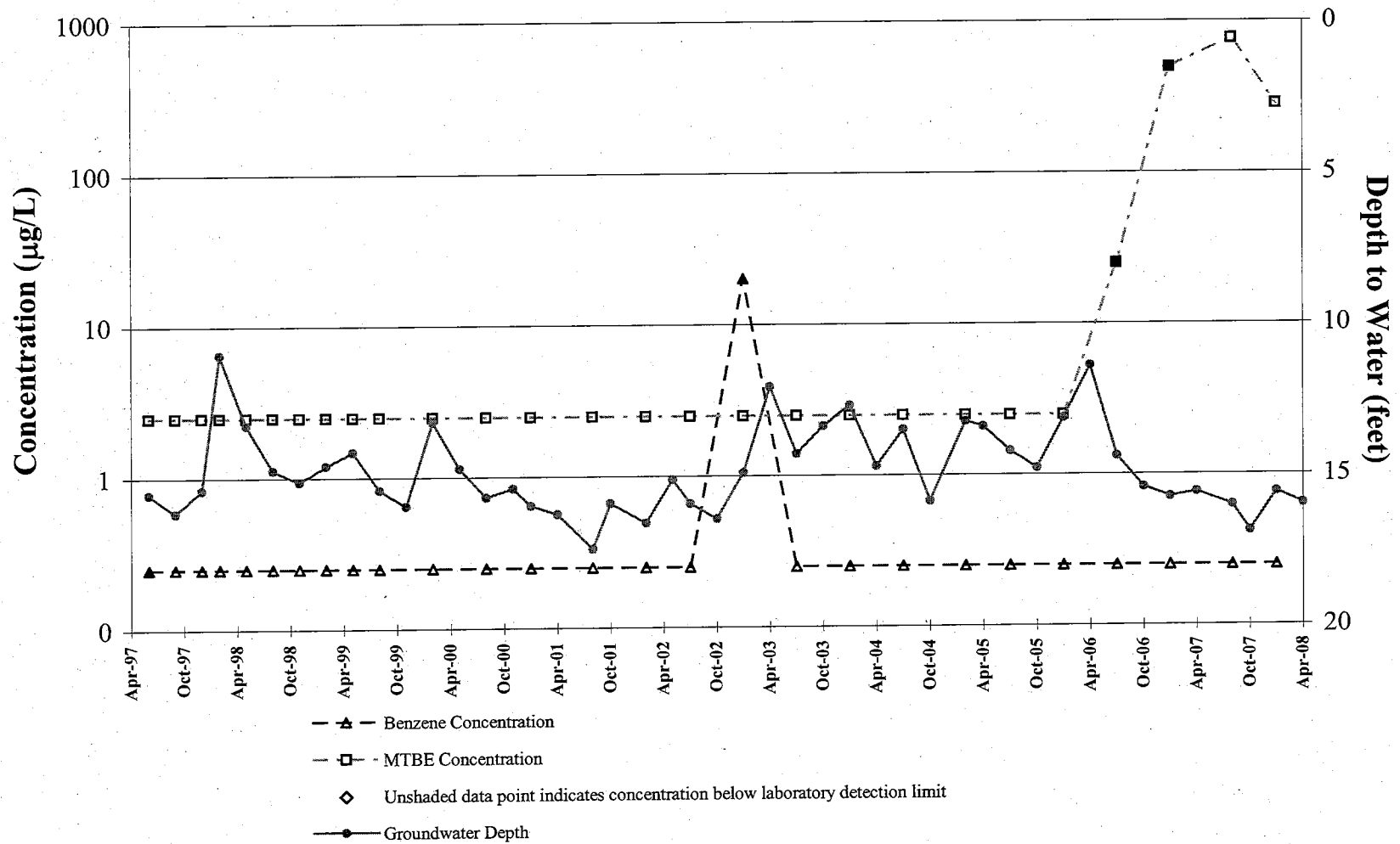
**Monitoring Well MW-3
Benzene and MTBE Concentration Trends
Former ARCO Service Station, 706 Harrison Street, Oakland, CA**



