



**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
www.CRAworld.com

October 4, 2007

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

Re: **Third Quarter 2007 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 *Third Quarter 2007 Monitoring Report* for the subject site. This report describes the Third Quarter 2007 activities and results, as well as anticipated Fourth Quarter 2007 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: *Third Quarter 2007 Monitoring Report*

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

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**CONESTOGA-ROVERS
& ASSOCIATES**

THIRD QUARTER 2007 MONITORING REPORT

**Former ARCO Service Station
706 Harrison Street, Oakland, California
Fuel Leak Case No. RO000484
CRA Project No. 231116**

October 4, 2007

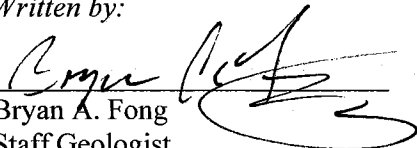
Prepared for:

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

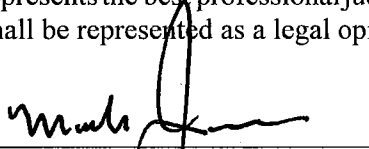
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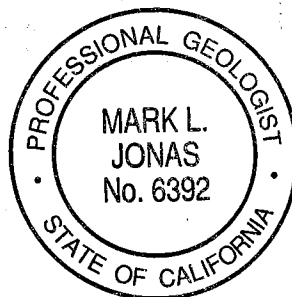
Conestoga-Rovers & Associates, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Written by:


Bryan A. Fong
Staff Geologist

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Mark Jonas, P.G.
Senior Project Manager





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& ASSOCIATES**

THIRD QUARTER 2007 MONITORING REPORT

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

October 4, 2007

INTRODUCTION

On behalf of Mr. Bo K. Gin, Conestoga-Rovers & Associates, Inc. (CRA) is submitting this *Third Quarter 2007 Monitoring Report* for the subject site. Presented are the Third Quarter 2007 groundwater monitoring activities and results and the anticipated Fourth Quarter 2007 activities.

Figure 1 is a vicinity map. Figure 2 is recent monitoring groundwater contours and hydrocarbon concentrations. Table 1 is 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 monitoring groundwater elevations and analytical data for the neighboring former Shell Station located at 726 Harrison Street, in Oakland, California.

THIRD QUARTER 2007 ACTIVITIES

Monitoring Activities

Field Activities: On August 2, 2007, Muskan Environmental Sampling (MES) conducted quarterly monitoring and sampling activities. MES measured well water levels in monitoring wells MW-1 through MW-7 (Figure 2). MES also collected groundwater samples from monitoring wells MW-1 through MW-7. Groundwater depth measurements have been submitted to the GeoTracker database.

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, 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 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 analytical laboratory 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 August 2, 2007, groundwater appears to flow towards the south with an apparent gradient of 0.025 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 well MW-1, source area well MW-2, and up-gradient well MW-4 during this sampling event (Figure 2, Table 2). The highest TPHg, benzene, toluene, ethylbenzene, and xylene concentrations were detected in monitoring well MW-2 at 61,000 micrograms per liter ($\mu\text{g/L}$), 2,700 $\mu\text{g/L}$, 11,000 $\mu\text{g/L}$, 1,800 $\mu\text{g/L}$, and 7,600 $\mu\text{g/L}$, respectively. TPHg and BTEX concentrations were detected in well MW-1 at 6,100 $\mu\text{g/L}$, 1,200 $\mu\text{g/L}$, 130 $\mu\text{g/L}$, 140 $\mu\text{g/L}$, and 240 $\mu\text{g/L}$, respectively.

TPHg and BTEX concentrations in up-gradient well MW-4 are slightly higher than the previous quarter at 3,600 $\mu\text{g/L}$, 480 $\mu\text{g/L}$, 33 $\mu\text{g/L}$, 47 $\mu\text{g/L}$, and 72 $\mu\text{g/L}$, respectively. 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, MW-3, MW-4, MW-5, and MW-7. The highest on-site MTBE concentration was detected in well MW-4, at 9,000 $\mu\text{g/L}$. MTBE concentrations in wells MW-1, MW-2, MW-3, MW-5, and MW-7 were 5,400 $\mu\text{g/L}$, 4,600 $\mu\text{g/L}$, 3,500 $\mu\text{g/L}$, 760 $\mu\text{g/L}$, and 2.2 $\mu\text{g/L}$ respectively.



**CONESTOGA-ROVERS
& ASSOCIATES**

Third Quarter 2007 Monitoring Report
706 Harrison Street, Oakland
FLC #RO0000484
October 4, 2007

Significantly higher concentrations of MTBE were identified in the wells located up-gradient, on the adjacent property. On the adjacent property, the highest MTBE concentration was detected in monitoring well MW-5, at 32,000 µg/L (Figure 2). Well MW-5 is located approximately eight feet up-gradient of the 706 Harrison Street Property boundary

ANTICIPATED FOURTH QUARTER 2007 ACTIVITIES

Monitoring Activities

During Fourth Quarter of 2007, CRA will measure water levels and collect groundwater samples from wells MW-1, MW-2, and MW-4. 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, and MTBE by EPA Method SW8021B and by EPA Method SW8260B. CRA will prepare a groundwater monitoring report summarizing the monitoring activities and results.

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

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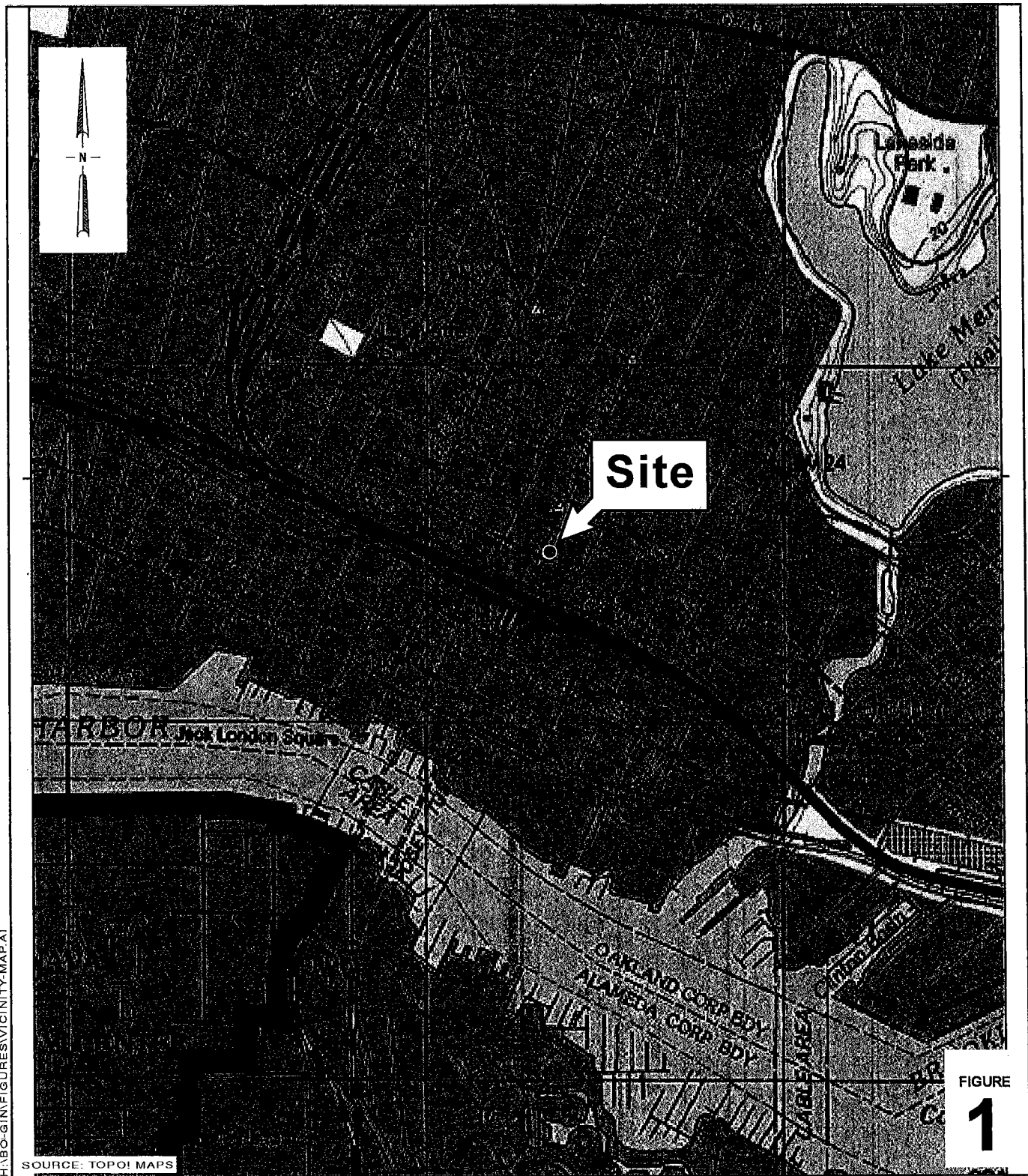


