GROUNDWATER MONITORING REPORT – THIRD QUARTER 2008

FORMER EXXON SERVICE STATION
3055 35th AVENUE
OAKLAND, CALIFORNIA

AGENCY CASE NO. RO0271

Prepared by:
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1.0 INTRODUCTION

On behalf of Golden Empire Properties, Inc., Conestoga-Rovers & Associates, Inc. (CRA) has prepared this *Groundwater Monitoring Report – Third Quarter 2008* for the referenced site (see Figure 1). Presented in the report are the third quarter 2008 activities and anticipated fourth quarter 2008 activities.

Figure 1 is a vicinity map. Figure 2 presents recent monitoring groundwater elevations and selected hydrocarbon data. Table 1 presents well construction details. Table 2 provides recent and historic groundwater level measurements and elevations, and hydrocarbon data. Appendix A contains CRA's standard field procedures. Appendix B contains the laboratory analytical and sample chain-of-custody records. Appendix C contains field sheets. Appendix D is time-series plot with benzene and total petroleum hydrocarbons as gasoline (TPHg) concentrations, and groundwater elevations.

1.1 SITE INFORMATION

Site Address	3055 35th Avenue, Oakland, CA
Site Use	Vacant Lot
Client and Contact	Golden Empire Properties, Inc.
Consultant and Contact Person	Conestoga-Rovers & Associates Mark Jonas, P.G.
Lead Agency and Contact Person	Alameda County Environmental Health Barbara Jakub

2.0 SITE ACTIVITIES AND RESULTS

2.1 CURRENT QUARTER'S ACTIVITIES

2.1.1 MONITORING ACTIVITIES

On September 6, 2008, CRA subcontracted Muskan Environmental Sampling (MES) to perform quarterly monitoring activities. MES gauged and inspected for separate-phase hydrocarbons (SPH) in all monitoring wells (Figure 2). Groundwater samples were collected from wells MW-1 through MW-4, RW-5, and RW-9. Groundwater monitoring field data sheets are presented in Appendix C. The monitoring data was 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, presented in Appendix C.

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.

2.1.2 SAMPLE ANALYSES

Groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) and total petroleum hydrocarbons as diesel (TPHd) with silica gel clean-up by modified EPA Method SW8015C; and for benzene, toluene, ethylbenzene and xylenes (BTEX) and methyl tertiary butyl ether (MTBE) by EPA Method SW8021B. Groundwater samples were also analyzed for tertiary-butyl alcohol (TBA), isopropyl ether (DIPE), ethyl tertiary-butyl ether (ETBE), 1,2-dichloroethane (1,2-DCA), 1,2-dibromomethane (EDB) and tertiary-amyl methyl ether (TAME) by EPA Method 8260B. Prior to TPHd analysis, the laboratory used a modified Zemo & Associates' *Protocol for Gravity Separation of Groundwater Samples to Isolate the Water Phase.*

Groundwater samples were also collected for field measurement of dissolved oxygen (DO) from each of the sampled wells. DO was recorded on field data sheets provided in Appendix C. The laboratory analytical report is presented as Appendix B. The analytical data has been submitted to the GeoTracker database.

2.1.3 CORRECTIVE ACTION ACTIVITIES

No corrective action activities took place during the third quarter 2008.

2.2 CURRENT QUARTER'S RESULTS

Groundwater Flow Direction	West
Hydraulic Gradient	0.01
Range of Measured Water Depth from Top of Casing in Monitoring Wells	15.99 to 20.66 feet
Were Measureable Separate Phase Hydrocarbons Observed	No

2.2.1 GROUNDWATER FLOW DIRECTION

Based on depth to water measurements collected during MES's September 6, 2008 site visit, groundwater beneath the site flows towards the west with a gradient of 0.01 feet/feet (Figure 2). The groundwater gradient is generally consistent with historical static groundwater conditions. Groundwater monitoring data is presented in Table 2.

2.2.2 HYDROCARBON DISTRIBUTION IN GROUNDWATER

Hydrocarbon concentrations were detected in all six sampled wells. TPHg concentrations ranged from 1,100 micrograms per liter (µg/L) to 42,000 µg/L, with the highest concentration detected in well MW-3. Benzene concentrations ranged from 120 µg/L to 5,800 µg/L, with the highest concentration detected in well MW-3. TPHd concentrations ranged from 220 µg/L to 7,900 µg/L, with the highest concentration detected in well MW-3. MTBE was only detected well RW-5 at a concentration of

120 µg/L. No DIPE, ETBE, 1,2-DCA, EDB, or TAME concentrations were detected in any of the wells sampled. Concentrations of TBA were detected in all sampled wells and ranged from 59 µg/L to 410 µg/L. Analytical results are summarized in Table 2 and shown on Figure 2.

2.3 PROPOSED ACTIVITIES FOR NEXT QUARTER

2.3.1 MONITORING ACTIVITIES

During the fourth quarter 2008, CRA will coordinate with MES to gauge the site wells, check the wells for SPH, and collect groundwater samples from monitoring wells MW-1 through MW-4, RW-5, and RW-9. All sampled wells will be field measured for DO. Groundwater samples will be analyzed for TPHg and TPHd with silica gel clean-up by Modified EPA Method SW8015C; and for BTEX and MTBE by EPA Method SW8021B. Prior to TPHd analysis, the laboratory shall also use the Zemo & Associates *Protocol for Gravity Separation of Groundwater Samples to Isolate the Water Phase.* CRA will summarize groundwater monitoring activities and results in the *Groundwater Monitoring Report – Fourth Quarter 2008*.

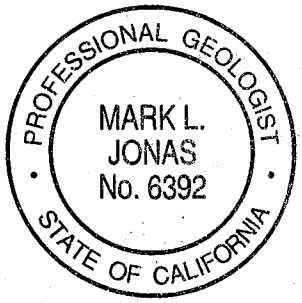
2.3.2 OFFSITE AND ONSITE CHARACTERIZATION

The proposed onsite and offsite subsurface investigation begin the last week of October. We anticipate that Characterization Report will be submitted by December 13, 2008.

All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Michael Werner
Staff Geologist

Mark Jonas, P.G.
Senior Geologist



FIGURES

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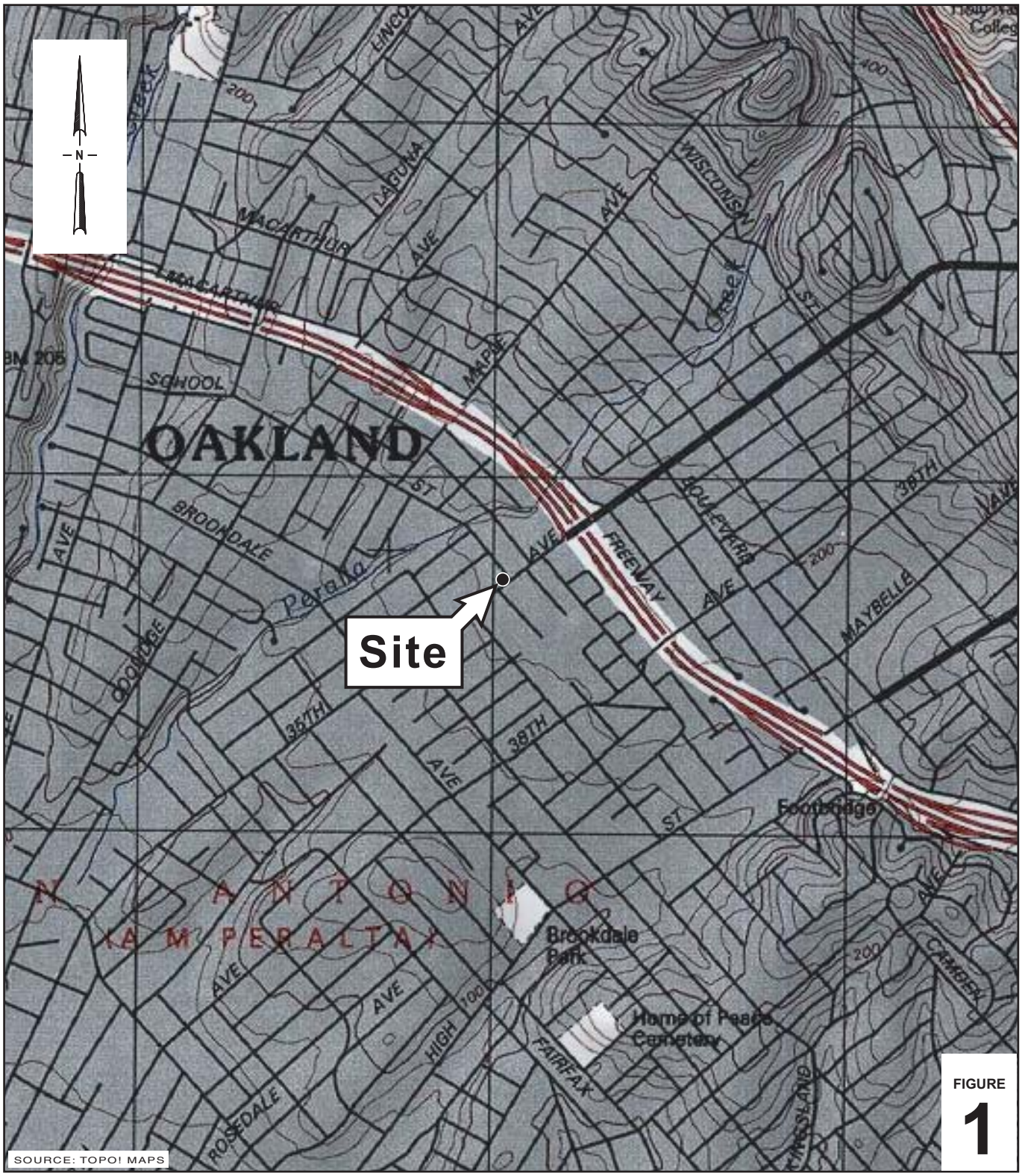

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FIGURE
1

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SCALE : 1" = 1/4 MILE

Former Exxon Station

3035 35th Avenue

Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

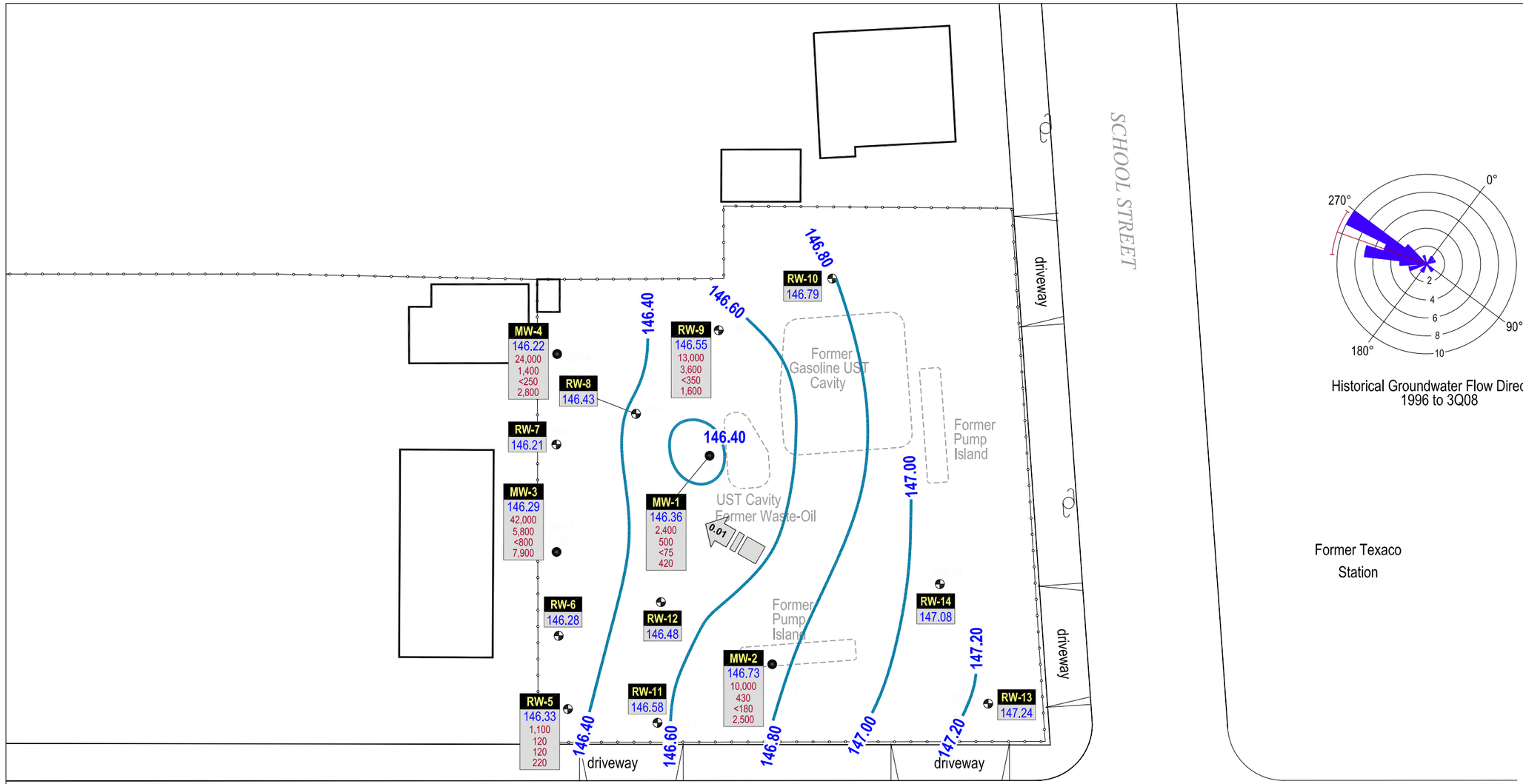

FIGURE 2

GROUNDWATER ELEVATION and HYDROCARBON CONCENTRATION MAP
FORMER EXXON STATION
3055 35th AVENUE
Oakland, California
September 6, 2008

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TABLES

TABLE 1

WELL CONSTRUCTION DETAILS
FORMER EXXON SERVICE STATION
3055 35th AVENUE, 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	May 9, 1994	26.5	NA	4	10 - 25	0.010	9.5 - 25	7.5 - 9.5	0 - 7.5	167.02
MW-2	May 9, 1994	26.5	NA	4	10 - 25	0.010	9.5 - 25	7.5 - 8.5	0 - 7.5	166.14
MW-3	May 9, 1994	26.5	NA	2	10 - 25	0.010	9 - 25	7 - 9 25 - 26.5	0 - 7	162.94
MW-4	Feb. 26, 1997	30.0	NA	2	10 - 30	0.010	8 - 30	7 - 8	0 - 7	163.49
RW-5	Aug. 5, 1998	25.7	NA	4	5 - 25.5	0.010 (?)	4.5 - 25.7	2.5 - 4.5	0 - 2.5	162.34
RW-6	Aug. 5, 1998	25.5	NA	4	5 - 25.5	0.010 (?)	5 - 25.5	2.5 - 5	0 - 2.5	162.36
RW-7	Aug. 5, 1998	29.5	NA	4	5 - 29.5	0.010 (?)	5 - 29.5	3 - 5	0 - 3	162.72
RW-8	Aug. 5, 1998	29.5	NA	4	5 - 29.5	0.010 (?)	5 - 29.5	3 - 5	0 - 3	164.13
RW-9	Aug. 6, 1998	25.0	NA	4	5 - 25	0.010 (?)	5 - 25	3 - 5	0 - 3	163.86
RW-10	Aug. 6, 1998	25.0	NA	4	5 - 25	0.010 (?)	5 - 25	3 - 5	0 - 3	163.02
RW-11	Aug. 6, 1998	25.0	NA	4	5 - 25	0.010 (?)	5 - 25	3 - 5	0 - 3	162.57
RW-12	Aug. 6, 1998	27.0	NA	4	5 - 27	0.010 (?)	5 - 27	3 - 5	0 - 3	163.06
RW-13	Aug. 6, 1998	25.0	NA	4	5 - 25	0.010 (?)	5 - 25	3 - 5	0 - 3	164.34
RW-14	Aug. 6, 1998	25.0	NA	4	5 - 25	0.010 (?)	5 - 25	3 - 5	0 - 3	163.76

Abbreviations / Notes
ft = Feet
in = Inches
ft bgs = Feet below grade surface
ft msl = Feet above mean sea level
TOC = Top of casing

TABLE 1

WELL CONSTRUCTION DETAILS
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

NA = Not available

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID TOC	Date	GW Depth (ft TOC)	SPH (ft)	GW Elev. (ft msl)	Note	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	DPE System Status
MW-1	5/25/1994	16.79	Sheen	84.06		120,000	25,000	<50,000	22,000	17,000	2,800	16,000	---	---	
100.85	7/19/1994	20.77	---	80.08		---	---	---	---	---	---	---	---	---	
	8/18/1994	21.04	Sheen	79.81		925,000	---	---	16,500	6,200	1,000	9,400	---	---	
	11/11/1994	15.80	---	85.05		57,000	---	---	14,000	4,400	1,400	6,400	---	---	
	2/27/1995	15.53	---	85.32		45,000	---	---	2,900	2,500	760	4,100	---	---	
	5/23/1995	15.29	---	85.56		22,000	---	---	9,900	990	790	2,000	---	---	
	8/22/1995	20.90	---	79.95		23,000	---	---	6,900	340	1,200	1,900	---	---	
	11/29/1995	22.19	---	78.66		37,000	---	---	9,900	530	1,600	2,900	---	---	
	2/21/1996	11.69	---	89.16		33,000	4,300	---	10,000	480	1,000	1,800	3,300	---	
	5/21/1996	14.62	---	86.23		36,000	8,500	---	8,500	1,400	1,300	2,800	1,900	---	
	8/22/1996	22.30	---	78.55		41,000	6,200	---	8,600	1,300	1,500	2,900	<200	8.0	
	11/27/1996	17.24	Sheen	83.61		38,000	6,100	---	9,600	950	1,600	3,100	<400	5.6	
	3/20/1997	16.65	---	84.20		33,000	10,000	---	6,100	560	970	2,200	<400	8.5	
	6/25/1997	19.77	---	81.08		31,000	7,400[a]	---	7,400	440	890	1,800	<400	3.7	
	9/17/1997	20.12	---	80.73		32,000[d]	3,500[e]	---	9,100	550	1,000	2,000	<1,000	2.1	
	12/22/1997	12.95	---	87.90		26,000[d]	5,800[e]	---	7,900	370	920	1,500	<790	0.7	
	3/18/1998	12.34	Sheen	88.51		30,000[d]	4,200[e,f]	---	7,800	820	840	2,000	<1,100	1.3	
	7/14/1998	17.34	---	83.51		41,000[d]	8,900[e,f]	---	8,200	1,100	1,200	3,000	<200	1.8	
	9/30/1998	19.90	---	80.95		37,000	3,300	---	11,000	950	1,200	2,800	<20	2.0	
	12/8/1998	15.62	---	85.23		22,000	3,700	---	3,000	1,200	730	3,100	<900	---	
	3/29/1999	11.98	---	88.87		36,000[d]	6,800[e]	---	12,000	750	1,300	2,400	950	0.50	
	6/29/1999	20.77	---	80.08		28,000[d]	3,500[e]	---	7,300	420	810	1,700	<1,300	0.10	
	9/28/1999	19.68	---	81.17		13,000[d]	3,600[e,f]	---	3,200	130	320	1,100	<210	0.55	
	12/10/1999	17.02	---	83.83		25,000[d]	2,900[e,f]	---	5,400	130	620	1,400	<1,000	1.03	
	3/23/2000	12.76	---	88.09		21,000[d]	3,300[f]	---	4,700	140	470	1,100	<350	---	
	9/7/2000	19.45	---	81.40		40,000[d,g]	12,000[e,g]	---	3,700	1,400	910	4,900	<50	0.17	
	12/5/2000	18.60	---	82.25		26,000[a]	3,400[e]	---	7,900	150	580	810	<300	0.35	Not operating
	3/7/2001	16.19	---	84.66		13,000	2,400	---	2,700	43	69	300	<100	0.49	Not operating
	6/6/2001	18.47	---	82.38		19,000	4,000	---	4,500	130	270	430	<400	0.39	Not operating
	8/30/2001	21.70	---	79.15		8,800[a]	1,400[d]	---	2,100	45	91	240	<130	0.27	Operating
	12/7/2001	26.55	---	74.30		8,700[d]	1,900[e,f]	---	1,300	160	38	730	<20	0.59	Operating
	3/11/2002	17.13	---	83.72		9,400[d]	1,400[e]	---	2,100	200	74	470	<20	0.39	Operating
	6/10/2002	24.10	---	76.75		4,200[d]	900[e,k]	---	830	170	110	460	<100	---	Operating

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID TOC	*Date*	*GW Depth* (ft TOC)	*SPH* (ft)	*GW Elev.* (ft msl)	*Note*	*TPHg* (µg/L)	*TPHd* (µg/L)	*TPHmo* (µg/L)	*Benzene* (µg/L)	*Toluene* (µg/L)	*Ethylbenzene* (µg/L)	*Xylenes* (µg/L)	*MTBE* (µg/L)	*DO* (mg/L)	*DPE System Status*
MW-1	9/26/2002	20.30	---	80.55		7,000[d]	1,300[e,f,k]	---	1,300	190	200	760	<100	0.70	Operating
Continued	11/21/2002	21.55	---	79.30		83,000[d,g]	200,000[e,g]	---	7,100	1,700	3,000	13,000	<1,000	0.49	Operating
	1/13/2003	14.80	---	86.05		20,000[d]	5,300[e,f]	---	2,300	480	300	2,100	<500	0.33	Not operating
	4/25/2003	20.90	---	79.95		4,200[d]	320[e]	---	580	81	59	470	<50	---	Operating
	5/30/2003	16.65	---	84.20		---	---	---	---	---	---	---	---	---	Not operating
	9/3/2003	24.16	---	76.69		14,000[d]	36,000[e,f]	---	300	50	33	480	<50	---	Operating
	12/2/2003	24.12	Sheen [Lab]	76.73		7,100[d,g]	9,300[e,f,g]	---	1,400	230	160	820	<100	---	Operating
	3/18/2004	17.70	---	83.15		3,600[d]	1,100[e,f]	---	650	59	38	370	<90	---	Operating
	6/16/2004	19.20	---	147.82		8,100[d]	2,300[e,f]	---	1,500	69	22	1,000	<100	---	Not operating
167.02	9/27/2004	23.07	---	143.95		7,800[d]	1,700[e]	---	1,800	110	120	670	<180	0.28	Not operating
	12/27/2004	17.04	---	149.98		10,000[d]	1,400[e]	---	2,400	170	170	1,500	<120	0.41	Not operating
	3/7/2005	10.73	---	156.29		8,700[d]	1,300[e,f,k]	---	1,200	99	140	770	<500	0.91	Not operating
	6/21/2005	14.60	---	152.42		6,500[d]	930[e,k]	---	820	26	57	110	<250	---	Not operating
	9/21/2005	19.64	---	147.38		2,900[d]	860[e,k,f]	---	430	19	46	150	<50	1.14	Not operating
	12/14/2005	17.63	Sheen [Field]	149.39		6,200[d]	4,000[e,f,k]	---	570	32	72	420	<110	1.08	Not operating
	3/22/2006	10.52	Sheen [Field]	156.50		8,300[d]	1,100[e,f,k]	---	1,700	100	190	660	<150	0.84	Not operating
	6/30/2006	16.33	Sheen [Field]	150.69		2,100[d,l]	1,500[m,k,l]	---	320	6.1	<1.0	77	<90	0.66	Not operating
	9/5/2006	19.96	Sheen [Lab]	147.06		5,500[d,g]	1,500[e,f,k,g]	---	1,000	45	81	310	<120	0.38	Not operating
	12/6/2006	19.92	Sheen [Lab]	147.10		4,500 [d,g]	760 [e,g]	---	440	13	42	190	<60	0.55	Not operating
	3/16/2007	13.62	---	153.40		7,500 [d]	1,800 [e,f]	---	1,400	30	100	270	<150	0.58	Not operating
	6/15/2007	18.07	Sheen [Field]	148.95		5,600 [d]	1,500 [e,k,f]	---	1,200	29	84	190	56	0.74	Not operating
	9/6/2007	20.84	---	146.18		2,800 [d]	690 [e,f]	---	590	17	35	100	<80	0.90	Not operating
	12/8/2007	18.66	Sheen [Field]	148.36		4,500 [d]	520 [e,f]	--	570	13	57	200	<120	1.24	Not operating
	3/9/2008	12.98	Sheen [Field]	154.04	Z	4,600 [d]	470 [e]	<250	1,100	23	82	140	<50	1.17	Not operating
	6/14/2008	18.98	---	148.04	Z	3,800 [d]	410 [e]	<250	690	12	64	240	<80	1.95	Not operating
	9/6/2008	**20.66**	**---**	**146.36**	**Z[TPHd]**	**2,400 [d]**	**420 [e]**	**---**	**500**	**11**	**30**	**67**	**<75**	**1.20**	Not operating
MW-2	5/25/1994	15.65	---	84.35		61,000	6,900	<5,000	9,900	7,400	960	4,600	---	---	
100.00	7/19/1994	19.81	---	80.19		---	---	---	---	---	---	---	---	---	
	8/18/1994	20.37	---	79.63		88,000	---	---	10,750	10,500	1,850	9,600	---	---	
	11/11/94	15.52	---	84.48		54,000	---	---	5,900	6,700	1,300	7,500	---	---	
	2/27/1995	14.46	Sheen	85.54		44,000	---	---	5,100	5,300	930	6,400	---	---	

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID TOC	Date	GW Depth (ft TOC)	SPH (ft)	GW Elev. (ft msl)	Note	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	DPE System Status
MW-2	5/23/1995	14.17	---	85.83		33,000	---	---	8,200	5,600	900	6,600	---	---	
Continued	8/22/1995	19.80	---	80.20		38,000	---	---	6,400	5,000	1,100	5,600	---	---	
	11/29/95	21.05	---	78.95		46,000	---	---	7,100	5,300	1,300	6,000	---	---	
	2/21/1996	10.53	---	89.47		59,000	---	---	8,000	6,000	1,800	8,900	4,500	---	
	5/21/1996	13.47	---	86.53		51,000	3,400	---	8,200	5,200	1,300	6,600	2,400	---	
	8/22/1996	19.12	---	80.88		37,000	5,700	---	5,100	3,500	960	4,500	<200	3.0	
	11/27/1996	16.61	Sheen	83.39		54,000	10,000	---	9,800	7,000	1,800	7,900	<2,000	3.1	
	3/20/1997	15.39	---	84.61		27,000	6,100	---	3,700	2,300	580	2,800	<400	8.1	
	6/25/1997	18.62	---	81.38		42,000	7,800[b]	---	7,400	3,800	1,200	5,700	<200	0.9	
	9/17/1997	19.05	Sheen	80.95		41,000[d]	8,900[e]	---	5,200	3,400	1,300	5,900	<700	1.2	
	12/22/1997	14.09	---	85.91		47,000[d]	6,100[e]	---	8,500	4,600	1,800	8,400	<1,200	1.2	
	3/18/1998	10.83	Sheen	89.17		58,000[d]	7,000[e,f]	---	9,300	6,100	1,800	8,200	<1,100	1.1	
	7/14/1998	16.07	---	83.93		42,000[d]	5,300[e,f]	---	6,000	3,000	1,000	4,800	<200	1.5	
	9/30/1998	18.71	---	81.29		22,000	2,400	---	3,600	1,300	720	3,200	<30	1.8	
	12/8/1998	14.80	---	85.20		32,000	3,100	---	9,200	680	1,100	2,300	<2,000	---	
	3/29/1999	11.81	---	88.19		28,000[d]	7,500[e,f]	---	4,400	1,600	950	4,100	410	1.86	
	6/29/1999	19.54	---	80.46		28,000[d]	3,300[e]	---	3,500	1,100	690	3,100	<1,000	0.41	
	9/28/1999	18.61	---	81.39		15,000[d]	3,400[e,f]	---	1,200	540	230	2,300	<36	1.18	
	12/10/1999	16.53	---	83.47		17,000[d]	2,500[e,f]	---	1,300	780	420	2,700	<40	0.17	
	3/23/2000	13.56	---	86.44		25,000[d]	3,100[i]	---	1,900	1,100	660	3,700	<500	---	
	9/7/2000	18.25	---	81.75		62,000[d,g]	32,000[e,g]	---	5,300	2,300	1,500	8,400	<100	0.39	
	12/5/2000	17.45	---	82.55		60,000[d,g]	87,000[e,f,g]	---	5,100	2,200	1,600	9,000	<200	0.31	Not operating
	3/7/2001	15.68	---	84.32		34,000	3,900	---	1,200	770	620	4,300	<200	0.44	Not operating
	6/6/2001	17.51	---	82.49		110,000	48,000	---	14,000	9,000	1,900	12,000	<950	0.24	Not operating
	8/30/2001	21.00	---	79.00		43,000[a,h]	15,000[d,h]	---	3,100	720	980	5,500	<200	---	Operating
	12/7/2001	24.45	---	75.55		4,100[d]	750[e,f]	---	510	88	8.2	580	<20	0.47	Operating
	3/11/2002	16.95	---	83.05		4,700[d]	590[e]	---	1,200	150	30	310	<50	0.24	Operating
	6/10/2002	18.59	---	81.41		14,000[d]	2,000[e]	---	2,600	710	150	2,000	<800	---	Operating
	9/26/2002	20.39	---	79.61		4,800[d]	660[e]	---	770	200	140	740	<50	0.29	Operating
	11/21/2002	18.75	---	81.25		210,000[d,g]	350,000[e,g]	---	14,000	23,000	4,400	28,000	<1,700	0.43	Operating
	1/13/2003	13.60	Sheen [Lab]	86.40		32,000[d,g]	14,000[e,f,g,k]	---	4,500	1,600	920	3,600	<1000	0.39	Not operating
	4/25/2003	19.05	---	80.95		3,800[d]	310[e]	---	460	78	72	410	310	---	Operating

