CONESTOGA-ROVERS
& ASSOCIATES

5900 Hollis Street, Suite A, Emeryville, Calfornia 94608
Telephone: 510-420-0700 Facsimile: 510-420-9170
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May 15, 2009

Reference No. 130105

Ms. Barbara Jakub
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Dear Ms. Jakub:

Re: Revised Groundwater Monitoring Report - First Quarter 2009
Former Exxon Service Station
3055 35th Avenue
Oakland, California
Agency Case No. RO0000271

On behalf of Golden Empire Properties, Inc., Conestoga-Rovers & Associates (CRA) is resubmitting the *Groundwater Monitoring Report – First Quarter 2009*, dated May 8, 2009. This copy includes changes to some of the tables and should replace the previously issued report.

If you have any questions or comments regarding this report, please call me at (510) 420-3307.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

for Mark Jonas, P.G.

MW/aa/5
Encl.

c.c.: Mr. Lynn Worthington
Mr. Jeffrey Lawson
Ms. Dawn Zemo

REVISED GROUNDWATER MONITORING REPORT–FIRST QUARTER 2009

FORMER EXXON SERVICE STATION
3055 35th AVENUE
OAKLAND, CALIFORNIA

AGENCY CASE NO. RO0271

Prepared by:
Conestoga-Rovers & Associates

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MAY 8, 2009
REF. NO. 130105 (4)
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1.0 INTRODUCTION

On behalf of Golden Empire Properties, Inc., Conestoga-Rovers & Associates (CRA) has prepared this *Groundwater Monitoring Report – First Quarter 2009* for the referenced site (see Figure 1). Presented in the report are the first quarter 2009 activities and anticipated second quarter 2009 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. Table 3 provides third quarter 2008 through first quarter 2009 analytical data for oxygenated volatile organic compounds. 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. Mr. Lynn Worthington
Consultant and Contact Person	CRA, Mark Jonas, P.G.
Lead Agency and Contact Person	Alameda County Environmental Health (ACEH), Barbara Jakub

2.0 SITE ACTIVITIES AND RESULTS

2.1 CURRENT QUARTER'S ACTIVITIES

2.1.1 MONITORING ACTIVITIES

On March 14, 2009, CRA contracted 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; for benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method SW8021B; and for methyl tertiary butyl ether (MTBE), 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 SW8260B. Prior to TPHd analysis of selected samples, the laboratory used a modified Zemo & Associates' *Protocol for Gravity Separation of Groundwater Samples to Isolate the Water Phase* (gravity separation). TPHd results with

and without gravity separation were reported. 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 first quarter 2009.

2.1.4 OFFSITE AND ONSITE CHARACTERIZATION

During the first quarter 2009, CRA submitted the *Site Characterization Report*, dated February 24, 2009, detailing the results of recent soil boring and soil vapor sampling data onsite and offsite. The report has been submitted to the GeoTracker database.

2.2 CURRENT QUARTER'S RESULTS

Groundwater Flow Direction	West
Hydraulic Gradient	0.018
Range of Measured Water Depth from Top of Casing in Monitoring Wells	6.82 to 12.57 feet
Were Measureable Separate Phase Hydrocarbons Observed	No

2.2.1 GROUNDWATER FLOW DIRECTION

Based on depth to water measurements collected during MES's March 14, 2009, site visit, groundwater beneath the site flows towards the west with a gradient of 0.018 feet/foot (Figure 2). The groundwater gradient is generally consistent with historical static groundwater conditions. Groundwater monitoring data is presented in Tables 2 and 3.

2.2.2 HYDROCARBON DISTRIBUTION IN GROUNDWATER

Hydrocarbon concentrations were detected in all six sampled wells. TPHg concentrations ranged from 2,000 micrograms per liter (µg/L) to 41,000 µg/L, with the highest concentration detected in well MW-3. Benzene concentrations ranged from 260 µg/L to 4,900 µg/L, with the highest concentration detected in well MW-3. TPHd concentrations without gravity separation ranged from 450 µg/L to 8,700 µg/L, with the highest concentration detected in well MW-3. TPHd concentrations with gravity separation ranged from 440 µg/L to 8,100 µg/L, with the highest concentration detected in well MW-3. MTBE concentrations ranged from 22 µg/L to 120 µg/L, with the highest concentration detected in well MW-2. Concentrations of TBA were detected in all six wells and ranged from 58 µg/L to 210 µg/L, with the highest concentrations detected in wells MW-3 and RW-9. No DIPE, ETBE, 1,2-DCA, EDB, or TAME concentrations were detected in any of the six wells. Analytical results are summarized in Tables 2 and 3 and shown on Figure 2.

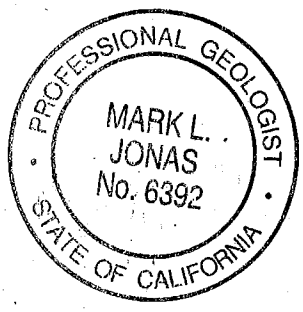
2.3 PROPOSED ACTIVITIES FOR NEXT QUARTER

2.3.1 MONITORING ACTIVITIES

During the second quarter 2009, CRA will contract 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; for BTEX by EPA Method SW8021B; and for MTBE, TBA, DIPE, ETBE, 1,2-DCA, EDB, and TAME by EPA Method SW8260B. CRA will summarize groundwater monitoring activities and results in the *Groundwater Monitoring Report – Second Quarter 2009*.

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

Michael Werner



Mark Jonas, P.G.