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



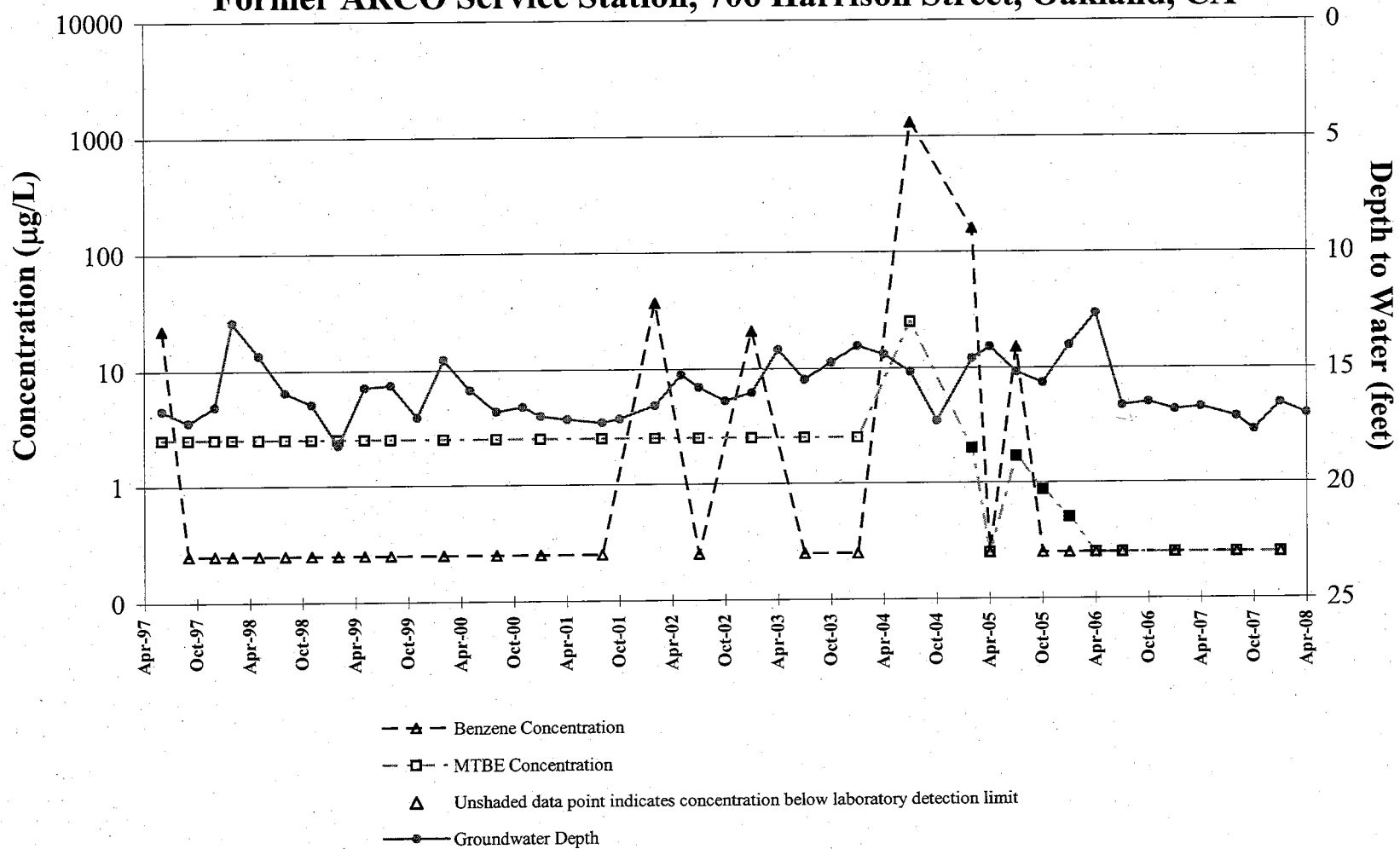
Monitoring Well MW-5 Benzene and MTBE Concentration Trends Former ARCO Service Station, 706 Harrison Street, Oakland, CA