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID TOC	*Date*	*GW Depth* (ft TOC)	*SPH* (ft)	*GW Elev.* (ft msl)	*Note*	*TPHg* (µg/L)	*TPHd* (µg/L)	*TPHmo* (µg/L)	*Benzene* (µg/L)	*Toluene* (µg/L)	*Ethylbenzene* (µg/L)	*Xylenes* (µg/L)	*MTBE* (µg/L)	*DO* (mg/L)	*DPE System Status*
MW-2	5/30/2003	15.23	---	84.77		---	---	---	---	---	---	---	---	---	Not operating
Continued	9/3/2003	23.57	---	76.43		2,900[d]	2,300[e]	---	240	57	68	380	770	---	Operating
	12/2/2003	23.17	Sheen [Lab]	76.83		2,400[d,g]	3,300[e,f,g]	---	91	20	14	250	890	---	Operating
	3/18/2004	15.78	---	84.22		4,200[d]	870[e,f]	---	730	89	<5.0	480	2,300	---	Operating
166.14	6/16/2004	18.15	---	147.99		15,000[d]	9,800[e,f]	---	800	210	290	1,800	2,000	---	Not operating
(Monument	9/27/2004	27.55**	---	138.59		770[d]	1,000[e,f,k]	---	20	7.9	10	140	1,600	0.79	Operating
Well box)	12/27/2004	16.81	---	149.33		17,000[d]	3,800[e,f]	---	1,300	370	540	3,800	620	0.94	Not operating
	3/7/2005	9.31	Sheen [Field & Lab]	156.83		20,000[d,g]	8,300[e,f,k,g]	---	1,400	330	430	2,600	1,100	0.88	Not operating
	6/21/2005	13.42	Sheen [Lab]	152.72		36,000[d,g]	15,000[e,f,g]	---	1,700	310	460	3,100	1,200	---	Not operating
	9/21/2005	18.50	Sheen [Field]	147.64		4,600[d]	1,100[e,f]	---	370	62	110	740	1,100	0.86	Not operating
	12/14/2005	16.40	Sheen [Field & Lab]	149.74		29,000[d,g]	49,000[e,f,k,g]	---	1,700	260	600	3,700	1,000	0.99	Not operating
	3/22/2006	9.15	Sheen [Lab]	156.99		21,000[d,g]	23,000[e,f,k,g]	---	2,300	200	550	2,800	1,200	0.91	Not operating
	6/30/2006	16.78	Sheen [Field & Lab]	149.36		18,000[d,g]	55,000[e,f,k,g]	---	1,100	71	270	1,400	1,200	0.84	Not operating
	9/5/2006	18.96	Sheen [Lab]	147.18		15,000[d,g]	19,000[e,f,k,g]	---	680	70	260	1,400	<1,000	0.79	Not operating
	12/6/2006	18.01	Sheen [Field & Lab]	148.13		27,000 [d,g]	31,000 [e,f,k,g]	---	1,100	51	420	1,600	<900	0.48	Not operating
	3/16/2007	12.31	Sheen [Field & Lab]	153.83		44,000 [d,g]	49,000 [e,f,k,g]	---	1,800	71	670	2,200	<900	0.52	Not operating
	6/15/2007	17.31	Sheen [Field & lab]	148.83		18,000 [d,g]	21,000 [e,k,f,g]	---	700	22	290	740	<650	0.68	Not operating
	9/6/2007	19.28	Sheen [Field & Lab]	146.86		17,000 [a,h]	8,400 [e,f,g]	---	1,000	53	450	1,100	<700	0.72	Not operating
	12/8/2007	17.72	Sheen [Field & Lab]	148.42		14,000 [d,g]	3,600 [e,f,g]	---	640	13	220	520	<300	0.80	Not operating
	3/9/2008	12.09	Sheen [Field]	154.05	Z	7,900 [d]	3,100 [e]	<250	840	24	280	380	<380	0.68	Not operating
	6/14/2008	18.66	Sheen [Field]	147.48	Z	10,000 [d]	2,500 [e]	<250	520	18	200	370	<350	0.97	Not operating
	9/6/2008	**19.41**	**Sheen [Field & Lab]**	**146.73**	**Z[TPHd]**	**10,000 [d,g]**	**2,500 [e,g]**	**---**	**430**	**17**	**270**	**370**	**<180**	**0.81**	Not operating
MW-3	5/25/1994	13.93	Sheen	82.94		56,000	14,000	<50,000	14,000	14,000	1,300	11,000	---	---	
Continued	7/19/1994	17.04	---	79.83		---	---	---	---	---	---	---	---	---	
96.87	8/18/1994	17.75	---	79.12		116,000	---	---	28,300	26,000	2,400	15,000	---	---	
	11/11/94	17.80	---	79.07		89,000	---	---	1,600	1,900	1,900	14,000	---	---	
	2/27/1995	11.86	Sheen	85.01		250,000	---	---	22,000	26,000	7,800	21,000	---	---	
	5/23/1995	11.60	Sheen	85.27		310,000	---	---	18,000	17,000	4,500	2,800	---	---	
	8/22/1995	17.10	---	79.77		74,000	---	---	14,000	13,000	1,900	11,000	---	---	
	11/29/1995	16.34	---	80.53		220,000	---	---	25,000	25,000	3,500	19,000	---	---	
	2/21/1996	7.92	---	88.95		60,000	---	---	10,000	7,800	1,500	8,800	3,400	---	

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID TOC	*Date*	*GW Depth* (ft TOC)	*SPH* (ft)	*GW Elev.* (ft msl)	*Note*	*TPHg* (µg/L)	*TPHd* (µg/L)	*TPHmo* (µg/L)	*Benzene* (µg/L)	*Toluene* (µg/L)	*Ethylbenzene* (µg/L)	*Xylenes* (µg/L)	*MTBE* (µg/L)	*DO* (mg/L)	*DPE System Status*
MW-3	5/21/1996	10.86	Sheen	86.01		69,000	13,000	---	17,000	9,400	1,700	9,400	2,600	---	
Continued	8/22/1996	16.50	---	80.37		94,000	16,000	---	17,000	15,000	2,100	12,000	330	2.0	
	11/27/1996	13.47	Sheen	83.40		82,000	24,000	---	14,000	13,000	2,400	13,000	<1,000	2.4	
	3/20/1997	12.86	---	84.01		56,000	11,000	---	9,900	6,900	1,300	8,000	3,500	9.0	
	6/25/1997	15.98	---	80.89		49,000	7,700[b]	---	9,700	7,100	1,300	7,000	220	5.8	
	9/17/1997	16.34	Sheen	80.53		78,000[d]	15,000[e]	---	11,000	9,900	1,800	10,000	<1,200	0.7	
	12/22/1997	10.71	Sheen	86.16		49,000[d]	14,000[e]	---	7,300	5,300	1,400	7,500	<1,100	3.1	
	3/18/1998	8.41	Sheen	88.46		120,000[d]	20,000[e,f]	---	21,000	19,000	2,600	15,000	<1,600	1.6	
	7/14/1998	13.51	---	83.36		94,000[d,g]	65,000[e,f,g]	---	18,000	14,000	1,900	11,000	<1,400	1.8	
	9/30/1998	16.14	---	80.73		91,000	9,800	---	17,000	13,000	2,100	12,000	<1300	2.0	
	12/8/1998	11.20	---	85.67		51,000	4,200	---	8,000	6,800	1,400	7,500	<1,100	---	
	3/29/1999	7.95	---	88.92		39,000[d]	4,600[e]	---	8,900	4,400	940	4,500	810	0.56	
	6/29/1999	16.98	---	79.89		71,000[d]	6,900[e]	---	12,000	7,300	1,400	8,400	<1,700	0.19	
	9/28/1999	15.99	---	80.88		60,000[d]	7,800[e]	---	9,400	9,200	1,000	9,900	200	0.53	
	12/10/1999	13.31	---	83.56		53,000[d]	5,300[e,f]	---	8,000	6,400	1,100	8,100	<200	0.48	
	3/23/2000	8.98	---	87.89		77,000[d,g]	11,000[g,j]	---	10,000	9,400	1,600	11,000	<430	---	
	9/7/2000	15.61	---	81.26		100,000[d,g]	19,000[e,f,g]	---	17,000	12,000	1,600	11,000	<500	---	
	12/5/2000	14.80	---	82.07		110,000[d,g]	17,000[e,g]	---	17,000	11,000	1,900	12,000	<750	0.37	Not operating
	3/7/2001	14.27	---	82.60		60,000	13,000	---	7,000	4,600	900	7,100	<350	0.49	Not operating
	6/6/2001	14.88	---	81.99		43,000	12,000	---	3,000	1,000	770	5,200	<400	1.71	Not operating
	8/30/2001	12.43	---	84.44		95,000[a,h]	190,000[d,h]	---	6,900	10,000	2,700	15,000	<250	0.24	Operating
	12/7/2001	24.65	---	72.22		25,000[d]	3,900[e,f]	---	2,500	1,700	64	2,200	<200	0.19	Operating
	3/11/2002	14.69	---	82.18		30,000[d]	2,800[f,e,k]	---	5,000	2,400	190	1,800	<1,300	0.30	Operating
	6/10/2002	22.94	---	73.93		9,000[d]	990[e,k]	---	1,800	1,300	96	1,000	<300	---	Operating
	9/26/2002	18.85	---	78.02		50,000[d,g]	130,000[e,g]	---	3,900	5,400	820	6,600	<500	0.19	Operating
	11/21/2002	17.85	0.05	79.06		37,000[d,g]	120,000[e,g]	---	4,000	660	1,200	5,100	<1,700	0.28	Operating
	1/13/2003	11.43	Sheen [Lab]	85.44		21,000[d,g]	6,300[e,f,g,k]	---	2,400	2,300	390	3,000	<500	0.31	Not operating
	4/25/2003	18.30	---	78.57		12,000[d]	1,200[e]	---	1,800	850	150	1,200	<500	---	Operating
	5/30/2003	13.30	---	83.57		---	---	---	---	---	---	---	---	---	Not operating
	9/3/2003	21.65	---	75.22		8,100[d]	3,300[e]	---	220	170	66	560	<50	---	Operating
	12/2/2003	17.70	Sheen [Lab]	79.17		30,000[d,g]	8,400[e,f,g]	---	2,900	2,100	530	3,600	<500	---	Operating
	3/18/2004	16.49	---	80.38		15,000[d]	2,300[e,f]	---	2,600	990	260	1,700	<300	---	Operating
	6/16/2004	15.40	---	147.54		23,000[d]	8,800[e,f]	---	2,100	1,300	360	2,800	<1,000	---	Operating

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID *TOC*	*Date*	*GW Depth* *(ft TOC)*	*SPH* *(ft)*	*GW Elev.* *(ft msl)*	*Note*	*TPHg* *(µg/L)*	*TPHd* *(µg/L)*	*TPHmo* *(µg/L)*	*Benzene* *(µg/L)*	*Toluene* *(µg/L)*	*Ethylbenzene* *(µg/L)*	*Xylenes* *(µg/L)*	*MTBE* *(µg/L)*	*DO* *(mg/L)*	*DPE System* ***Status***
162.94	9/27/2004	23.65	---	139.29		5,200[d]	1,700[e,f]	---	430	220	100	680	250	0.55	Operating
MW-3	12/27/2004	14.58	Sheen [Lab]	148.36		32,000[d,g]	24,000[e,f,g,k]	---	4,400	2,800	650	4,800	<250	0.71	Not operating
Continued	3/7/2005	6.91	Sheen [Field & Lab]	156.03		50,000[d,g]	14,000[e,f,g]	---	6,100	2,100	1,300	7,400	<500	0.62	Not operating
	6/21/2005	10.79	Sheen [Field & Lab]	152.15		44,000[d,g]	12,000[e,g]	---	4,900	870	1,100	6,500	<1,200	---	Not operating
	9/21/2005	15.73	Sheen [Field & Lab]	147.21		41,000[d,g]	16,000[e,f,k,g]	---	3,700	480	930	5,700	<500	0.90	Not operating
	12/14/2005	13.65	Sheen [Field & Lab]	149.29		53,000[d,g]	19,000[e,f,k,g]	---	4,700	350	1,100	7,400	<1,000	0.95	Not operating
	3/22/2006	8.10	Sheen [Field & Lab]	154.84		45,000[d,g]	15,000[e,f,k,g]	---	4,300	390	1,100	5,300	<1,000	0.88	Not operating
	6/30/2006	14.10	Sheen [Field & Lab]	148.84		44,000[d,g]	15,000[e,f,k,g]	---	4,000	160	550	4,000	<450	0.81	Not operating
	9/5/2006	16.25	Sheen [Field & Lab]	146.69		56,000[d,g]	16,000[e,f,k,g]	---	5,400	300	1,200	6,200	<500	0.55	Not operating
	12/6/2006	15.25	Sheen [Field & Lab]	147.69		44,000 [d,g]	19,000 [e,f,k,g]	---	4,500	110	930	3,600	<500	0.70	Not operating
	3/16/2007	10.25	Sheen [Field & Lab]	152.69		72,000 [d,g]	5,300 [e,f,k,g]	---	6,500	420	1,200	3,900	<1,000	0.61	Not operating
	6/15/2007	14.57	Sheen [Field & Lab]	148.37		56,000 [d,g]	25,000 [e,k,f,g]	---	5,100	200	1,100	3,200	<1000	0.48	Not operating
	9/6/2007	16.55	Sheen [Field & Lab]	146.39		41,000 [d,g]	14,000 [e,f,g]	---	4,400	180	1,000	3,800	<700	0.70	Not operating
	12/8/2007	14.49	Sheen [Field & Lab]	148.45		33,000 [d,g]	4,000 [e,f,g]	---	4,300	120	370	2,200	<250	0.77	Not operating
	3/9/2008	10.40	Sheen [Field]	152.54	Z	23,000 [d]	3,400 [e]	310	4,200	120	650	1,600	<250	0.71	Not operating
	6/14/2008	15.92	Sheen [Field]	147.02	Z	36,000 [d]	4,900 [e]	600	4,700	140	830	1,600	<500	1.05	Not operating
	9/6/2008	**16.65**	**Sheen [Field & Lab]**	**146.29**	**Z[TPHd]**	**42,000 [d,g]**	**7,900 [e,f,g]**	**---**	**5,800**	**190**	**1,100**	**2,400**	**<800**	**1.03**	Not operating
MW-4	3/20/1997	13.75	---	83.59		47,000	3,100	---	11,000	4,500	1,100	5,200	3,400	8.4	
97.34	6/25/1997	16.15	---	81.19		61,000	5,800[b]	---	16,000	6,100	1,500	5,900	780[c]	1.4	
	9/17/1997	17.10	---	80.24		60,000[d]	4,400[e]	---	17,000	4,900	1,500	5,700	<1,500	1.5	
	12/22/1997	9.21	---	88.13		43,000[d]	3,100[e]	---	13,000	3,900	1,100	4,200	<960	3.7	
	3/18/1998	9.54	---	87.80		58,000[d]	5,500[e,f]	---	14,000	4,700	1,400	5,700	<1,200	0.8	
	7/14/1998	14.15	---	83.19		73,000[d]	2,900[e,f]	---	22,000	7,000	1,800	7,300	<200	1.0	
	9/30/1998	16.84	---	80.50		39,000	2,100	---	12,000	2,700	1,000	3,400	510	1.1	
	12/8/1998	13.45	---	83.89		27,000	1,600	---	8,900	1,600	730	2,300	<1,500	---	
	3/29/1999	9.10	---	88.24		48,000[d]	2,400[e,f,h]	---	15,000	3,000	1,300	5,000	1,300	1.32	
	06/29/99*	---	---	---		---	---	---	---	---	---	---	---	---	
	9/28/1999	16.58	---	80.76		24,000[d]	3,200[e,f]	---	7,500	1,200	190	2,200	210	14.29[#]	
	12/10/1999	13.99	---	83.35		47,000[d]	3,100[e,f]	---	12,000	1,800	1,000	4,400	<100	0.62	
	3/23/2000	10.22	---	87.12		40,000[d]	3,100[e,f]	---	11,000	1,600	910	3,100	690	---	
MW-4	9/7/2000	16.40	---	80.94		43,000[d]	5,900[e]	---	10,000	1,100	1,100	3,400	<450	1.04	

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID TOC	Date	GW Depth (ft TOC)	SPH (ft)	GW Elev. (ft msl)	Note	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	DPE System Status
Continued	12/5/2000	15.55	---	81.79		69,000[d,g]	2,600[e,g]	---	16,000	1,300	1,300	3,400	<200	0.35	Not operating
	3/20/2001	14.03	---	83.31		46,000	---	---	13,000	1,000	900	2,800	<350	0.39	Not operating
	6/6/2001	15.49	---	81.85		75,000	5,400	---	22,000	1,800	1,900	6,400	<1,200	2.22	Not operating
	8/30/2001	18.00	---	79.34		43,000[a]	3,200[d]	---	6,400	630	510	2,600	<200	0.32	Operating
	12/7/2001	23.45	---	73.89		32,000[d,g]	11,000[e,f,g]	---	4,500	740	310	2,300	<200	0.21	Operating
	3/11/2002	14.95	---	82.39		15,000[d]	1,600[e,f,k]	---	3,700	500	92	790	<500	0.30	Operating
	6/10/2002	22.30	---	75.04		9,400[d]	3,400[e]	---	1,400	50	<5.0	690	<200	---	Operating
	9/26/2002	17.93	---	79.41		21,000[d]	800[e]	---	3,300	1,300	450	2,900	<500	0.24	Operating
	11/21/2002	17.55	---	79.79		5,700[d]	2,400[e,k]	---	1,400	290	63	640	550	---	Operating
	1/13/2003	11.75	Sheen [Lab]	85.59		35,000[d,g]	15,000[e,f,g,k]	---	5,100	1,500	510	4,500	<800	0.28	Not operating
	4/25/2003	19.37	---	77.97		6,600[d]	2,200[e,f]	---	960	130	100	560	<170	---	Operating
	5/30/2003	13.56	---	83.78		---	---	---	---	---	---	---	---	---	Not operating
	9/3/2003	21.65	---	75.69		29,000[d]	27,000[e,f]	---	2,200	380	280	2,300	65	---	Operating
	12/2/2003	19.17	---	78.17		13,000[d]	5,800[e,f]	---	1,300	180	120	1,900	<250	---	Operating
	3/18/2004	14.92	---	82.42		5,300[d]	1,500[e]	---	1,300	55	37	440	<180	---	Operating
163.49	6/16/2004	16.02	---	147.47		9,100[d]	3,400[e,f]	---	940	96	120	800	<50	---	Not operating
	9/27/2004	19.93	---	143.56		1,300[d]	980[e,f,k]	---	140	10	11	81	<50	0.68	Not operating
	12/27/2004	14.79	Sheen [Lab]	148.70		10,000[d,g]	5,300[e,f,g,k]	---	1,000	99	34	1,600	<50	0.74	Not operating
	3/7/2005	7.81	Sheen [Field & Lab]	155.68		15,000[d,g]	9,300[e,f,g]	---	1,100	140	88	1,900	<100	0.65	Not operating
	6/21/2005	11.82	Sheen [Field & Lab]	151.67		30,000[d,g]	12,000[e,g]	---	3,300	270	250	2,800	<500	---	Not operating
	9/21/2005	16.55	Sheen [Field & Lab]	146.94		12,000[d,g]	15,000[e,f,k,g]	---	540	100	54	1,800	<50	0.89	Not operating
	12/14/2005	14.43	Sheen [Field & Lab]	149.06		5,200[d,g]	9,800[e,f,k,g]	---	710	41	91	540	<50	0.91	Not operating
	3/22/2006	7.52	Sheen [Field & Lab]	155.97		17,000[d,g]	9,300[e,f,k,g]	---	2,000	230	150	1,900	<50	0.80	Not operating
	6/30/2006	15.00	Sheen [Field & Lab]	148.49		18,000[d,g]	19,000[e,f,g]	---	1,400	50	60	1,300	<100	0.85	Not operating
	9/5/2006	16.96	Sheen [Field & Lab]	146.53		30,000[d,g]	9,400[e,f,k,g]	---	1,400	180	110	4,300	<500	0.75	Not operating
	12/6/2006	15.95	Sheen [Field & Lab]	147.54		21,000 [d,g]	22,000 [e,f,g]	---	920	56	73	1,500	<100	0.71	Not operating
	3/16/2007	10.71	Sheen [Field & Lab]	152.78		13,000 [d,g]	2,700 [e,f,k,g]	---	1,400	32	93	740	<100	0.65	Not operating
	6/15/2007	15.43	Sheen [Field & Lab]	148.06		14,000 [d,g]	7,200 [e,g]	---	1,200	46	63	850	<110	0.61	Not operating
	9/6/2007	17.25	Sheen [Field & Lab]	146.24		27,000 [d,g]	8,400 [e,f,k,g]	---	1,500	150	120	4,500	<250	0.55	Not operating
	12/8/2007	15.15	Sheen [Field & Lab]	148.34		7,600 [d,g]	790 [e,f,g]	---	690	27	39	570	<80	0.72	Not operating
	3/9/2008	10.77	Sheen [Field]	152.72	Z	8,100 [d]	3,000 [e]	<250	830	7.7	55	310	<50	0.79	Not operating
MW-4	6/14/2008	16.68	Sheen [Field]	146.81	Z	15,000 [d]	4,200 [e]	<250	1,100	50	86	1,300	<150	1.20	Not operating

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID *TOC*	*Date*	*GW Depth* *(ft TOC)*	*SPH* *(ft)*	*GW Elev.* *(ft msl)*	*Note*	*TPHg* *(µg/L)*	*TPHd* *(µg/L)*	*TPHmo* *(µg/L)*	*Benzene* *(µg/L)*	*Toluene* *(µg/L)*	*Ethylbenzene* *(µg/L)*	*Xylenes* *(µg/L)*	*MTBE* *(µg/L)*	*DO* *(mg/L)*	*DPE System* ***Status***
Continued	**9/6/2008**	**17.27**	**Sheen** Field & Lab	**146.22**	**Z**TPHd	**24,000** d,g	**2,800** e,g	**---**	**1,400**	**65**	**130**	**2,300**	**<250**	**1.28**	Not operating
RW-5	1/13/2003	10.20	---	---		14,000	3,000	---	2,100	750	300	1,800	950	0.17	
162.34	3/18/2003	14.48	---	---		12,000	--	---	2,000	380	190	1,500	830	---	
	6/16/2004	14.73	---	147.61		---	---	---	---	---	---	---	---	---	Not operating
	9/27/2004	25.55	---	136.79		---	---	---	---	---	---	---	---	---	Operating
	12/27/2004	10.45	---	151.89		---	---	---	---	---	---	---	---	---	Not operating
	3/7/2005	4.42	Sheen Field	157.92		7,000d	6,100e,f,k	---	720	63	97	670	<400	0.93	Not operating
	6/21/2005	10.02	Sheen Field	152.32		11,000d	490e	---	1,200	67	68	690	<500	---	Not operating
	9/21/2005	15.07	Sheen Field & Lab	147.27		2,000d,g	2,500e,f,k,g	---	390	16	24	170	1,300	0.99	Not operating
	12/14/2005	12.95	Sheen Field & Lab	149.39		8,900d,g	6,200e,f,k,g	---	1,500	92	180	750	2,300	1.03	Not operating
	3/22/2006	2.55	Sheen Field	159.79		7,400d	2,700e,f,k	---	59	76	20	120	<50	1.10	Not operating
	6/30/2006	13.32	Sheen Field	149.02		3,100d	3,100e,f,k	---	590	15	27	88	410	0.89	Not operating
	9/5/2006	15.55	Sheen Field & Lab	146.79		5,300d,g	3,200e,f,k,g	---	1,000	31	61	230	370	0.81	Not operating
	12/6/2006	14.53	Sheen Field & Lab	147.81		8,500 d,g	5,500 e,f,g	---	1,200	24	91	250	<900	0.79	Not operating
	3/16/2007	8.81	Sheen Field & Lab	153.53		2,400 d,g	2,500 e,f,k,g	---	180	3.3	7.3	10	<17	0.62	Not operating
	6/15/2007	13.84	Sheen Field & Lab	148.50		3,700 d,g	2,000 e,k,f,g	---	730	14	36	80	<150	0.65	Not operating
	9/6/2007	15.85	Sheen Field	146.49		2,500 d	1,000 e,f	---	600	12	24	92	180	0.68	Not operating
	12/8/2007	13.99	Sheen Field	148.35		1,900 d	370 e,f	---	220	4.0	10	38	500	0.74	Not operating
	3/9/2008	8.77	Sheen Field	153.57	Z	1,100 d	90 e	<250	220	5.3	4.9	10	<90	0.92	Not operating
	6/14/2008	15.21	Sheen Field	147.13	Z	1,200 d	190 e	<250	310	5.8	3.5	25	<250	1.73	Not operating
	9/6/2008	**16.01**	Sheen Field	**146.33**	**Z**TPHd	**1,100** d	**220** e	**---**	**120**	**2.6**	**2.2**	**13**	**120**	**1.42**	Not operating
RW-6	3/11/2002	--	---	---		14,000	3,100	---	970	520	170	2,200	<130	---	
162.36	1/13/2003	10.35	---	---		15,000	2,900	---	2,200	1,200	130	2,200	440	0.24	
	3/18/2004	11.47	---	---		8,500	---	---	1,300	260	71	990	1,300	--	
	6/16/2004	14.80	---	147.56		---	---	---	---	---	---	---	---	---	Not operating
	9/27/2004	18.46	---	143.90		---	---	---	---	---	---	---	---	---	Not operating
	12/27/2004	9.82	---	152.54		---	---	---	---	---	---	---	---	---	Not operating
	3/7/2005	6.05	---	156.31		---	---	---	---	---	---	---	---	---	Not operating
	6/21/2005	10.13	---	152.23		---	---	---	---	---	---	---	---	---	Not operating
RW-6	9/21/2005	15.13	---	147.23		---	---	---	---	---	---	---	---	---	Not operating

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID *TOC*	*Date*	*GW Depth* *(ft TOC)*	*SPH* *(ft)*	*GW Elev.* *(ft msl)*	*Note*	*TPHg* *(µg/L)*	*TPHd* *(µg/L)*	*TPHmo* *(µg/L)*	*Benzene* *(µg/L)*	*Toluene* *(µg/L)*	*Ethylbenzene* *(µg/L)*	*Xylenes* *(µg/L)*	*MTBE* *(µg/L)*	*DO* *(mg/L)*	*DPE System Status*
Continued	12/14/2005	13.02	---	149.34		---	---	---	---	---	---	---	---	---	Not operating
	3/22/2006	5.85	---	156.51		---	---	---	---	---	---	---	---	---	Not operating
	6/30/2006	13.44	---	148.92		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2006	15.63	---	146.73		---	---	---	---	---	---	---	---	---	Not operating
	12/6/2006	14.63	---	147.73		---	---	---	---	---	---	---	---	---	Not operating
	3/16/2007	8.89	---	153.47		---	---	---	---	---	---	---	---	---	Not operating
	6/15/2007	13.90	---	148.46		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2007	15.92	---	146.44		---	---	---	---	---	---	---	---	---	Not operating
	12/8/2007	14.21	---	148.15		---	---	---	---	---	---	---	---	---	Not operating
	3/9/2008	8.93	---	153.43		---	---	---	---	---	---	---	---	---	Not operating
	6/14/2008	15.28	---	147.08		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2008	**16.08**	---	**146.28**		---	---	---	---	---	---	---	---	---	Not operating
RW-7	3/11/2002	---	---	---		<50	<50	---	<0.5	<0.5	<0.5	<0.5	<5.0	---	
162.72	1/13/2003	10.95	---	---		<50	67	---	<0.5	<0.5	<0.5	<0.5	<5.0	0.22	
	3/18/2004	15.33	---	---		250	---	---	66	4.8	3.2	10	<15	--	
	6/16/2004	15.22	---	147.50		---	---	---	---	---	---	---	---	---	Not operating
	9/27/2004	18.98	---	143.74		---	---	---	---	---	---	---	---	---	Not operating
	12/27/2004	9.85	---	152.87		---	---	---	---	---	---	---	---	---	Not operating
	3/7/2005	5.82	---	156.90		---	---	---	---	---	---	---	---	---	Not operating
	6/21/2005	10.85	---	151.87		---	---	---	---	---	---	---	---	---	Not operating
	9/21/2005	15.70	---	147.02		---	---	---	---	---	---	---	---	---	Not operating
	12/14/2005	13.58	---	149.14		---	---	---	---	---	---	---	---	---	Not operating
	3/22/2006	5.75	---	156.97		---	---	---	---	---	---	---	---	---	Not operating
	6/30/2006	14.05	---	148.67		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2006	16.12	---	146.60		---	---	---	---	---	---	---	---	---	Not operating
	12/6/2006	15.13	---	147.59		---	---	---	---	---	---	---	---	---	Not operating
	3/16/2007	9.69	---	153.03		---	---	---	---	---	---	---	---	---	Not operating
	6/15/2007	14.54	---	148.18		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2007	16.42	---	146.30		---	---	---	---	---	---	---	---	---	Not operating
	12/8/2007	14.46	---	148.26		---	---	---	---	---	---	---	---	---	Not operating
RW-7	3/9/2008	9.69	---	153.03		---	---	---	---	---	---	---	---	---	Not operating

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID *TOC*	*Date*	*GW Depth* *(ft TOC)*	*SPH* *(ft)*	*GW Elev.* *(ft msl)*	*Note*	*TPHg* *(µg/L)*	*TPHd* *(µg/L)*	*TPHmo* *(µg/L)*	*Benzene* *(µg/L)*	*Toluene* *(µg/L)*	*Ethylbenzene* *(µg/L)*	*Xylenes* *(µg/L)*	*MTBE* *(µg/L)*	*DO* *(mg/L)*	*DPE System* ***Status***
Continued	6/14/2008	15.80	---	146.92		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2008	**16.51**	---	**146.21**		---	---	---	---	---	---	---	---	---	Not operating
RW-8	3/11/2002	---	---	---		1,300	80	---	620	11	15	14	<60	---	
164.13	1/13/2003	12.80	---	---		390	56	---	150	11	4.1	4.1	13	0.31	
	3/18/2004	15.34	---	---		760	---	---	310	9.9	11	16	<25	---	
	6/16/2004	16.41	---	147.72		---	---	---	---	---	---	---	---	---	Not operating
	9/27/2004	19.74	---	144.39		---	---	---	---	---	---	---	---	---	Not operating
	12/27/2004	12.32	---	151.81		---	---	---	---	---	---	---	---	---	Not operating
	3/7/2005	8.10	---	156.03		---	---	---	---	---	---	---	---	---	Not operating
	6/21/2005	12.15	---	151.98		---	---	---	---	---	---	---	---	---	Not operating
	9/21/2005	16.90	---	147.23		---	---	---	---	---	---	---	---	---	Not operating
	12/14/2005	14.80	---	149.33		---	---	---	---	---	---	---	---	---	Not operating
	3/22/2006	7.88	---	156.25		---	---	---	---	---	---	---	---	---	Not operating
	6/30/2006	15.31	---	148.82		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2006	17.38	---	146.75		---	---	---	---	---	---	---	---	---	Not operating
	12/6/2006	16.37	---	147.76		---	---	---	---	---	---	---	---	---	Not operating
	3/16/2007	11.04	---	153.09		---	---	---	---	---	---	---	---	---	Not operating
	6/15/2007	15.81	---	148.32		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2007	17.63	---	146.50		---	---	---	---	---	---	---	---	---	Not operating
	12/8/2007	15.60	---	148.53		---	---	---	---	---	---	---	---	---	Not operating
	3/9/2008	11.05	---	153.08		---	---	---	---	---	---	---	---	---	Not operating
	6/14/2008	17.07	---	147.06		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2008	**17.70**	---	**146.43**		---	---	---	---	---	---	---	---	---	Not operating
RW-9	3/11/2002	---	---	---		12,000	880	---	3,400	230	78	1,300	<240	---	
163.86	1/13/2003	11.85	---	---		23,000	2,000	---	7,700	610	310	310	<500	0.39	
	3/18/2004	13.69	---	---		2,300	---	---	770	32	15	200	<50	---	
	6/16/2004	16.03	---	147.83		---	---	---	---	---	---	---	---	---	Not operating
	9/27/2004	19.83	---	144.03		---	---	---	---	---	---	---	---	---	Not operating
RW-9	12/27/2004	24.88	---	138.98		---	---	---	---	---	---	---	---	---	Not operating
Continued	3/7/2005	7.87	---	155.99		9,000[d]	510[e]	---	2,600	69	200	550	<500	0.91	Not operating