FIGURE 1

Former ARCO Station
 706 Harrison Street
 Oakland, California



Vicinity Map

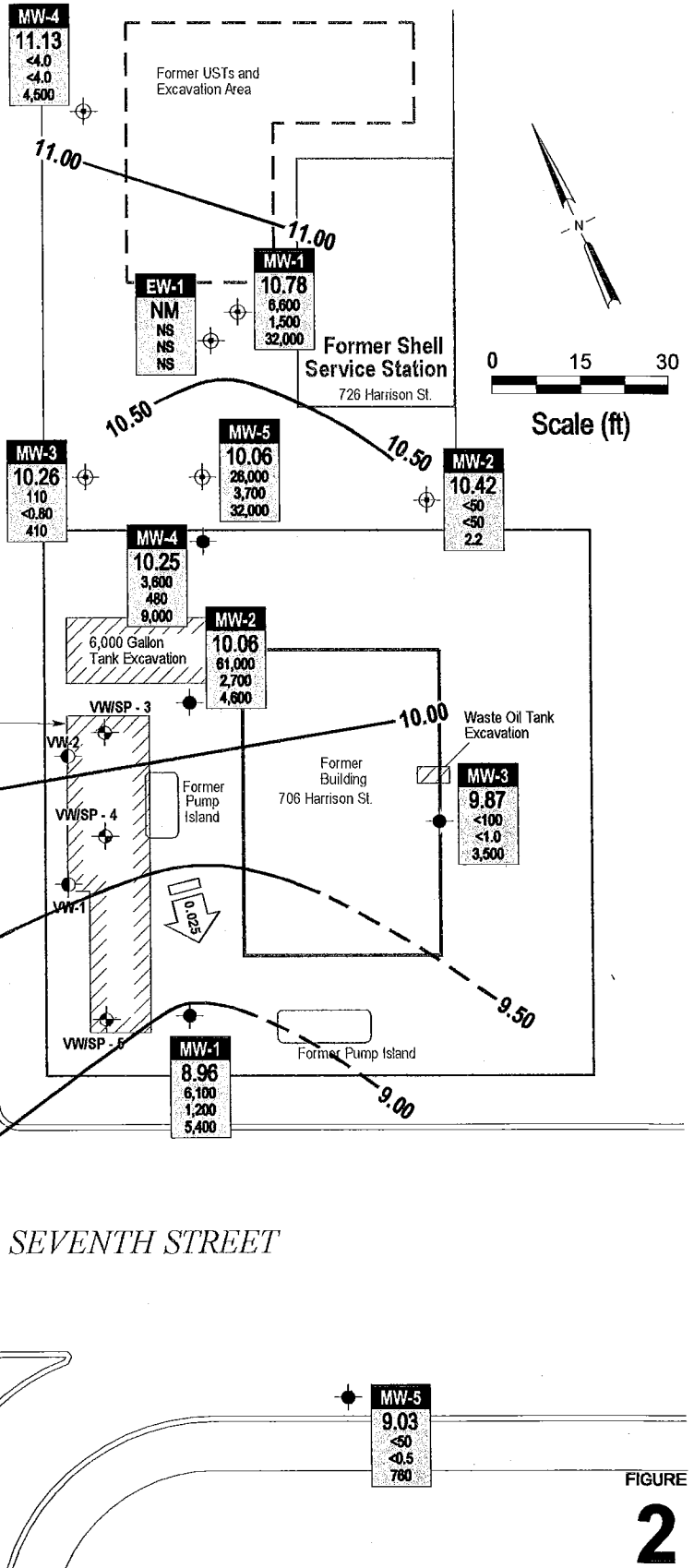
EXPLANATION

- Monitoring well location
- Dual SVE/Sparging well
- SVE well location
- Shell Monitoring well location
- Groundwater elevation contour, dashed where inferred
- Groundwater flow direction and gradient (ft/ft)
- | Well ID |
|------------------|
| ELEV. |
| TPH _g |
| Benzene |
| MTBE |

 Well identification.
- | ELEV. |
|------------------|
| TPH _g |
| Benzene |
| MTBE |

 Groundwater elevation, in feet above mean sea level (msl).
- TPH_g, Benzene and MTBE concentrations are in micrograms per liter (µg/L)
- NS Not sampled
- NM Not Measured

HARRISON STREET



H:\BCO_GIL_OAKLAND\FIGURES\2007\30\M07.MP.DWG

FIGURE
2

Former ARCO Station
706 Harrison Street
Oakland, California



**Groundwater Elevation Contour
and Hydrocarbon
Concentration Map**

August 2, 2007

Conestoga-Rovers & Associates

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	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	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	-	-	
	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

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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	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}	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
	1/23/2006	13.27	12.90	3,100	790	6.5	79	32	4,200	5,100	a
	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
	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, 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	

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	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 ^{cont}	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	
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		
10/16/2006	16.74	10.79	110,000	3,600	16,000	2,400	12,000	ND<6,000	2,700	a,h		
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		
4/18/2007	17.02	10.51	100,000	3,500	18,000	2,500	12,000	5,200	3,400	a,h,i		
8/2/2007	17.47	10.06	61,000	2,700	11,000	1,800	7,600	6,400	4,600	a,h		
MW-3 29.77	8/13/1993	17.05	12.72	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.5	-	-	No SVOCs.	
	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	-		

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Well ID/ Sample ID TOC	Date Sampled	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-3 ^{cont}	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	-	-	-	-	-	-	-	
MW-3 ^{cont}	1/23/2006	13.65	13.14	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	270	260	
	4/12/2006	11.94	14.85	-	-	-	-	-	-	-	
	7/10/2006	14.48	12.31	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1,100	1,600	
	10/16/2006	16.19	10.60	-	-	-	-	-	-	-	
	1/26/2007	16.56	10.23	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2,500	3,400	
	4/18/2007	16.45	10.34	-	-	-	-	-	-	-	
	8/2/2007	16.92	9.87	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	3,300	3,500	

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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	-	-	-	-	-	-	-	
	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

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MW-4 ^{cont}	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
MW-5 28.04	12/16/1994	16.07	11.97	ND<50	1.1	ND<0.5	ND<0.5	2.4	-	-	
	12/29/1994	16.10	11.94	-	-	-	-	-	-	-	
	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	-	-	-	-	-	-	-		

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MW-5 ^{cont}	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	-	-	-	-	-	-	-	
25.07	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	-	-	-	-	-	-	-	
	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	-	i
	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	-	i
	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	-	i
	10/18/2005	14.79	10.28	-	-	-	-	-	-	-	
	1/23/2006	13.12	11.95	ND<50	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<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	25	-	i
	10/16/2006	15.44	9.63	-	-	-	-	-	-	-	
	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		
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	-	-	-	-	-	-	-		

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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	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-6 ^{cont}	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<5.0	-	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	
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			
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	

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	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 ^{cont}	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	
	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	

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	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 ^{cont}	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	
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:

ug/L = Micrograms per liter

ND<0.5 = Not Detected (ND) above laboratory detection limit.