Monitoring Well MW-6

Benzene and MTBE Concentration Trends

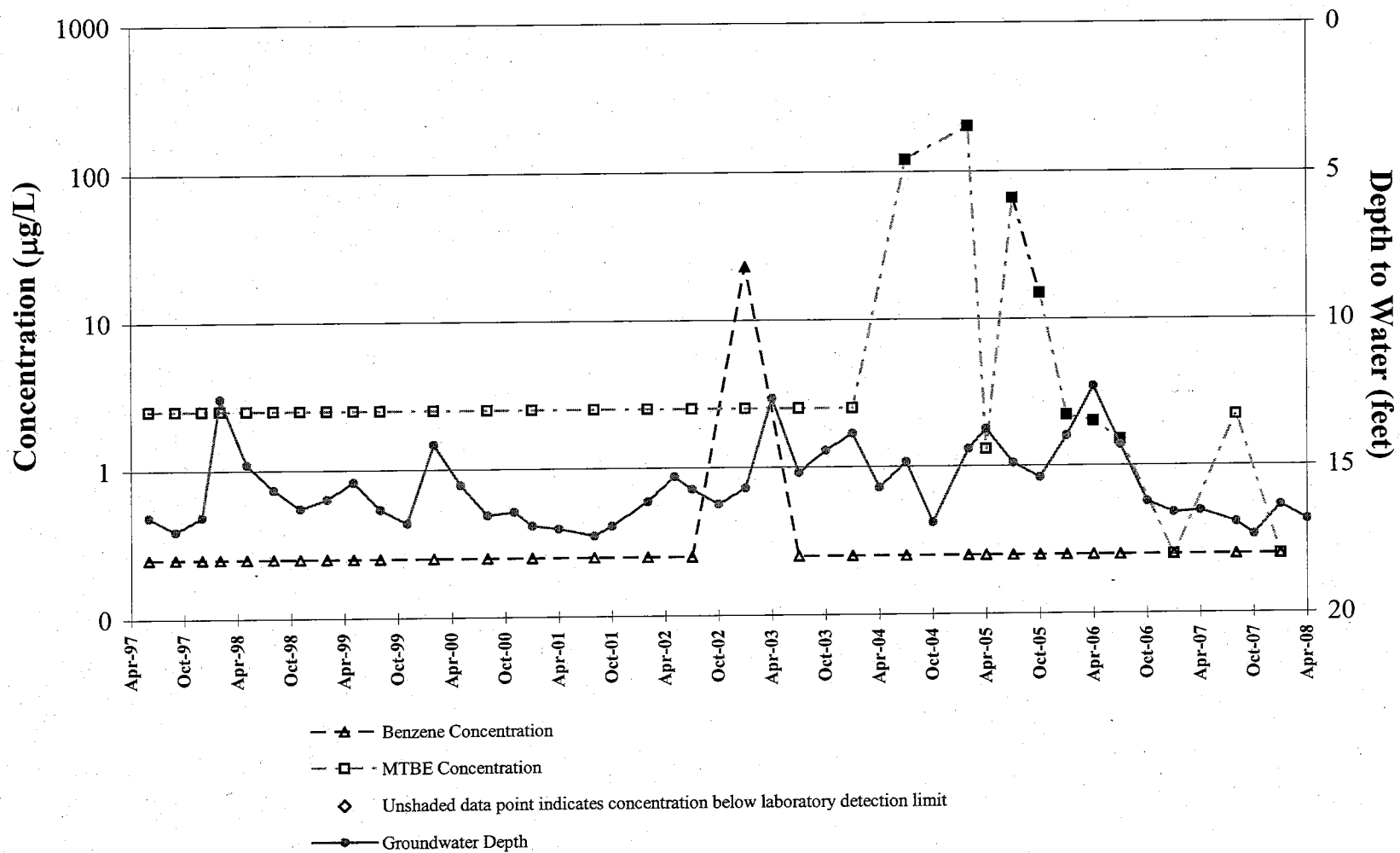
Former ARCO Service Station, 706 Harrison Street, Oakland, CA



Monitoring Well MW-7

Benzene and MTBE Concentration Trends

Former ARCO Service Station, 706 Harrison Street, Oakland, CA





**CONESTOGA-ROVERS
& ASSOCIATES**

APPENDIX D

Former Shell Station Groundwater Monitoring and Analytical Results

TABLE ONE
 Groundwater Elevation Data
 Yes 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
	4/23/05		14.99	13.99
	7/19/05		16.36	12.62
	10/18/05		17.82	11.16
	1/23/06		15.80	13.18
	4/12/06		13.24	15.74
	7/10/06		15.64	13.34
	10/16/06		17.51	11.47
1/26/07		18.36	10.62	
4/18/07		17.79	11.19	
8/2/07		18.20	10.78	
10/23/07		18.75	10.23	
1/30/08		17.90	11.08	
4/18/08		18.21	10.77	

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-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		Inaccessible		
	3/7/00		Inaccessible		
	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	
	1/23/05		15.65	13.79	
	4/12/06		12.33	17.11	
	7/10/06		16.58	12.86	
	10/16/06		18.33	11.11	
	1/26/07		19.21	10.23	
4/18/07		18.58	10.86		
8/2/07		19.02	10.42		
10/23/07		Inaccessible			
1/30/08		18.63	10.81		
4/18/08		19.04	10.40		

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
	7/18/02		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	
	1/23/06	15.81	12.83	
	4/12/06	13.22	15.42	
	7/10/06	15.49	13.15	
	10/16/06	17.46	11.18	
	1/26/07	18.02	10.62	
4/18/07	17.75	10.89		
8/2/07	18.38	10.26		
10/23/07	19.61	9.03		
1/30/08	17.65	10.99		
4/18/08	18.08	10.56		

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-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
	1/23/06			15.09	14.49
	4/12/06			13.49	16.09
	7/10/06			14.99	14.59
	10/16/06			17.29	12.29
	1/26/07			18.17	11.41
4/18/07			18.06	11.52	
8/2/07			18.45	11.13	
10/23/07			18.99	10.59	
1/30/08			18.14	11.44	
4/18/08			18.49	11.09	