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID TOC	Date	GW Depth (ft TOC)	SPH (ft)	GW Elev. (ft msl)	Note	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	DPE System Status
	6/21/2005	11.90	---	151.96		9,400[d]	630[e]	---	2,400	69	210	470	<350	---	Not operating
	9/21/2005	16.62	Sheen [Lab]	147.24		8,300[d,g]	820[e,f,g]	---	2,500	36	190	310	<170	1.04	Not operating
	12/14/2005	14.52	---	149.34		6,300[d]	1,100[e,f]	---	1,900	29	150	260	<50	0.98	Not operating
	3/22/2006	7.63	---	156.23		7,600[d]	680[e]	---	2,900	59	190	310	<200	0.95	Not operating
	6/30/2006	15.04	---	148.82		14,000[d]	1,400[e]	---	3,100	53	130	260	<300	0.73	Not operating
	9/5/2006	17.02	---	146.84		14,000[d]	1,100[e]	---	3,900	39	200	230	<330	0.69	Not operating
	12/6/2006	16.04	Sheen [Lab]	147.82		13,000 [d,g]	660 [e,g]	---	3,000	29	180	260	<250	0.74	Not operating
	3/16/2007	10.83	Sheen [Lab]	153.03		16,000 [d,g]	1,200 [e]	---	3,700	76	230	340	<350	0.71	Not operating
	6/15/2007	15.48	---	148.38		12,000 [d]	670 [e]	---	3,000	44	170	220	<250	0.68	Not operating
	9/6/2007	17.29	Sheen [Field & Lab]	146.57		13,000 [d,g]	2,200 [e,f,g]	---	2,700	61	240	350	<400	0.66	Not operating
	12/8/2007	15.22	Sheen [Field]	148.64		9,300 [d]	1,000 [e,f]	---	2,900	24	150	170	<250	0.89	Not operating
	3/9/2008	10.86	---	153.00	Z	10,000 [d]	570 [e]	<250	4,200	71	180	380	<35	0.86	Not operating
	6/14/2008	16.71	---	147.15	Z	8,100 d	610	<250	2,800	33	100	220	<210	1.29	Not operating
	9/6/2008	**17.31**	**Sheen [Lab]**	**146.55**	**Z[TPHd]**	**13,000 [d,g]**	**1,600 [e,g]**	**---**	**3,600**	**52**	**170**	**220**	**<350**	**1.22**	Not operating
RW-10	3/11/2002	---	---	---		12,000	740	---	3,900	150	110	1,100	<270	---	
163.02	1/13/2003	10.75	---	---		4,300	330	---	1,500	43	98	98	<100	0.41	
	3/18/2004	13.13	---	---		5,800	---	---	2,400	11	<10	110	<300	---	
	6/16/2004	15.03	---	147.99		---	---	---	---	---	---	---	---	---	Not operating
	9/27/2004	18.35	---	144.67		---	---	---	---	---	---	---	---	---	Not operating
	12/27/2004	19.39	---	143.63		---	---	---	---	---	---	---	---	---	Not operating
	3/7/2005	6.40	---	156.62		---	---	---	---	---	---	---	---	---	Not operating
	6/21/2005	10.95	---	152.07		---	---	---	---	---	---	---	---	---	Not operating
	9/21/2005	15.51	---	147.51		---	---	---	---	---	---	---	---	---	Not operating
	12/14/2005	13.37	---	149.65		---	---	---	---	---	---	---	---	---	Not operating
	3/22/2006	6.53	---	156.49		---	---	---	---	---	---	---	---	---	Not operating
	6/30/2006	14.13	---	148.89		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2006	15.98	---	147.04		---	---	---	---	---	---	---	---	---	Not operating
	12/6/2006	15.02	---	148.00		---	---	---	---	---	---	---	---	---	Not operating
	3/16/2007	9.91	---	153.11		---	---	---	---	---	---	---	---	---	Not operating
RW-10	6/15/2007	14.52	---	148.50		---	---	---	---	---	---	---	---	---	Not operating
Continued	9/6/2007	16.23	---	146.79		---	---	---	---	---	---	---	---	---	Not operating

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID *TOC*	*Date*	*GW Depth* *(ft TOC)*	*SPH* *(ft)*	*GW Elev.* *(ft msl)*	*Note*	*TPHg* *(µg/L)*	*TPHd* *(µg/L)*	*TPHmo* *(µg/L)*	*Benzene* *(µg/L)*	*Toluene* *(µg/L)*	*Ethylbenzene* *(µg/L)*	*Xylenes* *(µg/L)*	*MTBE* *(µg/L)*	*DO* *(mg/L)*	*DPE System Status*
	12/8/2007	14.23	---	148.79		---	---	---	---	---	---	---	---	---	Not operating
	3/9/2008	9.96	---	153.06		---	---	---	---	---	---	---	---	---	Not operating
	6/14/2008	15.64	---	147.38		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2008	**16.23**	---	**146.79**		---	---	---	---	---	---	---	---	---	Not operating
RW-11	3/11/2002	---	---	---		260	<50	---	34	5.3	8.1	48	<5.0	---	
162.57	1/13/2003	9.80	---	---		5,300	2,700	---	490	110	120	120	180	0.24	
	3/18/2004	12.45	---	---		9,300	---	---	980	120	180	770	2,000	---	
	6/16/2004	14.75	---	147.82		---	---	---	---	---	---	---	---	---	Not operating
	9/27/2004	18.44	---	144.13		---	---	---	---	---	---	---	---	---	Not operating
	12/27/2004	10.07	---	152.50		---	---	---	---	---	---	---	---	---	Not operating
	3/7/2005	5.95	---	156.62		---	---	---	---	---	---	---	---	---	Not operating
	6/21/2005	9.96	---	152.61		---	---	---	---	---	---	---	---	---	Not operating
	9/21/2005	15.09	---	147.48		---	---	---	---	---	---	---	---	---	Not operating
	12/14/2005	12.96	---	149.61		---	---	---	---	---	---	---	---	---	Not operating
	3/22/2006	5.70	---	156.87		---	---	---	---	---	---	---	---	---	Not operating
	6/30/2006	13.36	---	149.21		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2006	15.56	---	147.01		---	---	---	---	---	---	---	---	---	Not operating
	12/6/2006	14.55	---	148.02		---	---	---	---	---	---	---	---	---	Not operating
	3/16/2007	8.85	---	153.72		---	---	---	---	---	---	---	---	---	Not operating
	6/15/2007	13.90	---	148.67		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2007	15.84	---	146.73		---	---	---	---	---	---	---	---	---	Not operating
	12/8/2007	13.83	---	148.74		---	---	---	---	---	---	---	---	---	Not operating
	3/9/2008	8.81	---	153.76		---	---	---	---	---	---	---	---	---	Not operating
	6/14/2008	15.26	---	147.31		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2008	**15.99**	---	**146.58**		---	---	---	---	---	---	---	---	---	Not operating
RW-12	3/11/2002	---	---	---		13,000	900	---	4,500	130	130	270	<5.0	---	
163.06	1/13/2003	10.90	---	---		4,100	1,800	---	1,000	130	99	99	<100	0.21	
	3/18/2004	13.63	---	---		17,000	---	---	2,700	960	230	1,500	1,400	---	
RW-12	6/16/2004	15.30	---	147.76		---	---	---	---	---	---	---	---	---	Not operating
Continued	9/27/2004	19.09	---	143.97		---	---	---	---	---	---	---	---	---	Not operating

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID *TOC*	*Date*	*GW Depth* *(ft TOC)*	*SPH* *(ft)*	*GW Elev.* *(ft msl)*	*Note*	*TPHg* *(µg/L)*	*TPHd* *(µg/L)*	*TPHmo* *(µg/L)*	*Benzene* *(µg/L)*	*Toluene* *(µg/L)*	*Ethylbenzene* *(µg/L)*	*Xylenes* *(µg/L)*	*MTBE* *(µg/L)*	*DO* *(mg/L)*	*DPE System* ***Status***
	12/27/2004	10.85	---	152.21		---	---	---	---	---	---	---	---	---	Not operating
	3/7/2005	6.59	---	156.47		---	---	---	---	---	---	---	---	---	Not operating
	6/21/2005	10.58	---	152.48		---	---	---	---	---	---	---	---	---	Not operating
	9/21/2005	15.63	---	147.43		---	---	---	---	---	---	---	---	---	Not operating
	12/14/2005	13.43	---	149.63		---	---	---	---	---	---	---	---	---	Not operating
	3/22/2006	6.35	---	156.71		---	---	---	---	---	---	---	---	---	Not operating
	6/30/2006	13.95	---	149.11		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2006	16.11	---	146.95		---	---	---	---	---	---	---	---	---	Not operating
	12/6/2006	15.11	---	147.95		---	---	---	---	---	---	---	---	---	Not operating
	3/16/2007	9.52	---	153.54		---	---	---	---	---	---	---	---	---	Not operating
	6/15/2007	14.44	---	148.62		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2007	16.42	---	146.64		---	---	---	---	---	---	---	---	---	Not operating
	12/8/2007	14.87	---	148.19		---	---	---	---	---	---	---	---	---	Not operating
	3/9/2008	9.43	---	153.63		---	---	---	---	---	---	---	---	---	Not operating
	6/14/2008	15.74	---	147.32		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2008	**16.58**	---	**146.48**		---	---	---	---	---	---	---	---	---	Not operating
RW-13	3/11/2002	---	---	---		830	79	---	190	13	13	34	<5.0	---	
164.34	1/13/2003	11.20	---	---		210	92	---	54	2.0	2.7	2.7	<5.0	0.35	
	3/18/2004	13.45	---	---		150	---	---	47	1.0	2.1	1.5	<5.0	---	
	6/16/2004	15.83	---	148.51		---	---	---	---	---	---	---	---	---	Not operating
	9/27/2004	19.55	---	144.79		---	---	---	---	---	---	---	---	---	Not operating
	12/27/2004	18.12	---	146.22		---	---	---	---	---	---	---	---	---	Not operating
	3/7/2005	6.90	---	157.44		---	---	---	---	---	---	---	---	---	Not operating
	6/21/2005	11.05	---	153.29		---	---	---	---	---	---	---	---	---	Not operating
	9/21/2005	16.20	---	148.14		---	---	---	---	---	---	---	---	---	Not operating
	12/14/2005	14.11	---	150.23		---	---	---	---	---	---	---	---	---	Not operating
	3/22/2006	6.65	---	157.69		---	---	---	---	---	---	---	---	---	Not operating
	6/30/2006	14.44	---	149.90		---	---	---	---	---	---	---	---	---	Not operating
RW-13	9/5/2006	16.62	---	147.72		---	---	---	---	---	---	---	---	---	Not operating
Continued	12/6/2006	15.70	---	148.64		---	---	---	---	---	---	---	---	---	Not operating

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID *TOC*	*Date*	*GW Depth* *(ft TOC)*	*SPH* *(ft)*	*GW Elev.* *(ft msl)*	*Note*	*TPHg* *(µg/L)*	*TPHd* *(µg/L)*	*TPHmo* *(µg/L)*	*Benzene* *(µg/L)*	*Toluene* *(µg/L)*	*Ethylbenzene* *(µg/L)*	*Xylenes* *(µg/L)*	*MTBE* *(µg/L)*	*DO* *(mg/L)*	*DPE System Status*
	3/16/2007	9.93	---	154.41		---	---	---	---	---	---	---	---	---	Not operating
	6/15/2007	14.98	---	149.36		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2007	16.95	---	147.39		---	---	---	---	---	---	---	---	---	Not operating
	12/8/2007	14.97	---	149.37		---	---	---	---	---	---	---	---	---	Not operating
	3/9/2008	9.85	---	154.49		---	---	---	---	---	---	---	---	---	Not operating
	6/14/2008	16.32	---	148.02		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2008	**17.10**	---	**147.24**		---	---	---	---	---	---	---	---	---	Not operating
RW-14	3/11/2002	---	---	---		270	82	---	44	0.99	<0.5	4.2	<5.0	---	
163.76	1/13/2003	11.00	---	---		3700	6800	---	230	77	91	91	<50	0.38	
	3/18/2004	12.81	---	---		220	---	---	42	1.4	0.99	5.2	<5.0	---	
	6/16/2004	15.41	---	148.35		---	---	---	---	---	---	---	---	---	Not operating
	9/27/2004	19.20	---	144.56		---	---	---	---	---	---	---	---	---	Not operating
	12/27/2004	12.62	---	151.14		---	---	---	---	---	---	---	---	---	Not operating
	3/7/2005	6.61	---	157.15		---	---	---	---	---	---	---	---	---	Not operating
	6/21/2005	10.80	---	152.96		---	---	---	---	---	---	---	---	---	Not operating
	9/21/2005	15.82	---	147.94		---	---	---	---	---	---	---	---	---	Not operating
	12/14/2005	13.73	---	150.03		---	---	---	---	---	---	---	---	---	Not operating
	3/22/2006	6.43	---	157.33		---	---	---	---	---	---	---	---	---	Not operating
	6/30/2006	14.10	---	149.66		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2006	16.21	---	147.55		---	---	---	---	---	---	---	---	---	Not operating
	12/6/2006	15.31	---	148.45		---	---	---	---	---	---	---	---	---	Not operating
	3/16/2007	9.66	---	154.10		---	---	---	---	---	---	---	---	---	Not operating
	6/15/2007	14.61	---	149.15		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2007	16.54	---	147.22		---	---	---	---	---	---	---	---	---	Not operating
	12/8/2007	14.57	---	149.19		---	---	---	---	---	---	---	---	---	Not operating
	3/9/2008	9.60	---	154.16		---	---	---	---	---	---	---	---	---	Not operating
	06/14/08	15.90	---	147.86		---	---	---	---	---	---	---	---	---	Not operating
	09/06/08	**16.68**	**---**	**147.08**		---	---	---	---	---	---	---	---	---	Not operating

Methods and Abbreviations:

Notes:

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID	*Date*	*GW Depth*	*SPH*	*GW Elev.*	*Note*	*TPHg*	*TPHd*	*TPHmo*	*Benzene*	*Toluene*	*Ethylbenzene*	*Xylenes*	*MTBE*	*DO*	*DPE System*
TOC		*(ft TOC)*	*(ft)*	*(ft msl)*		*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(mg/L)*	***Status***

TOC = Top of casing elevation measured in feet relative to surveyor's datum.

All site wells were re-surveyed by Virgil Chavez Land Surveying on June 2, 2004 to the CA State Coordinate System, Zone III (NAD83). Benchmark elevation = 177.397 feet (NGVD 29)

TOC GW Depth = Groundwater depth measured in feet below TOC.

GW Elev. = Groundwater elevation measured in feet above mean sea level.

ft = Measured in feet

SPH = Separate-phase hydrocarbons depth measured from TOC.

Z = Laboratory used Zemo Gravity Separtation Protocol for Extractables & Purgeables

Z^{TPHd} = Laboratory used Zemo Gravity Separtation Protocol for Extractables (TPHd)

TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method SW8015C

TPHd = Total petroleum hydrocarbons as diesel by modified EPA Method SW8015C

TPHmo = Total petroleum hydrocarbons as motor oil by modified EPA Method SW8015C

Benzene, Toluene, Ethylbenzene, and Xylenes by EPA Method SW8021B

MTBE = Methyl tertiary-butyl ether by EPA Method SW8021B

DO = Dissolved oxygen

mg/L = Micrograms per liter, equivalent to parts per billion in water

mg/L = Milligrams per liter, equivalent to parts per million in water

DPE = Dual-phase extraction remediation

Sheen = A sheen was observed on the water's surface.

Field = Observed in field

Lab = Observed in analytical laboratory

a = Result has an atypical pattern for diesel analysis

b = Result appears to be a lighter hydrocarbon than diesel

c = There is a >40% difference between primary and confirmation analysis

d = Unmodified or weakly modified gasoline is significant

e = Gasoline range compounds are significant

f = Diesel range compounds are significant; no recognizable pattern

g = Lighter than water immiscible sheen/product is present

h = One to a few isolated peaks present

i = Medium boiling point pattern does not match diesel (stoddard solvent)

j = Aged diesel is significant

k = Oil range compounds are significant

l = Liquid sample that contains greater than ~1 vol. % sediment

m = Stoddard solvent/mineral spirit

* = Well inaccessible during site visit

** = No water in well due to system operating in well, value reflects total well depth.

= abnormally high reading due to added hydrogen peroxide

--- = Not sampled; not analyzed ; not applicable; or no SPH measured or observed

APPENDIX A

STANDARD FIELD PROCEDURES FOR GROUNDWATER MONITORING AND SAMPLING

Conestoga-Rovers & Associates

STANDARD FIELD PROCEDURES FOR GROUNDWATER MONITORING AND SAMPLING

This document presents standard field methods for groundwater monitoring, purging and sampling, and well development. These procedures are designed to comply with Federal, State and local regulatory guidelines. CRA's specific field procedures are summarized below.

Groundwater Elevation Monitoring

Prior to performing monitoring activities, the historical monitoring and analytical data of each monitoring well shall be reviewed to determine if any of the wells are likely to contain non-aqueous phase liquid (NAPL) and to determine the order in which the wells will be monitored (i.e. cleanest to dirtiest). Groundwater monitoring should not be performed when the potential exists for surface water to enter the well (i.e. flooding during a rainstorm).

Prior to monitoring, each well shall be opened and the well cap removed to allow water levels to stabilize and equilibrate. The condition of the well box and well cap shall be observed and recommended repairs noted. Any surface water that may have entered and flooded the well box should be evacuated prior to removing the well cap. In wells with no history of NAPL, the static water level and total well depth shall be measured to the nearest 0.01 foot with an electronic water level meter. Wells with the highest contaminant concentrations shall be measured last. In wells with a history of NAPL, the NAPL level/thickness and static water level shall be measured to the nearest 0.01 foot using an electronic interface probe. The water level meter and/or interface probe shall be thoroughly cleaned and decontaminated at the beginning of the monitoring event and between each well. Monitoring equipment shall be washed using soapy water consisting of Liqui-nox™ or Alconox™ followed by one rinse of clean tap water and then two rinses of distilled water.

Groundwater Purging and Sampling

Prior to groundwater purging and sampling, the historical analytical data of each monitoring well shall be reviewed to determine the order in which the wells should be purged and sampled (i.e. cleanest to dirtiest). No purging or groundwater sampling shall be performed on wells with a measurable thickness of NAPL or floating NAPL globules. If a sheen is observed, the well should be purged and a groundwater sample collected only if no NAPL is present. Wells shall be purged either by hand using a disposal or PVC bailer or by using an aboveground pump (e.g. peristaltic or Wattera™) or down-hole pump (e.g. Grundfos™ or DC Purger pump).

Groundwater wells shall be purged approximately three to ten well-casing volumes (depending on the regulatory agency requirements) or until groundwater parameters of temperature, pH, and conductivity have stabilized to within 10% for three consecutive readings. Temperature, pH, and conductivity shall be measured and recorded at least once per well casing volume removed. The total volume of groundwater removed shall be recorded along with any other notable physical characteristic such as color and odor. If required, field parameters such as turbidity, dissolved oxygen (DO), and oxidation-reduction potential (ORP) shall also be measured prior to collection of each groundwater sample.

Groundwater samples shall be collected after the well has been purged. If the well is slow to recharge, a sample shall be collected after the water column is allowed to recharge to 80% of the pre-purging static water level. If the well does not recover to 80% in 2 hours, a sample shall be collected once there is enough groundwater in the well. Groundwater samples shall be collected using clean disposable bailers or pumps (if an operating remediation system exists on site and the project manager approves of its use for sampling) and shall be decanted into clean containers

supplied by the analytical laboratory. New latex gloves and disposable tubing or bailers shall be used for sampling each well. If a PVC bailer or down-hole pump is used for groundwater purging, it shall be decontaminated before purging each well by using soapy water consisting of Liqui-nox™ or Alconox™ followed by one rinse of clean tap water and then two rinses of distilled water. If a submersible pump with non-dedicated discharge tubing is used for groundwater purging, both the inside and outside of pump and discharge tubing shall be decontaminated as described above.

Sample Handling

Except for samples that will be tested in the field, or that require special handling or preservation, samples shall be stored in coolers chilled to 4° C for shipment to the analytical laboratory. Samples shall be labeled, placed in protective foam sleeves or bubble wrap as needed, stored on crushed ice at or below 4° C, and submitted under chain-of-custody (COC) to the laboratory. The laboratory shall be notified of the sample shipment schedule and arrival time. Samples shall be shipped to the laboratory within a time frame to allow for extraction and analysis to be performed within the standard sample holding times.

Sample labels shall be filled out using indelible ink and must contain the site name; field identification number; the date, time, and location of sample collection; notation of the type of sample; identification of preservatives used; remarks; and the signature of the sampler. Field identification must be sufficient to allow easy cross-reference with the field datasheet.

All samples submitted to the laboratory shall be accompanied by a COC record to ensure adequate documentation. A copy of the COC shall be retained in the project file. Information on the COC shall consist of the project name and number; project location; sample numbers; sampler/recorder's signature; date and time of collection of each sample; sample type; analyses requested; name of person receiving the sample; and date of receipt of sample.

Laboratory-supplied trip blanks shall accompany the samples and be analyzed to check for cross-contamination, if requested by the project manager.

Waste Handling and Disposal

Groundwater extracted during sampling shall be stored onsite in sealed U.S. DOT H17 55-gallon drums and shall be labeled with the contents, date of generation, generator identification, and consultant contact. Extracted groundwater may be disposed offsite by a licensed waste handler or may be treated and discharged via an operating onsite groundwater extraction/treatment system.

APPENDIX B

CERTIFIED ANALYTICAL REPORTS AND CHIAIN OF CUSTODY DOCUMENTATION

McCampbell Analytical, Inc.
"When Quality Counts"

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

Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #130105; Golden Empire Properties	Date Sampled: 09/06/08
		Date Received: 09/09/08
	Client Contact: Mark Jonas	Date Reported: 09/16/08
	Client P.O.:	Date Completed: 09/16/08

WorkOrder: 0809236

September 16, 2008

Dear Mark:

Enclosed within are:

1) The results of the **6** analyzed samples from your project: **#130105; Golden Empire Properties,**
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

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

McCAMPBELL ANALYTICAL, INC.

534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701 0809236
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: Mark Jonas Bill To: Conestoga-Rovers & Associates

Company: Conestoga-Rovers & Associates
5900 Hollis St., Ste A
Emeryville, CA

E-Mail: mjonas@crawworld.com

Tele: (510) 420-3307 Fax: (510) 420-9170

Project #: 130105 Project Name: Golden Empire Properties

Project Location: 3055 35th Ave., Oakland, CA

Sampler Signature: Muskan Environmental Sampling

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015) with silica gel cleanup	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (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)	TAME, DIPE, ETBE, TBA, EDB, EDC by 8260B	Zemo protocol for extractables being analyzed
MW-1		9-6-08	5:50	5	VOA Amb	X					X	X			X	X															X	
MW-2			6:40																													
MW-3			6:10																													
MW-4			6:00																													
RW-5			6:20																													
RW-9		X	5:40	X	X	X					X	X			X	X															X	X

Relinquished By:	Date:	Time:	Received By:
	9/9/08	1416	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° 0.8
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

	VOAS	O&G	METALS	OTHER
PRESERVATION	✓		pH<2	

COMMENTS: Attached: Zemo Protocol for extractables being analyzed

Filter Samples for Metals analysis: Yes / No

Zemo & Associates LLC
986 Wander Way
Incline Village, NV 89451
Tel/Fax: 775-831-6179
dazemo@zemoassociates.com

Protocol for Gravity Separation of Groundwater Samples to Isolate the Water Phase

Groundwater samples may contain non-dissolved petroleum resulting from entrained sheen and/or entrained petroleum-affected soil particles. The objective of this procedure is to separate the oil phase and the particulate matter solid phase from the water phase prior to extraction and analysis of the sample. In this way, the analysis will better represent the true dissolved-phase of the sample. The success of this procedure depends on many factors, including adequate time for separation, and complete exclusion of the oil and particulate matter phases from the collected water phase.

For groundwater samples to be analyzed for semi-volatiles (e.g., extractable TPH, PAHs):

1. Pour the raw groundwater sample into a glass separatory funnel of adequate volume.
2. Allow the sample to separate and equilibrate for a minimum of 48 hours. Keep the sample refrigerated during the separation period.
3. After the separation period, the analyst will observe the sample to confirm that the water phase is visually clear. If the water is not visually clear, additional separation time may be required.
4. Open the bottom stopcock of the funnel and allow all of the particulate matter that collected at the bottom to run completely through; discard.
5. Collect an adequate sample volume of the water phase from the bottom of the funnel without including any of the oil phase and place into appropriate containers.
6. Add surrogates to water phase sample and extract as per requested method.

For groundwater samples to be analyzed for volatiles (e.g., purgeable TPH, BTEX, etc.):

1. Store the 40-ml VOA vials upside-down in the refrigerator for a minimum of 48 hours.
2. After the separation period, the vials must remain in the upside-down position while the septum is punctured by the hypodermic needle and the water phase is subsampled. The analyst should keep the needle tip within the water phase and must avoid both the solid and oil phases with the needle tip during subsampling.

3/10/08 5:05pm
6/16/08 1405

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0809236 **ClientCode: CETE**

☐ WriteOn ☑ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Mark Jonas
Conestoga-Rovers & Associates
5900 Hollis St, Suite A
Emeryville, CA 94608
(510) 420-0700 FAX (510) 420-9170

Email: mjonas@CRAworld.com
cc:
PO:
ProjectNo: #130105; Golden Empire Properties

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

Requested TAT: 5 days

Date Received: **09/09/2008**
Date Printed: **09/09/2008**

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
0809236-001	MW-1	Water	9/6/2008 5:50	☐	C	A	A	B								
0809236-002	MW-2	Water	9/6/2008 6:40	☐	C	A		B								
0809236-003	MW-3	Water	9/6/2008 6:10	☐	C	A		B								
0809236-004	MW-4	Water	9/6/2008 6:00	☐	C	A		B								
0809236-005	RW-5	Water	9/6/2008 6:20	☐	C	A		B								
0809236-006	RW-9	Water	9/6/2008 5:40	☐	C	A		B								

Test Legend:

1	5-OXYS+PBSCV_W	2	G-MBTEX_W	3	PREDF REPORT	4	TPH(DMO)-DZ-MAIWSG_W	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.

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Sample Receipt Checklist

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

Date and Time Received: **09/09/08 3:21:06 PM**

Project Name: **#130105; Golden Empire Properties**

Checklist completed and reviewed by: Maria Venegas

WorkOrder N°: **0809236** 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: 0.8°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 ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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Conestoga-Rovers & Associates	Client Project ID: #130105; Golden Empire Properties	Date Sampled: 09/06/08
		Date Received: 09/09/08
5900 Hollis St, Suite A	Client Contact: Mark Jonas	Date Extracted: 09/12/08
Emeryville, CA 94608	Client P.O.:	Date Analyzed 09/12/08

Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0809236

Lab ID	0809236-001C	0809236-002C	0809236-003C	0809236-004C	Reporting Limit for DF =1	
Client ID	MW-1	MW-2	MW-3	MW-4		
Matrix	W	W	W	W		
DF	2.5	5	33	5	S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND<1.2	ND<2.5	ND<17	ND<2.5	NA	0.5
t-Butyl alcohol (TBA)	59	92	360	63	NA	2.0
1,2-Dibromoethane (EDB)	ND<1.2	ND<2.5	ND<17	ND<2.5	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<1.2	ND<2.5	ND<17	ND<2.5	NA	0.5
Diisopropyl ether (DIPE)	ND<1.2	ND<2.5	ND<17	ND<2.5	NA	0.5
Ethyl tert-butyl ether (ETBE)	ND<1.2	ND<2.5	ND<17	ND<2.5	NA	0.5
Surrogate Recoveries (%)						
%SS1:	105	106	104	106		
Comments		b6	b6	b6		

* 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 coelutes with another peak; &) low surrogate due to matrix interference.

b6) lighter than water immiscible sheen/product is present

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Conestoga-Rovers & Associates	Client Project ID: #130105; Golden Empire Properties	Date Sampled: 09/06/08
		Date Received: 09/09/08
5900 Hollis St, Suite A	Client Contact: Mark Jonas	Date Extracted: 09/12/08
Emeryville, CA 94608	Client P.O.:	Date Analyzed 09/12/08

Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0809236

					Reporting Limit for DF =1	
Lab ID	0809236-005C	0809236-006C				
Client ID	RW-5	RW-9				
Matrix	W	W				
DF	5	20			S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND<2.5	ND<10			NA	0.5
t-Butyl alcohol (TBA)	410	230			NA	2.0
1,2-Dibromoethane (EDB)	ND<2.5	ND<10			NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<2.5	ND<10			NA	0.5
Diisopropyl ether (DIPE)	ND<2.5	ND<10			NA	0.5
Ethyl tert-butyl ether (ETBE)	ND<2.5	ND<10			NA	0.5
Surrogate Recoveries (%)						
%SS1:	101	101				
Comments		b6				

* 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 coelutes with another peak; &) low surrogate due to matrix interference.

b6) lighter than water immiscible sheen/product is present

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Angela Rydelius, Lab Manager

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

Conestoga-Rovers & Associates	Client Project ID: #130105; Golden Empire Properties	Date Sampled: 09/06/08
		Date Received: 09/09/08
5900 Hollis St, Suite A	Client Contact: Mark Jonas	Date Extracted: 09/12/08-09/13/08
Emeryville, CA 94608	Client P.O.:	Date Analyzed 09/12/08-09/13/08

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

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0809236

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-1	W	2400,d1	ND<75	500	11	30	67	5	116
002A	MW-2	W	10,000,d1,b6	ND<180	430	17	270	370	10	112
003A	MW-3	W	42,000,d1,b6	ND<800	5800	190	1100	2400	50	109
004A	MW-4	W	24,000,d1,b6	ND<250	1400	65	130	2300	50	99
005A	RW-5	W	1100,d1	120	120	2.6	2.2	13	1	115
006A	RW-9	W	13,000,d1,b6	ND<350	3600	52	170	220	20	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	µg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b6) lighter than water immiscible sheen/product is present
d1) weakly modified or unmodified gasoline is significant

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Angela Rydelius, Lab Manager

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Conestoga-Rovers & Associates	Client Project ID: #130105; Golden Empire Properties	Date Sampled: 09/06/08
		Date Received: 09/09/08
5900 Hollis St, Suite A	Client Contact: Mark Jonas	Date Extracted 09/09/08
Emeryville, CA 94608	Client P.O.:	Date Analyzed 09/12/08-09/16/08

Total Extractable Petroleum Hydrocarbons with Dawn Zemo Separation & MAI Silica Gel Clean-Up*

Extraction method: SW3510C/3630C/Dawn Zemo Separat Analytical methods: SW8015C Work Order: 0809236

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	DF	% SS
0809236-001B	MW-1	W	420,e4	1	113
0809236-002B	MW-2	W	2500,e4,b6	1	111
0809236-003B	MW-3	W	7900,e4,e2,b6	1	119
0809236-004B	MW-4	W	2800,e4,b6	1	101
0809236-005B	RW-5	W	220,e4	1	100
0809236-006B	RW-9	W	1600,e4,b6	1	96

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

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

#) cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract; &) low or no surrogate due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b6) lighter than water immiscible sheen/product is present
e2) diesel range compounds are significant; no recognizable pattern
e4) gasoline range compounds are significant.