- = Not sampled, not analyzed, or not applicable

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.

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"



**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

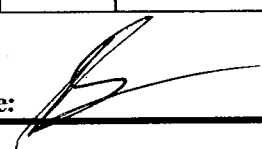
Date: 8/2/2007

Signature: 

Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-1	11:00		17.21		24.74	
MW-2	11:10		17.47		25.80	
MW-3	10:55		16.92		27.75	
MW-4	11:05		17.95		25.59	
MW-5	10:35		16.04		27.85	
MW-6	9:13		17.13		25.91	
MW-7	9:40		16.93		27.76	

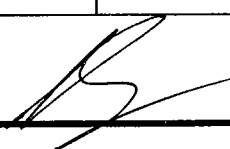


WELL SAMPLING FORM

Date:	8/2/2007					
Client:	Conestoga-Rovers and Associates					
Site Address:	706 Harrison Street, Oakland, CA					
Well ID:	MW-1					
Well Diameter:	2"					
Purging Device:	Disposable Bailer					
Sampling Method:	Disposable Bailer					
Total Well Depth:	24.74	Fe=	mg/L			
Depth to Water:	17.21	ORP=	mV			
Water Column Height:	7.53	DO=	mg/L			
Gallons/ft:	0.16	COMMENTS: very trubid, silty				
1 Casing Volume (gal):	1.20					
3 Casing Volumes (gal):	3.61					
TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)		
11:55	1.2	20.6	6.41	875		
11:57	2.4	21.0	6.42	847		
12:00	3.6	20.8	6.45	844		
Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-1	8/2/2007	12:03	40 ml VOA	HCl, ICE	TPHg BTEX MTBE	8015, 8021, 8260
				Signature: 		




WELL SAMPLING FORM

Date: 8/2/2007						
Client: Conestoga-Rovers and Associates						
Site Address: 706 Harrison Street, Oakland, CA						
Well ID: MW-2						
Well Diameter: 2"						
Purging Device: Disposable Bailer						
Sampling Method: Disposable Bailer						
Total Well Depth: 25.80	Fe= mg/L					
Depth to Water: 17.47	ORP= mV					
Water Column Height: 8.33	DO= mg/L					
Gallons/ft: 0.16						
1 Casing Volume (gal): 1.33	COMMENTS: very trubid, silty					
3 Casing Volumes (gal): 4.00						
TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)		
12:35	1.3	20.8	6.49	889		
12:38	2.7	20.4	6.43	894		
12:40	4.0	20.4	6.42	886		
Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-2	8/2/2007	12:43	40 ml VOA	HCl, ICE	TPHg BTEX MTBE	8015, 8021, 8260
				Signature:		



WELL SAMPLING FORM

Date:		8/2/2007				
Client:		Conestoga-Rovers and Associates				
Site Address:		706 Harrison Street, Oakland, CA				
Well ID:		MW-3				
Well Diameter:		2"				
Purging Device:		Disposable Bailer				
Sampling Method:		Disposable Bailer				
Total Well Depth:		27.75	Fe=	mg/L		
Depth to Water:		16.92	ORP=	mV		
Water Column Height:		10.83	DO=	mg/L		
Gallons/ft:		0.16				
1 Casing Volume (gal):		1.73				
3 Casing Volumes (gal):		5.20				
TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)		
11:35	1.7	20.2	6.42	484		
11:37	3.5	20.3	6.48	500		
11:40	5.2	20.1	6.47	498		
COMMENTS: very turbid, silty						
Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-3	8/2/2007	11:42	40 ml VOA	HCl, ICE	TPHg BTEX MTBE	8015, 8021, 8260
						Signature: 




WELL SAMPLING FORM

Date:		8/2/2007				
Client:		Conestoga-Rovers and Associates				
Site Address:		706 Harrison Street, Oakland, CA				
Well ID:		MW-4				
Well Diameter:		2"				
Purging Device:		Disposable Bailer				
Sampling Method:		Disposable Bailer				
Total Well Depth:		25.59	Fe= mg/L			
Depth to Water:		17.95	ORP= mV			
Water Column Height:		7.64	DO= mg/L			
Gallons/ft:		0.16				
1 Casing Volume (gal):		1.22	COMMENTS: very trubid, silty			
3 Casing Volumes (gal):		3.67				
TIME:	CASING VOLUME (gal)	TEMP (Celsius)			pH	COND. (µS)
12:15	1.2	20.0			6.50	900
12:17	2.4	19.8	6.49	897		
12:20	3.7	19.6	6.55	894		
Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-4	8/2/2007	12:23	40 ml VOA	HCl, ICE	TPHg BTEX MTBE	8015, 8021, 8260
Signature:						




WELL SAMPLING FORM

Date:		8/2/2007				
Client:		Conestoga-Rovers and Associates				
Site Address:		706 Harrison Street, Oakland, CA				
Well ID:		MW-5				
Well Diameter:		2"				
Purging Device:		Disposable Bailer				
Sampling Method:		Disposable Bailer				
Total Well Depth:		27.85	Fe=	mg/L		
Depth to Water:		16.04	ORP=	mV		
Water Column Height:		11.81	DO=	mg/L		
Gallons/ft:		0.16	COMMENTS: very trubid, silty			
1 Casing Volume (gal):		1.89				
3 Casing Volumes (gal):		5.67				
TIME:	CASING VOLUME (gal)	TEMP (Celsius)			pH	COND. (µS)
10:37	1.9	20.1	6.65	477		
10:40	3.8	20.2	6.60	487		
10:42	5.7	20.2	6.62	489		
Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-5	8/2/2007	10:45	40 ml VOA	HCl, ICE	TPHg BTEX MTBE	8015, 8021, 8260
				Signature:		



WELL SAMPLING FORM

Date:		8/2/2007				
Client:		Conestoga-Rovers and Associates				
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:		25.91	Fe= mg/L			
Depth to Water:		17.13	ORP= mV			
Water Column Height:		8.78	DO= mg/L			
Gallons/ft:		0.16				
1 Casing Volume (gal):		1.40	COMMENTS: very trubid, silty			
3 Casing Volumes (gal):		4.21				
TIME:	CASING VOLUME (gal)	TEMP (Celsius)			pH	COND. (µS)
9:17	1.4	20.6			6.29	572
9:20	2.8	20.5	6.33	586		
9:23	4.2	20.1	6.34	563		
Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-6	8/2/2007	9:25	40 ml VOA	HCl, ICE	TPHg BTEX MTBE	8015, 8021, 8260
				Signature:		



WELL SAMPLING FORM

Date:		8/2/2007				
Client:		Conestoga-Rovers and Associates				
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:		27.76	Fe= mg/L			
Depth to Water:		16.93	ORP= mV			
Water Column Height:		10.83	DO= mg/L			
Gallons/ft:		0.16				
1 Casing Volume (gal):		1.73	COMMENTS: very turbid, silty			
3 Casing Volumes (gal):		5.20				
TIME:	CASING VOLUME (gal)	TEMP (Celsius)			pH	COND. (µS)
9:43	1.7	20.3	6.41	859		
9:46	3.5	20.4	6.47	863		
9:49	5.2	20.4	6.50	829		
Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-7	8/2/2007	9:52	40 ml VOA	HCl, ICE	TPHg BTEX MTBE	8015, 8021, 8260
Signature:						



**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: 08/02/07
		Date Received: 08/02/07
	Client Contact: Mark Jonas	Date Reported: 08/09/07
	Client P.O.:	Date Completed: 08/09/07

WorkOrder: 0708047

August 09, 2007

Dear Mark:

Enclosed are:

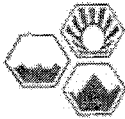
- 1). the results of 7 analyzed samples from your **#231116; BoGin project**,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

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.