FIGURES

04/14/07

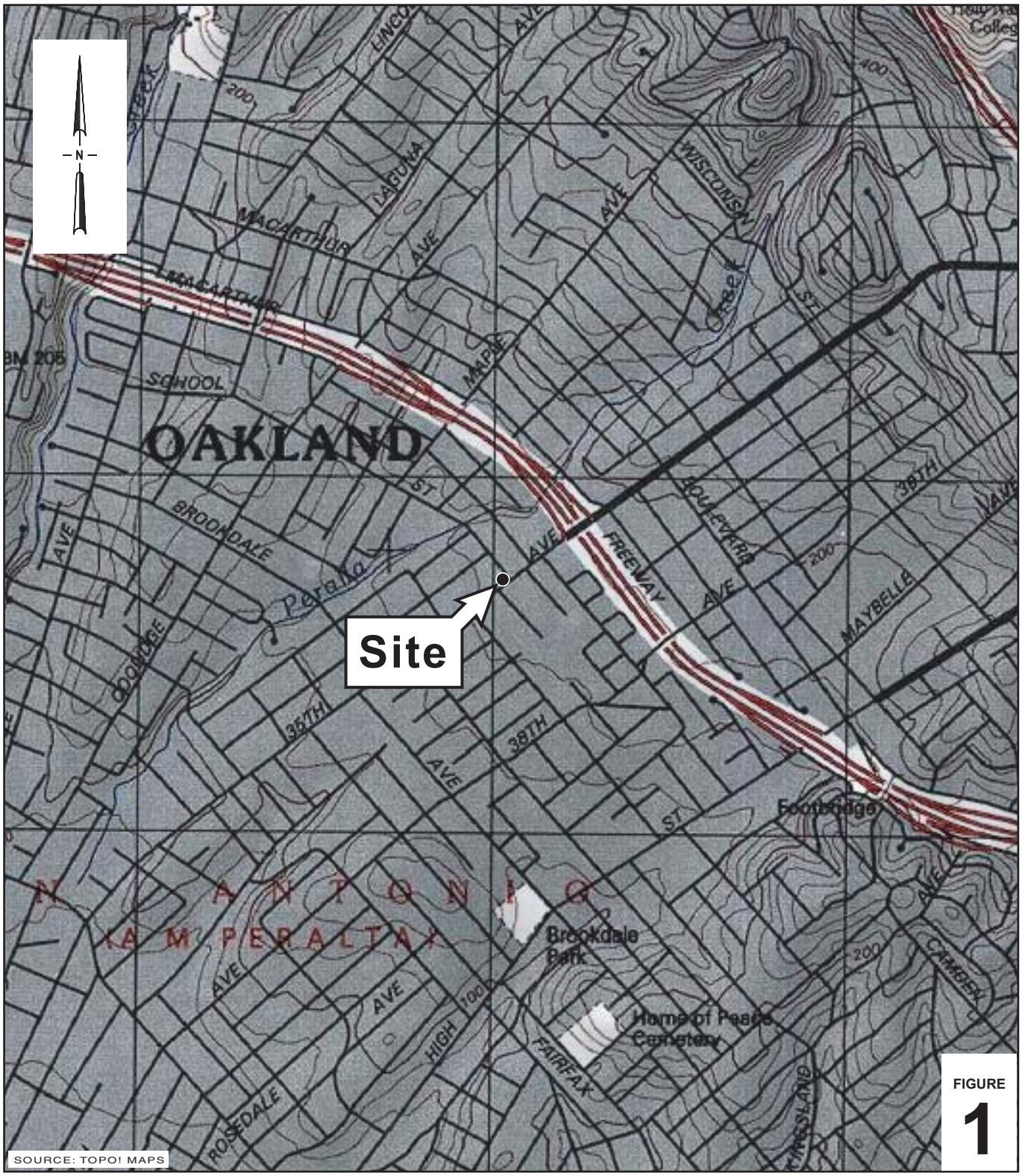


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FIGURE
1

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

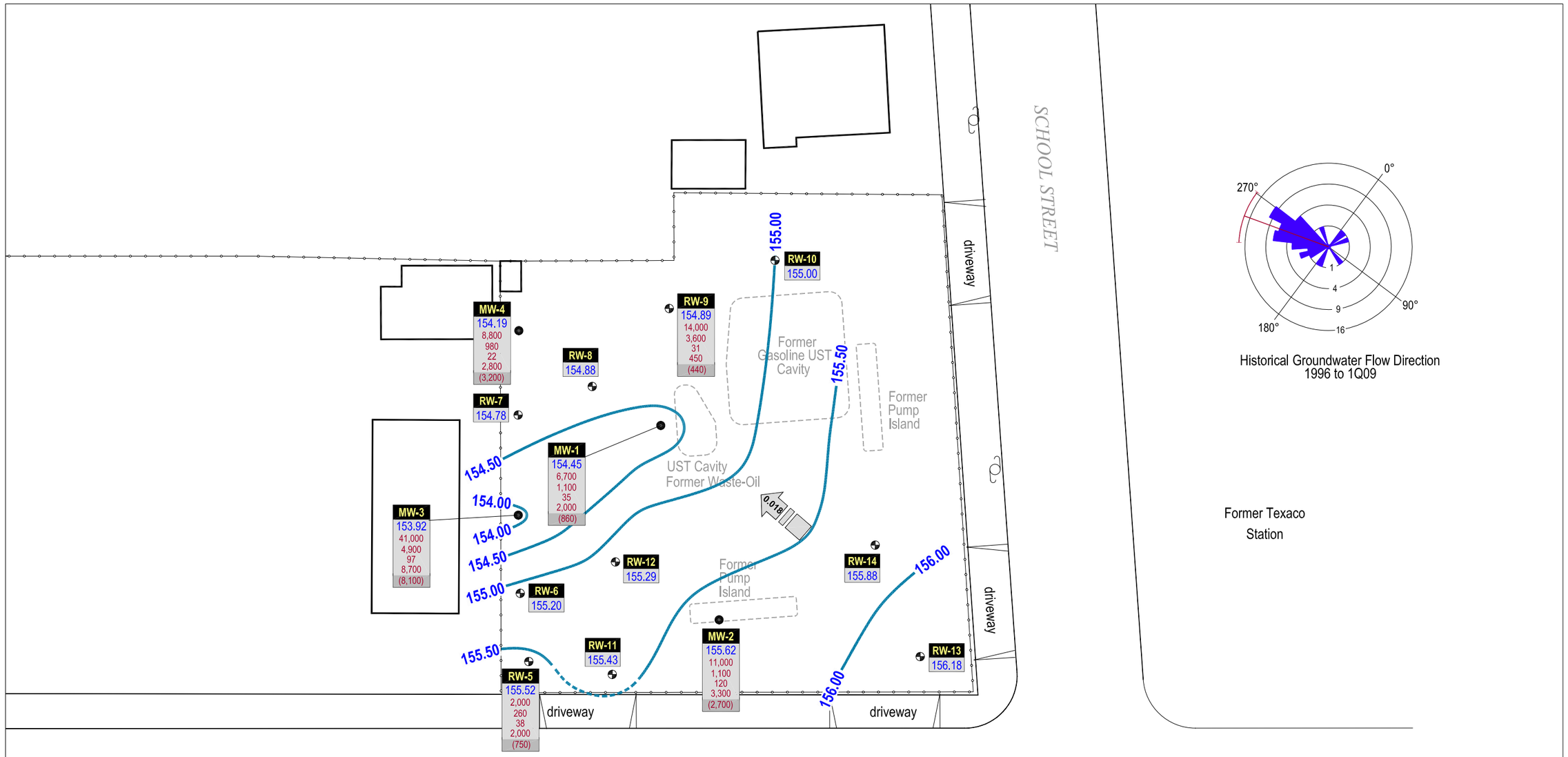

FIGURE 2

GROUNDWATER ELEVATION and HYDROCARBON CONCENTRATION MAP
FORMER EXXON STATION
3055 35th AVENUE
Oakland, California
March 14, 2009

I:\IR\6-chars\1301--\130105-Golden Empire Properties\130105-FIGURES\130105_1Q09-HCGW.DWG

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
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	TPHd (µg/L)	TPHmo (µg/L)	TPHg (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		25,000	<50,000	120,000	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		4,300	---	33,000	10,000	480	1,000	1,800	3,300	---	
	5/21/1996	14.62	---	86.23		8,500	---	36,000	8,500	1,400	1,300	2,800	1,900	---	
	8/22/1996	22.30	---	78.55		6,200	---	41,000	8,600	1,300	1,500	2,900	<200	8.0	
	11/27/1996	17.24	Sheen	83.61		6,100	---	38,000	9,600	950	1,600	3,100	<400	5.6	
	3/20/1997	16.65	---	84.20		10,000	---	33,000	6,100	560	970	2,200	<400	8.5	
	6/25/1997	19.77	---	81.08		7,400[a]	---	31,000	7,400	440	890	1,800	<400	3.7	
	9/17/1997	20.12	---	80.73		3,500[e]	---	32,000[d]	9,100	550	1,000	2,000	<1,000	2.1	
	12/22/1997	12.95	---	87.90		5,800[e]	---	26,000[d]	7,900	370	920	1,500	<790	0.7	
	3/18/1998	12.34	Sheen	88.51		4,200[e,f]	---	30,000[d]	7,800	820	840	2,000	<1,100	1.3	
	7/14/1998	17.34	---	83.51		8,900[e,f]	---	41,000[d]	8,200	1,100	1,200	3,000	<200	1.8	
	9/30/1998	19.90	---	80.95		3,300	---	37,000	11,000	950	1,200	2,800	<20	2.0	
	12/8/1998	15.62	---	85.23		3,700	---	22,000	3,000	1,200	730	3,100	<900	---	
	3/29/1999	11.98	---	88.87		6,800[e]	---	36,000[d]	12,000	750	1,300	2,400	950	0.50	
	6/29/1999	20.77	---	80.08		3,500[e]	---	28,000[d]	7,300	420	810	1,700	<1,300	0.10	
	9/28/1999	19.68	---	81.17		3,600[e,f]	---	13,000[d]	3,200	130	320	1,100	<210	0.55	
	12/10/1999	17.02	---	83.83		2,900[e,f]	---	25,000[d]	5,400	130	620	1,400	<1,000	1.03	
	3/23/2000	12.76	---	88.09		3,300[f]	---	21,000[d]	4,700	140	470	1,100	<350	---	
	9/7/2000	19.45	---	81.40		12,000[e,g]	---	40,000[d,g]	3,700	1,400	910	4,900	<50	0.17	
	12/5/2000	18.60	---	82.25		3,400[e]	---	26,000[a]	7,900	150	580	810	<300	0.35	Not operating
	3/7/2001	16.19	---	84.66		2,400	---	13,000	2,700	43	69	300	<100	0.49	Not operating
	6/6/2001	18.47	---	82.38		4,000	---	19,000	4,500	130	270	430	<400	0.39	Not operating
	8/30/2001	21.70	---	79.15		1,400[d]	---	8,800[a]	2,100	45	91	240	<130	0.27	Operating
	12/7/2001	26.55	---	74.30		1,900[e,f]	---	8,700[d]	1,300	160	38	730	<20	0.59	Operating
	3/11/2002	17.13	---	83.72		1,400[e]	---	9,400[d]	2,100	200	74	470	<20	0.39	Operating
	6/10/2002	24.10	---	76.75		900[e,k]	---	4,200[d]	830	170	110	460	<100	---	Operating
	9/26/2002	20.30	---	80.55		1,300[e,f,k]	---	7,000[d]	1,300	190	200	760	<100	0.70	Operating
	11/21/2002	21.55	---	79.30		200,000[e,g]	---	83,000[d,g]	7,100	1,700	3,000	13,000	<1,000	0.49	Operating
	1/13/2003	14.80	---	86.05		5,300[e,f]	---	20,000[d]	2,300	480	300	2,100	<500	0.33	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*	*TPHd* *(µg/L)*	*TPHmo* *(µg/L)*	*TPHg* *(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	4/25/2003	20.90	---	79.95		320[e]	---	4,200[d]	580	81	59	470	<50	---	Operating
Continued	5/30/2003	16.65	---	84.20		---	---	---	---	---	---	---	---	---	Not operating
	9/3/2003	24.16	---	76.69		36,000[e,f]	---	14,000[d]	300	50	33	480	<50	---	Operating
	12/2/2003	24.12	Sheen [Lab]	76.73		9,300[e,f,g]	---	7,100[d,g]	1,400	230	160	820	<100	---	Operating
	3/18/2004	17.70	---	83.15		1,100[e,f]	---	3,600[d]	650	59	38	370	<90	---	Operating
	6/16/2004	19.20	---	147.82		2,300[e,f]	---	8,100[d]	1,500	69	22	1,000	<100	---	Not operating
167.02	9/27/2004	23.07	---	143.95		1,700[e]	---	7,800[d]	1,800	110	120	670	<180	0.28	Not operating
	12/27/2004	17.04	---	149.98		1,400[e]	---	10,000[d]	2,400	170	170	1,500	<120	0.41	Not operating
	3/7/2005	10.73	---	156.29		1,300[e,f,k]	---	8,700[d]	1,200	99	140	770	<500	0.91	Not operating
	6/21/2005	14.60	---	152.42		930[e,k]	---	6,500[d]	820	26	57	110	<250	---	Not operating
	9/21/2005	19.64	---	147.38		860[e,k,f]	---	2,900[d]	430	19	46	150	<50	1.14	Not operating
	12/14/2005	17.63	Sheen [Field]	149.39		4,000[e,f,k]	---	6,200[d]	570	32	72	420	<110	1.08	Not operating
	3/22/2006	10.52	Sheen [Field]	156.50		1,100[e,f,k]	---	8,300[d]	1,700	100	190	660	<150	0.84	Not operating
	6/30/2006	16.33	Sheen [Field]	150.69		1,500[m,k,l]	---	2,100[d,l]	320	6.1	<1.0	77	<90	0.66	Not operating
	9/5/2006	19.96	Sheen [Lab]	147.06		1,500[e,f,k,g]	---	5,500[d,g]	1,000	45	81	310	<120	0.38	Not operating
	12/6/2006	19.92	Sheen [Lab]	147.10		760 [e,g]	---	4,500 [d,g]	440	13	42	190	<60	0.55	Not operating
	3/16/2007	13.62	---	153.40		1,800 [e,f]	---	7,500 [d]	1,400	30	100	270	<150	0.58	Not operating
	6/15/2007	18.07	Sheen [Field]	148.95		1,500 [e,k,f]	---	5,600 [d]	1,200	29	84	190	56	0.74	Not operating
	9/6/2007	20.84	---	146.18		690 [e,f]	---	2,800 [d]	590	17	35	100	<80	0.90	Not operating
	12/8/2007	18.66	Sheen [Field]	148.36		520 [e,f]	--	4,500 [d]	570	13	57	200	<120	1.24	Not operating
	3/9/2008	12.98	Sheen [Field]	154.04	(Z)	(470 [e])	(<250)	(4,600 [d])	(1,100)	(23)	(82)	(140)	(<50)	1.17	Not operating
	6/14/2008	18.98	---	148.04	(Z)	(410 [e])	(<250)	(3,800 [d])	(690)	(12)	(64)	(240)	(<80)	1.95	Not operating
	9/6/2008	20.66	---	146.36	(Z^{TPHd})	(420 [e])	---	2,400 [d]	500	11	30	67	<75	1	Not operating
	12/28/2008	16.57	Sheen [Field]	150.45	(Z^{TPHd})	(2,800 [e])	<250	5,700 [d]	660	17	110	320	41 [o]	1	Not operating
	3/14/2009	**12.57**	**Sheen [Field]**	**154.45**	**(Z^{TPHd})**	**2,000 [e,f,k] (860 [e])**	**---**	**6,700 [d]**	**1,100**	**23**	**100**	**180**	**35 [o]**	**1**	Not operating
MW-2	5/25/1994	15.65	---	84.35		6,900	<5,000	61,000	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	---	---	
	5/23/1995	14.17	---	85.83		---	---	33,000	8,200	5,600	900	6,600	---	---	
	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	---	