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Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38102 WorkOrder 0809236

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0809248-001**

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
tert-Amyl methyl ether (TAME)	ND	10	87.8	94.7	7.57	89.7	93.5	4.10	70 - 130	30	70 - 130	30
Benzene	ND	10	94.8	95.6	0.804	103	104	0.863	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	76.3	88.5	14.8	76.8	83.8	8.73	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	93.8	95.8	2.12	96.1	100	3.98	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	92.8	96.9	4.37	102	106	3.23	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	92.4	94.9	2.68	104	107	3.19	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	99.6	104	4.25	115	117	2.22	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	88.7	95.4	7.23	99.5	105	5.04	70 - 130	30	70 - 130	30
Toluene	ND	10	88.5	89.5	1.11	102	103	0.365	70 - 130	30	70 - 130	30
%SS1:	97	25	96	94	1.28	90	98	8.35	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 38102 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809236-001C	09/06/08 5:50 AM	09/12/08	09/12/08 2:31 PM	0809236-002C	09/06/08 6:40 AM	09/12/08	09/12/08 3:14 PM
0809236-003C	09/06/08 6:10 AM	09/12/08	09/12/08 3:57 PM	0809236-004C	09/06/08 6:00 AM	09/12/08	09/12/08 4:40 PM
0809236-005C	09/06/08 6:20 AM	09/12/08	09/12/08 5:24 PM	0809236-006C	09/06/08 5:40 AM	09/12/08	09/12/08 6:07 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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QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38089 WorkOrder 0809236

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0809220-019**

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)£	ND	60	111	111	0	91.2	101	10.1	70 - 130	20	70 - 130	20
MTBE	ND	10	89.5	91.5	2.12	92.6	93.7	1.21	70 - 130	20	70 - 130	20
Benzene	ND	10	96	94.2	1.84	92.7	94	1.37	70 - 130	20	70 - 130	20
Toluene	ND	10	93.2	94	0.880	92.5	94.6	2.34	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	97.7	95	2.80	98.7	100	1.55	70 - 130	20	70 - 130	20
Xylenes	ND	30	95.8	92.7	3.30	110	112	2.16	70 - 130	20	70 - 130	20
%SS:	96	10	111	111	0	99	95	4.00	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 38089 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809236-001A	09/06/08 5:50 AM	09/13/08	09/13/08 11:11 AM				

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

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

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

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not 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 BatchID: 38103 WorkOrder 0809236

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0809248-002**

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)£	ND	60	107	104	2.89	110	111	0.866	70 - 130	20	70 - 130	20
MTBE	ND	10	82.3	86.7	5.12	93	82.8	11.5	70 - 130	20	70 - 130	20
Benzene	ND	10	87.1	90	3.29	88.6	87.2	1.65	70 - 130	20	70 - 130	20
Toluene	ND	10	86	89.7	4.20	86.8	86.3	0.590	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	87.7	92.7	5.51	84.6	89.1	5.16	70 - 130	20	70 - 130	20
Xylenes	ND	30	86.5	91.9	6.10	86.9	87.9	1.19	70 - 130	20	70 - 130	20
%SS:	96	10	101	109	7.63	100	99	1.23	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 38103 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809236-002A	09/06/08 6:40 AM	09/13/08	09/13/08 10:38 AM	0809236-003A	09/06/08 6:10 AM	09/12/08	09/12/08 9:39 AM
0809236-004A	09/06/08 6:00 AM	09/12/08	09/12/08 10:12 AM	0809236-005A	09/06/08 6:20 AM	09/12/08	09/12/08 6:36 PM
0809236-006A	09/06/08 5:40 AM	09/12/08	09/12/08 7:55 AM				

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

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

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

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not 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 SW8015C

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38085 WorkOrder 0809236

EPA Method SW8015C **Extraction SW3510C/3630C/Dawn Zemo Separation** **Spiked Sample ID: N/A**

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-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	86.5	84	2.91	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	79	76	5.07	N/A	N/A	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 38085 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809236-001B	09/06/08 5:50 AM	09/09/08	09/12/08 6:36 PM	0809236-002B	09/06/08 6:40 AM	09/09/08	09/16/08 10:39 AM
0809236-003B	09/06/08 6:10 AM	09/09/08	09/16/08 11:48 AM	0809236-004B	09/06/08 6:00 AM	09/09/08	09/16/08 9:17 AM
0809236-005B	09/06/08 6:20 AM	09/09/08	09/15/08 9:44 PM	0809236-006B	09/06/08 5:40 AM	09/09/08	09/16/08 10:29 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.

DHS ELAP Certification 1644

QA/QC Officer

APPENDIX C

FIELD DATA SHEETS

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL GAUGING SHEET

Client: Conestoga-Rovers and Associates

Site Address: 3055 35th Avenue, Oakland, CA

Date: 9/6/2008 **Signature:**

Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-1	8:30		20.66		27.35	
MW-2	8:50		19.41		27.60	
MW-3	8:20		16.65		25.10	
MW-4	8:15		17.27		30.30	
RW-5	8:40		16.01		25.65	
RW-6	8:35		16.08		25.35	
RW-7	8:10		16.51		29.20	
RW-8	8:05		17.70		29.00	
RW-9	8:00		17.31		25.20	
RW-10	7:55		16.23		24.95	
RW-11	8:45		15.99		24.94	

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL GAUGING SHEET

Client: Conestoga-Rovers and Associates

Site Address: 3055 35th Avenue, Oakland, CA

Date: 9/6/2008 **Signature:**

Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
RW-12	8:25		16.58		25.85	
RW-13	7:45		17.10		24.85	
RW-14	7:50		16.68		24.85	

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	9/6/2008
Client:	Conestoga-Rovers and Associates
Site Address:	3055 35th Avenue, Oakland, CA
Well ID:	MW-1
Well Diameter:	4"
Purging Device:	3" PVC Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	27.35
Depth to Water:	20.66
Water Column Height:	6.69
Gallons/ft:	0.65
1 Casing Volume (gal):	4.35
3 Casing Volumes (gal):	13.05

Fe=	**mg/L**
ORP=	**mV**
DO=	1.20 **mg/L**

COMMENTS:
slow recarge

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
10:45	4.3	21.2	6.70	1210
11:15	8.7	21.4	6.66	1193
12:30	13.0	21.0	6.61	1208

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-1	9/6/2008	5:50	40 ml VOA, 1 L Amber	HCl, ICE	TPHg BTEX MTBE TAME DIPE ETBE TBA EDB EDC TPHd	8015 with silica gel clean up, 8021 (Zemo) 8260B
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	9/6/2008
Client:	Conestoga-Rovers and Associates
Site Address:	3055 35th Avenue, Oakland, CA
Well ID:	MW-2
Well Diameter:	4"
Purging Device:	3" PVC Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	27.60
Depth to Water:	19.41
Water Column Height:	8.19
Gallons/ft:	0.65
1 Casing Volume (gal):	5.32
3 Casing Volumes (gal):	15.97

Fe=	**mg/L**
ORP=	**mV**
DO=	0.81 **mg/L**

COMMENTS:
slow recharge, very turbid, silty, heavy sheen

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
4:15	5.3	19.8	6.88	914
4:30	10.6	20.1	6.81	876
5:25	16.0	20.1	6.78	872

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-2	9/6/2008	6:40	40 ml VOA, 1 L Amber	HCl, ICE	TPHg BTEX MTBE TAME DIPE ETBE TBA EDB EDC TPHd	8015 with silica gel clean up, 8021 (Zemo) 8260B
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	9/6/2008
Client:	Conestoga-Rovers and Associates
Site Address:	3055 35th Avenue, Oakland, CA
Well ID:	MW-3
Well Diameter:	2"
Purging Device:	Disposable Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	25.10
Depth to Water:	16.65
Water Column Height:	8.45
Gallons/ft:	0.16
1 Casing Volume (gal):	1.35
3 Casing Volumes (gal):	4.06

Fe=	**mg/L**
ORP=	**mV**
DO=	1.03 **mg/L**

COMMENTS:
slow recharge, very silty, heavy sheen

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
1:15	1.4	20.7	6.64	1342
1:40	2.7	21.1	6.71	1390
2:30	4.1	21.0	6.65	1376

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-3	9/6/2008	6:10	40 ml VOA, 1 L Amber	HCl, ICE	TPHg BTEX MTBE TAME DIPE ETBE TBA EDB EDC TPHd	8015 with silica gel clean up, 8021 (Zemo) 8260B

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	9/6/2008
Client:	Conestoga-Rovers and Associates
Site Address:	3055 35th Avenue, Oakland, CA
Well ID:	MW-4
Well Diameter:	2"
Purging Device:	Disposable Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	30.30
Depth to Water:	17.27
Water Column Height:	13.03
Gallons/ft:	0.16
1 Casing Volume (gal):	2.08
3 Casing Volumes (gal):	6.25

Fe=	**mg/L**
ORP=	**mV**
DO=	1.28 **mg/L**

COMMENTS:
very turbid, very silty, heavy sheen

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
12:45	2.1	21.0	6.52	941
12:50	4.2	21.0	6.60	933
12:55	6.3	21.6	6.58	917

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-4	9/6/2008	6:00	40 ml VOA, 1 L Amber	HCl, ICE	TPHg BTEX MTBE TAME DIPE ETBE TBA EDB EDC TPHd	8015 with silica gel clean up, 8021 (Zemo) 8260B
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	9/6/2008
Client:	Conestoga-Rovers and Associates
Site Address:	3055 35th Avenue, Oakland, CA
Well ID:	RW-5
Well Diameter:	4"
Purging Device:	3" PVC Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	25.65
Depth to Water:	16.01
Water Column Height:	9.64
Gallons/ft:	0.65
1 Casing Volume (gal):	6.27
3 Casing Volumes (gal):	18.80

Fe=	**mg/L**
ORP=	**mV**
DO=	1.42 **mg/L**

COMMENTS:
slow recharge, very turbid, heavy sheen

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
2:45	6.3	20.1	6.69	604
3:20	12.5	20.9	6.75	580
4:00	18.8	20.4	6.71	579

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
RW-5	9/6/2008	6:20	40 ml VOA, 1 L Amber	HCl, ICE	TPHg BTEX MTBE TAME DIPE ETBE TBA EDB EDC TPHd	8015 with silica gel clean up, 8021 (Zemo) 8260B

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	9/6/2008
Client:	Conestoga-Rovers and Associates
Site Address:	3055 35th Avenue, Oakland, CA
Well ID:	RW-9
Well Diameter:	4"
Purging Device:	3" PVC Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	25.20	**Fe=**	**mg/L**
Depth to Water:	17.31	**ORP=**	**mV**
Water Column Height:	7.89	**DO=**	1.22 **mg/L**
Gallons/ft:	0.65		
1 Casing Volume (gal):	5.13		
3 Casing Volumes (gal):	15.39		

COMMENTS:
very slow recharge

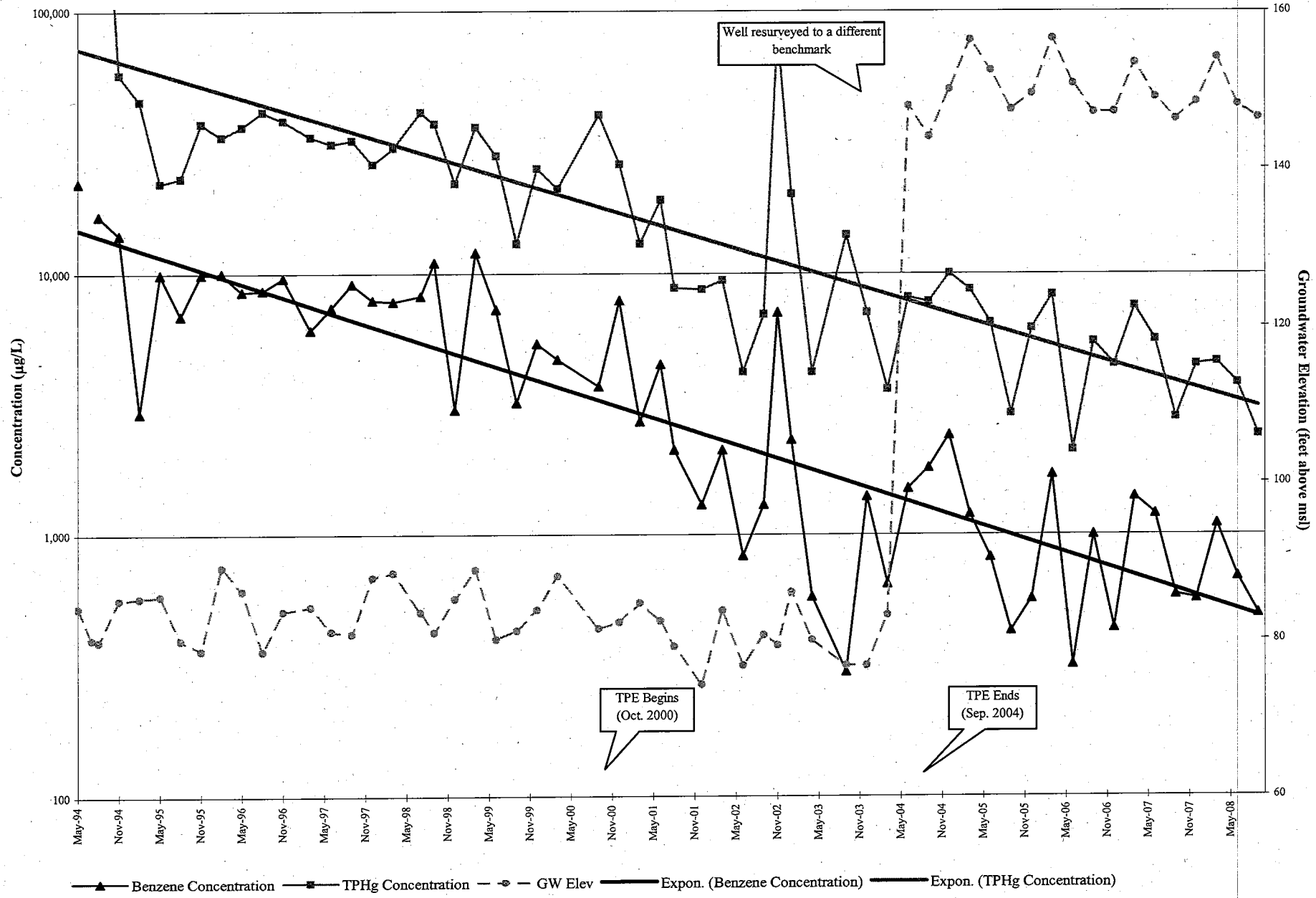
TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
9:30	5.1	19.7	6.88	1079
9:45	10.3	20.2	6.79	1128
10:35	15.4	20.4	6.82	1141

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
RW-9	9/6/2008	5:40	40 ml VOA, 1 L Amber	HCl, ICE	TPHg BTEX MTBE TAME DIPE ETBE TBA EDB EDC TPHd	8015 with silica gel clean up, 8021 (Zemo) 8260B
				Signature:		

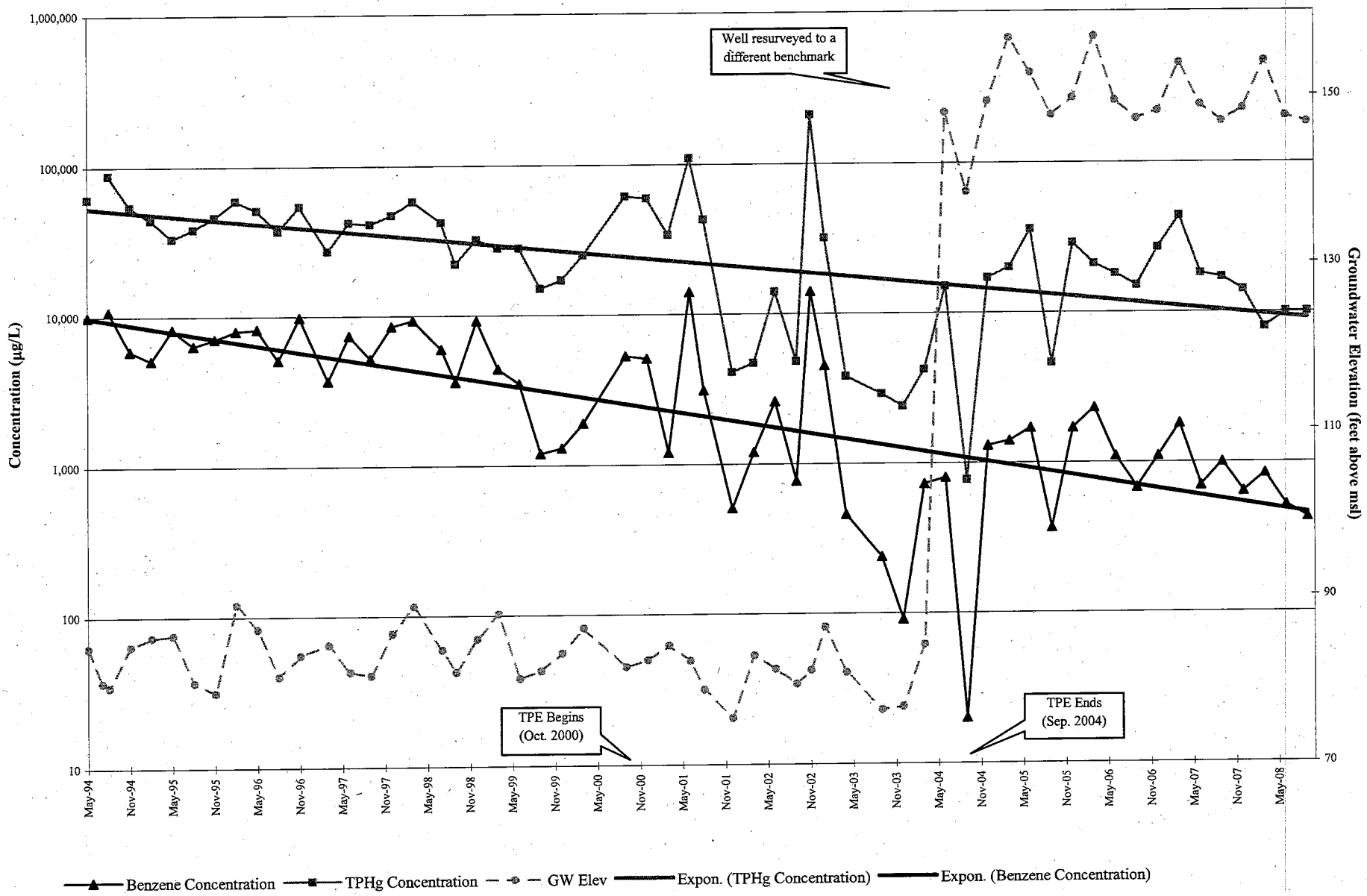
APPENDIX D

TPHG AND BENZENE CONCENTRATION TREND GRAPHS

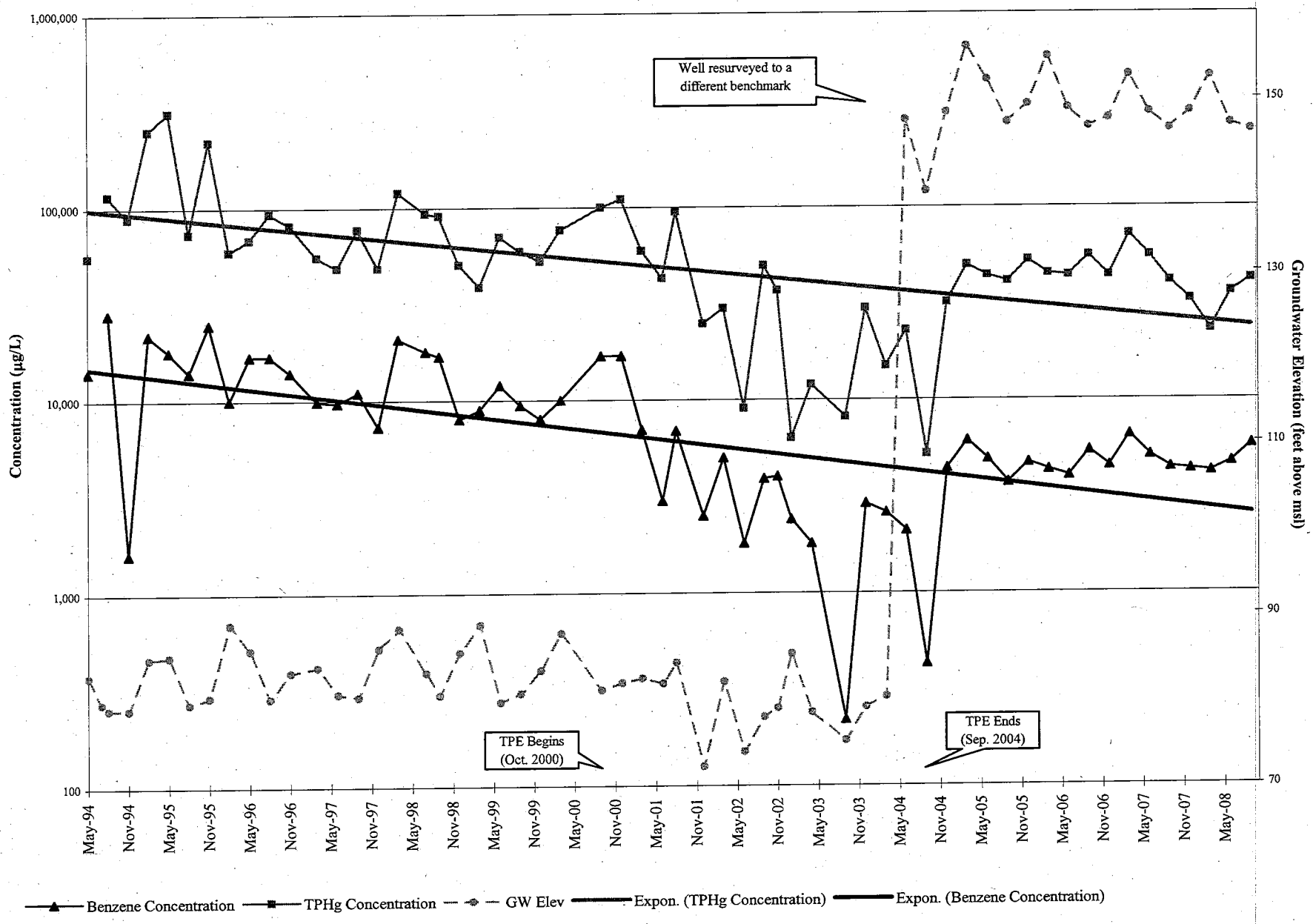
TPHg and Benzene Concentration Trends
Well MW-1 (March 1997 to Present)



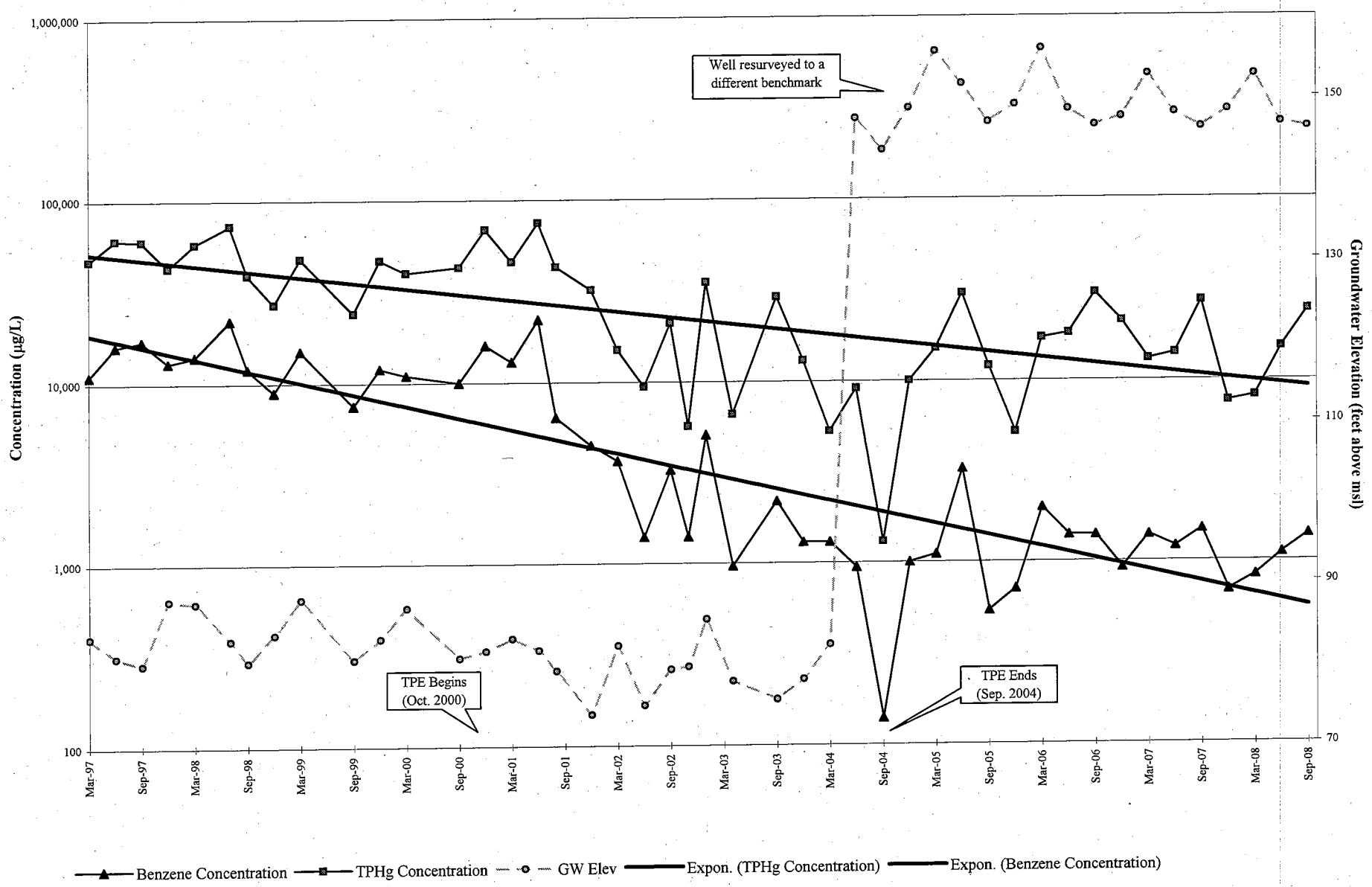
TPHg and Benzene Concentration Trends
Well MW-2 (March 1997 to Present)



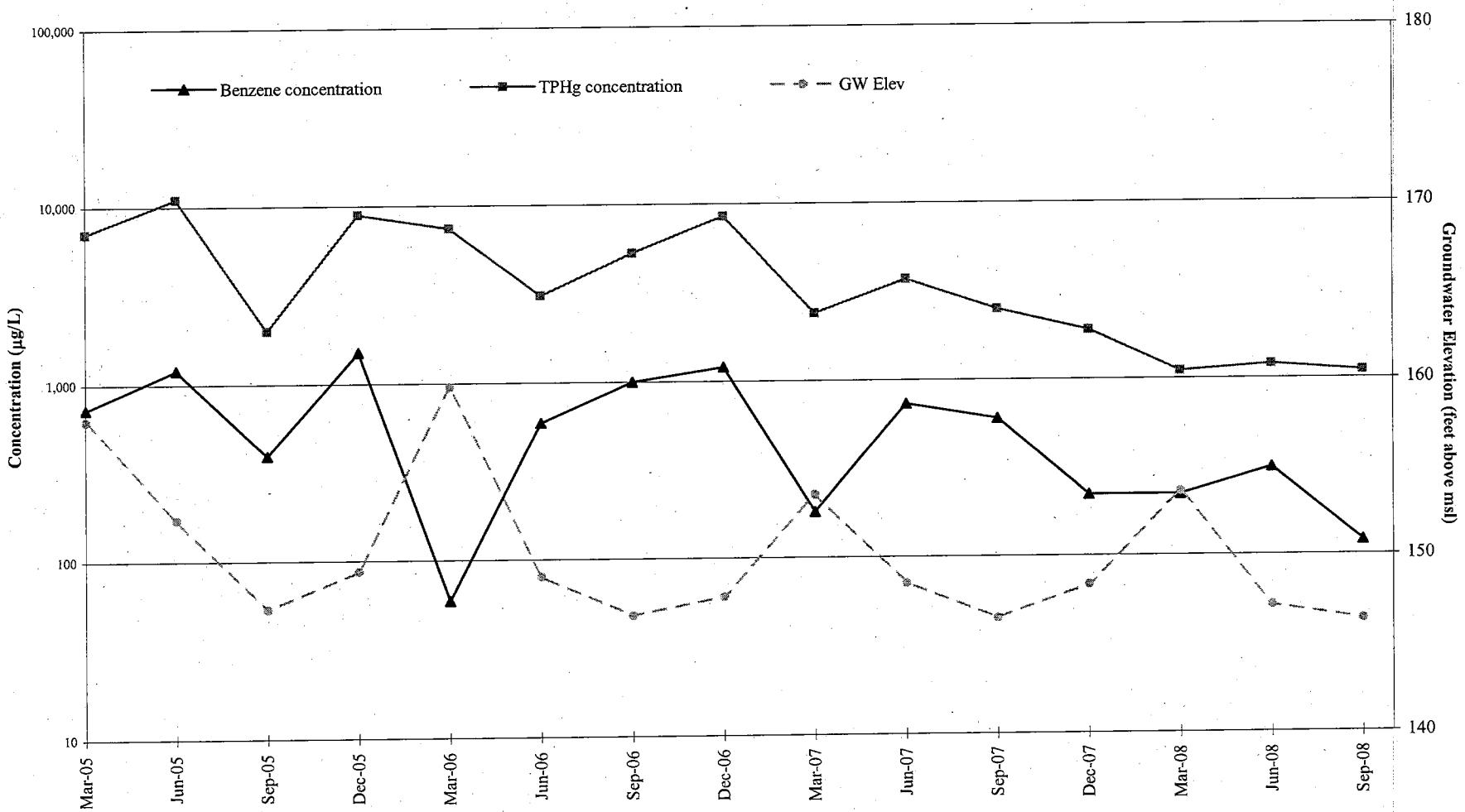
TPHg and Benzene Concentration Trends
Well MW-3 (March 1997 to Present)