Best regards,

Angela Rydelius, Lab Manager



McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701

Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME

RUSH 24 HR 48 HR 72 HR 5 DAY

GeoTracker EDF PDF Excel Write On (DW)

Check if sample is effluent and "J" flag is required

Report To: Mack Jones Bill To: Ceres Energy Services/Associates
Company: Ceres Energy Services/Associates
5900 Hollis Street, Ste A
Emeryville, CA E-Mail: mjones@ceresenergy.com
Tele: (510) 420-3307 Fax: (510) 420-9170
Project #: 231116 Project Name: Bohemian
Project Location: 706 Harrison Street, Oakland, CA
Sampler Signature: Muska Environmental Sampling

Analysis Request

Other

Comments

BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE
TPH as Diesel (8015)
Total Petroleum Oil & Grease (1064 / 820 ERO&D)
Total Petroleum Hydrocarbons (418.1)
EPA 502.2 / 601 / 8010 / 8011 (BVOCs)
MTBE / BTEX ONLY (EPA 602 / 8021)
EPA 505/608 / 8081 (C) Pesticides
EPA 608 / 8082 PCB'S ONLY; Arsenic / Compens
EPA 507 / 8141 (NP Pesticides)
EPA 515 / 8151 (Acidic Chlorides)
EPA 514.2 / 624 / 8360 (VOCs)
EPA 525.3 / 625 / 8270 (SVOCs)
EPA 8270 SEM / 8010 (PAHs / PNAs)
CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)
LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)
Lead (200.7 / 200.8 / 6010 / 6020)

Filter Samples for Metals analysis: Yes / No

MTBE by 2260

+
+
+
+
+
+
+
+

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED											
		Date	Time			Water	Soil	Air	Sludge	Other	ICE	HCL	HNO ₃	Other								
MW-1		8-2-07	12:03	4	1000X							XX										
MW-2			12:43																			
MW-3			11:42																			
MW-4			12:23																			
MW-5			10:45																			
MW-6			9:25																			
MW-7			9:52									XX										

Relinquished By:	Date: 8-2-07	Time: 2:46pm	Received By:
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/C ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECLORINATED IN LAB ✓
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB ✓

VOAS O&G METALS OTHER
PRESERVATION pH=2

COMMENTS:

McCampbell Analytical, Inc.



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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0708047

ClientID: CETE

EDF

Excel

Fax

Email

HardCopy

ThirdParty

Report to:

Mark Jonas
Conestoga-Rovers & Associates
5900 Hollis St, Suite A
Emeryville, CA 94608

Email: mjonas@CRAworld.com
TEL: (510) 420-070 FAX: (510) 420-917
ProjectNo: #231116; BoGin
PO:

Bill to

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

Requested TAT: 5 days

Date Received 08/02/2007

Date Printed: 08/02/2007

Sample ID	ClientSampleID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
0708047-001	MW-1	Water	8/2/2007 12:03:00	<input type="checkbox"/>	A	B	A										
0708047-002	MW-2	Water	8/2/2007 12:43:00	<input type="checkbox"/>	A	B											
0708047-003	MW-3	Water	8/2/2007 11:42:00	<input type="checkbox"/>	A	B											
0708047-004	MW-4	Water	8/2/2007 12:23:00	<input type="checkbox"/>	A	B											
0708047-005	MW-5	Water	8/2/2007 10:45:00	<input type="checkbox"/>	A	B											
0708047-006	MW-6	Water	8/2/2007 9:25:00	<input type="checkbox"/>	A	B											
0708047-007	MW-7	Water	8/2/2007 9:52:00	<input type="checkbox"/>	A	B											

Test Legend:

1	G-MBTX_W
6	
11	

2	MTBE_W
7	
12	

3	PREF REPORT
8	

4	
9	

5	
10	

Prepared by: Chloe Lam

Comments:

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



Sample Receipt Checklist

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

Date and Time Received: **8/2/2007 2:55:16 PM**

Project Name: **#231116; BoGin**

Checklist completed and reviewed by: **Chloe Lam**

WorkOrder N°: **0708047** Matrix Water

Carrier: Client Drop-In

Chain of Custody (COC) Information

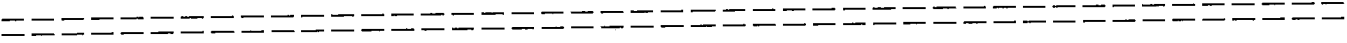
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Sample IDs noted by Client on COC? Yes No
- Date and Time of collection noted by Client on COC? Yes No
- Sampler's name noted on COC? Yes No

Sample Receipt Information

- Custody seals intact on shipping container/cooler? Yes No NA
- Shipping container/cooler in good condition? Yes No
- Samples in proper containers/bottles? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No

Sample Preservation and Hold Time (HT) Information

- All samples received within holding time? Yes No
- Container/Temp Blank temperature Cooler Temp: 7.6°C NA
- Water - VOA vials have zero headspace / no bubbles? Yes No No VOA vials submitted
- Sample labels checked for correct preservation? Yes No
- TTLC Metal - pH acceptable upon receipt (pH<2)? Yes No NA



Client contacted:

Date contacted:

Contacted by:

Comments:



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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: 08/02/07
		Date Received: 08/02/07
	Client Contact: Mark Jonas	Date Extracted: 08/04/07-08/06/07
	Client P.O.:	Date Analyzed 08/04/07-08/06/07

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

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0708047

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-1	W	6100,a	5300	1200	130	140	240	10	99
002A	MW-2	W	61,000,a,h	6400	2700	11,000	1800	7600	100	103
003A	MW-3	W	ND<100,j	3300	ND<1.0	ND<1.0	ND<1.0	ND<1.0	2	103
004A	MW-4	W	3600,a	7500	480	33	47	72	10	107
005A	MW-5	W	ND	660	ND	ND	ND	ND	1	107
006A	MW-6	W	ND	ND	ND	ND	ND	ND	1	104
007A	MW-7	W	ND	ND	ND	ND	ND	ND	1	114

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

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; p) see attached narrative.



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Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #231116; BoGin	Date Sampled: 08/02/07
		Date Received: 08/02/07
	Client Contact: Mark Jonas	Date Extracted: 08/05/07-08/06/07
	Client P.O.:	Date Analyzed 08/05/07-08/06/07

Methyl tert-Butyl Ether*

Extraction method SW5030B

Analytical methods SW8260B

Work Order: 0708047

Lab ID	Client ID	Matrix	Methyl-t-butyl ether (MTBE)	DF	% SS
001B	MW-1	W	5400	200	120
002B	MW-2	W	4600,h	200	115
003B	MW-3	W	3500	100	122
004B	MW-4	W	9000	330	121
005B	MW-5	W	760	25	120
006B	MW-6	W	ND	1	109
007B	MW-7	W	2.2	1	107


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

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

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

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

 Angela Rydelius, Lab Manager



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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder 0708047

Analyte	Extraction SW5030B		BatchID: 29716						Spiked Sample ID: 0708029-001A			
	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	82.2	104	23.3	120	107	11.8	70 - 130	30	70 - 130	30
MTBE	ND	10	94.1	97.2	3.17	103	112	8.12	70 - 130	30	70 - 130	30
Benzene	ND	10	91.8	93.1	1.42	96.1	95.5	0.633	70 - 130	30	70 - 130	30
Toluene	ND	10	96.7	96.4	0.310	109	107	1.73	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	96.3	97.4	1.18	107	105	2.00	70 - 130	30	70 - 130	30
Xylenes	ND	30	91.3	95	3.94	120	113	5.71	70 - 130	30	70 - 130	30
%SS:	91	10	103	101	1.37	96	96	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 29716 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0708047-001A	08/02/07 12:03 PM	08/05/07	08/05/07 6:43 PM	0708047-001A	08/02/07 12:03 PM	08/06/07	08/06/07 7:57 PM
0708047-002A	08/02/07 12:43 PM	08/05/07	08/05/07 12:07 AM	0708047-003A	08/02/07 11:42 AM	08/05/07	08/05/07 12:38 AM
0708047-003A	08/02/07 11:42 AM	08/06/07	08/06/07 7:27 PM	0708047-004A	08/02/07 12:23 PM	08/05/07	08/05/07 3:39 AM
0708047-004A	08/02/07 12:23 PM	08/05/07	08/05/07 10:44 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.