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	TPHd (µg/L)	TPHmo (µg/L)	TPHg (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	5/21/1996	13.47	---	86.53		3,400	---	51,000	8,200	5,200	1,300	6,600	2,400	---	
Continued	8/22/1996	19.12	---	80.88		5,700	---	37,000	5,100	3,500	960	4,500	<200	3.0	
	11/27/1996	16.61	Sheen	83.39		10,000	---	54,000	9,800	7,000	1,800	7,900	<2,000	3.1	
	3/20/1997	15.39	---	84.61		6,100	---	27,000	3,700	2,300	580	2,800	<400	8.1	
	6/25/1997	18.62	---	81.38		7,800[b]	---	42,000	7,400	3,800	1,200	5,700	<200	0.9	
	9/17/1997	19.05	Sheen	80.95		8,900[e]	---	41,000[d]	5,200	3,400	1,300	5,900	<700	1.2	
	12/22/1997	14.09	---	85.91		6,100[e]	---	47,000[d]	8,500	4,600	1,800	8,400	<1,200	1.2	
	3/18/1998	10.83	Sheen	89.17		7,000[e,f]	---	58,000[d]	9,300	6,100	1,800	8,200	<1,100	1.1	
	7/14/1998	16.07	---	83.93		5,300[e,f]	---	42,000[d]	6,000	3,000	1,000	4,800	<200	1.5	
	9/30/1998	18.71	---	81.29		2,400	---	22,000	3,600	1,300	720	3,200	<30	1.8	
	12/8/1998	14.80	---	85.20		3,100	---	32,000	9,200	680	1,100	2,300	<2,000	---	
	3/29/1999	11.81	---	88.19		7,500[e,f]	---	28,000[d]	4,400	1,600	950	4,100	410	1.86	
	6/29/1999	19.54	---	80.46		3,300[e]	---	28,000[d]	3,500	1,100	690	3,100	<1,000	0.41	
	9/28/1999	18.61	---	81.39		3,400[e,f]	---	15,000[d]	1,200	540	230	2,300	<36	1.18	
	12/10/1999	16.53	---	83.47		2,500[e,f]	---	17,000[d]	1,300	780	420	2,700	<40	0.17	
	3/23/2000	13.56	---	86.44		3,100[i]	---	25,000[d]	1,900	1,100	660	3,700	<500	---	
	9/7/2000	18.25	---	81.75		32,000[e,g]	---	62,000[d,g]	5,300	2,300	1,500	8,400	<100	0.39	
	12/5/2000	17.45	---	82.55		87,000[e,f,g]	---	60,000[d,g]	5,100	2,200	1,600	9,000	<200	0.31	Not operating
	3/7/2001	15.68	---	84.32		3,900	---	34,000	1,200	770	620	4,300	<200	0.44	Not operating
	6/6/2001	17.51	---	82.49		48,000	---	110,000	14,000	9,000	1,900	12,000	<950	0.24	Not operating
	8/30/2001	21.00	---	79.00		15,000[d,h]	---	43,000[a,h]	3,100	720	980	5,500	<200	---	Operating
	12/7/2001	24.45	---	75.55		750[e,f]	---	4,100[d]	510	88	8.2	580	<20	0.47	Operating
	3/11/2002	16.95	---	83.05		590[e]	---	4,700[d]	1,200	150	30	310	<50	0.24	Operating
	6/10/2002	18.59	---	81.41		2,000[e]	---	14,000[d]	2,600	710	150	2,000	<800	---	Operating
	9/26/2002	20.39	---	79.61		660[e]	---	4,800[d]	770	200	140	740	<50	0.29	Operating
	11/21/2002	18.75	---	81.25		350,000[e,g]	---	210,000[d,g]	14,000	23,000	4,400	28,000	<1,700	0.43	Operating
	1/13/2003	13.60	Sheen [Lab]	86.40		14,000[e,f,g,k]	---	32,000[d,g]	4,500	1,600	920	3,600	<1000	0.39	Not operating
	4/25/2003	19.05	---	80.95		310[e]	---	3,800[d]	460	78	72	410	310	---	Operating
	5/30/2003	15.23	---	84.77		---	---	---	---	---	---	---	---	---	Not operating
	9/3/2003	23.57	---	76.43		2,300[e]	---	2,900[d]	240	57	68	380	770	---	Operating
(Monument	12/2/2003	23.17	Sheen [Lab]	76.83		3,300[e,f,g]	---	2,400[d,g]	91	20	14	250	890	---	Operating
Well box)	3/18/2004	15.78	---	84.22		870[e,f]	---	4,200[d]	730	89	<5.0	480	2,300	---	Operating
166.14	6/16/2004	18.15	---	147.99		9,800[e,f]	---	15,000[d]	800	210	290	1,800	2,000	---	Not operating
	9/27/2004	27.55**	---	138.59		1,000[e,f,k]	---	770[d]	20	7.9	10	140	1,600	0.79	Operating
	12/27/2004	16.81	---	149.33		3,800[e,f]	---	17,000[d]	1,300	370	540	3,800	620	0.94	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*	*TPHd* *(µg/L)*	*TPHmo* *(µg/L)*	*TPHg* *(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	3/7/2005	9.31	Sheen [Field & Lab]	156.83		8,300[e,f,k,g]	---	20,000[d,g]	1,400	330	430	2,600	1,100	0.88	Not operating
Continued	6/21/2005	13.42	Sheen [Lab]	152.72		15,000[e,f,g]	---	36,000[d,g]	1,700	310	460	3,100	1,200	---	Not operating
	9/21/2005	18.50	Sheen [Field]	147.64		1,100[e,f]	---	4,600[d]	370	62	110	740	1,100	0.86	Not operating
	12/14/2005	16.40	Sheen [Field & Lab]	149.74		49,000[e,f,k,g]	---	29,000[d,g]	1,700	260	600	3,700	1,000	0.99	Not operating
	3/22/2006	9.15	Sheen [Lab]	156.99		23,000[e,f,k,g]	---	21,000[d,g]	2,300	200	550	2,800	1,200	0.91	Not operating
	6/30/2006	16.78	Sheen [Field & Lab]	149.36		55,000[e,f,k,g]	---	18,000[d,g]	1,100	71	270	1,400	1,200	0.84	Not operating
	9/5/2006	18.96	Sheen [Lab]	147.18		19,000[e,f,k,g]	---	15,000[d,g]	680	70	260	1,400	<1,000	0.79	Not operating
	12/6/2006	18.01	Sheen [Field & Lab]	148.13		31,000 [e,f,k,g]	---	27,000 [d,g]	1,100	51	420	1,600	<900	0.48	Not operating
	3/16/2007	12.31	Sheen [Field & Lab]	153.83		49,000 [e,f,k,g]	---	44,000 [d,g]	1,800	71	670	2,200	<900	0.52	Not operating
	6/15/2007	17.31	Sheen [Field & lab]	148.83		21,000 [e,k,f,g]	---	18,000 [d,g]	700	22	290	740	<650	0.68	Not operating
	9/6/2007	19.28	Sheen [Field & Lab]	146.86		8,400 [e,f,g]	---	17,000 [a,h]	1,000	53	450	1,100	<700	0.72	Not operating
	12/8/2007	17.72	Sheen [Field & Lab]	148.42		3,600 [e,f,g]	---	14,000 [d,g]	640	13	220	520	<300	0.80	Not operating
	3/9/2008	12.09	Sheen [Field]	154.05	(Z)	(3,100 [e])	(<250)	(7,900 [d])	(840)	(24)	(280)	(380)	(<380)	0.68	Not operating
	6/14/2008	18.66	Sheen [Field]	147.48	(Z)	(2,500 [e])	(<250)	(10,000 [d])	(520)	(18)	(200)	(370)	(<350)	0.97	Not operating
	9/6/2008	19.41	Sheen [Field & Lab]	146.73	(Z^{TPHd})	(2,500 [e,g])	---	10,000 [d,g]	430	17	270	370	<180	0.81	Not operating
	12/28/2008	15.73	Sheen [Field]	150.41	(Z^{TPHd})	(2,400 [e])	<250	9,800 [d]	690	19	250	180	120 [o]	0.63	Not operating
	3/14/2009	**10.52**	**Sheen [Field]**	**155.62**	**(Z^{TPHd})**	**3,300 [e,f,k] (2,700 [e])**	**---**	**11,000 [d]**	**1,100**	**23**	**23**	**250**	**120 [o]**	**0.67**	Not operating
MW-3	5/25/1994	13.93	Sheen	82.94		14,000	<50,000	56,000	14,000	14,000	1,300	11,000	---	---	
	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	---	
	5/21/1996	10.86	Sheen	86.01		13,000	---	69,000	17,000	9,400	1,700	9,400	2,600	---	
	8/22/1996	16.50	---	80.37		16,000	---	94,000	17,000	15,000	2,100	12,000	330	2.0	
	11/27/1996	13.47	Sheen	83.40		24,000	---	82,000	14,000	13,000	2,400	13,000	<1,000	2.4	
	3/20/1997	12.86	---	84.01		11,000	---	56,000	9,900	6,900	1,300	8,000	3,500	9.0	
	6/25/1997	15.98	---	80.89		7,700[b]	---	49,000	9,700	7,100	1,300	7,000	220	5.8	
	9/17/1997	16.34	Sheen	80.53		15,000[e]	---	78,000[d]	11,000	9,900	1,800	10,000	<1,200	0.7	
	12/22/1997	10.71	Sheen	86.16		14,000[e]	---	49,000[d]	7,300	5,300	1,400	7,500	<1,100	3.1	
	3/18/1998	8.41	Sheen	88.46		20,000[e,f]	---	120,000[d]	21,000	19,000	2,600	15,000	<1,600	1.6	
	7/14/1998	13.51	---	83.36		65,000[e,f,g]	---	94,000[d,g]	18,000	14,000	1,900	11,000	<1,400	1.8	