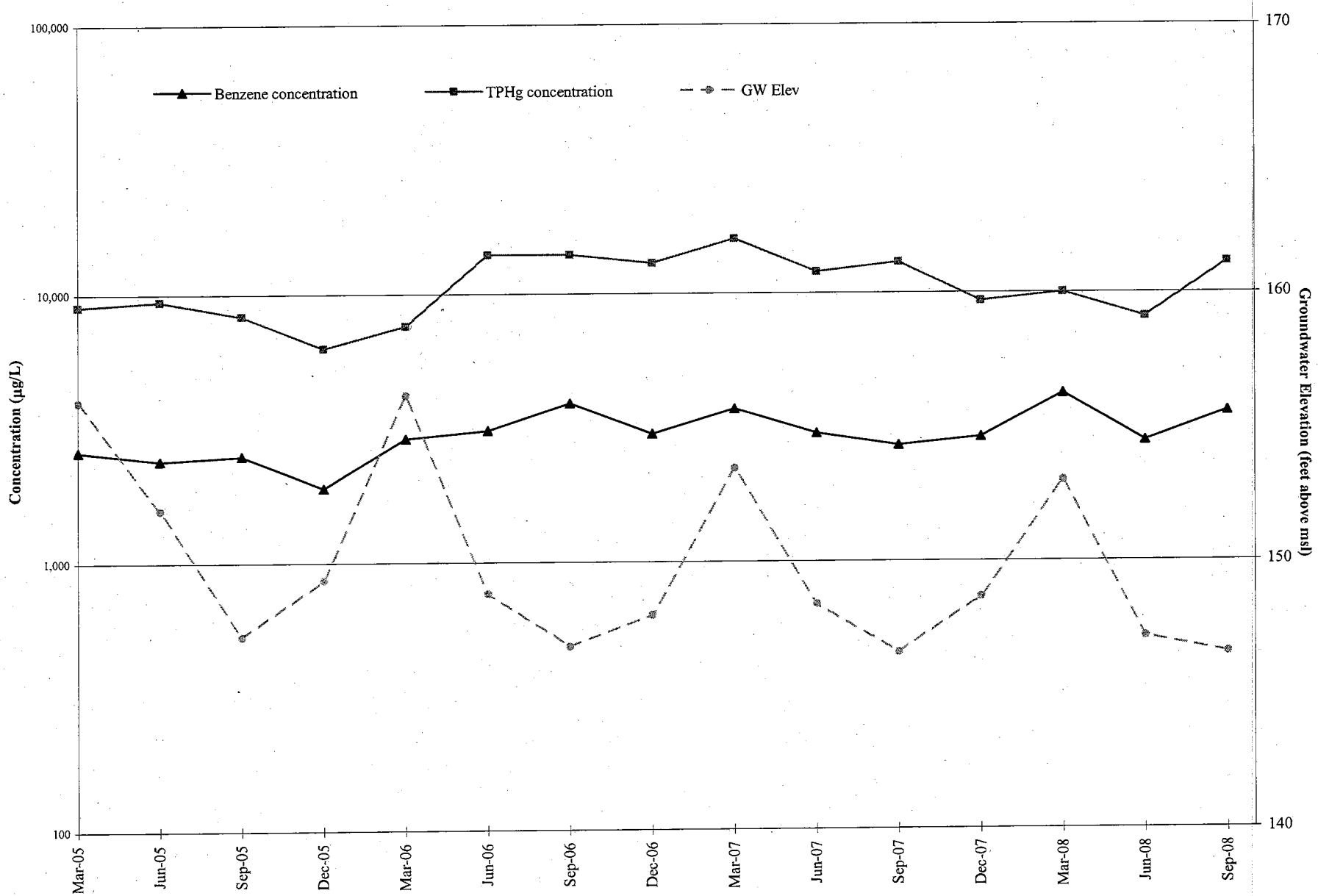
TPHg and Benzene Concentration Trends
Well MW-4 (March 1997 to Present)



TPHg and Benzene Concentration Trends
Well RW-5 (March 2005 to Present)



TPHg and Benzene Concentration Trends
Well RW-9 (March 2005 to Present)



FIGURES

04/14/07

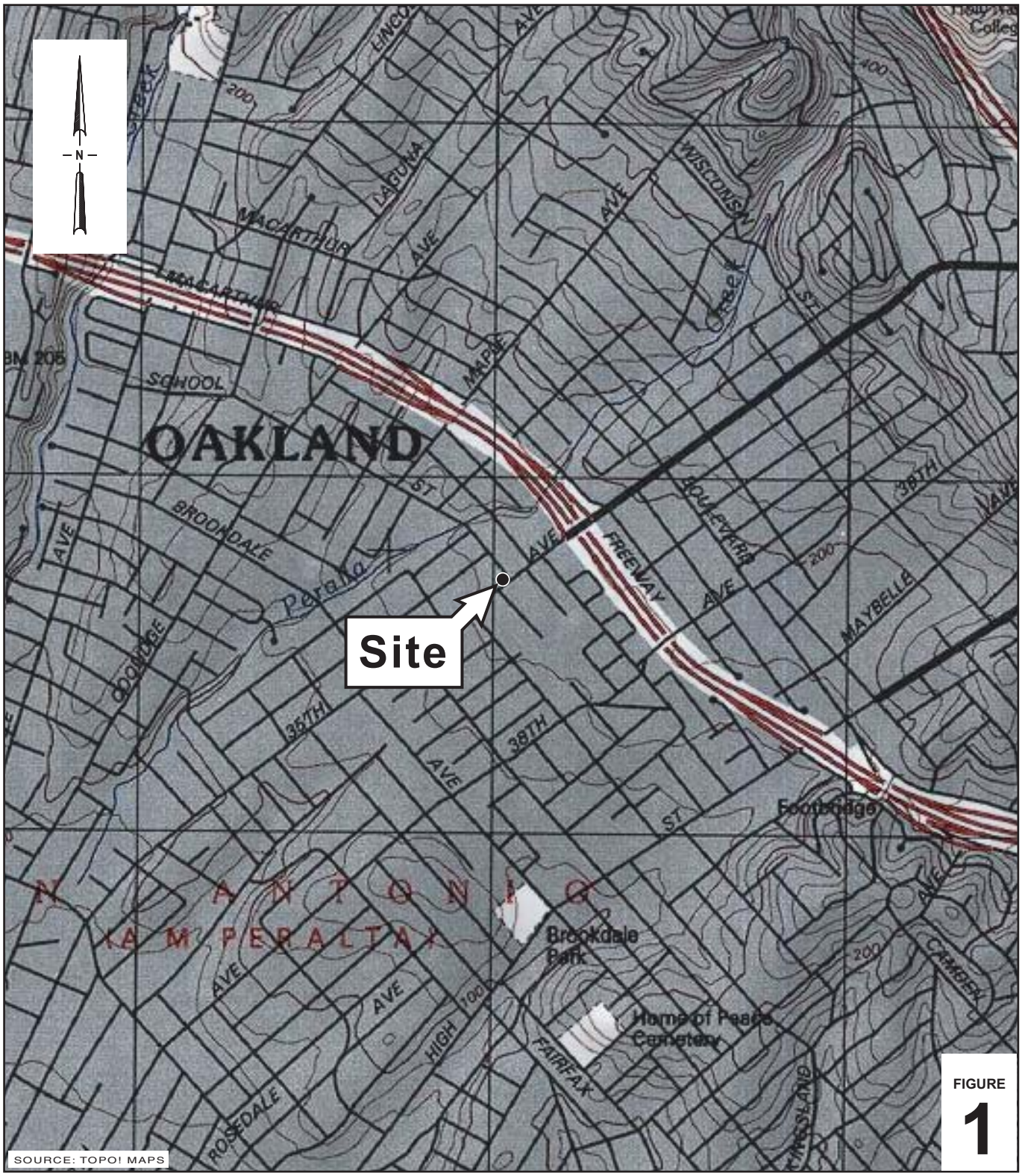


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FIGURE
1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Former Exxon Station

3035 35th Avenue

Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

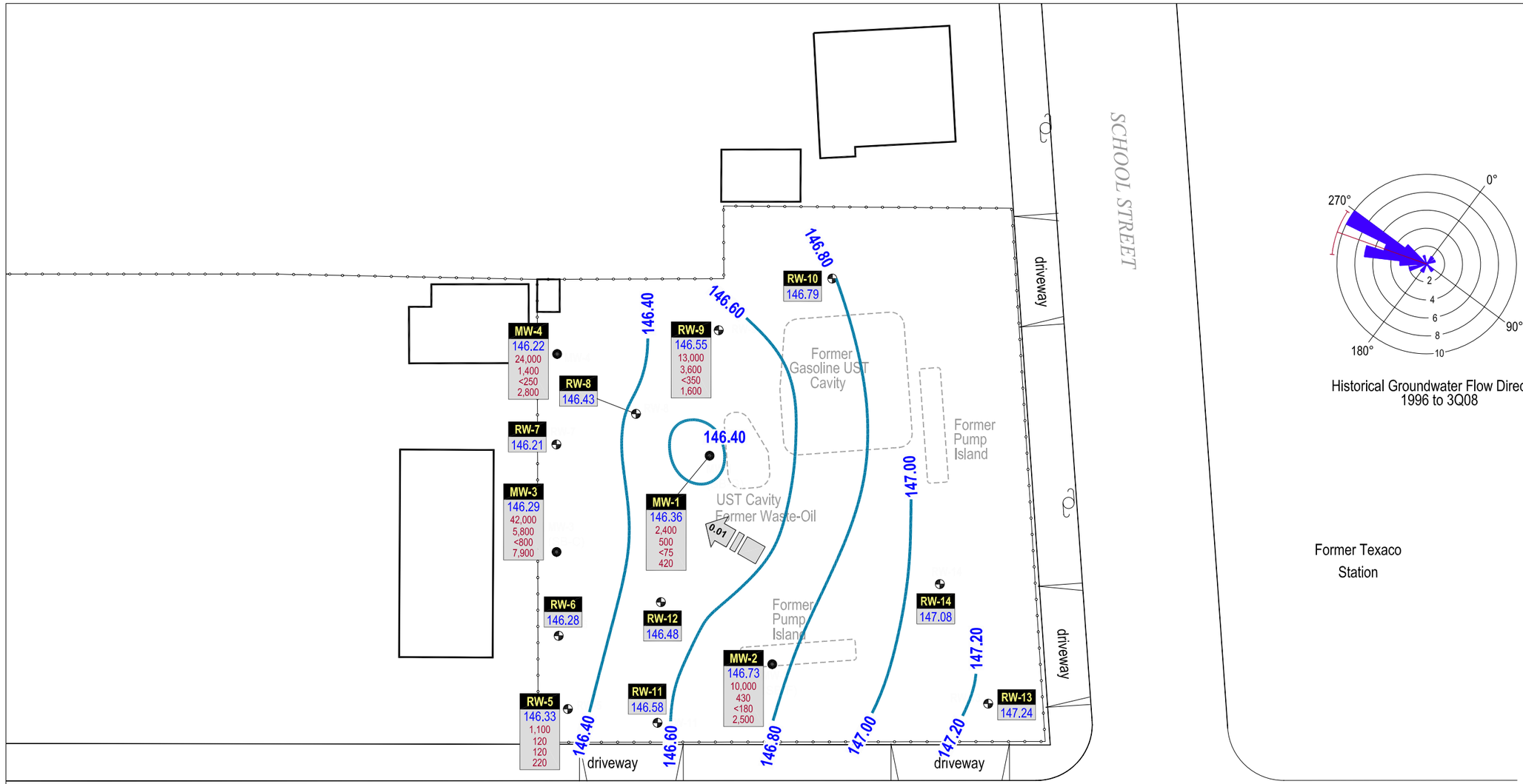

FIGURE 2

GROUNDWATER ELEVATION and HYDROCARBON CONCENTRATION MAP
FORMER EXXON STATION
3055 35th AVENUE
Oakland, California
September 6, 2008

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TABLES

TABLE 1

WELL CONSTRUCTION DETAILS
FORMER EXXON SERVICE STATION
3055 35th AVENUE, 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	May 9, 1994	26.5	NA	4	10 - 25	0.010	9.5 - 25	7.5 - 9.5	0 - 7.5	167.02
MW-2	May 9, 1994	26.5	NA	4	10 - 25	0.010	9.5 - 25	7.5 - 8.5	0 - 7.5	166.14
MW-3	May 9, 1994	26.5	NA	2	10 - 25	0.010	9 - 25	7 - 9 25 - 26.5	0 - 7	162.94
MW-4	Feb. 26, 1997	30.0	NA	2	10 - 30	0.010	8 - 30	7 - 8	0 - 7	163.49
RW-5	Aug. 5, 1998	25.7	NA	4	5 - 25.5	0.010 (?)	4.5 - 25.7	2.5 - 4.5	0 - 2.5	162.34
RW-6	Aug. 5, 1998	25.5	NA	4	5 - 25.5	0.010 (?)	5 - 25.5	2.5 - 5	0 - 2.5	162.36
RW-7	Aug. 5, 1998	29.5	NA	4	5 - 29.5	0.010 (?)	5 - 29.5	3 - 5	0 - 3	162.72
RW-8	Aug. 5, 1998	29.5	NA	4	5 - 29.5	0.010 (?)	5 - 29.5	3 - 5	0 - 3	164.13
RW-9	Aug. 6, 1998	25.0	NA	4	5 - 25	0.010 (?)	5 - 25	3 - 5	0 - 3	163.86
RW-10	Aug. 6, 1998	25.0	NA	4	5 - 25	0.010 (?)	5 - 25	3 - 5	0 - 3	163.02
RW-11	Aug. 6, 1998	25.0	NA	4	5 - 25	0.010 (?)	5 - 25	3 - 5	0 - 3	162.57
RW-12	Aug. 6, 1998	27.0	NA	4	5 - 27	0.010 (?)	5 - 27	3 - 5	0 - 3	163.06
RW-13	Aug. 6, 1998	25.0	NA	4	5 - 25	0.010 (?)	5 - 25	3 - 5	0 - 3	164.34
RW-14	Aug. 6, 1998	25.0	NA	4	5 - 25	0.010 (?)	5 - 25	3 - 5	0 - 3	163.76

Abbreviations / Notes
ft = Feet
in = Inches
ft bgs = Feet below grade surface
ft msl = Feet above mean sea level
TOC = Top of casing

TABLE 1

WELL CONSTRUCTION DETAILS
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

NA = Not available

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID TOC	Date	GW Depth (ft TOC)	SPH (ft)	GW Elev. (ft msl)	Note	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	DPE System Status
MW-1	5/25/1994	16.79	Sheen	84.06		120,000	25,000	<50,000	22,000	17,000	2,800	16,000	---	---	
100.85	7/19/1994	20.77	---	80.08		---	---	---	---	---	---	---	---	---	
	8/18/1994	21.04	Sheen	79.81		925,000	---	---	16,500	6,200	1,000	9,400	---	---	
	11/11/1994	15.80	---	85.05		57,000	---	---	14,000	4,400	1,400	6,400	---	---	
	2/27/1995	15.53	---	85.32		45,000	---	---	2,900	2,500	760	4,100	---	---	
	5/23/1995	15.29	---	85.56		22,000	---	---	9,900	990	790	2,000	---	---	
	8/22/1995	20.90	---	79.95		23,000	---	---	6,900	340	1,200	1,900	---	---	
	11/29/1995	22.19	---	78.66		37,000	---	---	9,900	530	1,600	2,900	---	---	
	2/21/1996	11.69	---	89.16		33,000	4,300	---	10,000	480	1,000	1,800	3,300	---	
	5/21/1996	14.62	---	86.23		36,000	8,500	---	8,500	1,400	1,300	2,800	1,900	---	
	8/22/1996	22.30	---	78.55		41,000	6,200	---	8,600	1,300	1,500	2,900	<200	8.0	
	11/27/1996	17.24	Sheen	83.61		38,000	6,100	---	9,600	950	1,600	3,100	<400	5.6	
	3/20/1997	16.65	---	84.20		33,000	10,000	---	6,100	560	970	2,200	<400	8.5	
	6/25/1997	19.77	---	81.08		31,000	7,400[a]	---	7,400	440	890	1,800	<400	3.7	
	9/17/1997	20.12	---	80.73		32,000[d]	3,500[e]	---	9,100	550	1,000	2,000	<1,000	2.1	
	12/22/1997	12.95	---	87.90		26,000[d]	5,800[e]	---	7,900	370	920	1,500	<790	0.7	
	3/18/1998	12.34	Sheen	88.51		30,000[d]	4,200[e,f]	---	7,800	820	840	2,000	<1,100	1.3	
	7/14/1998	17.34	---	83.51		41,000[d]	8,900[e,f]	---	8,200	1,100	1,200	3,000	<200	1.8	
	9/30/1998	19.90	---	80.95		37,000	3,300	---	11,000	950	1,200	2,800	<20	2.0	
	12/8/1998	15.62	---	85.23		22,000	3,700	---	3,000	1,200	730	3,100	<900	---	
	3/29/1999	11.98	---	88.87		36,000[d]	6,800[e]	---	12,000	750	1,300	2,400	950	0.50	
	6/29/1999	20.77	---	80.08		28,000[d]	3,500[e]	---	7,300	420	810	1,700	<1,300	0.10	
	9/28/1999	19.68	---	81.17		13,000[d]	3,600[e,f]	---	3,200	130	320	1,100	<210	0.55	
	12/10/1999	17.02	---	83.83		25,000[d]	2,900[e,f]	---	5,400	130	620	1,400	<1,000	1.03	
	3/23/2000	12.76	---	88.09		21,000[d]	3,300[f]	---	4,700	140	470	1,100	<350	---	
	9/7/2000	19.45	---	81.40		40,000[d,g]	12,000[e,g]	---	3,700	1,400	910	4,900	<50	0.17	
	12/5/2000	18.60	---	82.25		26,000[a]	3,400[e]	---	7,900	150	580	810	<300	0.35	Not operating
	3/7/2001	16.19	---	84.66		13,000	2,400	---	2,700	43	69	300	<100	0.49	Not operating
	6/6/2001	18.47	---	82.38		19,000	4,000	---	4,500	130	270	430	<400	0.39	Not operating
	8/30/2001	21.70	---	79.15		8,800[a]	1,400[d]	---	2,100	45	91	240	<130	0.27	Operating
	12/7/2001	26.55	---	74.30		8,700[d]	1,900[e,f]	---	1,300	160	38	730	<20	0.59	Operating
	3/11/2002	17.13	---	83.72		9,400[d]	1,400[e]	---	2,100	200	74	470	<20	0.39	Operating
	6/10/2002	24.10	---	76.75		4,200[d]	900[e,k]	---	830	170	110	460	<100	---	Operating

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID TOC	*Date*	*GW Depth* (ft TOC)	*SPH* (ft)	*GW Elev.* (ft msl)	*Note*	*TPHg* (µg/L)	*TPHd* (µg/L)	*TPHmo* (µg/L)	*Benzene* (µg/L)	*Toluene* (µg/L)	*Ethylbenzene* (µg/L)	*Xylenes* (µg/L)	*MTBE* (µg/L)	*DO* (mg/L)	*DPE System Status*
MW-1	9/26/2002	20.30	---	80.55		7,000[d]	1,300[e,f,k]	---	1,300	190	200	760	<100	0.70	Operating
Continued	11/21/2002	21.55	---	79.30		83,000[d,g]	200,000[e,g]	---	7,100	1,700	3,000	13,000	<1,000	0.49	Operating
	1/13/2003	14.80	---	86.05		20,000[d]	5,300[e,f]	---	2,300	480	300	2,100	<500	0.33	Not operating
	4/25/2003	20.90	---	79.95		4,200[d]	320[e]	---	580	81	59	470	<50	---	Operating
	5/30/2003	16.65	---	84.20		---	---	---	---	---	---	---	---	---	Not operating
	9/3/2003	24.16	---	76.69		14,000[d]	36,000[e,f]	---	300	50	33	480	<50	---	Operating
	12/2/2003	24.12	Sheen [Lab]	76.73		7,100[d,g]	9,300[e,f,g]	---	1,400	230	160	820	<100	---	Operating
	3/18/2004	17.70	---	83.15		3,600[d]	1,100[e,f]	---	650	59	38	370	<90	---	Operating
	6/16/2004	19.20	---	147.82		8,100[d]	2,300[e,f]	---	1,500	69	22	1,000	<100	---	Not operating
167.02	9/27/2004	23.07	---	143.95		7,800[d]	1,700[e]	---	1,800	110	120	670	<180	0.28	Not operating
	12/27/2004	17.04	---	149.98		10,000[d]	1,400[e]	---	2,400	170	170	1,500	<120	0.41	Not operating
	3/7/2005	10.73	---	156.29		8,700[d]	1,300[e,f,k]	---	1,200	99	140	770	<500	0.91	Not operating
	6/21/2005	14.60	---	152.42		6,500[d]	930[e,k]	---	820	26	57	110	<250	---	Not operating
	9/21/2005	19.64	---	147.38		2,900[d]	860[e,k,f]	---	430	19	46	150	<50	1.14	Not operating
	12/14/2005	17.63	Sheen [Field]	149.39		6,200[d]	4,000[e,f,k]	---	570	32	72	420	<110	1.08	Not operating
	3/22/2006	10.52	Sheen [Field]	156.50		8,300[d]	1,100[e,f,k]	---	1,700	100	190	660	<150	0.84	Not operating
	6/30/2006	16.33	Sheen [Field]	150.69		2,100[d,l]	1,500[m,k,l]	---	320	6.1	<1.0	77	<90	0.66	Not operating
	9/5/2006	19.96	Sheen [Lab]	147.06		5,500[d,g]	1,500[e,f,k,g]	---	1,000	45	81	310	<120	0.38	Not operating
	12/6/2006	19.92	Sheen [Lab]	147.10		4,500 [d,g]	760 [e,g]	---	440	13	42	190	<60	0.55	Not operating
	3/16/2007	13.62	---	153.40		7,500 [d]	1,800 [e,f]	---	1,400	30	100	270	<150	0.58	Not operating
	6/15/2007	18.07	Sheen [Field]	148.95		5,600 [d]	1,500 [e,k,f]	---	1,200	29	84	190	56	0.74	Not operating
	9/6/2007	20.84	---	146.18		2,800 [d]	690 [e,f]	---	590	17	35	100	<80	0.90	Not operating
	12/8/2007	18.66	Sheen [Field]	148.36		4,500 [d]	520 [e,f]	--	570	13	57	200	<120	1.24	Not operating
	3/9/2008	12.98	Sheen [Field]	154.04	Z	4,600 [d]	470 [e]	<250	1,100	23	82	140	<50	1.17	Not operating
	6/14/2008	18.98	---	148.04	Z	3,800 [d]	410 [e]	<250	690	12	64	240	<80	1.95	Not operating
	9/6/2008	**20.66**	**---**	**146.36**	**Z[TPHd]**	**2,400 [d]**	**420 [e]**	**---**	**500**	**11**	**30**	**67**	**<75**	**1.20**	Not operating
MW-2	5/25/1994	15.65	---	84.35		61,000	6,900	<5,000	9,900	7,400	960	4,600	---	---	
100.00	7/19/1994	19.81	---	80.19		---	---	---	---	---	---	---	---	---	
	8/18/1994	20.37	---	79.63		88,000	---	---	10,750	10,500	1,850	9,600	---	---	
	11/11/94	15.52	---	84.48		54,000	---	---	5,900	6,700	1,300	7,500	---	---	
	2/27/1995	14.46	Sheen	85.54		44,000	---	---	5,100	5,300	930	6,400	---	---	

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID TOC	Date	GW Depth (ft TOC)	SPH (ft)	GW Elev. (ft msl)	Note	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	DPE System Status
MW-2	5/23/1995	14.17	---	85.83		33,000	---	---	8,200	5,600	900	6,600	---	---	
Continued	8/22/1995	19.80	---	80.20		38,000	---	---	6,400	5,000	1,100	5,600	---	---	
	11/29/95	21.05	---	78.95		46,000	---	---	7,100	5,300	1,300	6,000	---	---	
	2/21/1996	10.53	---	89.47		59,000	---	---	8,000	6,000	1,800	8,900	4,500	---	
	5/21/1996	13.47	---	86.53		51,000	3,400	---	8,200	5,200	1,300	6,600	2,400	---	
	8/22/1996	19.12	---	80.88		37,000	5,700	---	5,100	3,500	960	4,500	<200	3.0	
	11/27/1996	16.61	Sheen	83.39		54,000	10,000	---	9,800	7,000	1,800	7,900	<2,000	3.1	
	3/20/1997	15.39	---	84.61		27,000	6,100	---	3,700	2,300	580	2,800	<400	8.1	
	6/25/1997	18.62	---	81.38		42,000	7,800[b]	---	7,400	3,800	1,200	5,700	<200	0.9	
	9/17/1997	19.05	Sheen	80.95		41,000[d]	8,900[e]	---	5,200	3,400	1,300	5,900	<700	1.2	
	12/22/1997	14.09	---	85.91		47,000[d]	6,100[e]	---	8,500	4,600	1,800	8,400	<1,200	1.2	
	3/18/1998	10.83	Sheen	89.17		58,000[d]	7,000[e,f]	---	9,300	6,100	1,800	8,200	<1,100	1.1	
	7/14/1998	16.07	---	83.93		42,000[d]	5,300[e,f]	---	6,000	3,000	1,000	4,800	<200	1.5	
	9/30/1998	18.71	---	81.29		22,000	2,400	---	3,600	1,300	720	3,200	<30	1.8	
	12/8/1998	14.80	---	85.20		32,000	3,100	---	9,200	680	1,100	2,300	<2,000	---	
	3/29/1999	11.81	---	88.19		28,000[d]	7,500[e,f]	---	4,400	1,600	950	4,100	410	1.86	
	6/29/1999	19.54	---	80.46		28,000[d]	3,300[e]	---	3,500	1,100	690	3,100	<1,000	0.41	
	9/28/1999	18.61	---	81.39		15,000[d]	3,400[e,f]	---	1,200	540	230	2,300	<36	1.18	
	12/10/1999	16.53	---	83.47		17,000[d]	2,500[e,f]	---	1,300	780	420	2,700	<40	0.17	
	3/23/2000	13.56	---	86.44		25,000[d]	3,100[i]	---	1,900	1,100	660	3,700	<500	---	
	9/7/2000	18.25	---	81.75		62,000[d,g]	32,000[e,g]	---	5,300	2,300	1,500	8,400	<100	0.39	
	12/5/2000	17.45	---	82.55		60,000[d,g]	87,000[e,f,g]	---	5,100	2,200	1,600	9,000	<200	0.31	Not operating
	3/7/2001	15.68	---	84.32		34,000	3,900	---	1,200	770	620	4,300	<200	0.44	Not operating
	6/6/2001	17.51	---	82.49		110,000	48,000	---	14,000	9,000	1,900	12,000	<950	0.24	Not operating
	8/30/2001	21.00	---	79.00		43,000[a,h]	15,000[d,h]	---	3,100	720	980	5,500	<200	---	Operating
	12/7/2001	24.45	---	75.55		4,100[d]	750[e,f]	---	510	88	8.2	580	<20	0.47	Operating
	3/11/2002	16.95	---	83.05		4,700[d]	590[e]	---	1,200	150	30	310	<50	0.24	Operating
	6/10/2002	18.59	---	81.41		14,000[d]	2,000[e]	---	2,600	710	150	2,000	<800	---	Operating
	9/26/2002	20.39	---	79.61		4,800[d]	660[e]	---	770	200	140	740	<50	0.29	Operating
	11/21/2002	18.75	---	81.25		210,000[d,g]	350,000[e,g]	---	14,000	23,000	4,400	28,000	<1,700	0.43	Operating
	1/13/2003	13.60	Sheen [Lab]	86.40		32,000[d,g]	14,000[e,f,g,k]	---	4,500	1,600	920	3,600	<1000	0.39	Not operating
	4/25/2003	19.05	---	80.95		3,800[d]	310[e]	---	460	78	72	410	310	---	Operating