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

cluttered chromatogram; sample peak coelutes with surrogate peak.



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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder 0708047

Analyte	EPA Method SW8021B/8015Cm		Extraction SW5030B			BatchID: 29725			Spiked Sample ID: 0708051-004A			
	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	99.8	84.4	16.7	83.7	82.9	0.936	70 - 130	30	70 - 130	30
MTBE	ND	10	108	90	17.8	99.7	111	10.5	70 - 130	30	70 - 130	30
Benzene	ND	10	90.2	79.7	12.3	88.3	89.8	1.71	70 - 130	30	70 - 130	30
Toluene	ND	10	101	88.3	13.7	89.4	93.7	4.77	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	95.6	85.2	11.5	91.3	89.4	2.09	70 - 130	30	70 - 130	30
Xylenes	ND	30	91.3	81.3	11.6	90	90.3	0.370	70 - 130	30	70 - 130	30
%SS:	106	10	98	97	1.16	98	98	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 29725 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0708047-005A	08/02/07 10:45 AM	08/05/07	08/05/07 9:44 PM	0708047-005A	08/02/07 10:45 AM	08/06/07	08/06/07 8:27 PM
0708047-006A	08/02/07 9:25 AM	08/05/07	08/05/07 9:14 PM	0708047-007A	08/02/07 9:52 AM	08/04/07	08/04/07 9:34 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.



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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder 0708047

EPA Method SW8260B	Extraction SW5030B			BatchID: 29726					Spiked Sample ID: 0708047-006B			
	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
Analyte	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Methyl-t-butyl ether (MTBE)	ND	10	103	95.8	7.07	93.3	104	11.3	70 - 130	30	70 - 130	30
%SSI:	109	10	98	107	9.54	120	112	6.79	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 29726 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0708047-001B	08/02/07 12:03 PM	08/06/07	08/06/07 1:51 PM	0708047-002B	08/02/07 12:43 PM	08/05/07	08/05/07 6:57 PM
0708047-003B	08/02/07 11:42 AM	08/05/07	08/05/07 7:41 PM	0708047-004B	08/02/07 12:23 PM	08/06/07	08/06/07 2:35 PM
0708047-005B	08/02/07 10:45 AM	08/06/07	08/06/07 3:19 PM	0708047-006B	08/02/07 9:25 AM	08/05/07	08/05/07 11:14 PM
0708047-007B	08/02/07 9:52 AM	08/06/07	08/06/07 12:04 AM				

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

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

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

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.