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	TPHd (µg/L)	TPHmo (µg/L)	TPHg (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	9/30/1998	16.14	---	80.73		9,800	---	91,000	17,000	13,000	2,100	12,000	<1300	2.0	
Continued	12/8/1998	11.20	---	85.67		4,200	---	51,000	8,000	6,800	1,400	7,500	<1,100	---	
	3/29/1999	7.95	---	88.92		4,600[e]	---	39,000[d]	8,900	4,400	940	4,500	810	0.56	
	6/29/1999	16.98	---	79.89		6,900[e]	---	71,000[d]	12,000	7,300	1,400	8,400	<1,700	0.19	
	9/28/1999	15.99	---	80.88		7,800[e]	---	60,000[d]	9,400	9,200	1,000	9,900	200	0.53	
	12/10/1999	13.31	---	83.56		5,300[e,f]	---	53,000[d]	8,000	6,400	1,100	8,100	<200	0.48	
	3/23/2000	8.98	---	87.89		11,000[g,j]	---	77,000[d,g]	10,000	9,400	1,600	11,000	<430	---	
	9/7/2000	15.61	---	81.26		19,000[e,f,g]	---	100,000[d,g]	17,000	12,000	1,600	11,000	<500	---	
	12/5/2000	14.80	---	82.07		17,000[e,g]	---	110,000[d,g]	17,000	11,000	1,900	12,000	<750	0.37	Not operating
	3/7/2001	14.27	---	82.60		13,000	---	60,000	7,000	4,600	900	7,100	<350	0.49	Not operating
	6/6/2001	14.88	---	81.99		12,000	---	43,000	3,000	1,000	770	5,200	<400	1.71	Not operating
	8/30/2001	12.43	---	84.44		190,000[d,h]	---	95,000[a,h]	6,900	10,000	2,700	15,000	<250	0.24	Operating
	12/7/2001	24.65	---	72.22		3,900[e,f]	---	25,000[d]	2,500	1,700	64	2,200	<200	0.19	Operating
	3/11/2002	14.69	---	82.18		2,800[f,e,k]	---	30,000[d]	5,000	2,400	190	1,800	<1,300	0.30	Operating
	6/10/2002	22.94	---	73.93		990[e,k]	---	9,000[d]	1,800	1,300	96	1,000	<300	---	Operating
	9/26/2002	18.85	---	78.02		130,000[e,g]	---	50,000[d,g]	3,900	5,400	820	6,600	<500	0.19	Operating
	11/21/2002	17.85	0.05	79.06		120,000[e,g]	---	37,000[d,g]	4,000	660	1,200	5,100	<1,700	0.28	Operating
	1/13/2003	11.43	Sheen [Lab]	85.44		6,300[e,f,g,k]	---	21,000[d,g]	2,400	2,300	390	3,000	<500	0.31	Not operating
	4/25/2003	18.30	---	78.57		1,200[e]	---	12,000[d]	1,800	850	150	1,200	<500	---	Operating
	5/30/2003	13.30	---	83.57		---	---	---	---	---	---	---	---	---	Not operating
	9/3/2003	21.65	---	75.22		3,300[e]	---	8,100[d]	220	170	66	560	<50	---	Operating
	12/2/2003	17.70	Sheen [Lab]	79.17		8,400[e,f,g]	---	30,000[d,g]	2,900	2,100	530	3,600	<500	---	Operating
	3/18/2004	16.49	---	80.38		2,300[e,f]	---	15,000[d]	2,600	990	260	1,700	<300	---	Operating
	6/16/2004	15.40	---	147.54		8,800[e,f]	---	23,000[d]	2,100	1,300	360	2,800	<1,000	---	Operating
162.94	9/27/2004	23.65	---	139.29		1,700[e,f]	---	5,200[d]	430	220	100	680	250	0.55	Operating
	12/27/2004	14.58	Sheen [Lab]	148.36		24,000[e,f,g,k]	---	32,000[d,g]	4,400	2,800	650	4,800	<250	0.71	Not operating
	3/7/2005	6.91	Sheen [Field & Lab]	156.03		14,000[e,f,g]	---	50,000[d,g]	6,100	2,100	1,300	7,400	<500	0.62	Not operating
	6/21/2005	10.79	Sheen [Field & Lab]	152.15		12,000[e,g]	---	44,000[d,g]	4,900	870	1,100	6,500	<1,200	---	Not operating
	9/21/2005	15.73	Sheen [Field & Lab]	147.21		16,000[e,f,k,g]	---	41,000[d,g]	3,700	480	930	5,700	<500	0.90	Not operating
	12/14/2005	13.65	Sheen [Field & Lab]	149.29		19,000[e,f,k,g]	---	53,000[d,g]	4,700	350	1,100	7,400	<1,000	0.95	Not operating
	3/22/2006	8.10	Sheen [Field & Lab]	154.84		15,000[e,f,k,g]	---	45,000[d,g]	4,300	390	1,100	5,300	<1,000	0.88	Not operating
	6/30/2006	14.10	Sheen [Field & Lab]	148.84		15,000[e,f,k,g]	---	44,000[d,g]	4,000	160	550	4,000	<450	0.81	Not operating
	9/5/2006	16.25	Sheen [Field & Lab]	146.69		16,000[e,f,k,g]	---	56,000[d,g]	5,400	300	1,200	6,200	<500	0.55	Not operating
	12/6/2006	15.25	Sheen [Field & Lab]	147.69		19,000 [e,f,k,g]	---	44,000 [d,g]	4,500	110	930	3,600	<500	0.70	Not operating
	3/16/2007	10.25	Sheen [Field & Lab]	152.69		5,300 [e,f,k,g]	---	72,000 [d,g]	6,500	420	1,200	3,900	<1,000	0.61	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*	*TPHd* *(µg/L)*	*TPHmo* *(µg/L)*	*TPHg* *(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	6/15/2007	14.57	Sheen Field & Lab	148.37		25,000 e,k,f,g	---	56,000 d,g	5,100	200	1,100	3,200	<1000	0.48	Not operating
Continued	9/6/2007	16.55	Sheen Field & Lab	146.39		14,000 e,f,g	---	41,000 d,g	4,400	180	1,000	3,800	<700	0.70	Not operating
	12/8/2007	14.49	Sheen Field & Lab	148.45		4,000 e,f,g	---	33,000 d,g	4,300	120	370	2,200	<250	0.77	Not operating
	3/9/2008	10.40	Sheen Field	152.54	(Z)	(3,400 e)	(310)	(23,000 d)	(4,200)	(120)	(650)	(1,600)	(<250)	0.71	Not operating
	6/14/2008	15.92	Sheen Field	147.02	(Z)	(4,900 e)	(600)	(36,000 d)	(4,700)	(140)	(830)	(1,600)	(<500)	1.05	Not operating
	9/6/2008	16.65	Sheen Field & Lab	146.29	(Z^{TPHd})	(7,900 e,f,g)	---	42,000 d,g	5,800	190	1,100	2,400	<800	1.03	Not operating
	12/28/2008	12.72	Sheen Field & Lab	150.22	(Z^{TPHd})	(4,100 e,g)	<250	24,000 d,g	4,100	91	380	960	91 o	0.91	Not operating
	3/14/2009	**9.02**	**Sheen Field & lab**	**153.92**	**(Z^{TPHd})**	**8,700 e,f,k,g (8,100 e,g)**	**---**	**41,000 d,g**	**4,900**	**140**	**940**	**1,600**	**97 o**	**1.14**	Not operating
MW-4	3/20/1997	13.75	---	83.59		3,100	---	47,000	11,000	4,500	1,100	5,200	3,400	8.4	
97.34	6/25/1997	16.15	---	81.19		5,800 b	---	61,000	16,000	6,100	1,500	5,900	780 c	1.4	
	9/17/1997	17.10	---	80.24		4,400 e	---	60,000 d	17,000	4,900	1,500	5,700	<1,500	1.5	
	12/22/1997	9.21	---	88.13		3,100 e	---	43,000 d	13,000	3,900	1,100	4,200	<960	3.7	
	3/18/1998	9.54	---	87.80		5,500 e,f	---	58,000 d	14,000	4,700	1,400	5,700	<1,200	0.8	
	7/14/1998	14.15	---	83.19		2,900 e,f	---	73,000 d	22,000	7,000	1,800	7,300	<200	1.0	
	9/30/1998	16.84	---	80.50		2,100	---	39,000	12,000	2,700	1,000	3,400	510	1.1	
	12/8/1998	13.45	---	83.89		1,600	---	27,000	8,900	1,600	730	2,300	<1,500	---	
	3/29/1999	9.10	---	88.24		2,400 e,f,h	---	48,000 d	15,000	3,000	1,300	5,000	1,300	1.32	
	06/29/99*	---	---	---		---	---	---	---	---	---	---	---	---	
	9/28/1999	16.58	---	80.76		3,200 e,f	---	24,000 d	7,500	1,200	190	2,200	210	14.29 #	
	12/10/1999	13.99	---	83.35		3,100 e,f	---	47,000 d	12,000	1,800	1,000	4,400	<100	0.62	
	3/23/2000	10.22	---	87.12		3,100 e,f	---	40,000 d	11,000	1,600	910	3,100	690	---	
	9/7/2000	16.40	---	80.94		5,900 e	---	43,000 d	10,000	1,100	1,100	3,400	<450	1.04	
	12/5/2000	15.55	---	81.79		2,600 e,g	---	69,000 d,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		5,400	---	75,000	22,000	1,800	1,900	6,400	<1,200	2.22	Not operating
	8/30/2001	18.00	---	79.34		3,200 d	---	43,000 a	6,400	630	510	2,600	<200	0.32	Operating
	12/7/2001	23.45	---	73.89		11,000 e,f,g	---	32,000 d,g	4,500	740	310	2,300	<200	0.21	Operating
	3/11/2002	14.95	---	82.39		1,600 e,f,k	---	15,000 d	3,700	500	92	790	<500	0.30	Operating
	6/10/2002	22.30	---	75.04		3,400 e	---	9,400 d	1,400	50	<5.0	690	<200	---	Operating
	9/26/2002	17.93	---	79.41		800 e	---	21,000 d	3,300	1,300	450	2,900	<500	0.24	Operating
	11/21/2002	17.55	---	79.79		2,400 e,k	---	5,700 d	1,400	290	63	640	550	---	Operating