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID TOC	*Date*	*GW Depth* (ft TOC)	*SPH* (ft)	*GW Elev.* (ft msl)	*Note*	*TPHg* (µg/L)	*TPHd* (µg/L)	*TPHmo* (µg/L)	*Benzene* (µg/L)	*Toluene* (µg/L)	*Ethylbenzene* (µg/L)	*Xylenes* (µg/L)	*MTBE* (µg/L)	*DO* (mg/L)	*DPE System Status*
MW-2	5/30/2003	15.23	---	84.77		---	---	---	---	---	---	---	---	---	Not operating
Continued	9/3/2003	23.57	---	76.43		2,900[d]	2,300[e]	---	240	57	68	380	770	---	Operating
	12/2/2003	23.17	Sheen [Lab]	76.83		2,400[d,g]	3,300[e,f,g]	---	91	20	14	250	890	---	Operating
	3/18/2004	15.78	---	84.22		4,200[d]	870[e,f]	---	730	89	<5.0	480	2,300	---	Operating
166.14	6/16/2004	18.15	---	147.99		15,000[d]	9,800[e,f]	---	800	210	290	1,800	2,000	---	Not operating
(Monument	9/27/2004	27.55**	---	138.59		770[d]	1,000[e,f,k]	---	20	7.9	10	140	1,600	0.79	Operating
Well box)	12/27/2004	16.81	---	149.33		17,000[d]	3,800[e,f]	---	1,300	370	540	3,800	620	0.94	Not operating
	3/7/2005	9.31	Sheen [Field & Lab]	156.83		20,000[d,g]	8,300[e,f,k,g]	---	1,400	330	430	2,600	1,100	0.88	Not operating
	6/21/2005	13.42	Sheen [Lab]	152.72		36,000[d,g]	15,000[e,f,g]	---	1,700	310	460	3,100	1,200	---	Not operating
	9/21/2005	18.50	Sheen [Field]	147.64		4,600[d]	1,100[e,f]	---	370	62	110	740	1,100	0.86	Not operating
	12/14/2005	16.40	Sheen [Field & Lab]	149.74		29,000[d,g]	49,000[e,f,k,g]	---	1,700	260	600	3,700	1,000	0.99	Not operating
	3/22/2006	9.15	Sheen [Lab]	156.99		21,000[d,g]	23,000[e,f,k,g]	---	2,300	200	550	2,800	1,200	0.91	Not operating
	6/30/2006	16.78	Sheen [Field & Lab]	149.36		18,000[d,g]	55,000[e,f,k,g]	---	1,100	71	270	1,400	1,200	0.84	Not operating
	9/5/2006	18.96	Sheen [Lab]	147.18		15,000[d,g]	19,000[e,f,k,g]	---	680	70	260	1,400	<1,000	0.79	Not operating
	12/6/2006	18.01	Sheen [Field & Lab]	148.13		27,000 [d,g]	31,000 [e,f,k,g]	---	1,100	51	420	1,600	<900	0.48	Not operating
	3/16/2007	12.31	Sheen [Field & Lab]	153.83		44,000 [d,g]	49,000 [e,f,k,g]	---	1,800	71	670	2,200	<900	0.52	Not operating
	6/15/2007	17.31	Sheen [Field & lab]	148.83		18,000 [d,g]	21,000 [e,k,f,g]	---	700	22	290	740	<650	0.68	Not operating
	9/6/2007	19.28	Sheen [Field & Lab]	146.86		17,000 [a,h]	8,400 [e,f,g]	---	1,000	53	450	1,100	<700	0.72	Not operating
	12/8/2007	17.72	Sheen [Field & Lab]	148.42		14,000 [d,g]	3,600 [e,f,g]	---	640	13	220	520	<300	0.80	Not operating
	3/9/2008	12.09	Sheen [Field]	154.05	Z	7,900 [d]	3,100 [e]	<250	840	24	280	380	<380	0.68	Not operating
	6/14/2008	18.66	Sheen [Field]	147.48	Z	10,000 [d]	2,500 [e]	<250	520	18	200	370	<350	0.97	Not operating
	9/6/2008	**19.41**	**Sheen [Field & Lab]**	**146.73**	**Z[TPHd]**	**10,000 [d,g]**	**2,500 [e,g]**	**---**	**430**	**17**	**270**	**370**	**<180**	**0.81**	Not operating
MW-3	5/25/1994	13.93	Sheen	82.94		56,000	14,000	<50,000	14,000	14,000	1,300	11,000	---	---	
Continued	7/19/1994	17.04	---	79.83		---	---	---	---	---	---	---	---	---	
96.87	8/18/1994	17.75	---	79.12		116,000	---	---	28,300	26,000	2,400	15,000	---	---	
	11/11/94	17.80	---	79.07		89,000	---	---	1,600	1,900	1,900	14,000	---	---	
	2/27/1995	11.86	Sheen	85.01		250,000	---	---	22,000	26,000	7,800	21,000	---	---	
	5/23/1995	11.60	Sheen	85.27		310,000	---	---	18,000	17,000	4,500	2,800	---	---	
	8/22/1995	17.10	---	79.77		74,000	---	---	14,000	13,000	1,900	11,000	---	---	
	11/29/1995	16.34	---	80.53		220,000	---	---	25,000	25,000	3,500	19,000	---	---	
	2/21/1996	7.92	---	88.95		60,000	---	---	10,000	7,800	1,500	8,800	3,400	---	

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID TOC	*Date*	*GW Depth* (ft TOC)	*SPH* (ft)	*GW Elev.* (ft msl)	*Note*	*TPHg* (µg/L)	*TPHd* (µg/L)	*TPHmo* (µg/L)	*Benzene* (µg/L)	*Toluene* (µg/L)	*Ethylbenzene* (µg/L)	*Xylenes* (µg/L)	*MTBE* (µg/L)	*DO* (mg/L)	*DPE System Status*
MW-3	5/21/1996	10.86	Sheen	86.01		69,000	13,000	---	17,000	9,400	1,700	9,400	2,600	---	
Continued	8/22/1996	16.50	---	80.37		94,000	16,000	---	17,000	15,000	2,100	12,000	330	2.0	
	11/27/1996	13.47	Sheen	83.40		82,000	24,000	---	14,000	13,000	2,400	13,000	<1,000	2.4	
	3/20/1997	12.86	---	84.01		56,000	11,000	---	9,900	6,900	1,300	8,000	3,500	9.0	
	6/25/1997	15.98	---	80.89		49,000	7,700[b]	---	9,700	7,100	1,300	7,000	220	5.8	
	9/17/1997	16.34	Sheen	80.53		78,000[d]	15,000[e]	---	11,000	9,900	1,800	10,000	<1,200	0.7	
	12/22/1997	10.71	Sheen	86.16		49,000[d]	14,000[e]	---	7,300	5,300	1,400	7,500	<1,100	3.1	
	3/18/1998	8.41	Sheen	88.46		120,000[d]	20,000[e,f]	---	21,000	19,000	2,600	15,000	<1,600	1.6	
	7/14/1998	13.51	---	83.36		94,000[d,g]	65,000[e,f,g]	---	18,000	14,000	1,900	11,000	<1,400	1.8	
	9/30/1998	16.14	---	80.73		91,000	9,800	---	17,000	13,000	2,100	12,000	<1300	2.0	
	12/8/1998	11.20	---	85.67		51,000	4,200	---	8,000	6,800	1,400	7,500	<1,100	---	
	3/29/1999	7.95	---	88.92		39,000[d]	4,600[e]	---	8,900	4,400	940	4,500	810	0.56	
	6/29/1999	16.98	---	79.89		71,000[d]	6,900[e]	---	12,000	7,300	1,400	8,400	<1,700	0.19	
	9/28/1999	15.99	---	80.88		60,000[d]	7,800[e]	---	9,400	9,200	1,000	9,900	200	0.53	
	12/10/1999	13.31	---	83.56		53,000[d]	5,300[e,f]	---	8,000	6,400	1,100	8,100	<200	0.48	
	3/23/2000	8.98	---	87.89		77,000[d,g]	11,000[g,j]	---	10,000	9,400	1,600	11,000	<430	---	
	9/7/2000	15.61	---	81.26		100,000[d,g]	19,000[e,f,g]	---	17,000	12,000	1,600	11,000	<500	---	
	12/5/2000	14.80	---	82.07		110,000[d,g]	17,000[e,g]	---	17,000	11,000	1,900	12,000	<750	0.37	Not operating
	3/7/2001	14.27	---	82.60		60,000	13,000	---	7,000	4,600	900	7,100	<350	0.49	Not operating
	6/6/2001	14.88	---	81.99		43,000	12,000	---	3,000	1,000	770	5,200	<400	1.71	Not operating
	8/30/2001	12.43	---	84.44		95,000[a,h]	190,000[d,h]	---	6,900	10,000	2,700	15,000	<250	0.24	Operating
	12/7/2001	24.65	---	72.22		25,000[d]	3,900[e,f]	---	2,500	1,700	64	2,200	<200	0.19	Operating
	3/11/2002	14.69	---	82.18		30,000[d]	2,800[f,e,k]	---	5,000	2,400	190	1,800	<1,300	0.30	Operating
	6/10/2002	22.94	---	73.93		9,000[d]	990[e,k]	---	1,800	1,300	96	1,000	<300	---	Operating
	9/26/2002	18.85	---	78.02		50,000[d,g]	130,000[e,g]	---	3,900	5,400	820	6,600	<500	0.19	Operating
	11/21/2002	17.85	0.05	79.06		37,000[d,g]	120,000[e,g]	---	4,000	660	1,200	5,100	<1,700	0.28	Operating
	1/13/2003	11.43	Sheen [Lab]	85.44		21,000[d,g]	6,300[e,f,g,k]	---	2,400	2,300	390	3,000	<500	0.31	Not operating
	4/25/2003	18.30	---	78.57		12,000[d]	1,200[e]	---	1,800	850	150	1,200	<500	---	Operating
	5/30/2003	13.30	---	83.57		---	---	---	---	---	---	---	---	---	Not operating
	9/3/2003	21.65	---	75.22		8,100[d]	3,300[e]	---	220	170	66	560	<50	---	Operating
	12/2/2003	17.70	Sheen [Lab]	79.17		30,000[d,g]	8,400[e,f,g]	---	2,900	2,100	530	3,600	<500	---	Operating
	3/18/2004	16.49	---	80.38		15,000[d]	2,300[e,f]	---	2,600	990	260	1,700	<300	---	Operating
	6/16/2004	15.40	---	147.54		23,000[d]	8,800[e,f]	---	2,100	1,300	360	2,800	<1,000	---	Operating

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID *TOC*	*Date*	*GW Depth* *(ft TOC)*	*SPH* *(ft)*	*GW Elev.* *(ft msl)*	*Note*	*TPHg* *(µg/L)*	*TPHd* *(µg/L)*	*TPHmo* *(µg/L)*	*Benzene* *(µg/L)*	*Toluene* *(µg/L)*	*Ethylbenzene* *(µg/L)*	*Xylenes* *(µg/L)*	*MTBE* *(µg/L)*	*DO* *(mg/L)*	*DPE System* ***Status***
162.94	9/27/2004	23.65	---	139.29		5,200[d]	1,700[e,f]	---	430	220	100	680	250	0.55	Operating
MW-3	12/27/2004	14.58	Sheen [Lab]	148.36		32,000[d,g]	24,000[e,f,g,k]	---	4,400	2,800	650	4,800	<250	0.71	Not operating
Continued	3/7/2005	6.91	Sheen [Field & Lab]	156.03		50,000[d,g]	14,000[e,f,g]	---	6,100	2,100	1,300	7,400	<500	0.62	Not operating
	6/21/2005	10.79	Sheen [Field & Lab]	152.15		44,000[d,g]	12,000[e,g]	---	4,900	870	1,100	6,500	<1,200	---	Not operating
	9/21/2005	15.73	Sheen [Field & Lab]	147.21		41,000[d,g]	16,000[e,f,k,g]	---	3,700	480	930	5,700	<500	0.90	Not operating
	12/14/2005	13.65	Sheen [Field & Lab]	149.29		53,000[d,g]	19,000[e,f,k,g]	---	4,700	350	1,100	7,400	<1,000	0.95	Not operating
	3/22/2006	8.10	Sheen [Field & Lab]	154.84		45,000[d,g]	15,000[e,f,k,g]	---	4,300	390	1,100	5,300	<1,000	0.88	Not operating
	6/30/2006	14.10	Sheen [Field & Lab]	148.84		44,000[d,g]	15,000[e,f,k,g]	---	4,000	160	550	4,000	<450	0.81	Not operating
	9/5/2006	16.25	Sheen [Field & Lab]	146.69		56,000[d,g]	16,000[e,f,k,g]	---	5,400	300	1,200	6,200	<500	0.55	Not operating
	12/6/2006	15.25	Sheen [Field & Lab]	147.69		44,000 [d,g]	19,000 [e,f,k,g]	---	4,500	110	930	3,600	<500	0.70	Not operating
	3/16/2007	10.25	Sheen [Field & Lab]	152.69		72,000 [d,g]	5,300 [e,f,k,g]	---	6,500	420	1,200	3,900	<1,000	0.61	Not operating
	6/15/2007	14.57	Sheen [Field & Lab]	148.37		56,000 [d,g]	25,000 [e,k,f,g]	---	5,100	200	1,100	3,200	<1000	0.48	Not operating
	9/6/2007	16.55	Sheen [Field & Lab]	146.39		41,000 [d,g]	14,000 [e,f,g]	---	4,400	180	1,000	3,800	<700	0.70	Not operating
	12/8/2007	14.49	Sheen [Field & Lab]	148.45		33,000 [d,g]	4,000 [e,f,g]	---	4,300	120	370	2,200	<250	0.77	Not operating
	3/9/2008	10.40	Sheen [Field]	152.54	Z	23,000 [d]	3,400 [e]	310	4,200	120	650	1,600	<250	0.71	Not operating
	6/14/2008	15.92	Sheen [Field]	147.02	Z	36,000 [d]	4,900 [e]	600	4,700	140	830	1,600	<500	1.05	Not operating
	9/6/2008	**16.65**	**Sheen [Field & Lab]**	**146.29**	**Z[TPHd]**	**42,000 [d,g]**	**7,900 [e,f,g]**	**---**	**5,800**	**190**	**1,100**	**2,400**	**<800**	**1.03**	Not operating
MW-4	3/20/1997	13.75	---	83.59		47,000	3,100	---	11,000	4,500	1,100	5,200	3,400	8.4	
97.34	6/25/1997	16.15	---	81.19		61,000	5,800[b]	---	16,000	6,100	1,500	5,900	780[c]	1.4	
	9/17/1997	17.10	---	80.24		60,000[d]	4,400[e]	---	17,000	4,900	1,500	5,700	<1,500	1.5	
	12/22/1997	9.21	---	88.13		43,000[d]	3,100[e]	---	13,000	3,900	1,100	4,200	<960	3.7	
	3/18/1998	9.54	---	87.80		58,000[d]	5,500[e,f]	---	14,000	4,700	1,400	5,700	<1,200	0.8	
	7/14/1998	14.15	---	83.19		73,000[d]	2,900[e,f]	---	22,000	7,000	1,800	7,300	<200	1.0	
	9/30/1998	16.84	---	80.50		39,000	2,100	---	12,000	2,700	1,000	3,400	510	1.1	
	12/8/1998	13.45	---	83.89		27,000	1,600	---	8,900	1,600	730	2,300	<1,500	---	
	3/29/1999	9.10	---	88.24		48,000[d]	2,400[e,f,h]	---	15,000	3,000	1,300	5,000	1,300	1.32	
	06/29/99*	---	---	---		---	---	---	---	---	---	---	---	---	
	9/28/1999	16.58	---	80.76		24,000[d]	3,200[e,f]	---	7,500	1,200	190	2,200	210	14.29[#]	
	12/10/1999	13.99	---	83.35		47,000[d]	3,100[e,f]	---	12,000	1,800	1,000	4,400	<100	0.62	
	3/23/2000	10.22	---	87.12		40,000[d]	3,100[e,f]	---	11,000	1,600	910	3,100	690	---	
MW-4	9/7/2000	16.40	---	80.94		43,000[d]	5,900[e]	---	10,000	1,100	1,100	3,400	<450	1.04	

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID TOC	Date	GW Depth (ft TOC)	SPH (ft)	GW Elev. (ft msl)	Note	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	DPE System Status
Continued	12/5/2000	15.55	---	81.79		69,000[d,g]	2,600[e,g]	---	16,000	1,300	1,300	3,400	<200	0.35	Not operating
	3/20/2001	14.03	---	83.31		46,000	---	---	13,000	1,000	900	2,800	<350	0.39	Not operating
	6/6/2001	15.49	---	81.85		75,000	5,400	---	22,000	1,800	1,900	6,400	<1,200	2.22	Not operating
	8/30/2001	18.00	---	79.34		43,000[a]	3,200[d]	---	6,400	630	510	2,600	<200	0.32	Operating
	12/7/2001	23.45	---	73.89		32,000[d,g]	11,000[e,f,g]	---	4,500	740	310	2,300	<200	0.21	Operating
	3/11/2002	14.95	---	82.39		15,000[d]	1,600[e,f,k]	---	3,700	500	92	790	<500	0.30	Operating
	6/10/2002	22.30	---	75.04		9,400[d]	3,400[e]	---	1,400	50	<5.0	690	<200	---	Operating
	9/26/2002	17.93	---	79.41		21,000[d]	800[e]	---	3,300	1,300	450	2,900	<500	0.24	Operating
	11/21/2002	17.55	---	79.79		5,700[d]	2,400[e,k]	---	1,400	290	63	640	550	---	Operating
	1/13/2003	11.75	Sheen [Lab]	85.59		35,000[d,g]	15,000[e,f,g,k]	---	5,100	1,500	510	4,500	<800	0.28	Not operating
	4/25/2003	19.37	---	77.97		6,600[d]	2,200[e,f]	---	960	130	100	560	<170	---	Operating
	5/30/2003	13.56	---	83.78		---	---	---	---	---	---	---	---	---	Not operating
	9/3/2003	21.65	---	75.69		29,000[d]	27,000[e,f]	---	2,200	380	280	2,300	65	---	Operating
	12/2/2003	19.17	---	78.17		13,000[d]	5,800[e,f]	---	1,300	180	120	1,900	<250	---	Operating
	3/18/2004	14.92	---	82.42		5,300[d]	1,500[e]	---	1,300	55	37	440	<180	---	Operating
163.49	6/16/2004	16.02	---	147.47		9,100[d]	3,400[e,f]	---	940	96	120	800	<50	---	Not operating
	9/27/2004	19.93	---	143.56		1,300[d]	980[e,f,k]	---	140	10	11	81	<50	0.68	Not operating
	12/27/2004	14.79	Sheen [Lab]	148.70		10,000[d,g]	5,300[e,f,g,k]	---	1,000	99	34	1,600	<50	0.74	Not operating
	3/7/2005	7.81	Sheen [Field & Lab]	155.68		15,000[d,g]	9,300[e,f,g]	---	1,100	140	88	1,900	<100	0.65	Not operating
	6/21/2005	11.82	Sheen [Field & Lab]	151.67		30,000[d,g]	12,000[e,g]	---	3,300	270	250	2,800	<500	---	Not operating
	9/21/2005	16.55	Sheen [Field & Lab]	146.94		12,000[d,g]	15,000[e,f,k,g]	---	540	100	54	1,800	<50	0.89	Not operating
	12/14/2005	14.43	Sheen [Field & Lab]	149.06		5,200[d,g]	9,800[e,f,k,g]	---	710	41	91	540	<50	0.91	Not operating
	3/22/2006	7.52	Sheen [Field & Lab]	155.97		17,000[d,g]	9,300[e,f,k,g]	---	2,000	230	150	1,900	<50	0.80	Not operating
	6/30/2006	15.00	Sheen [Field & Lab]	148.49		18,000[d,g]	19,000[e,f,g]	---	1,400	50	60	1,300	<100	0.85	Not operating
	9/5/2006	16.96	Sheen [Field & Lab]	146.53		30,000[d,g]	9,400[e,f,k,g]	---	1,400	180	110	4,300	<500	0.75	Not operating
	12/6/2006	15.95	Sheen [Field & Lab]	147.54		21,000 [d,g]	22,000 [e,f,g]	---	920	56	73	1,500	<100	0.71	Not operating
	3/16/2007	10.71	Sheen [Field & Lab]	152.78		13,000 [d,g]	2,700 [e,f,k,g]	---	1,400	32	93	740	<100	0.65	Not operating
	6/15/2007	15.43	Sheen [Field & Lab]	148.06		14,000 [d,g]	7,200 [e,g]	---	1,200	46	63	850	<110	0.61	Not operating
	9/6/2007	17.25	Sheen [Field & Lab]	146.24		27,000 [d,g]	8,400 [e,f,k,g]	---	1,500	150	120	4,500	<250	0.55	Not operating
	12/8/2007	15.15	Sheen [Field & Lab]	148.34		7,600 [d,g]	790 [e,f,g]	---	690	27	39	570	<80	0.72	Not operating
	3/9/2008	10.77	Sheen [Field]	152.72	Z	8,100 [d]	3,000 [e]	<250	830	7.7	55	310	<50	0.79	Not operating
MW-4	6/14/2008	16.68	Sheen [Field]	146.81	Z	15,000 [d]	4,200 [e]	<250	1,100	50	86	1,300	<150	1.20	Not operating

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID *TOC*	*Date*	*GW Depth* *(ft TOC)*	*SPH* *(ft)*	*GW Elev.* *(ft msl)*	*Note*	*TPHg* *(µg/L)*	*TPHd* *(µg/L)*	*TPHmo* *(µg/L)*	*Benzene* *(µg/L)*	*Toluene* *(µg/L)*	*Ethylbenzene* *(µg/L)*	*Xylenes* *(µg/L)*	*MTBE* *(µg/L)*	*DO* *(mg/L)*	*DPE System* ***Status***
Continued	**9/6/2008**	**17.27**	**Sheen** Field & Lab	**146.22**	**Z**TPHd	**24,000** d,g	**2,800** e,g	**---**	**1,400**	**65**	**130**	**2,300**	**<250**	**1.28**	Not operating
RW-5	1/13/2003	10.20	---	---		14,000	3,000	---	2,100	750	300	1,800	950	0.17	
162.34	3/18/2003	14.48	---	---		12,000	--	---	2,000	380	190	1,500	830	---	
	6/16/2004	14.73	---	147.61		---	---	---	---	---	---	---	---	---	Not operating
	9/27/2004	25.55	---	136.79		---	---	---	---	---	---	---	---	---	Operating
	12/27/2004	10.45	---	151.89		---	---	---	---	---	---	---	---	---	Not operating
	3/7/2005	4.42	Sheen Field	157.92		7,000d	6,100e,f,k	---	720	63	97	670	<400	0.93	Not operating
	6/21/2005	10.02	Sheen Field	152.32		11,000d	490e	---	1,200	67	68	690	<500	---	Not operating
	9/21/2005	15.07	Sheen Field & Lab	147.27		2,000d,g	2,500e,f,k,g	---	390	16	24	170	1,300	0.99	Not operating
	12/14/2005	12.95	Sheen Field & Lab	149.39		8,900d,g	6,200e,f,k,g	---	1,500	92	180	750	2,300	1.03	Not operating
	3/22/2006	2.55	Sheen Field	159.79		7,400d	2,700e,f,k	---	59	76	20	120	<50	1.10	Not operating
	6/30/2006	13.32	Sheen Field	149.02		3,100d	3,100e,f,k	---	590	15	27	88	410	0.89	Not operating
	9/5/2006	15.55	Sheen Field & Lab	146.79		5,300d,g	3,200e,f,k,g	---	1,000	31	61	230	370	0.81	Not operating
	12/6/2006	14.53	Sheen Field & Lab	147.81		8,500 d,g	5,500 e,f,g	---	1,200	24	91	250	<900	0.79	Not operating
	3/16/2007	8.81	Sheen Field & Lab	153.53		2,400 d,g	2,500 e,f,k,g	---	180	3.3	7.3	10	<17	0.62	Not operating
	6/15/2007	13.84	Sheen Field & Lab	148.50		3,700 d,g	2,000 e,k,f,g	---	730	14	36	80	<150	0.65	Not operating
	9/6/2007	15.85	Sheen Field	146.49		2,500 d	1,000 e,f	---	600	12	24	92	180	0.68	Not operating
	12/8/2007	13.99	Sheen Field	148.35		1,900 d	370 e,f	---	220	4.0	10	38	500	0.74	Not operating
	3/9/2008	8.77	Sheen Field	153.57	Z	1,100 d	90 e	<250	220	5.3	4.9	10	<90	0.92	Not operating
	6/14/2008	15.21	Sheen Field	147.13	Z	1,200 d	190 e	<250	310	5.8	3.5	25	<250	1.73	Not operating
	9/6/2008	**16.01**	Sheen Field	**146.33**	**Z**TPHd	**1,100** d	**220** e	**---**	**120**	**2.6**	**2.2**	**13**	**120**	**1.42**	Not operating
RW-6	3/11/2002	--	---	---		14,000	3,100	---	970	520	170	2,200	<130	---	
162.36	1/13/2003	10.35	---	---		15,000	2,900	---	2,200	1,200	130	2,200	440	0.24	
	3/18/2004	11.47	---	---		8,500	---	---	1,300	260	71	990	1,300	--	
	6/16/2004	14.80	---	147.56		---	---	---	---	---	---	---	---	---	Not operating
	9/27/2004	18.46	---	143.90		---	---	---	---	---	---	---	---	---	Not operating
	12/27/2004	9.82	---	152.54		---	---	---	---	---	---	---	---	---	Not operating
	3/7/2005	6.05	---	156.31		---	---	---	---	---	---	---	---	---	Not operating
	6/21/2005	10.13	---	152.23		---	---	---	---	---	---	---	---	---	Not operating
RW-6	9/21/2005	15.13	---	147.23		---	---	---	---	---	---	---	---	---	Not operating

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID *TOC*	*Date*	*GW Depth* *(ft TOC)*	*SPH* *(ft)*	*GW Elev.* *(ft msl)*	*Note*	*TPHg* *(µg/L)*	*TPHd* *(µg/L)*	*TPHmo* *(µg/L)*	*Benzene* *(µg/L)*	*Toluene* *(µg/L)*	*Ethylbenzene* *(µg/L)*	*Xylenes* *(µg/L)*	*MTBE* *(µg/L)*	*DO* *(mg/L)*	*DPE System Status*
Continued	12/14/2005	13.02	---	149.34		---	---	---	---	---	---	---	---	---	Not operating
	3/22/2006	5.85	---	156.51		---	---	---	---	---	---	---	---	---	Not operating
	6/30/2006	13.44	---	148.92		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2006	15.63	---	146.73		---	---	---	---	---	---	---	---	---	Not operating
	12/6/2006	14.63	---	147.73		---	---	---	---	---	---	---	---	---	Not operating
	3/16/2007	8.89	---	153.47		---	---	---	---	---	---	---	---	---	Not operating
	6/15/2007	13.90	---	148.46		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2007	15.92	---	146.44		---	---	---	---	---	---	---	---	---	Not operating
	12/8/2007	14.21	---	148.15		---	---	---	---	---	---	---	---	---	Not operating
	3/9/2008	8.93	---	153.43		---	---	---	---	---	---	---	---	---	Not operating
	6/14/2008	15.28	---	147.08		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2008	**16.08**	---	**146.28**		---	---	---	---	---	---	---	---	---	Not operating
RW-7	3/11/2002	---	---	---		<50	<50	---	<0.5	<0.5	<0.5	<0.5	<5.0	---	
162.72	1/13/2003	10.95	---	---		<50	67	---	<0.5	<0.5	<0.5	<0.5	<5.0	0.22	
	3/18/2004	15.33	---	---		250	---	---	66	4.8	3.2	10	<15	--	
	6/16/2004	15.22	---	147.50		---	---	---	---	---	---	---	---	---	Not operating
	9/27/2004	18.98	---	143.74		---	---	---	---	---	---	---	---	---	Not operating
	12/27/2004	9.85	---	152.87		---	---	---	---	---	---	---	---	---	Not operating
	3/7/2005	5.82	---	156.90		---	---	---	---	---	---	---	---	---	Not operating
	6/21/2005	10.85	---	151.87		---	---	---	---	---	---	---	---	---	Not operating
	9/21/2005	15.70	---	147.02		---	---	---	---	---	---	---	---	---	Not operating
	12/14/2005	13.58	---	149.14		---	---	---	---	---	---	---	---	---	Not operating
	3/22/2006	5.75	---	156.97		---	---	---	---	---	---	---	---	---	Not operating
	6/30/2006	14.05	---	148.67		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2006	16.12	---	146.60		---	---	---	---	---	---	---	---	---	Not operating
	12/6/2006	15.13	---	147.59		---	---	---	---	---	---	---	---	---	Not operating
	3/16/2007	9.69	---	153.03		---	---	---	---	---	---	---	---	---	Not operating
	6/15/2007	14.54	---	148.18		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2007	16.42	---	146.30		---	---	---	---	---	---	---	---	---	Not operating
	12/8/2007	14.46	---	148.26		---	---	---	---	---	---	---	---	---	Not operating
RW-7	3/9/2008	9.69	---	153.03		---	---	---	---	---	---	---	---	---	Not operating

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID *TOC*	*Date*	*GW Depth* *(ft TOC)*	*SPH* *(ft)*	*GW Elev.* *(ft msl)*	*Note*	*TPHg* *(µg/L)*	*TPHd* *(µg/L)*	*TPHmo* *(µg/L)*	*Benzene* *(µg/L)*	*Toluene* *(µg/L)*	*Ethylbenzene* *(µg/L)*	*Xylenes* *(µg/L)*	*MTBE* *(µg/L)*	*DO* *(mg/L)*	*DPE System* ***Status***
Continued	6/14/2008	15.80	---	146.92		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2008	**16.51**	---	**146.21**		---	---	---	---	---	---	---	---	---	Not operating
RW-8	3/11/2002	---	---	---		1,300	80	---	620	11	15	14	<60	---	
164.13	1/13/2003	12.80	---	---		390	56	---	150	11	4.1	4.1	13	0.31	
	3/18/2004	15.34	---	---		760	---	---	310	9.9	11	16	<25	---	
	6/16/2004	16.41	---	147.72		---	---	---	---	---	---	---	---	---	Not operating
	9/27/2004	19.74	---	144.39		---	---	---	---	---	---	---	---	---	Not operating
	12/27/2004	12.32	---	151.81		---	---	---	---	---	---	---	---	---	Not operating
	3/7/2005	8.10	---	156.03		---	---	---	---	---	---	---	---	---	Not operating
	6/21/2005	12.15	---	151.98		---	---	---	---	---	---	---	---	---	Not operating
	9/21/2005	16.90	---	147.23		---	---	---	---	---	---	---	---	---	Not operating
	12/14/2005	14.80	---	149.33		---	---	---	---	---	---	---	---	---	Not operating
	3/22/2006	7.88	---	156.25		---	---	---	---	---	---	---	---	---	Not operating
	6/30/2006	15.31	---	148.82		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2006	17.38	---	146.75		---	---	---	---	---	---	---	---	---	Not operating
	12/6/2006	16.37	---	147.76		---	---	---	---	---	---	---	---	---	Not operating
	3/16/2007	11.04	---	153.09		---	---	---	---	---	---	---	---	---	Not operating
	6/15/2007	15.81	---	148.32		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2007	17.63	---	146.50		---	---	---	---	---	---	---	---	---	Not operating
	12/8/2007	15.60	---	148.53		---	---	---	---	---	---	---	---	---	Not operating
	3/9/2008	11.05	---	153.08		---	---	---	---	---	---	---	---	---	Not operating
	6/14/2008	17.07	---	147.06		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2008	**17.70**	---	**146.43**		---	---	---	---	---	---	---	---	---	Not operating
RW-9	3/11/2002	---	---	---		12,000	880	---	3,400	230	78	1,300	<240	---	
163.86	1/13/2003	11.85	---	---		23,000	2,000	---	7,700	610	310	310	<500	0.39	
	3/18/2004	13.69	---	---		2,300	---	---	770	32	15	200	<50	---	
	6/16/2004	16.03	---	147.83		---	---	---	---	---	---	---	---	---	Not operating
	9/27/2004	19.83	---	144.03		---	---	---	---	---	---	---	---	---	Not operating
RW-9	12/27/2004	24.88	---	138.98		---	---	---	---	---	---	---	---	---	Not operating
Continued	3/7/2005	7.87	---	155.99		9,000[d]	510[e]	---	2,600	69	200	550	<500	0.91	Not operating