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
	10/19/03		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
	1/23/06		15.28	13.78
	4/12/06		13.66	15.40
	7/10/06		16.14	12.92
	10/16/06		19.33	9.73
	1/26/07		18.94	10.12
	4/18/07		18.21	10.85
8/2/07		19.00	10.06	
10/23/07		19.15	9.91	
1/30/08		18.21	10.85	
4/18/08		18.61	10.45	

* Top of casing elevation relative to arbitrary project datum

TABLE TWO
 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
1/24/06	23,000	780	< 100	160	260	11,000
4/12/06	11,000	1,500	87	360	670	17,000
7/10/06	72,000	4,700	< 250	350	< 500	66,000
10/16/06	26,000	1,600	< 250	330	< 500	22,000
1/26/07	7,200	1,500	< 70	140	96	34,000
4/18/07	5,400	1,100	< 50	200	120	21,000
8/2/07	6,600	1,500	64	240	190	32,000
10/23/07	5,900	1,300	52	200	180	28,000
1/30/08	2,700	300	21	64	90	5,200
4/18/08	3,800	930	41	110	130	32,000

TABLE TWO
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-2						
12/5/98	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
3/4/99	Inaccessible due to car parked over well					
6/17/99	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
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					
7/10/06	< 50	< 0.50	< 0.50	< 0.50	< 1.0	4.5
10/16/07	< 50	< 0.50	< 0.50	< 0.50	< 1.0	< 0.5
1/26/07	< 50	0.55	1.0	< 0.50	1.4	0.97
4/18/07	< 50	1.5	2.6	0.93	3.2	0.64
8/2/07	< 50	< 0.50	< 0.50	< 0.50	< 0.50	2.2
10/23/07	Inaccessible due to car parked over well					
1/30/08	< 50	< 0.50	< 0.50	< 0.50	< 0.50	300
4/18/08	< 50	< 0.50	< 0.50	< 0.50	< 0.50	40

TABLE TWO
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-3						
12/5/98	6,500	< 50	50	60	502	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
1/24/06	17,000	< 100	< 100	< 100	< 200	7,000
4/12/06	< 200	< 2.0	< 2.0	< 2.0	< 2.0	7,800
7/10/06	11,000	< 100	< 100	< 100	< 200	12,000
10/16/06	< 10,000	< 100	< 100	< 100	< 100	17,000
1/26/07	< 200	< 2.0	< 2.0	< 2.0	< 2.0	4,000
4/18/07	< 900	< 9.0	< 9.0	< 9.0	< 9.0	11,000
8/2/07	110	< 0.80	< 0.80	< 0.80	2.0	410
10/23/07	< 80	< 0.80	< 0.80	< 0.80	< 0.80	480
1/30/08	< 80	< 0.80	< 0.80	< 0.80	< 0.80	430
4/18/08	< 50	< 0.50	< 0.50	< 0.50	< 0.50	350

TABLE TWO
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-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
1/24/06	10,000	<100	<100	<100	<200	8,300
4/12/06	1,900	<10	<10	<10	<20	2,200
7/10/06	750	5.4	<5.0	<5.0	<10	790
10/16/06	2,400	<10	<10	<10	<10	2,200
1/26/07	250	<1.5	<1.5	<1.5	<1.5	7,000
4/18/07	<400	<4.0	<4.0	<4.0	<4.0	2,300
8/2/07	400	<4.0	<4.0	<4.0	<4.0	4,500
10/23/07	<500	<5.0	<5.0	<5.0	<5.0	3,400
1/30/08	580	89	1.5	<0.90	2.5	500
4/18/08	660	13	0.58	0.51	0.94	180

TABLE TWO
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-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
7/18/02	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
7/18/03	8,200	650	77	99	140	4,300
10/9/03	5,700**	500	28	53	35	3,600
1/28/04	17,000***	1,600	90	250	280	9,700
4/7/04			No longer sampled			
1/24/06	21,000	1,800	1,200	270	820	13,000
7/10/06	45,000	3,700	2,600	650	1,800	23,000
10/16/06	66,000	4,200	3,300	800	2,100	35,000
1/26/07	30,000	3,200	2,600	610	2,400	38,000
4/18/07	30,000	4,300	3,300	800	2,600	27,000
8/2/07	26,000	3,700	2,800	690	1,900	32,000
10/23/07	34,000	4,400	3,700	860	3,200	34,000
1/30/08	28,000	3,900	2,800	750	2,300	26,000
4/18/08	30,000	4,300	3,200	810	2,000	32,000
ESL:	100	1	40	30	20	5

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.