	1/13/2003	11.75	Sheen Lab	85.59		15,000 e,f,g,k	---	35,000 d,g	5,100	1,500	510	4,500	<800	0.28	Not operating
	4/25/2003	19.37	---	77.97		2,200 e,f	---	6,600 d	960	130	100	560	<170	---	Operating
	5/30/2003	13.56	---	83.78		---	---	---	---	---	---	---	---	---	Not operating
	9/3/2003	21.65	---	75.69		27,000 e,f	---	29,000 d	2,200	380	280	2,300	65	---	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*	*TPHd* (µg/L)	*TPHmo* (µg/L)	*TPHg* (µg/L)	*Benzene* (µg/L)	*Toluene* (µg/L)	*Ethylbenzene* (µg/L)	*Xylenes* (µg/L)	*MTBE* (µg/L)	*DO* (mg/L)	*DPE System Status*
MW-4	12/2/2003	19.17	---	78.17		5,800[e,f]	---	13,000[d]	1,300	180	120	1,900	<250	---	Operating
Continued	3/18/2004	14.92	---	82.42		1,500[e]	---	5,300[d]	1,300	55	37	440	<180	---	Operating
163.49	6/16/2004	16.02	---	147.47		3,400[e,f]	---	9,100[d]	940	96	120	800	<50	---	Not operating
	9/27/2004	19.93	---	143.56		980[e,f,k]	---	1,300[d]	140	10	11	81	<50	0.68	Not operating
	12/27/2004	14.79	Sheen [Lab]	148.70		5,300[e,f,g,k]	---	10,000[d,g]	1,000	99	34	1,600	<50	0.74	Not operating
	3/7/2005	7.81	Sheen [Field & Lab]	155.68		9,300[e,f,g]	---	15,000[d,g]	1,100	140	88	1,900	<100	0.65	Not operating
	6/21/2005	11.82	Sheen [Field & Lab]	151.67		12,000[e,g]	---	30,000[d,g]	3,300	270	250	2,800	<500	---	Not operating
	9/21/2005	16.55	Sheen [Field & Lab]	146.94		15,000[e,f,k,g]	---	12,000[d,g]	540	100	54	1,800	<50	0.89	Not operating
	12/14/2005	14.43	Sheen [Field & Lab]	149.06		9,800[e,f,k,g]	---	5,200[d,g]	710	41	91	540	<50	0.91	Not operating
	3/22/2006	7.52	Sheen [Field & Lab]	155.97		9,300[e,f,k,g]	---	17,000[d,g]	2,000	230	150	1,900	<50	0.80	Not operating
	6/30/2006	15.00	Sheen [Field & Lab]	148.49		19,000[e,f,g]	---	18,000[d,g]	1,400	50	60	1,300	<100	0.85	Not operating
	9/5/2006	16.96	Sheen [Field & Lab]	146.53		9,400[e,f,k,g]	---	30,000[d,g]	1,400	180	110	4,300	<500	0.75	Not operating
	12/6/2006	15.95	Sheen [Field & Lab]	147.54		22,000 [e,f,g]	---	21,000 [d,g]	920	56	73	1,500	<100	0.71	Not operating
	3/16/2007	10.71	Sheen [Field & Lab]	152.78		2,700 [e,f,k,g]	---	13,000 [d,g]	1,400	32	93	740	<100	0.65	Not operating
	6/15/2007	15.43	Sheen [Field & Lab]	148.06		7,200 [e,g]	---	14,000 [d,g]	1,200	46	63	850	<110	0.61	Not operating
	9/6/2007	17.25	Sheen [Field & Lab]	146.24		8,400 [e,f,k,g]	---	27,000 [d,g]	1,500	150	120	4,500	<250	0.55	Not operating
	12/8/2007	15.15	Sheen [Field & Lab]	148.34		790 [e,f,g]	---	7,600 [d,g]	690	27	39	570	<80	0.72	Not operating
	3/9/2008	10.77	Sheen [Field]	152.72	(Z)	(3,000 [e])	(<250)	(8,100 [d])	(830)	(7.7)	(55)	(310)	(<50)	0.79	Not operating
	6/14/2008	16.68	Sheen [Field]	146.81	(Z)	(4,200 [e])	(<250)	(15,000 [d])	(1,100)	(50)	(86)	(1,300)	(<150)	1.2	Not operating
	9/6/2008	17.27	Sheen [Field & Lab]	146.22	(Z^{TPHd})	(2,800 [e,g])	---	24,000 [d,g]	1,400	65	130	2,300	<250	1.28	Not operating
	12/28/2008	13.35	Sheen [Field & Lab]	150.14	(Z^{TPHd})	(1,800 [e,g])	<250	7,500 [d,g]	630	21	40	210	22 [o]	1.20	Not operating
	3/14/2009	**9.30**	**Sheen [Field]**	**154.19**	**(Z^{TPHd})**	**2,800 [e,f,k] (3,200 [e])**	**---**	**8,800 [d]**	**980**	**23**	**61**	**220**	**22 [o]**	**1.27**	Not operating
RW-5	1/13/2003	10.20	---	---		3,000	---	14,000	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		6,100[e,f,k]	---	7,000[d]	720	63	97	670	<400	0.93	Not operating
	6/21/2005	10.02	Sheen [Field]	152.32		490[e]	---	11,000[d]	1,200	67	68	690	<500	---	Not operating
	9/21/2005	15.07	Sheen [Field & Lab]	147.27		2,500[e,f,k,g]	---	2,000[d,g]	390	16	24	170	1,300	0.99	Not operating
	12/14/2005	12.95	Sheen [Field & Lab]	149.39		6,200[e,f,k,g]	---	8,900[d,g]	1,500	92	180	750	2,300	1.03	Not operating
	3/22/2006	2.55	Sheen [Field]	159.79		2,700[e,f,k]	---	7,400[d]	59	76	20	120	<50	1.10	Not operating
	6/30/2006	13.32	Sheen [Field]	149.02		3,100[e,f,k]	---	3,100[d]	590	15	27	88	410	0.89	Not operating
	9/5/2006	15.55	Sheen [Field & Lab]	146.79		3,200[e,f,k,g]	---	5,300[d,g]	1,000	31	61	230	370	0.81	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*	*TPHd* *(µg/L)*	*TPHmo* *(µg/L)*	*TPHg* *(µg/L)*	*Benzene* *(µg/L)*	*Toluene* *(µg/L)*	*Ethylbenzene* *(µg/L)*	*Xylenes* *(µg/L)*	*MTBE* *(µg/L)*	*DO* *(mg/L)*	*DPE System Status*
RW-5	12/6/2006	14.53	Sheen [Field & Lab]	147.81		5,500 [e,f,g]	---	8,500 [d,g]	1,200	24	91	250	<900	0.79	Not operating
Continued	3/16/2007	8.81	Sheen [Field & Lab]	153.53		2,500 [e,f,k,g]	---	2,400 [d,g]	180	3.3	7.3	10	<17	0.62	Not operating
	6/15/2007	13.84	Sheen [Field & Lab]	148.50		2,000 [e,k,f,g]	---	3,700 [d,g]	730	14	36	80	<150	0.65	Not operating
	9/6/2007	15.85	Sheen [Field]	146.49		1,000 [e,f]	---	2,500 [d]	600	12	24	92	180	0.68	Not operating
	12/8/2007	13.99	Sheen [Field]	148.35		370 [e,f]	---	1,900 [d]	220	4.0	10	38	500	0.74	Not operating
	3/9/2008	8.77	Sheen [Field]	153.57	(Z)	(90 [e])	(<250)	(1,100 [d])	(220)	(5.3)	(4.9)	(10)	(<90)	0.92	Not operating
	6/14/2008	15.21	Sheen [Field]	147.13	(Z)	(190 [e])	(<250)	(1,200 [d])	(310)	(5.8)	(3.5)	(25)	(<250)	1.73	Not operating
	9/6/2008	16.01	Sheen [Field]	146.33	(Z^{TPHd})	(220 [e])	---	1,100 [d]	120	2.6	2.2	13	120	1.42	Not operating
	12/28/2008	10.55	Sheen [Field]	151.79	(Z^{TPHd})	(250 [m])	<250	1,200 [d,n]	110	5.6	2.5	9.8	81 [o]	1.13	Not operating
	3/14/2009	**6.82**	**Sheen [Field]**	**155.52**	**(Z^{TPHd})**	**2,000 [f,k,m] (750 [e])**	**---**	**2,000 [d]**	**260**	**9.8**	**9.5**	**18.0**	**38 [o]**	**1.15**	Not operating
RW-6	3/11/2002	--	---	---		3,100	---	14,000	970	520	170	2,200	<130	---	
162.36	1/13/2003	10.35	---	---		2,900	---	15,000	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
	9/21/2005	15.13	---	147.23		---	---	---	---	---	---	---	---	---	Not operating
	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
	12/28/2008	12.02	---	150.34		---	---	---	---	---	---	---	---	---	Not operating
	3/14/2009	**7.16**	**---**	**155.20**		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	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*	*TPHd* *(µg/L)*	*TPHmo* *(µg/L)*	*TPHg* *(µg/L)*	*Benzene* *(µg/L)*	*Toluene* *(µg/L)*	*Ethylbenzene* *(µg/L)*	*Xylenes* *(µg/L)*	*MTBE* *(µg/L)*	*DO* *(mg/L)*	*DPE System Status*
RW-7	3/11/2002	---	---	---		<50	---	<50	<0.5	<0.5	<0.5	<0.5	<5.0	---	
162.72	1/13/2003	10.95	---	---		67	---	<50	<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
	3/9/2008	9.69	---	153.03		---	---	---	---	---	---	---	---	---	Not operating
	6/14/2008	15.80	---	146.92		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2008	16.51	---	146.21		---	---	---	---	---	---	---	---	---	Not operating
	12/28/2008	12.62	---	150.10		---	---	---	---	---	---	---	---	---	Not operating
	3/14/2009	**7.94**	**---**	**154.78**		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	Not operating
RW-8	3/11/2002	---	---	---		80	---	1,300	620	11	15	14	<60	---	
164.13	1/13/2003	12.80	---	---		56	---	390	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