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID TOC	Date	GW Depth (ft TOC)	SPH (ft)	GW Elev. (ft msl)	Note	TPHg (µg/L)	TPHd (µg/L)	TPHmo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	DPE System Status
	6/21/2005	11.90	---	151.96		9,400[d]	630[e]	---	2,400	69	210	470	<350	---	Not operating
	9/21/2005	16.62	Sheen [Lab]	147.24		8,300[d,g]	820[e,f,g]	---	2,500	36	190	310	<170	1.04	Not operating
	12/14/2005	14.52	---	149.34		6,300[d]	1,100[e,f]	---	1,900	29	150	260	<50	0.98	Not operating
	3/22/2006	7.63	---	156.23		7,600[d]	680[e]	---	2,900	59	190	310	<200	0.95	Not operating
	6/30/2006	15.04	---	148.82		14,000[d]	1,400[e]	---	3,100	53	130	260	<300	0.73	Not operating
	9/5/2006	17.02	---	146.84		14,000[d]	1,100[e]	---	3,900	39	200	230	<330	0.69	Not operating
	12/6/2006	16.04	Sheen [Lab]	147.82		13,000 [d,g]	660 [e,g]	---	3,000	29	180	260	<250	0.74	Not operating
	3/16/2007	10.83	Sheen [Lab]	153.03		16,000 [d,g]	1,200 [e]	---	3,700	76	230	340	<350	0.71	Not operating
	6/15/2007	15.48	---	148.38		12,000 [d]	670 [e]	---	3,000	44	170	220	<250	0.68	Not operating
	9/6/2007	17.29	Sheen [Field & Lab]	146.57		13,000 [d,g]	2,200 [e,f,g]	---	2,700	61	240	350	<400	0.66	Not operating
	12/8/2007	15.22	Sheen [Field]	148.64		9,300 [d]	1,000 [e,f]	---	2,900	24	150	170	<250	0.89	Not operating
	3/9/2008	10.86	---	153.00	Z	10,000 [d]	570 [e]	<250	4,200	71	180	380	<35	0.86	Not operating
	6/14/2008	16.71	---	147.15	Z	8,100 d	610	<250	2,800	33	100	220	<210	1.29	Not operating
	9/6/2008	**17.31**	**Sheen [Lab]**	**146.55**	**Z[TPHd]**	**13,000 [d,g]**	**1,600 [e,g]**	**---**	**3,600**	**52**	**170**	**220**	**<350**	**1.22**	Not operating
RW-10	3/11/2002	---	---	---		12,000	740	---	3,900	150	110	1,100	<270	---	
163.02	1/13/2003	10.75	---	---		4,300	330	---	1,500	43	98	98	<100	0.41	
	3/18/2004	13.13	---	---		5,800	---	---	2,400	11	<10	110	<300	---	
	6/16/2004	15.03	---	147.99		---	---	---	---	---	---	---	---	---	Not operating
	9/27/2004	18.35	---	144.67		---	---	---	---	---	---	---	---	---	Not operating
	12/27/2004	19.39	---	143.63		---	---	---	---	---	---	---	---	---	Not operating
	3/7/2005	6.40	---	156.62		---	---	---	---	---	---	---	---	---	Not operating
	6/21/2005	10.95	---	152.07		---	---	---	---	---	---	---	---	---	Not operating
	9/21/2005	15.51	---	147.51		---	---	---	---	---	---	---	---	---	Not operating
	12/14/2005	13.37	---	149.65		---	---	---	---	---	---	---	---	---	Not operating
	3/22/2006	6.53	---	156.49		---	---	---	---	---	---	---	---	---	Not operating
	6/30/2006	14.13	---	148.89		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2006	15.98	---	147.04		---	---	---	---	---	---	---	---	---	Not operating
	12/6/2006	15.02	---	148.00		---	---	---	---	---	---	---	---	---	Not operating
	3/16/2007	9.91	---	153.11		---	---	---	---	---	---	---	---	---	Not operating
RW-10	6/15/2007	14.52	---	148.50		---	---	---	---	---	---	---	---	---	Not operating
Continued	9/6/2007	16.23	---	146.79		---	---	---	---	---	---	---	---	---	Not operating

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID *TOC*	*Date*	*GW Depth* *(ft TOC)*	*SPH* *(ft)*	*GW Elev.* *(ft msl)*	*Note*	*TPHg* *(µg/L)*	*TPHd* *(µg/L)*	*TPHmo* *(µg/L)*	*Benzene* *(µg/L)*	*Toluene* *(µg/L)*	*Ethylbenzene* *(µg/L)*	*Xylenes* *(µg/L)*	*MTBE* *(µg/L)*	*DO* *(mg/L)*	*DPE System Status*
	12/8/2007	14.23	---	148.79		---	---	---	---	---	---	---	---	---	Not operating
	3/9/2008	9.96	---	153.06		---	---	---	---	---	---	---	---	---	Not operating
	6/14/2008	15.64	---	147.38		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2008	**16.23**	---	**146.79**		---	---	---	---	---	---	---	---	---	Not operating
RW-11	3/11/2002	---	---	---		260	<50	---	34	5.3	8.1	48	<5.0	---	
162.57	1/13/2003	9.80	---	---		5,300	2,700	---	490	110	120	120	180	0.24	
	3/18/2004	12.45	---	---		9,300	---	---	980	120	180	770	2,000	---	
	6/16/2004	14.75	---	147.82		---	---	---	---	---	---	---	---	---	Not operating
	9/27/2004	18.44	---	144.13		---	---	---	---	---	---	---	---	---	Not operating
	12/27/2004	10.07	---	152.50		---	---	---	---	---	---	---	---	---	Not operating
	3/7/2005	5.95	---	156.62		---	---	---	---	---	---	---	---	---	Not operating
	6/21/2005	9.96	---	152.61		---	---	---	---	---	---	---	---	---	Not operating
	9/21/2005	15.09	---	147.48		---	---	---	---	---	---	---	---	---	Not operating
	12/14/2005	12.96	---	149.61		---	---	---	---	---	---	---	---	---	Not operating
	3/22/2006	5.70	---	156.87		---	---	---	---	---	---	---	---	---	Not operating
	6/30/2006	13.36	---	149.21		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2006	15.56	---	147.01		---	---	---	---	---	---	---	---	---	Not operating
	12/6/2006	14.55	---	148.02		---	---	---	---	---	---	---	---	---	Not operating
	3/16/2007	8.85	---	153.72		---	---	---	---	---	---	---	---	---	Not operating
	6/15/2007	13.90	---	148.67		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2007	15.84	---	146.73		---	---	---	---	---	---	---	---	---	Not operating
	12/8/2007	13.83	---	148.74		---	---	---	---	---	---	---	---	---	Not operating
	3/9/2008	8.81	---	153.76		---	---	---	---	---	---	---	---	---	Not operating
	6/14/2008	15.26	---	147.31		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2008	**15.99**	---	**146.58**		---	---	---	---	---	---	---	---	---	Not operating
RW-12	3/11/2002	---	---	---		13,000	900	---	4,500	130	130	270	<5.0	---	
163.06	1/13/2003	10.90	---	---		4,100	1,800	---	1,000	130	99	99	<100	0.21	
	3/18/2004	13.63	---	---		17,000	---	---	2,700	960	230	1,500	1,400	---	
RW-12	6/16/2004	15.30	---	147.76		---	---	---	---	---	---	---	---	---	Not operating
Continued	9/27/2004	19.09	---	143.97		---	---	---	---	---	---	---	---	---	Not operating

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID *TOC*	*Date*	*GW Depth* *(ft TOC)*	*SPH* *(ft)*	*GW Elev.* *(ft msl)*	*Note*	*TPHg* *(µg/L)*	*TPHd* *(µg/L)*	*TPHmo* *(µg/L)*	*Benzene* *(µg/L)*	*Toluene* *(µg/L)*	*Ethylbenzene* *(µg/L)*	*Xylenes* *(µg/L)*	*MTBE* *(µg/L)*	*DO* *(mg/L)*	*DPE System* ***Status***
	12/27/2004	10.85	---	152.21		---	---	---	---	---	---	---	---	---	Not operating
	3/7/2005	6.59	---	156.47		---	---	---	---	---	---	---	---	---	Not operating
	6/21/2005	10.58	---	152.48		---	---	---	---	---	---	---	---	---	Not operating
	9/21/2005	15.63	---	147.43		---	---	---	---	---	---	---	---	---	Not operating
	12/14/2005	13.43	---	149.63		---	---	---	---	---	---	---	---	---	Not operating
	3/22/2006	6.35	---	156.71		---	---	---	---	---	---	---	---	---	Not operating
	6/30/2006	13.95	---	149.11		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2006	16.11	---	146.95		---	---	---	---	---	---	---	---	---	Not operating
	12/6/2006	15.11	---	147.95		---	---	---	---	---	---	---	---	---	Not operating
	3/16/2007	9.52	---	153.54		---	---	---	---	---	---	---	---	---	Not operating
	6/15/2007	14.44	---	148.62		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2007	16.42	---	146.64		---	---	---	---	---	---	---	---	---	Not operating
	12/8/2007	14.87	---	148.19		---	---	---	---	---	---	---	---	---	Not operating
	3/9/2008	9.43	---	153.63		---	---	---	---	---	---	---	---	---	Not operating
	6/14/2008	15.74	---	147.32		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2008	**16.58**	---	**146.48**		---	---	---	---	---	---	---	---	---	Not operating
RW-13	3/11/2002	---	---	---		830	79	---	190	13	13	34	<5.0	---	
164.34	1/13/2003	11.20	---	---		210	92	---	54	2.0	2.7	2.7	<5.0	0.35	
	3/18/2004	13.45	---	---		150	---	---	47	1.0	2.1	1.5	<5.0	---	
	6/16/2004	15.83	---	148.51		---	---	---	---	---	---	---	---	---	Not operating
	9/27/2004	19.55	---	144.79		---	---	---	---	---	---	---	---	---	Not operating
	12/27/2004	18.12	---	146.22		---	---	---	---	---	---	---	---	---	Not operating
	3/7/2005	6.90	---	157.44		---	---	---	---	---	---	---	---	---	Not operating
	6/21/2005	11.05	---	153.29		---	---	---	---	---	---	---	---	---	Not operating
	9/21/2005	16.20	---	148.14		---	---	---	---	---	---	---	---	---	Not operating
	12/14/2005	14.11	---	150.23		---	---	---	---	---	---	---	---	---	Not operating
	3/22/2006	6.65	---	157.69		---	---	---	---	---	---	---	---	---	Not operating
	6/30/2006	14.44	---	149.90		---	---	---	---	---	---	---	---	---	Not operating
RW-13	9/5/2006	16.62	---	147.72		---	---	---	---	---	---	---	---	---	Not operating
Continued	12/6/2006	15.70	---	148.64		---	---	---	---	---	---	---	---	---	Not operating

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID *TOC*	*Date*	*GW Depth* *(ft TOC)*	*SPH* *(ft)*	*GW Elev.* *(ft msl)*	*Note*	*TPHg* *(µg/L)*	*TPHd* *(µg/L)*	*TPHmo* *(µg/L)*	*Benzene* *(µg/L)*	*Toluene* *(µg/L)*	*Ethylbenzene* *(µg/L)*	*Xylenes* *(µg/L)*	*MTBE* *(µg/L)*	*DO* *(mg/L)*	*DPE System Status*
	3/16/2007	9.93	---	154.41		---	---	---	---	---	---	---	---	---	Not operating
	6/15/2007	14.98	---	149.36		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2007	16.95	---	147.39		---	---	---	---	---	---	---	---	---	Not operating
	12/8/2007	14.97	---	149.37		---	---	---	---	---	---	---	---	---	Not operating
	3/9/2008	9.85	---	154.49		---	---	---	---	---	---	---	---	---	Not operating
	6/14/2008	16.32	---	148.02		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2008	**17.10**	---	**147.24**		---	---	---	---	---	---	---	---	---	Not operating
RW-14	3/11/2002	---	---	---		270	82	---	44	0.99	<0.5	4.2	<5.0	---	
163.76	1/13/2003	11.00	---	---		3700	6800	---	230	77	91	91	<50	0.38	
	3/18/2004	12.81	---	---		220	---	---	42	1.4	0.99	5.2	<5.0	---	
	6/16/2004	15.41	---	148.35		---	---	---	---	---	---	---	---	---	Not operating
	9/27/2004	19.20	---	144.56		---	---	---	---	---	---	---	---	---	Not operating
	12/27/2004	12.62	---	151.14		---	---	---	---	---	---	---	---	---	Not operating
	3/7/2005	6.61	---	157.15		---	---	---	---	---	---	---	---	---	Not operating
	6/21/2005	10.80	---	152.96		---	---	---	---	---	---	---	---	---	Not operating
	9/21/2005	15.82	---	147.94		---	---	---	---	---	---	---	---	---	Not operating
	12/14/2005	13.73	---	150.03		---	---	---	---	---	---	---	---	---	Not operating
	3/22/2006	6.43	---	157.33		---	---	---	---	---	---	---	---	---	Not operating
	6/30/2006	14.10	---	149.66		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2006	16.21	---	147.55		---	---	---	---	---	---	---	---	---	Not operating
	12/6/2006	15.31	---	148.45		---	---	---	---	---	---	---	---	---	Not operating
	3/16/2007	9.66	---	154.10		---	---	---	---	---	---	---	---	---	Not operating
	6/15/2007	14.61	---	149.15		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2007	16.54	---	147.22		---	---	---	---	---	---	---	---	---	Not operating
	12/8/2007	14.57	---	149.19		---	---	---	---	---	---	---	---	---	Not operating
	3/9/2008	9.60	---	154.16		---	---	---	---	---	---	---	---	---	Not operating
	06/14/08	15.90	---	147.86		---	---	---	---	---	---	---	---	---	Not operating
	09/06/08	**16.68**	**---**	**147.08**		---	---	---	---	---	---	---	---	---	Not operating

Methods and Abbreviations:

Notes:

TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA
FORMER EXXON SERVICE STATION
3055 35th AVENUE, OAKLAND, CALIFORNIA

Well ID	*Date*	*GW Depth*	*SPH*	*GW Elev.*	*Note*	*TPHg*	*TPHd*	*TPHmo*	*Benzene*	*Toluene*	*Ethylbenzene*	*Xylenes*	*MTBE*	*DO*	*DPE System*
TOC		*(ft TOC)*	*(ft)*	*(ft msl)*		*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(mg/L)*	***Status***

TOC = Top of casing elevation measured in feet relative to surveyor's datum.

All site wells were re-surveyed by Virgil Chavez Land Surveying on June 2, 2004 to the CA State Coordinate System, Zone III (NAD83). Benchmark elevation = 177.397 feet (NGVD 29)

TOC GW Depth = Groundwater depth measured in feet below TOC.

GW Elev. = Groundwater elevation measured in feet above mean sea level.

ft = Measured in feet

SPH = Separate-phase hydrocarbons depth measured from TOC.

Z = Laboratory used Zemo Gravity Separtation Protocol for Extractables & Purgeables

Z^{TPHd} = Laboratory used Zemo Gravity Separtation Protocol for Extractables (TPHd)

TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method SW8015C

TPHd = Total petroleum hydrocarbons as diesel by modified EPA Method SW8015C

TPHmo = Total petroleum hydrocarbons as motor oil by modified EPA Method SW8015C

Benzene, Toluene, Ethylbenzene, and Xylenes by EPA Method SW8021B

MTBE = Methyl tertiary-butyl ether by EPA Method SW8021B

DO = Dissolved oxygen

mg/L = Micrograms per liter, equivalent to parts per billion in water

mg/L = Milligrams per liter, equivalent to parts per million in water

DPE = Dual-phase extraction remediation

Sheen = A sheen was observed on the water's surface.

Field = Observed in field

Lab = Observed in analytical laboratory

a = Result has an atypical pattern for diesel analysis

b = Result appears to be a lighter hydrocarbon than diesel

c = There is a >40% difference between primary and confirmation analysis

d = Unmodified or weakly modified gasoline is significant

e = Gasoline range compounds are significant

f = Diesel range compounds are significant; no recognizable pattern

g = Lighter than water immiscible sheen/product is present

h = One to a few isolated peaks present

i = Medium boiling point pattern does not match diesel (stoddard solvent)

j = Aged diesel is significant

k = Oil range compounds are significant

l = Liquid sample that contains greater than ~1 vol. % sediment

m = Stoddard solvent/mineral spirit

* = Well inaccessible during site visit

** = No water in well due to system operating in well, value reflects total well depth.

= abnormally high reading due to added hydrogen peroxide

--- = Not sampled; not analyzed ; not applicable; or no SPH measured or observed

APPENDIX A

STANDARD FIELD PROCEDURES FOR GROUNDWATER MONITORING AND SAMPLING

Conestoga-Rovers & Associates

STANDARD FIELD PROCEDURES FOR GROUNDWATER MONITORING AND SAMPLING

This document presents standard field methods for groundwater monitoring, purging and sampling, and well development. These procedures are designed to comply with Federal, State and local regulatory guidelines. CRA's specific field procedures are summarized below.

Groundwater Elevation Monitoring

Prior to performing monitoring activities, the historical monitoring and analytical data of each monitoring well shall be reviewed to determine if any of the wells are likely to contain non-aqueous phase liquid (NAPL) and to determine the order in which the wells will be monitored (i.e. cleanest to dirtiest). Groundwater monitoring should not be performed when the potential exists for surface water to enter the well (i.e. flooding during a rainstorm).

Prior to monitoring, each well shall be opened and the well cap removed to allow water levels to stabilize and equilibrate. The condition of the well box and well cap shall be observed and recommended repairs noted. Any surface water that may have entered and flooded the well box should be evacuated prior to removing the well cap. In wells with no history of NAPL, the static water level and total well depth shall be measured to the nearest 0.01 foot with an electronic water level meter. Wells with the highest contaminant concentrations shall be measured last. In wells with a history of NAPL, the NAPL level/thickness and static water level shall be measured to the nearest 0.01 foot using an electronic interface probe. The water level meter and/or interface probe shall be thoroughly cleaned and decontaminated at the beginning of the monitoring event and between each well. Monitoring equipment shall be washed using soapy water consisting of Liqui-nox™ or Alconox™ followed by one rinse of clean tap water and then two rinses of distilled water.

Groundwater Purging and Sampling

Prior to groundwater purging and sampling, the historical analytical data of each monitoring well shall be reviewed to determine the order in which the wells should be purged and sampled (i.e. cleanest to dirtiest). No purging or groundwater sampling shall be performed on wells with a measurable thickness of NAPL or floating NAPL globules. If a sheen is observed, the well should be purged and a groundwater sample collected only if no NAPL is present. Wells shall be purged either by hand using a disposal or PVC bailer or by using an aboveground pump (e.g. peristaltic or Wattera™) or down-hole pump (e.g. Grundfos™ or DC Purger pump).

Groundwater wells shall be purged approximately three to ten well-casing volumes (depending on the regulatory agency requirements) or until groundwater parameters of temperature, pH, and conductivity have stabilized to within 10% for three consecutive readings. Temperature, pH, and conductivity shall be measured and recorded at least once per well casing volume removed. The total volume of groundwater removed shall be recorded along with any other notable physical characteristic such as color and odor. If required, field parameters such as turbidity, dissolved oxygen (DO), and oxidation-reduction potential (ORP) shall also be measured prior to collection of each groundwater sample.

Groundwater samples shall be collected after the well has been purged. If the well is slow to recharge, a sample shall be collected after the water column is allowed to recharge to 80% of the pre-purging static water level. If the well does not recover to 80% in 2 hours, a sample shall be collected once there is enough groundwater in the well. Groundwater samples shall be collected using clean disposable bailers or pumps (if an operating remediation system exists on site and the project manager approves of its use for sampling) and shall be decanted into clean containers

supplied by the analytical laboratory. New latex gloves and disposable tubing or bailers shall be used for sampling each well. If a PVC bailer or down-hole pump is used for groundwater purging, it shall be decontaminated before purging each well by using soapy water consisting of Liqui-nox™ or Alconox™ followed by one rinse of clean tap water and then two rinses of distilled water. If a submersible pump with non-dedicated discharge tubing is used for groundwater purging, both the inside and outside of pump and discharge tubing shall be decontaminated as described above.

Sample Handling

Except for samples that will be tested in the field, or that require special handling or preservation, samples shall be stored in coolers chilled to 4° C for shipment to the analytical laboratory. Samples shall be labeled, placed in protective foam sleeves or bubble wrap as needed, stored on crushed ice at or below 4° C, and submitted under chain-of-custody (COC) to the laboratory. The laboratory shall be notified of the sample shipment schedule and arrival time. Samples shall be shipped to the laboratory within a time frame to allow for extraction and analysis to be performed within the standard sample holding times.

Sample labels shall be filled out using indelible ink and must contain the site name; field identification number; the date, time, and location of sample collection; notation of the type of sample; identification of preservatives used; remarks; and the signature of the sampler. Field identification must be sufficient to allow easy cross-reference with the field datasheet.

All samples submitted to the laboratory shall be accompanied by a COC record to ensure adequate documentation. A copy of the COC shall be retained in the project file. Information on the COC shall consist of the project name and number; project location; sample numbers; sampler/recorder's signature; date and time of collection of each sample; sample type; analyses requested; name of person receiving the sample; and date of receipt of sample.

Laboratory-supplied trip blanks shall accompany the samples and be analyzed to check for cross-contamination, if requested by the project manager.

Waste Handling and Disposal

Groundwater extracted during sampling shall be stored onsite in sealed U.S. DOT H17 55-gallon drums and shall be labeled with the contents, date of generation, generator identification, and consultant contact. Extracted groundwater may be disposed offsite by a licensed waste handler or may be treated and discharged via an operating onsite groundwater extraction/treatment system.

APPENDIX B

CERTIFIED ANALYTICAL REPORTS AND CHIAIN OF CUSTODY DOCUMENTATION

McCampbell Analytical, Inc.
"When Quality Counts"

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

Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #130105; Golden Empire Properties	Date Sampled: 09/06/08
		Date Received: 09/09/08
	Client Contact: Mark Jonas	Date Reported: 09/16/08
	Client P.O.:	Date Completed: 09/16/08

WorkOrder: 0809236

September 16, 2008

Dear Mark:

Enclosed within are:

1) The results of the **6** analyzed samples from your project: **#130105; Golden Empire Properties,**
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

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

McCAMPBELL ANALYTICAL, INC.

534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701 0809236
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: Mark Jonas Bill To: Conestoga-Rovers & Associates

Company: Conestoga-Rovers & Associates
5900 Hollis St., Ste A
Emeryville, CA

E-Mail: mjonas@crawworld.com

Tele: (510) 420-3307 Fax: (510) 420-9170

Project #: 130105 Project Name: Golden Empire Properties

Project Location: 3055 35th Ave., Oakland, CA

Sampler Signature: Muskan Environmental Sampling

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015) with silica gel cleanup	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (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)	TAME, DIPE, ETBE, TBA, EDB, EDC by 8260B	Zemo protocol for extractables being analyzed
MW-1		9-6-08	5:50	5	VOA Amb	X					X	X			X	X															X	
MW-2			6:40																													
MW-3			6:10																													
MW-4			6:00																													
RW-5			6:20																													
RW-9		X	5:40	X	X	X					X	X			X	X															X	X

Relinquished By:	Date:	Time:	Received By:
	9/9/08	1416	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° 0.8
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

	VOAS	O&G	METALS	OTHER
PRESERVATION	✓		pH<2	

COMMENTS: Attached: Zemo Protocol for extractables being analyzed

Filter Samples for Metals analysis: Yes / No

Zemo & Associates LLC
986 Wander Way
Incline Village, NV 89451
Tel/Fax: 775-831-6179
dazemo@zemoassociates.com

Protocol for Gravity Separation of Groundwater Samples to Isolate the Water Phase

Groundwater samples may contain non-dissolved petroleum resulting from entrained sheen and/or entrained petroleum-affected soil particles. The objective of this procedure is to separate the oil phase and the particulate matter solid phase from the water phase prior to extraction and analysis of the sample. In this way, the analysis will better represent the true dissolved-phase of the sample. The success of this procedure depends on many factors, including adequate time for separation, and complete exclusion of the oil and particulate matter phases from the collected water phase.

For groundwater samples to be analyzed for semi-volatiles (e.g., extractable TPH, PAHs):

1. Pour the raw groundwater sample into a glass separatory funnel of adequate volume.
2. Allow the sample to separate and equilibrate for a minimum of 48 hours. Keep the sample refrigerated during the separation period.
3. After the separation period, the analyst will observe the sample to confirm that the water phase is visually clear. If the water is not visually clear, additional separation time may be required.
4. Open the bottom stopcock of the funnel and allow all of the particulate matter that collected at the bottom to run completely through; discard.
5. Collect an adequate sample volume of the water phase from the bottom of the funnel without including any of the oil phase and place into appropriate containers.
6. Add surrogates to water phase sample and extract as per requested method.

For groundwater samples to be analyzed for volatiles (e.g., purgeable TPH, BTEX, etc.):

1. Store the 40-ml VOA vials upside-down in the refrigerator for a minimum of 48 hours.
2. After the separation period, the vials must remain in the upside-down position while the septum is punctured by the hypodermic needle and the water phase is subsampled. The analyst should keep the needle tip within the water phase and must avoid both the solid and oil phases with the needle tip during subsampling.

3/10/08 5:05pm
6/16/08 1405

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0809236 **ClientCode: CETE**

☐ WriteOn ☑ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Mark Jonas
Conestoga-Rovers & Associates
5900 Hollis St, Suite A
Emeryville, CA 94608
(510) 420-0700 FAX (510) 420-9170

Email: mjonas@CRAworld.com
cc:
PO:
ProjectNo: #130105; Golden Empire Properties

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

Requested TAT: 5 days

Date Received: **09/09/2008**
Date Printed: **09/09/2008**

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
0809236-001	MW-1	Water	9/6/2008 5:50	☐	C	A	A	B								
0809236-002	MW-2	Water	9/6/2008 6:40	☐	C	A		B								
0809236-003	MW-3	Water	9/6/2008 6:10	☐	C	A		B								
0809236-004	MW-4	Water	9/6/2008 6:00	☐	C	A		B								
0809236-005	RW-5	Water	9/6/2008 6:20	☐	C	A		B								
0809236-006	RW-9	Water	9/6/2008 5:40	☐	C	A		B								

Test Legend:

1	5-OXYS+PBSCV_W	2	G-MBTEX_W	3	PREDF REPORT	4	TPH(DMO)-DZ-MAIWSG_W	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.

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

Sample Receipt Checklist

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

Date and Time Received: **09/09/08 3:21:06 PM**

Project Name: **#130105; Golden Empire Properties**

Checklist completed and reviewed by: Maria Venegas

WorkOrder N°: **0809236** 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: 0.8°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 ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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

Conestoga-Rovers & Associates	Client Project ID: #130105; Golden Empire Properties	Date Sampled: 09/06/08
		Date Received: 09/09/08
5900 Hollis St, Suite A	Client Contact: Mark Jonas	Date Extracted: 09/12/08
Emeryville, CA 94608	Client P.O.:	Date Analyzed 09/12/08

Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0809236

Lab ID	0809236-001C	0809236-002C	0809236-003C	0809236-004C	Reporting Limit for DF =1	
Client ID	MW-1	MW-2	MW-3	MW-4		
Matrix	W	W	W	W		
DF	2.5	5	33	5	S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND<1.2	ND<2.5	ND<17	ND<2.5	NA	0.5
t-Butyl alcohol (TBA)	59	92	360	63	NA	2.0
1,2-Dibromoethane (EDB)	ND<1.2	ND<2.5	ND<17	ND<2.5	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<1.2	ND<2.5	ND<17	ND<2.5	NA	0.5
Diisopropyl ether (DIPE)	ND<1.2	ND<2.5	ND<17	ND<2.5	NA	0.5
Ethyl tert-butyl ether (ETBE)	ND<1.2	ND<2.5	ND<17	ND<2.5	NA	0.5
Surrogate Recoveries (%)						
%SS1:	105	106	104	106		
Comments		b6	b6	b6		

* 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 coelutes with another peak; &) low surrogate due to matrix interference.

b6) lighter than water immiscible sheen/product is present

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Conestoga-Rovers & Associates	Client Project ID: #130105; Golden Empire Properties	Date Sampled: 09/06/08
		Date Received: 09/09/08
5900 Hollis St, Suite A	Client Contact: Mark Jonas	Date Extracted: 09/12/08
Emeryville, CA 94608	Client P.O.:	Date Analyzed 09/12/08

Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0809236

					Reporting Limit for DF =1	
Lab ID	0809236-005C	0809236-006C				
Client ID	RW-5	RW-9				
Matrix	W	W				
DF	5	20			S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND<2.5	ND<10			NA	0.5
t-Butyl alcohol (TBA)	410	230			NA	2.0
1,2-Dibromoethane (EDB)	ND<2.5	ND<10			NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<2.5	ND<10			NA	0.5
Diisopropyl ether (DIPE)	ND<2.5	ND<10			NA	0.5
Ethyl tert-butyl ether (ETBE)	ND<2.5	ND<10			NA	0.5
Surrogate Recoveries (%)						
%SS1:	101	101				
Comments		b6				

* 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 coelutes with another peak; &) low surrogate due to matrix interference.

b6) lighter than water immiscible sheen/product is present

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates	Client Project ID: #130105; Golden Empire Properties	Date Sampled: 09/06/08
		Date Received: 09/09/08
5900 Hollis St, Suite A	Client Contact: Mark Jonas	Date Extracted: 09/12/08-09/13/08
Emeryville, CA 94608	Client P.O.:	Date Analyzed 09/12/08-09/13/08

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

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0809236

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-1	W	2400,d1	ND<75	500	11	30	67	5	116
002A	MW-2	W	10,000,d1,b6	ND<180	430	17	270	370	10	112
003A	MW-3	W	42,000,d1,b6	ND<800	5800	190	1100	2400	50	109
004A	MW-4	W	24,000,d1,b6	ND<250	1400	65	130	2300	50	99
005A	RW-5	W	1100,d1	120	120	2.6	2.2	13	1	115
006A	RW-9	W	13,000,d1,b6	ND<350	3600	52	170	220	20	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	µg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b6) lighter than water immiscible sheen/product is present
d1) weakly modified or unmodified gasoline is significant

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Conestoga-Rovers & Associates	Client Project ID: #130105; Golden Empire Properties	Date Sampled: 09/06/08
		Date Received: 09/09/08
5900 Hollis St, Suite A	Client Contact: Mark Jonas	Date Extracted 09/09/08
Emeryville, CA 94608	Client P.O.:	Date Analyzed 09/12/08-09/16/08

Total Extractable Petroleum Hydrocarbons with Dawn Zemo Separation & MAI Silica Gel Clean-Up*

Extraction method: SW3510C/3630C/Dawn Zemo Separat Analytical methods: SW8015C Work Order: 0809236

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	DF	% SS
0809236-001B	MW-1	W	420,e4	1	113
0809236-002B	MW-2	W	2500,e4,b6	1	111
0809236-003B	MW-3	W	7900,e4,e2,b6	1	119
0809236-004B	MW-4	W	2800,e4,b6	1	101
0809236-005B	RW-5	W	220,e4	1	100
0809236-006B	RW-9	W	1600,e4,b6	1	96

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

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

#) cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract; &) low or no surrogate due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b6) lighter than water immiscible sheen/product is present
e2) diesel range compounds are significant; no recognizable pattern
e4) gasoline range compounds are significant.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38102 WorkOrder 0809236

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0809248-001**

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
tert-Amyl methyl ether (TAME)	ND	10	87.8	94.7	7.57	89.7	93.5	4.10	70 - 130	30	70 - 130	30
Benzene	ND	10	94.8	95.6	0.804	103	104	0.863	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	76.3	88.5	14.8	76.8	83.8	8.73	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	93.8	95.8	2.12	96.1	100	3.98	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	92.8	96.9	4.37	102	106	3.23	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	92.4	94.9	2.68	104	107	3.19	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	99.6	104	4.25	115	117	2.22	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	88.7	95.4	7.23	99.5	105	5.04	70 - 130	30	70 - 130	30
Toluene	ND	10	88.5	89.5	1.11	102	103	0.365	70 - 130	30	70 - 130	30
%SS1:	97	25	96	94	1.28	90	98	8.35	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 38102 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809236-001C	09/06/08 5:50 AM	09/12/08	09/12/08 2:31 PM	0809236-002C	09/06/08 6:40 AM	09/12/08	09/12/08 3:14 PM
0809236-003C	09/06/08 6:10 AM	09/12/08	09/12/08 3:57 PM	0809236-004C	09/06/08 6:00 AM	09/12/08	09/12/08 4:40 PM
0809236-005C	09/06/08 6:20 AM	09/12/08	09/12/08 5:24 PM	0809236-006C	09/06/08 5:40 AM	09/12/08	09/12/08 6:07 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.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

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

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38089 WorkOrder 0809236

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0809220-019**

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)£	ND	60	111	111	0	91.2	101	10.1	70 - 130	20	70 - 130	20
MTBE	ND	10	89.5	91.5	2.12	92.6	93.7	1.21	70 - 130	20	70 - 130	20
Benzene	ND	10	96	94.2	1.84	92.7	94	1.37	70 - 130	20	70 - 130	20
Toluene	ND	10	93.2	94	0.880	92.5	94.6	2.34	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	97.7	95	2.80	98.7	100	1.55	70 - 130	20	70 - 130	20
Xylenes	ND	30	95.8	92.7	3.30	110	112	2.16	70 - 130	20	70 - 130	20
%SS:	96	10	111	111	0	99	95	4.00	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 38089 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809236-001A	09/06/08 5:50 AM	09/13/08	09/13/08 11:11 AM				

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

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

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

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not 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.