**CONESTOGA-ROVERS
& ASSOCIATES**

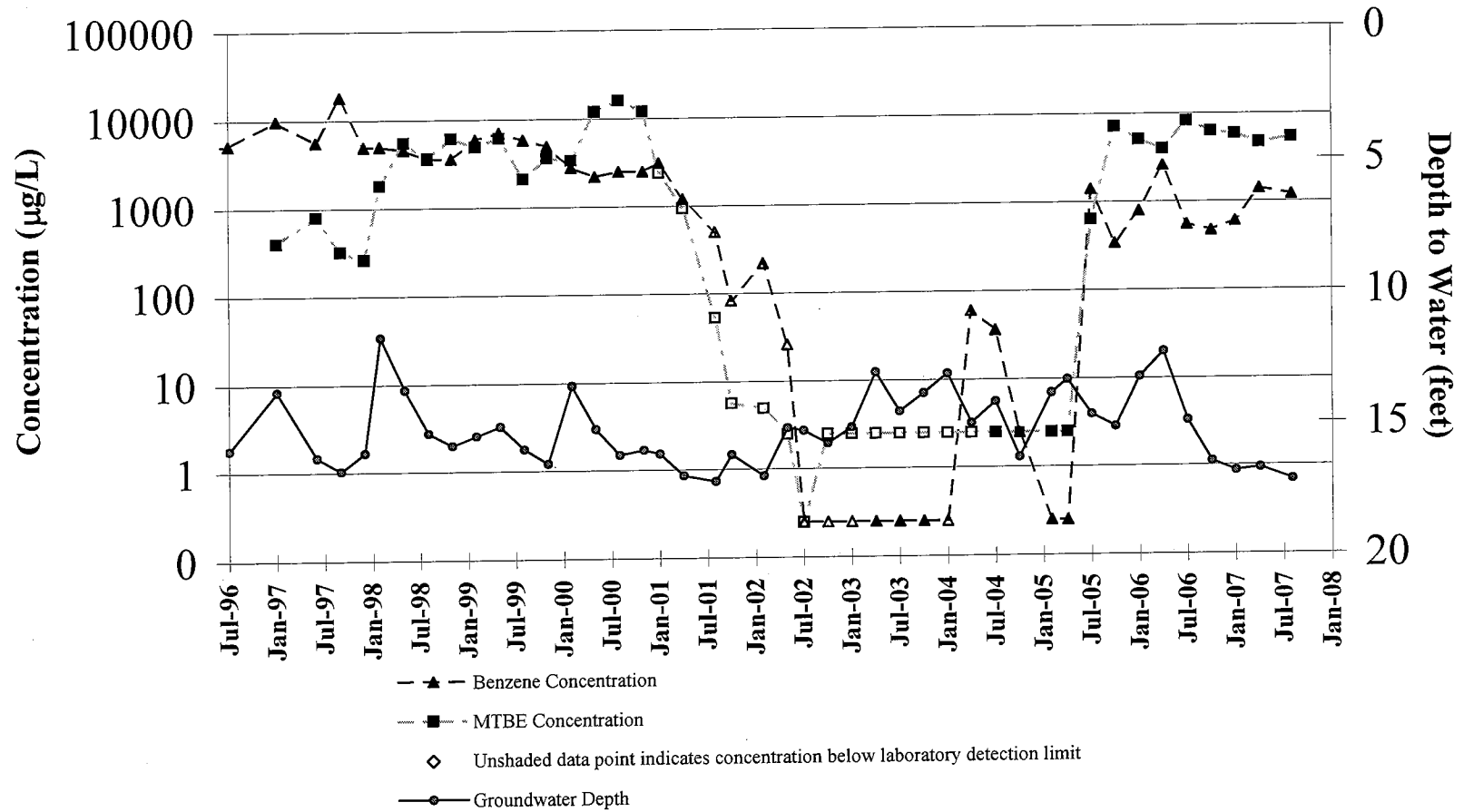
APPENDIX C

Benzene and MTBE Concentration Graphs

Monitoring Well MW-1

Benzene and MTBE Concentration Trends

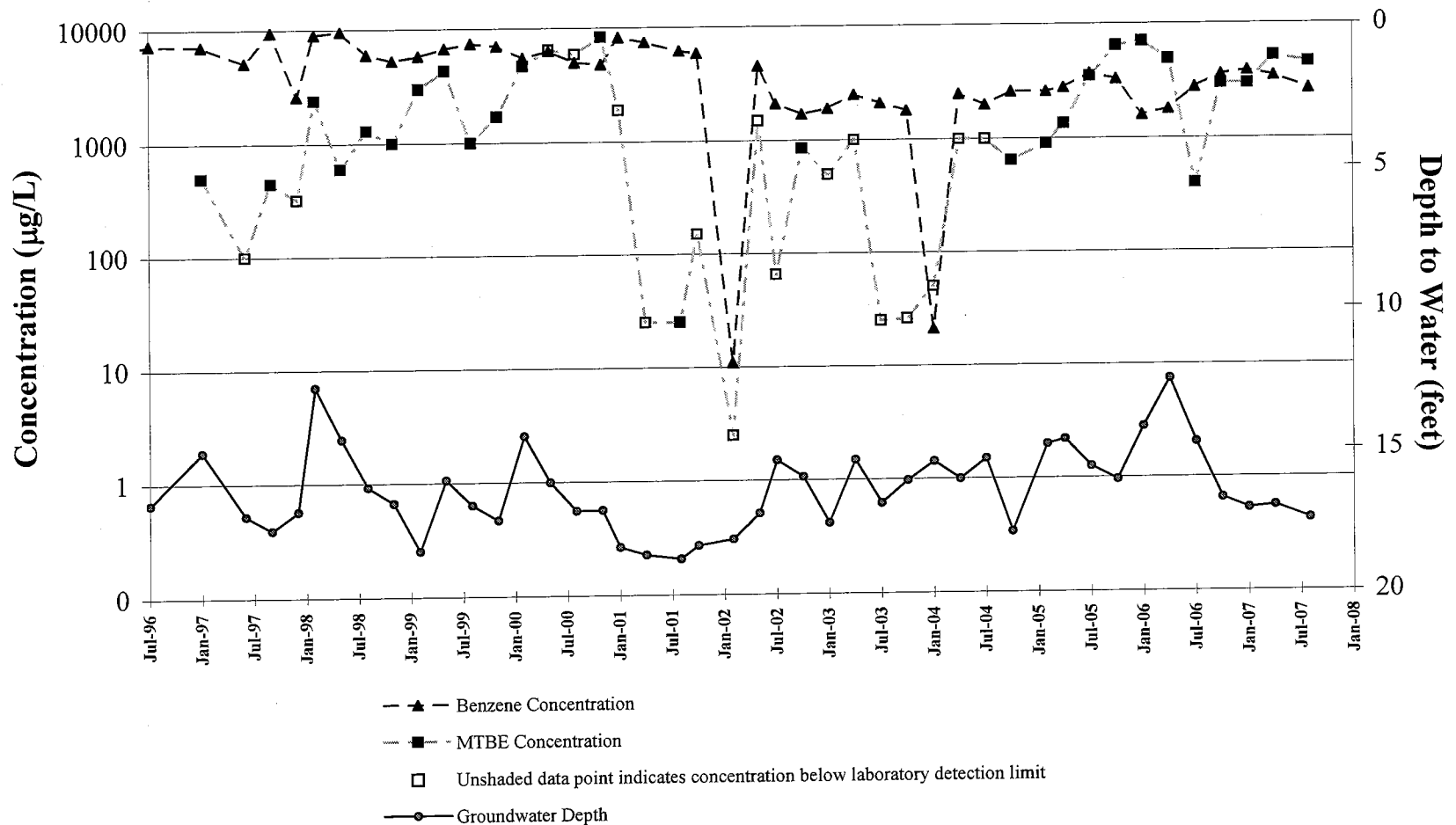
Former ARCO Service Station, 706 Harrison Street, Oakland, CA



Monitoring Well MW-2

Benzene and MTBE Concentration Trends

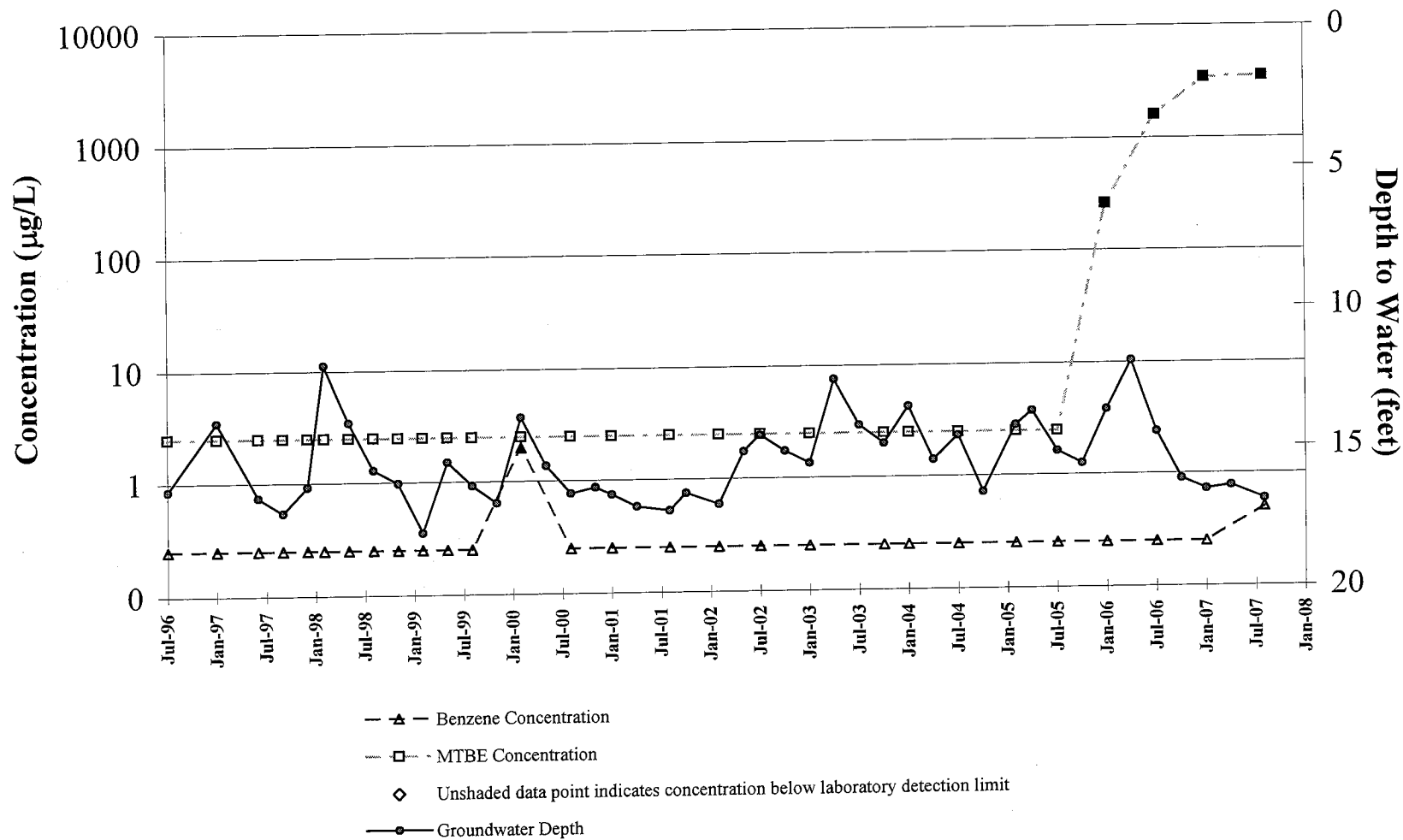
Former ARCO Service Station, 706 Harrison Street, Oakland, CA