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	TPHd (µg/L)	TPHmo (µg/L)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	DPE System Status
RW-8	6/30/2006	15.31	---	148.82		---	---	---	---	---	---	---	---	---	Not operating
Continued	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
	12/28/2008	13.80	---	150.33		---	---	---	---	---	---	---	---	---	Not operating
	3/14/2009	**9.25**	**---**	**154.88**		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	Not operating
RW-9	3/11/2002	---	---	---		880	---	12,000	3,400	230	78	1,300	<240	---	
163.86	1/13/2003	11.85	---	---		2,000	---	23,000	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
	12/27/2004	24.88	---	138.98		---	---	---	---	---	---	---	---	---	Not operating
	3/7/2005	7.87	---	155.99		510[e]	---	9,000[d]	2,600	69	200	550	<500	0.91	Not operating
	6/21/2005	11.90	---	151.96		630[e]	---	9,400[d]	2,400	69	210	470	<350	---	Not operating
	9/21/2005	16.62	Sheen [Lab]	147.24		820[e,f,g]	---	8,300[d,g]	2,500	36	190	310	<170	1.04	Not operating
	12/14/2005	14.52	---	149.34		1,100[e,f]	---	6,300[d]	1,900	29	150	260	<50	0.98	Not operating
	3/22/2006	7.63	---	156.23		680[e]	---	7,600[d]	2,900	59	190	310	<200	0.95	Not operating
	6/30/2006	15.04	---	148.82		1,400[e]	---	14,000[d]	3,100	53	130	260	<300	0.73	Not operating
	9/5/2006	17.02	---	146.84		1,100[e]	---	14,000[d]	3,900	39	200	230	<330	0.69	Not operating
	12/6/2006	16.04	Sheen [Lab]	147.82		660 [e,g]	---	13,000 [d,g]	3,000	29	180	260	<250	0.74	Not operating
	3/16/2007	10.83	Sheen [Lab]	153.03		1,200 [e]	---	16,000 [d,g]	3,700	76	230	340	<350	0.71	Not operating
	6/15/2007	15.48	---	148.38		670 [e]	---	12,000 [d]	3,000	44	170	220	<250	0.68	Not operating
	9/6/2007	17.29	Sheen [Field & Lab]	146.57		2,200 [e,f,g]	---	13,000 [d,g]	2,700	61	240	350	<400	0.66	Not operating
	12/8/2007	15.22	Sheen [Field]	148.64		1,000 [e,f]	---	9,300 [d]	2,900	24	150	170	<250	0.89	Not operating
	3/9/2008	10.86	---	153.00	(Z)	(570 [e])	(<250)	(10,000 [d])	(4,200)	(71)	(180)	(380)	(<35)	0.86	Not operating
	6/14/2008	16.71	---	147.15	(Z)	(610)	(<250)	(8,100 [d])	(2,800)	(33)	(100)	(220)	(<210)	1.29	Not operating
	9/6/2008	17.31	Sheen [Lab]	146.55	(Z^{TPHd})	(1,600 [e,g])	---	13,000 [d,g]	3,600	52	170	220	<350	1.22	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*	*TPHd* *(µg/L)*	*TPHmo* *(µg/L)*	*TPHg* *(µg/L)*	*Benzene* *(µg/L)*	*Toluene* *(µg/L)*	*Ethylbenzene* *(µg/L)*	*Xylenes* *(µg/L)*	*MTBE* *(µg/L)*	*DO* *(mg/L)*	*DPE System Status*
RW-9	12/28/2008	13.41	Sheen [Field]	150.45	(Z^{TPHd})	(950 [e])	<250	7,300 [d]	3,500	24	150	200	30 [o]	1.28	Not operating
Continued	**3/14/2009**	**8.97**	**Sheen [Field]**	**154.89**	**(Z^{TPHd})**	**450 [e] (440 [e])**	**---**	**14,000 [d]**	**3,600**	**71**	**190**	**380**	**31 [o]**	**1.21**	Not operating
RW-10	3/11/2002	---	---	---		740	---	12,000	3,900	150	110	1,100	<270	---	
163.02	1/13/2003	10.75	---	---		330	---	4,300	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
	6/15/2007	14.52	---	148.50		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2007	16.23	---	146.79		---	---	---	---	---	---	---	---	---	Not operating
	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
	12/28/2008	12.42	---	150.60		---	---	---	---	---	---	---	---	---	Not operating
	3/14/2009	**8.02**	**---**	**155.00**		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	Not operating
RW-11	3/11/2002	---	---	---		<50	---	260	34	5.3	8.1	48	<5.0	---	
162.57	1/13/2003	9.80	---	---		2,700	---	5,300	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