McCampbell Analytical, Inc.
"When Quality Counts"

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

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38103 WorkOrder 0809236

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0809248-002**

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)£	ND	60	107	104	2.89	110	111	0.866	70 - 130	20	70 - 130	20
MTBE	ND	10	82.3	86.7	5.12	93	82.8	11.5	70 - 130	20	70 - 130	20
Benzene	ND	10	87.1	90	3.29	88.6	87.2	1.65	70 - 130	20	70 - 130	20
Toluene	ND	10	86	89.7	4.20	86.8	86.3	0.590	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	87.7	92.7	5.51	84.6	89.1	5.16	70 - 130	20	70 - 130	20
Xylenes	ND	30	86.5	91.9	6.10	86.9	87.9	1.19	70 - 130	20	70 - 130	20
%SS:	96	10	101	109	7.63	100	99	1.23	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 38103 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809236-002A	09/06/08 6:40 AM	09/13/08	09/13/08 10:38 AM	0809236-003A	09/06/08 6:10 AM	09/12/08	09/12/08 9:39 AM
0809236-004A	09/06/08 6:00 AM	09/12/08	09/12/08 10:12 AM	0809236-005A	09/06/08 6:20 AM	09/12/08	09/12/08 6:36 PM
0809236-006A	09/06/08 5:40 AM	09/12/08	09/12/08 7:55 AM				

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

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

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

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not 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 SW8015C

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38085 WorkOrder 0809236

EPA Method SW8015C **Extraction SW3510C/3630C/Dawn Zemo Separation** **Spiked Sample ID: N/A**

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-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	86.5	84	2.91	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	79	76	5.07	N/A	N/A	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 38085 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809236-001B	09/06/08 5:50 AM	09/09/08	09/12/08 6:36 PM	0809236-002B	09/06/08 6:40 AM	09/09/08	09/16/08 10:39 AM
0809236-003B	09/06/08 6:10 AM	09/09/08	09/16/08 11:48 AM	0809236-004B	09/06/08 6:00 AM	09/09/08	09/16/08 9:17 AM
0809236-005B	09/06/08 6:20 AM	09/09/08	09/15/08 9:44 PM	0809236-006B	09/06/08 5:40 AM	09/09/08	09/16/08 10:29 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.

DHS ELAP Certification 1644

QA/QC Officer

APPENDIX C

FIELD DATA SHEETS

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL GAUGING SHEET

Client: Conestoga-Rovers and Associates

Site Address: 3055 35th Avenue, Oakland, CA

Date: 9/6/2008 **Signature:**

Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-1	8:30		20.66		27.35	
MW-2	8:50		19.41		27.60	
MW-3	8:20		16.65		25.10	
MW-4	8:15		17.27		30.30	
RW-5	8:40		16.01		25.65	
RW-6	8:35		16.08		25.35	
RW-7	8:10		16.51		29.20	
RW-8	8:05		17.70		29.00	
RW-9	8:00		17.31		25.20	
RW-10	7:55		16.23		24.95	
RW-11	8:45		15.99		24.94	

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL GAUGING SHEET

Client: Conestoga-Rovers and Associates

Site Address: 3055 35th Avenue, Oakland, CA

Date: 9/6/2008 **Signature:**

Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
RW-12	8:25		16.58		25.85	
RW-13	7:45		17.10		24.85	
RW-14	7:50		16.68		24.85	

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	9/6/2008
Client:	Conestoga-Rovers and Associates
Site Address:	3055 35th Avenue, Oakland, CA
Well ID:	MW-1
Well Diameter:	4"
Purging Device:	3" PVC Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	27.35
Depth to Water:	20.66
Water Column Height:	6.69
Gallons/ft:	0.65
1 Casing Volume (gal):	4.35
3 Casing Volumes (gal):	13.05

Fe=	**mg/L**
ORP=	**mV**
DO=	1.20 **mg/L**

COMMENTS:
slow recarge

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
10:45	4.3	21.2	6.70	1210
11:15	8.7	21.4	6.66	1193
12:30	13.0	21.0	6.61	1208

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-1	9/6/2008	5:50	40 ml VOA, 1 L Amber	HCl, ICE	TPHg BTEX MTBE TAME DIPE ETBE TBA EDB EDC TPHd	8015 with silica gel clean up, 8021 (Zemo) 8260B
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	9/6/2008
Client:	Conestoga-Rovers and Associates
Site Address:	3055 35th Avenue, Oakland, CA
Well ID:	MW-2
Well Diameter:	4"
Purging Device:	3" PVC Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	27.60
Depth to Water:	19.41
Water Column Height:	8.19
Gallons/ft:	0.65
1 Casing Volume (gal):	5.32
3 Casing Volumes (gal):	15.97

Fe=	**mg/L**
ORP=	**mV**
DO=	0.81 **mg/L**

COMMENTS:
slow recharge, very turbid, silty, heavy sheen

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
4:15	5.3	19.8	6.88	914
4:30	10.6	20.1	6.81	876
5:25	16.0	20.1	6.78	872

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-2	9/6/2008	6:40	40 ml VOA, 1 L Amber	HCl, ICE	TPHg BTEX MTBE TAME DIPE ETBE TBA EDB EDC TPHd	8015 with silica gel clean up, 8021 (Zemo) 8260B
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	9/6/2008
Client:	Conestoga-Rovers and Associates
Site Address:	3055 35th Avenue, Oakland, CA
Well ID:	MW-3
Well Diameter:	2"
Purging Device:	Disposable Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	25.10
Depth to Water:	16.65
Water Column Height:	8.45
Gallons/ft:	0.16
1 Casing Volume (gal):	1.35
3 Casing Volumes (gal):	4.06

Fe=	**mg/L**
ORP=	**mV**
DO=	1.03 **mg/L**

COMMENTS:
slow recharge, very silty, heavy sheen

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
1:15	1.4	20.7	6.64	1342
1:40	2.7	21.1	6.71	1390
2:30	4.1	21.0	6.65	1376

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-3	9/6/2008	6:10	40 ml VOA, 1 L Amber	HCl, ICE	TPHg BTEX MTBE TAME DIPE ETBE TBA EDB EDC TPHd	8015 with silica gel clean up, 8021 (Zemo) 8260B

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	9/6/2008
Client:	Conestoga-Rovers and Associates
Site Address:	3055 35th Avenue, Oakland, CA
Well ID:	MW-4
Well Diameter:	2"
Purging Device:	Disposable Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	30.30
Depth to Water:	17.27
Water Column Height:	13.03
Gallons/ft:	0.16
1 Casing Volume (gal):	2.08
3 Casing Volumes (gal):	6.25

Fe=	**mg/L**
ORP=	**mV**
DO=	1.28 **mg/L**

COMMENTS:
very turbid, very silty, heavy sheen

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
12:45	2.1	21.0	6.52	941
12:50	4.2	21.0	6.60	933
12:55	6.3	21.6	6.58	917

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-4	9/6/2008	6:00	40 ml VOA, 1 L Amber	HCl, ICE	TPHg BTEX MTBE TAME DIPE ETBE TBA EDB EDC TPHd	8015 with silica gel clean up, 8021 (Zemo) 8260B
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	9/6/2008
Client:	Conestoga-Rovers and Associates
Site Address:	3055 35th Avenue, Oakland, CA
Well ID:	RW-5
Well Diameter:	4"
Purging Device:	3" PVC Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	25.65
Depth to Water:	16.01
Water Column Height:	9.64
Gallons/ft:	0.65
1 Casing Volume (gal):	6.27
3 Casing Volumes (gal):	18.80

Fe=	**mg/L**
ORP=	**mV**
DO=	1.42 **mg/L**

COMMENTS:
slow recharge, very turbid, heavy sheen

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
2:45	6.3	20.1	6.69	604
3:20	12.5	20.9	6.75	580
4:00	18.8	20.4	6.71	579

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
RW-5	9/6/2008	6:20	40 ml VOA, 1 L Amber	HCl, ICE	TPHg BTEX MTBE TAME DIPE ETBE TBA EDB EDC TPHd	8015 with silica gel clean up, 8021 (Zemo) 8260B

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	9/6/2008
Client:	Conestoga-Rovers and Associates
Site Address:	3055 35th Avenue, Oakland, CA
Well ID:	RW-9
Well Diameter:	4"
Purging Device:	3" PVC Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	25.20	**Fe=**	**mg/L**
Depth to Water:	17.31	**ORP=**	**mV**
Water Column Height:	7.89	**DO=**	1.22 **mg/L**
Gallons/ft:	0.65		
1 Casing Volume (gal):	5.13		
3 Casing Volumes (gal):	15.39		

COMMENTS:
very slow recharge

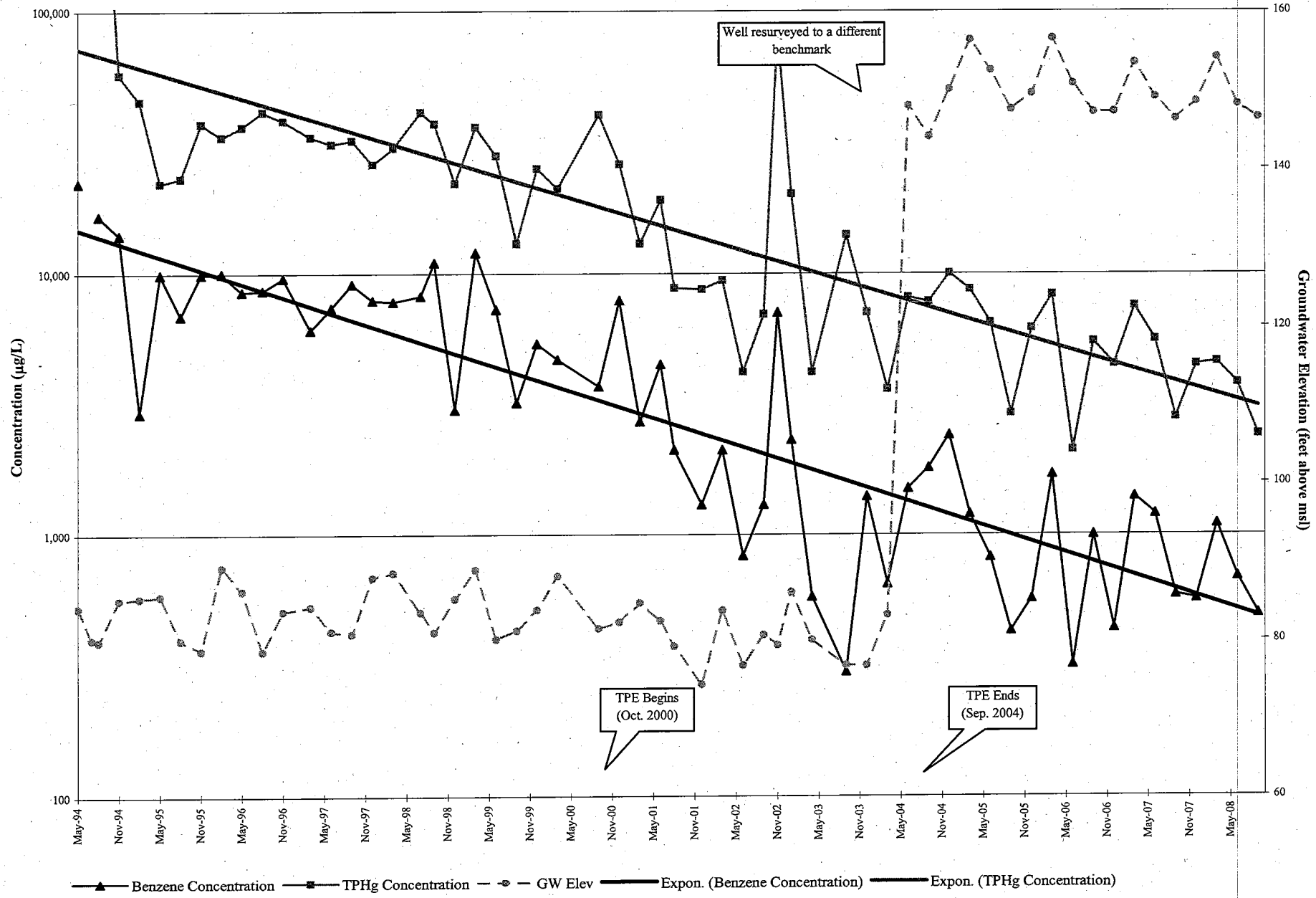
TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
9:30	5.1	19.7	6.88	1079
9:45	10.3	20.2	6.79	1128
10:35	15.4	20.4	6.82	1141

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
RW-9	9/6/2008	5:40	40 ml VOA, 1 L Amber	HCl, ICE	TPHg BTEX MTBE TAME DIPE ETBE TBA EDB EDC TPHd	8015 with silica gel clean up, 8021 (Zemo) 8260B
				Signature:		

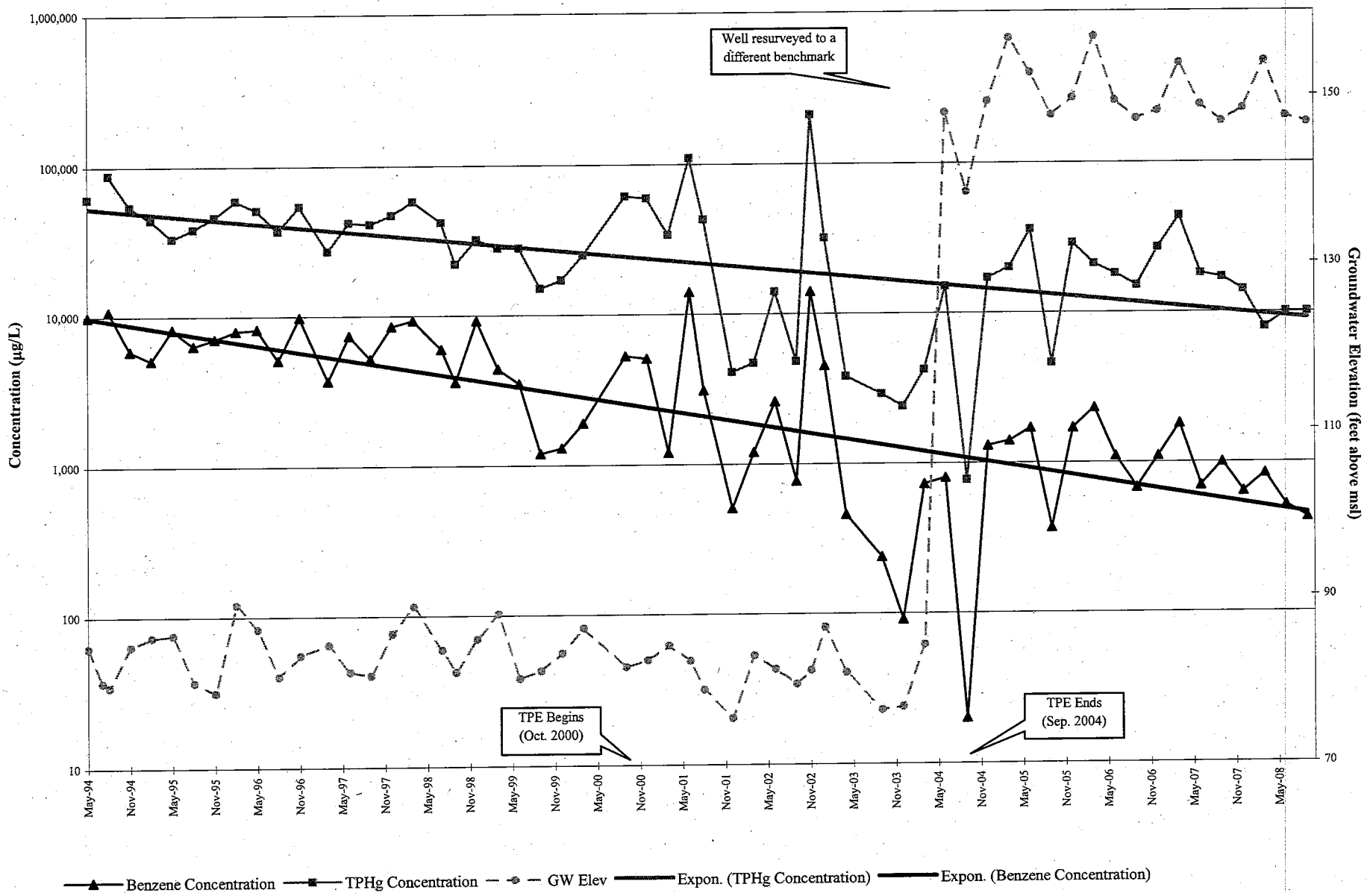
APPENDIX D

TPHG AND BENZENE CONCENTRATION TREND GRAPHS

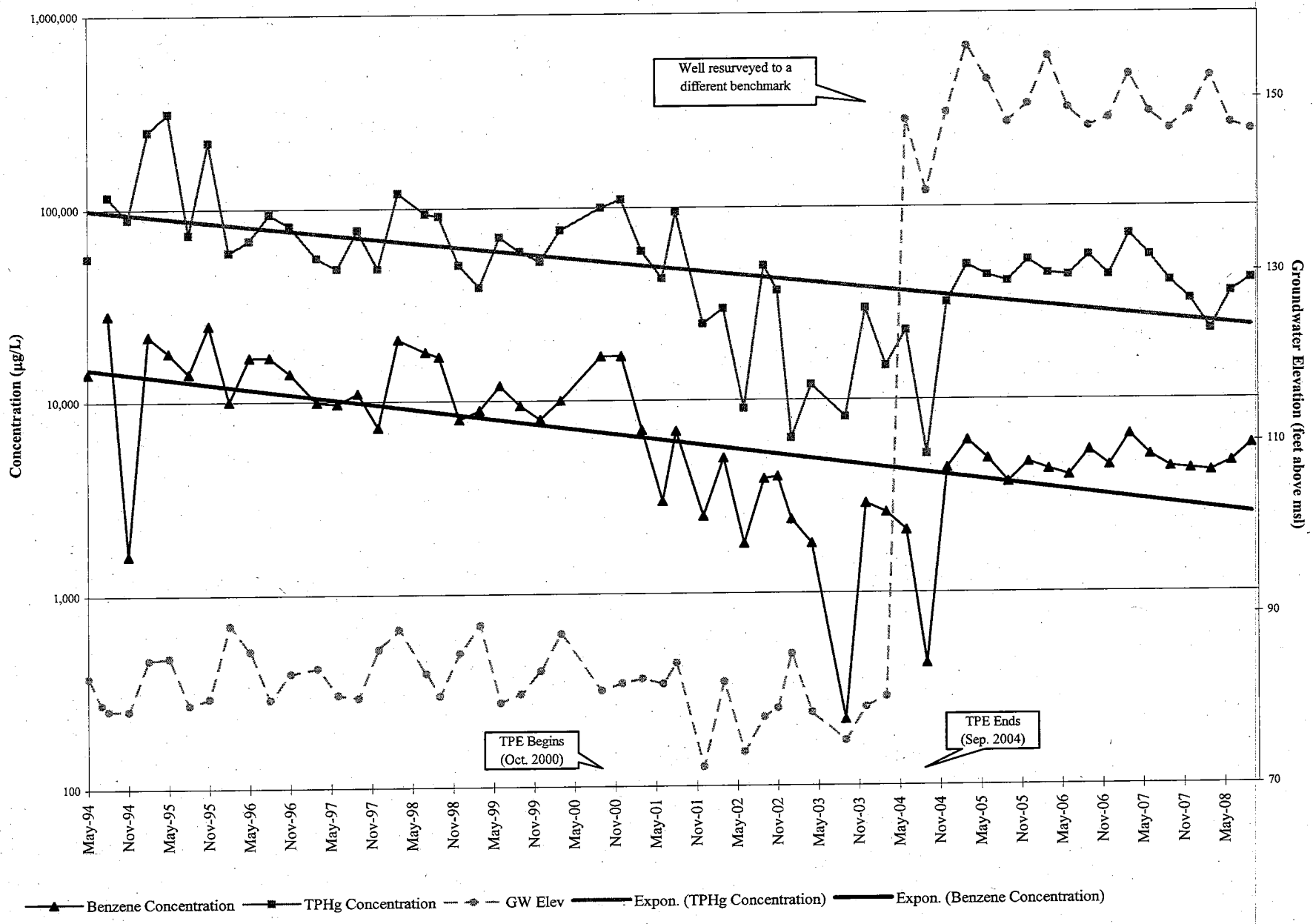
TPHg and Benzene Concentration Trends
Well MW-1 (March 1997 to Present)



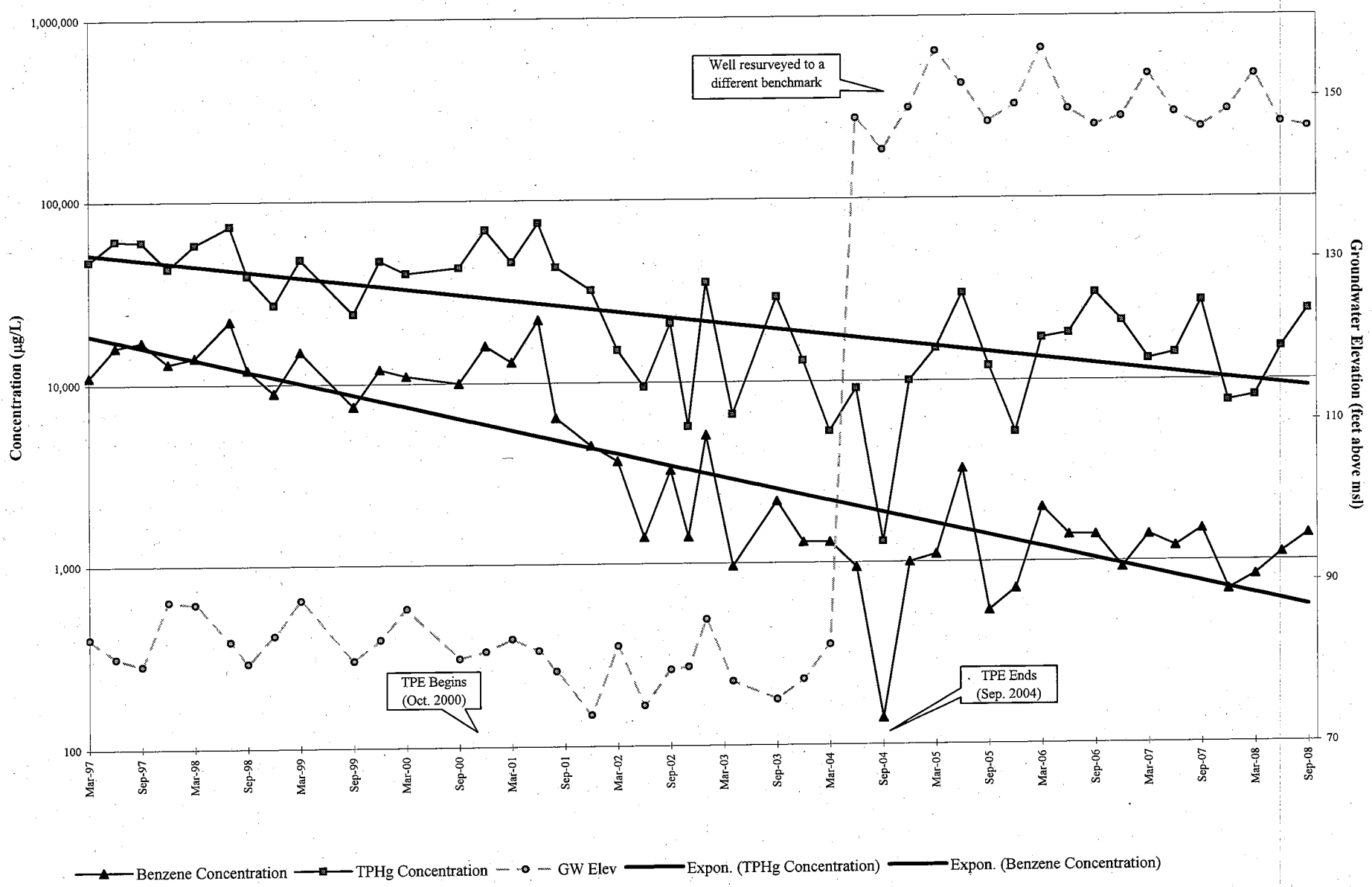
TPHg and Benzene Concentration Trends
Well MW-2 (March 1997 to Present)



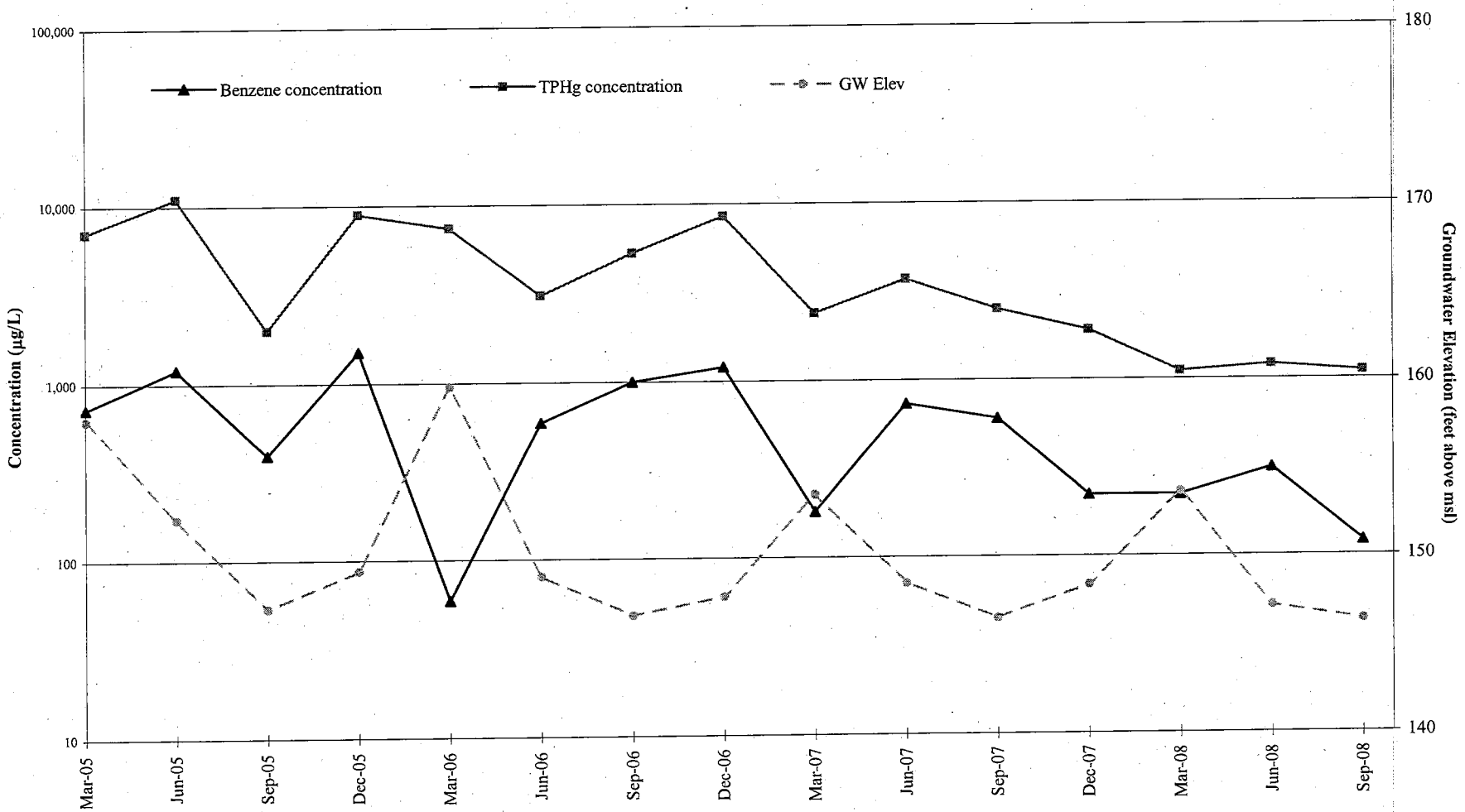
TPHg and Benzene Concentration Trends
Well MW-3 (March 1997 to Present)



TPHg and Benzene Concentration Trends
Well MW-4 (March 1997 to Present)



TPHg and Benzene Concentration Trends
Well RW-5 (March 2005 to Present)



TPHg and Benzene Concentration Trends
Well RW-9 (March 2005 to Present)