Monitoring Well MW-3

Benzene and MTBE Concentration Trends

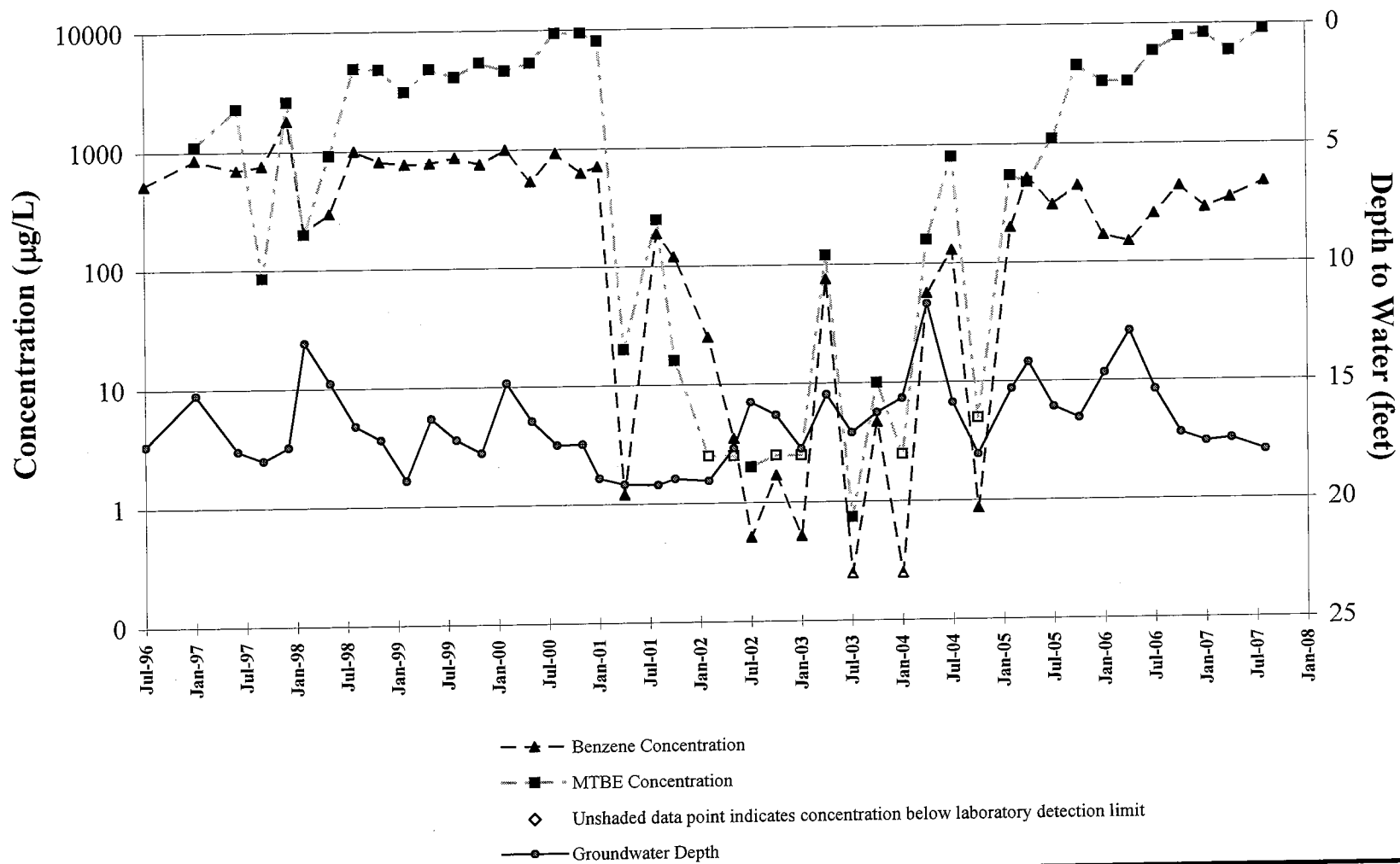
Former ARCO Service Station, 706 Harrison Street, Oakland, CA



Monitoring Well MW-4

Benzene and MTBE Concentration Trends

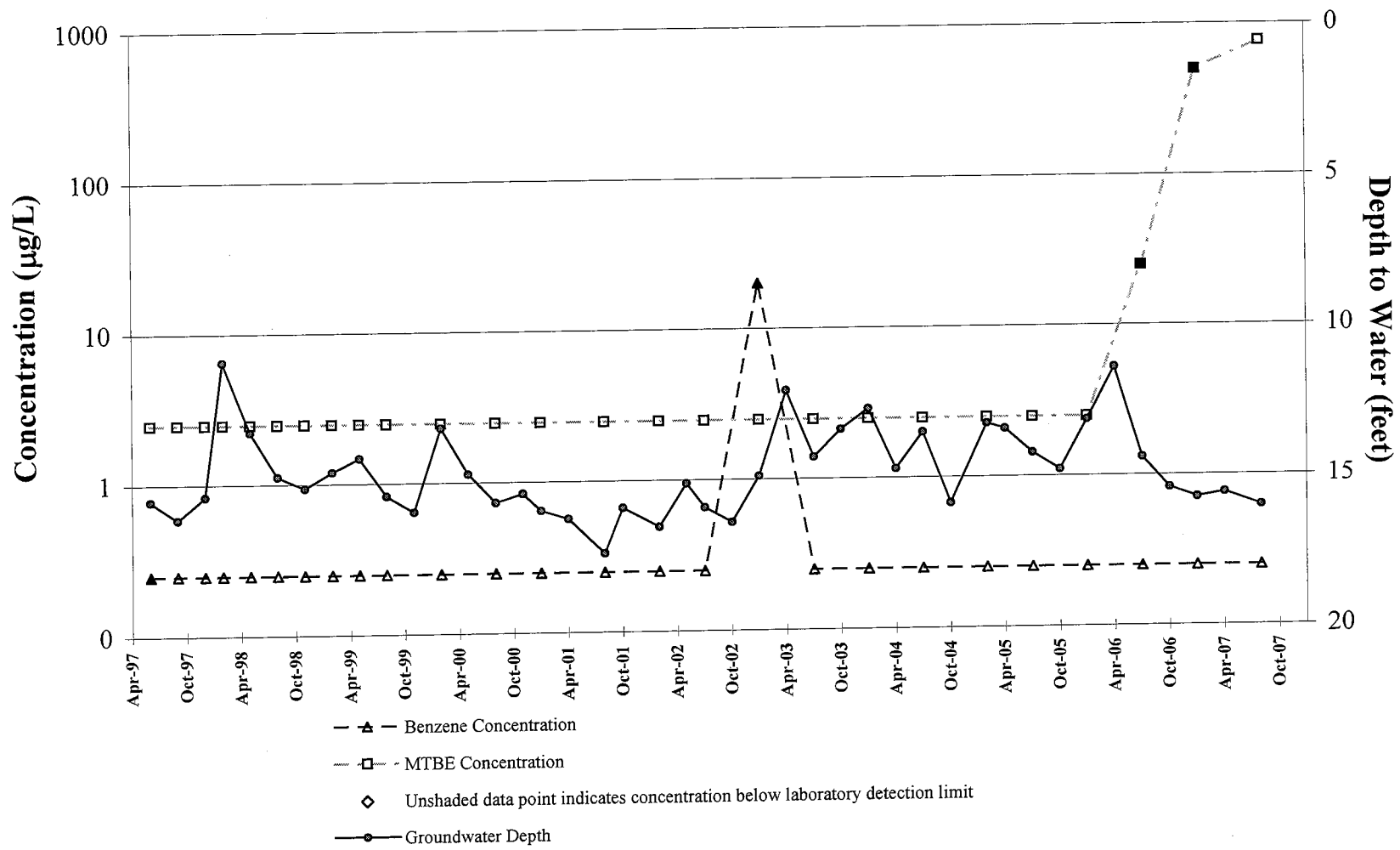
Former ARCO Service Station, 706 Harrison Street, Oakland, CA