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	TPHd (µg/L)	TPHmo (µg/L)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	DPE System Status
RW-11	9/21/2005	15.09	---	147.48		---	---	---	---	---	---	---	---	---	Not operating
Continued	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
	12/28/2008	12.01	---	150.56		---	---	---	---	---	---	---	---	---	Not operating
	3/14/2009	**7.14**	**---**	**155.43**		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	Not operating
RW-12	3/11/2002	---	---	---		900	---	13,000	4,500	130	130	270	<5.0	---	
163.06	1/13/2003	10.90	---	---		1,800	---	4,100	1,000	130	99	99	<100	0.21	
	3/18/2004	13.63	---	---		---	---	17,000	2,700	960	230	1,500	1,400	---	
	6/16/2004	15.30	---	147.76		---	---	---	---	---	---	---	---	---	Not operating
	9/27/2004	19.09	---	143.97		---	---	---	---	---	---	---	---	---	Not operating
	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

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*	*TPHd* *(µg/L)*	*TPHmo* *(µg/L)*	*TPHg* *(µg/L)*	*Benzene* *(µg/L)*	*Toluene* *(µg/L)*	*Ethylbenzene* *(µg/L)*	*Xylenes* *(µg/L)*	*MTBE* *(µg/L)*	*DO* *(mg/L)*	*DPE System Status*
RW-12	6/14/2008	15.74	---	147.32		---	---	---	---	---	---	---	---	---	Not operating
Continued	9/6/2008	16.58	---	146.48		---	---	---	---	---	---	---	---	---	Not operating
	12/28/2008	12.80	---	150.26		---	---	---	---	---	---	---	---	---	Not operating
	3/14/2009	**7.77**	**---**	**155.29**		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	Not operating
RW-13	3/11/2002	---	---	---		79	---	830	190	13	13	34	<5.0	---	
164.34	1/13/2003	11.20	---	---		92	---	210	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
	9/5/2006	16.62	---	147.72		---	---	---	---	---	---	---	---	---	Not operating
	12/6/2006	15.70	---	148.64		---	---	---	---	---	---	---	---	---	Not operating
	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
	12/28/2008	13.26	---	151.08		---	---	---	---	---	---	---	---	---	Not operating
	3/14/2009	**8.16**	**---**	**156.18**		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	Not operating
RW-14	3/11/2002	---	---	---		82	---	270	44	0.99	<0.5	4.2	<5.0	---	
163.76	1/13/2003	11.00	---	---		6800	---	3700	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

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	TPHd (µg/L)	TPHmo (µg/L)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	DPE System Status
RW-14	3/7/2005	6.61	---	157.15		---	---	---	---	---	---	---	---	---	Not operating
Continued	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
	12/28/08	12.82	---	150.94		---	---	---	---	---	---	---	---	---	Not operating
	03/14/09	**7.88**	**---**	**155.88**		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	Not operating

Methods and Abbreviations:

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 Separation Protocol for Extractables & Purgeables

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

( ) = Zemo Gravity Separation Protocol Use Prior to Analysis

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

TPHd = Total petroleum hydrocarbons as diesel by modified EPA Method SW8015C; with Dawn Zemo Separation in (parentheses)

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

Notes:

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

n = Strongly aged gasoline or diesel range compounds are significant in the TPHg chromatogram.

o = MTBE by EPA Method SW8260B

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*	*TPHd*	*TPHmo*	*TPHg*	*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***

DO = Dissolved oxygen
µg/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

* = 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

TABLE 3

GROUNDWATER ANALYTICAL DATA - OXYGENATED VOLATILE ORGANIC COMPOUNDS
FORMER EXXON SERVICE STATION
3055 35TH AVENUE, OAKLAND, CALIFORNIA

Well ID *TOC*	*Date*	*GW Depth* *(ft TOC)*	*GW Elev.* *(ft msl)*	*TAME* *(µg/L)*	*TBA* *(µg/L)*	*EDB* *(µg/L)*	*1,2-DCA* *(µg/L)*	*DIPE* *(µg/L)*	*ETBE* *(µg/L)*	*Notes*
MW-1	9/6/2008	20.66	146.36	<1.2	59	<1.2	<1.2	<1.2	<1.2	
167.02	12/28/2008	16.57	150.45	<1.7	59	<1.7	<1.7	<1.7	<1.7	
	3/14/2009	**12.57**	**154.45**	**<2.5**	**58**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	
MW-2	9/6/2008	19.41	146.73	<2.5	92	<2.5	<2.5	<2.5	<2.5	a
166.14	12/28/2008	15.73	150.41	<2.5	110	<2.5	<2.5	<2.5	<2.5	
	3/14/2009	**10.52**	**155.62**	**<5.0**	**170**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	
MW-3	9/6/2008	16.65	146.29	<17	360	<17	<17	<17	<17	a
162.94	12/28/2008	12.72	150.22	<10	190	<10	<10	<10	<10	a
	3/14/2009	**9.02**	**153.92**	**<12**	**210**	**<12**	**<12**	**<12**	**<12**	
MW-4	9/6/2008	17.27	146.22	<2.5	63	<2.5	<2.5	<2.5	<2.5	a
163.49	12/28/2008	13.35	150.14	<2.5	55	<2.5	<2.5	<2.5	<2.5	a
	3/14/2009	**9.30**	**154.19**	**<2.5**	**67**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	
RW-5	9/6/2008	16.01	146.33	<2.5	410	<2.5	<2.5	<2.5	<2.5	
162.34	12/28/2008	10.55	151.79	<2.5	77	<2.5	<2.5	<2.5	<2.5	
	3/14/2009	**6.82**	**155.52**	**<1.0**	**76**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	
RW-9	9/6/2008	17.31	146.55	<10	230	<10	<10	<10	<10	a
163.86	12/28/2008	13.41	150.45	<5.0	190	<5.0	<5.0	<5.0	<5.0	
	3/14/2009	**8.97**	**154.89**	**<10**	**210**	**<10**	**<10**	**<10**	**<10**	

Abbreviations:

TOC = Top of casing

TOC Elevations surveyed by Virgil Chavez Land Surveying on June 2, 2004
to CA State Cooordinate System, Zone III (NAD83);
Benchmark elevation = 177.397 feet (NGVD 29)

GW Depth = Groundwater depth measured in feet below top of casing

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

ft TOC = Feet below top of casing

ft msl = Feet above mean sea level

µg/L = Micrograms per liter

TAME = Tert-amyl methyl ether by EPA Method SW8260B

TBA = t-Butyl alcohol by EPA Method SW8260B

EDB = 1,2-Dibromoethane by EPA Method SW8260B

1,2-DCA = 1,2-Dichloroethane by EPA Method SW8260B

DIPE = Diisopropyl ether by EPA Method SW8260B

ETBE = Ethyl tert-butyl ether by EPA Method SW8260B

Laboratory Analytical Notes

a = Lighter than water immiscible sheen/product is present

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. Cambria'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 CHAIN-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 Property	Date Sampled: 03/14/09
		Date Received: 03/16/09
	Client Contact: Mark Jonas	Date Reported: 03/23/09
	Client P.O.:	Date Completed: 03/20/09

WorkOrder: 0903385

March 23, 2009

Dear Mark:

Enclosed within are:

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

0903385

McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY

GeoTracker EDF ☒ PDF ☐ Excel ☐ Write On (DW) ☐

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

Report To: Mark Jonas Bill To: Conestoga-Rovers & Associates

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

E-Mail: mjonas@craworld.com mwerner@craworld.com

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

Project #: 130105 Project Name: Golden Empire Property

Project Location: 3055 35th Avenue, Oakland, CA

Sampler Signature: Muskan Environmental Sampling

	SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED ICE	HCL	HNO_3	Other	BTEX & TPH as Gas (602 / 8021 + 8015) / [redacted]	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)	Other: MTBE, TAME, DIPE, ETBE, TBA, EDB, EDC by 8260B	Comments: Filter Samples for Metals analysis: Yes / No
+	MW-1		3-14-09	9:45	4	VOA amb	X					X	X			X	X														X		
+	MW-2		"	1:15	"	"	"					"	"			X	X														X		
+	MW-3		"	11:10	"	"	"					"	"			X	X														X		
+	MW-4		"	10:15	"	"	"					"	"			X	X														X		
+	RW-5		"	12:10	"	"	"					"	"			X	X														X		
+	RW-9		"	8:55	"	"	"					"	"			X	X														X		

	Relinquished By:	Date:	Time:	Received By:
		3/16/09	9:10	
		3/16/09	9:25	

ICE/t° 2.7
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

PRESERVATION VOAS ✓ O&G METALS OTHER pH<2

COMMENTS:
" TPHd with silica gel cleanup with and without Zemo Gravity Separation Protocol"

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0903385 **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 Property