Monitoring Well MW-5

Benzene and MTBE Concentration Trends

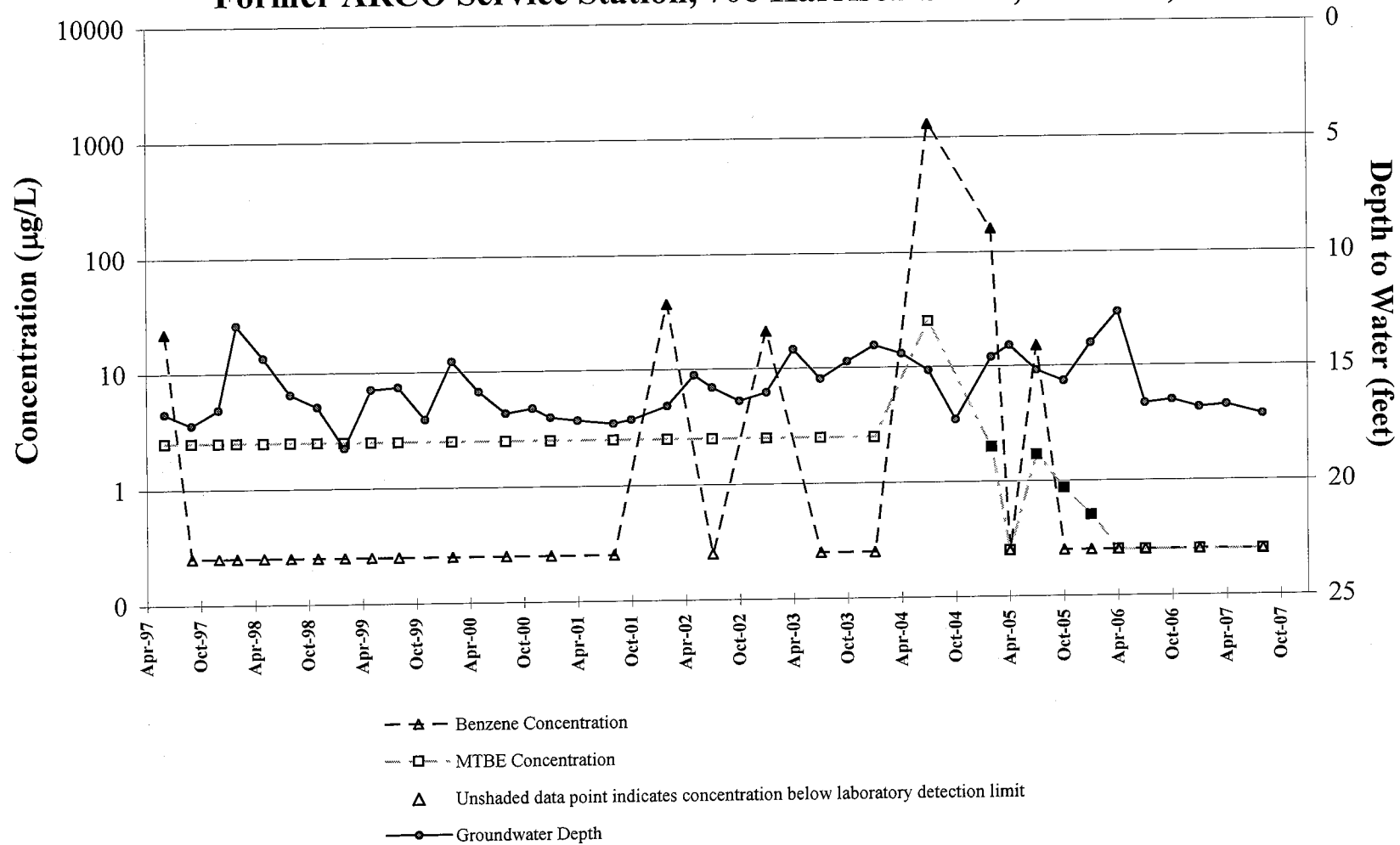
Former ARCO Service Station, 706 Harrison Street, Oakland, CA



Monitoring Well MW-6

Benzene and MTBE Concentration Trends

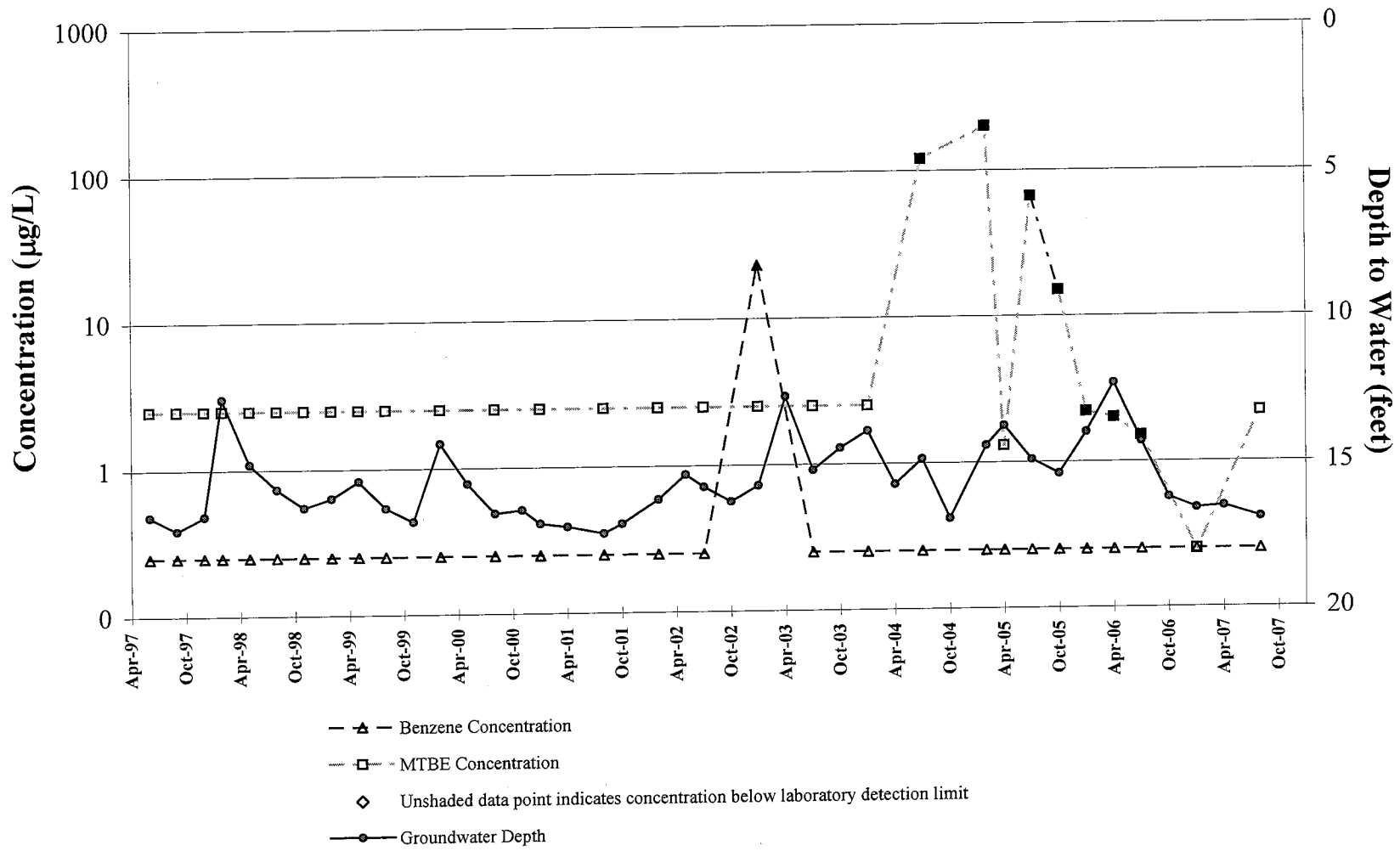
Former ARCO Service Station, 706 Harrison Street, Oakland, CA



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
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	
	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		
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	

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	28.64	16.90	14.71
	10/5/01		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	
	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		
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	29.58	17.32	15.21
	10/5/01		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		

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
	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		

* 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
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

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-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

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-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
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
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.