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

Requested TAT: 5 days

Date Received: **03/16/2009**
Date Printed: **03/16/2009**

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
0903385-001	MW-1	Water	3/14/2009 9:45	☐	D	A	A	C	B							
0903385-002	MW-2	Water	3/14/2009 13:15	☐	D	A		C	B							
0903385-003	MW-3	Water	3/14/2009 11:10	☐	D	A		C	B							
0903385-004	MW-4	Water	3/14/2009 10:15	☐	D	A		C	B							
0903385-005	RW-5	Water	3/14/2009 12:10	☐	D	A		C	B							
0903385-006	RW-9	Water	3/14/2009 8:55	☐	D	A		C	B							

Test Legend:

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

McCampbell Analytical, Inc.
"When Quality Counts"

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

Sample Receipt Checklist

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

Date and Time Received: **03/16/09 9:31:29 AM**

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

Checklist completed and reviewed by: Maria Venegas

WorkOrder N°: **0903385** Matrix Water

Carrier: Rob Pringle (MAI Courier)

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: 2.2°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 Property	Date Sampled: 03/14/09
		Date Received: 03/16/09
5900 Hollis St, Suite A	Client Contact: Mark Jonas	Date Extracted: 03/20/09
Emeryville, CA 94608	Client P.O.:	Date Analyzed 03/20/09

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0903385

Lab ID	0903385-001D	0903385-002D	0903385-003D	0903385-004D	Reporting Limit for DF =1	
Client ID	MW-1	MW-2	MW-3	MW-4		
Matrix	W	W	W	W		
DF	5	10	25	5	S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND<2.5	ND<5.0	ND<12	ND<2.5	NA	0.5
t-Butyl alcohol (TBA)	58	170	210	67	NA	2.0
1,2-Dibromoethane (EDB)	ND<2.5	ND<5.0	ND<12	ND<2.5	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<2.5	ND<5.0	ND<12	ND<2.5	NA	0.5
Diisopropyl ether (DIPE)	ND<2.5	ND<5.0	ND<12	ND<2.5	NA	0.5
Ethyl tert-butyl ether (ETBE)	ND<2.5	ND<5.0	ND<12	ND<2.5	NA	0.5
Methyl-t-butyl ether (MTBE)	35	120	97	22	NA	0.5
Surrogate Recoveries (%)						
%SS1:	90	89	91	91		
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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Conestoga-Rovers & Associates	Client Project ID: #130105; Golden Empire Property	Date Sampled: 03/14/09
		Date Received: 03/16/09
5900 Hollis St, Suite A	Client Contact: Mark Jonas	Date Extracted: 03/20/09
Emeryville, CA 94608	Client P.O.:	Date Analyzed 03/20/09

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0903385

Lab ID	0903385-005D	0903385-006D			Reporting Limit for DF =1	
Client ID	RW-5	RW-9				
Matrix	W	W				
DF	2	20			S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND<1.0	ND<10			NA	0.5
t-Butyl alcohol (TBA)	76	210			NA	2.0
1,2-Dibromoethane (EDB)	ND<1.0	ND<10			NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<1.0	ND<10			NA	0.5
Diisopropyl ether (DIPE)	ND<1.0	ND<10			NA	0.5
Ethyl tert-butyl ether (ETBE)	ND<1.0	ND<10			NA	0.5
Methyl-t-butyl ether (MTBE)	38	31			NA	0.5
Surrogate Recoveries (%)						
%SS1:	91	90				
Comments						

* 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

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Conestoga-Rovers & Associates	Client Project ID: #130105; Golden Empire Property	Date Sampled: 03/14/09
		Date Received: 03/16/09
5900 Hollis St, Suite A	Client Contact: Mark Jonas	Date Extracted: 03/18/09-03/19/09
Emeryville, CA 94608	Client P.O.:	Date Analyzed 03/18/09-03/19/09

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

Extraction method SW5030B Analytical methods SW8021B/8015Bm Work Order: 0903385

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-1	W	6700,d1	---	1100	23	100	180	20	100
002A	MW-2	W	11,000,d1	---	1100	23	23	250	20	107
003A	MW-3	W	41,000,d1,b6	---	4900	140	940	1600	50	113
004A	MW-4	W	8800,d1	---	980	23	61	220	20	105
005A	RW-5	W	2000,d1	---	260	9.8	9.5	18	1	102
006A	RW-9	W	14,000,d1	---	3600	71	190	380	20	100

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5	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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Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates	Client Project ID: #130105; Golden Empire Property	Date Sampled: 03/14/09
		Date Received: 03/16/09
5900 Hollis St, Suite A	Client Contact: Mark Jonas	Date Extracted: 03/16/09
Emeryville, CA 94608	Client P.O.:	Date Analyzed 03/16/09-03/17/09

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3510C/3630C Analytical methods: SW8015B Work Order: 0903385

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	DF	% SS
0903385-001C	MW-1	W	2000,e4,e2,e7	1	91
0903385-002C	MW-2	W	3300,e4,e2,e7	1	82
0903385-003C	MW-3	W	8700,e4,e2,e7,b6	1	88
0903385-004C	MW-4	W	2800,e4,e2,e7	1	81
0903385-005C	RW-5	W	2000,e11,e2,e7	1	81
0903385-006C	RW-9	W	450,e4	1	82

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/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.
e7) oil range compounds are significant
e11) stoddard solvent/mineral spirit (?)

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Conestoga-Rovers & Associates	Client Project ID: #130105; Golden Empire Property	Date Sampled: 03/14/09
		Date Received: 03/16/09
5900 Hollis St, Suite A	Client Contact: Mark Jonas	Date Extracted: 03/16/09
Emeryville, CA 94608	Client P.O.:	Date Analyzed 03/19/09

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

Extraction method SW3510C/3630C/Dawn Zemo Separa Analytical methods: SW8015B Work Order: 0903385

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	DF	% SS
0903385-001B	MW-1	W	860,e4	1	109
0903385-002B	MW-2	W	2700,e4	1	108
0903385-003B	MW-3	W	8100,e4,b6	1	109
0903385-004B	MW-4	W	3200,e4	1	98
0903385-005B	RW-5	W	750,e4	1	108
0903385-006B	RW-9	W	440,e4	1	82

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
e4) gasoline range compounds are significant.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 42065 WorkOrder 0903385

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0903382-031C**

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	112	116	3.56	86	90.6	5.23	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	2.4	50	119	119	0	80.7	82.2	1.88	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	126	123	2.34	93.8	98.9	5.25	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	128	124	3.24	97.3	101	3.42	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	125	123	1.79	88.2	90.3	2.40	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	127	125	1.36	93.3	95.2	2.04	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	120	118	1.58	89.4	92.6	3.42	70 - 130	30	70 - 130	30
%SS1:	82	25	84	85	0.938	87	87	0	70 - 130	30	70 - 130	30

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

BATCH 42065 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0903385-001D	03/14/09 9:45 AM	03/20/09	03/20/09 12:45 AM	0903385-002D	03/14/09 1:15 PM	03/20/09	03/20/09 1:28 AM
0903385-003D	03/14/09 11:10 AM	03/20/09	03/20/09 2:11 AM	0903385-004D	03/14/09 10:15 AM	03/20/09	03/20/09 2:55 AM
0903385-005D	03/14/09 12:10 PM	03/20/09	03/20/09 3:38 AM	0903385-006D	03/14/09 8:55 AM	03/20/09	03/20/09 4:22 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.

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

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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 42067 WorkOrder 0903385

EPA Method SW8021B/8015Bm **Extraction SW5030B** **Spiked Sample ID: 0903392-002A**

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	93.1	85.4	8.65	113	105	6.99	70 - 130	20	70 - 130	20
MTBE	ND	10	93.2	94	0.909	109	115	5.35	70 - 130	20	70 - 130	20
Benzene	ND	10	96.3	88.3	8.58	98.7	102	3.21	70 - 130	20	70 - 130	20
Toluene	ND	10	89	81.6	8.64	109	113	3.18	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	95.6	86	10.5	108	111	3.30	70 - 130	20	70 - 130	20
Xylenes	ND	30	94.7	87.4	8.02	121	124	2.90	70 - 130	20	70 - 130	20
%SS:	93	10	99	99	0	93	95	2.09	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 42067 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0903385-001A	03/14/09 9:45 AM	03/18/09	03/18/09 4:36 PM	0903385-002A	03/14/09 1:15 PM	03/19/09	03/19/09 6:51 PM
0903385-003A	03/14/09 11:10 AM	03/18/09	03/18/09 3:03 PM	0903385-004A	03/14/09 10:15 AM	03/18/09	03/18/09 4:04 PM
0903385-005A	03/14/09 12:10 PM	03/18/09	03/18/09 11:56 PM	0903385-006A	03/14/09 8:55 AM	03/18/09	03/18/09 4:35 PM

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

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

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

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

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

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 42066 WorkOrder: 0903385

EPA Method SW8015B **Extraction SW3510C/3630C** **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	90.3	90.3	0	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	86	85	1.00	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 42066 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0903385-001C	03/14/09 9:45 AM	03/16/09	03/16/09 9:10 PM	0903385-002C	03/14/09 1:15 PM	03/16/09	03/16/09 10:16 PM
0903385-003C	03/14/09 11:10 AM	03/16/09	03/16/09 11:23 PM	0903385-004C	03/14/09 10:15 AM	03/16/09	03/17/09 12:29 AM
0903385-005C	03/14/09 12:10 PM	03/16/09	03/17/09 1:35 AM	0903385-006C	03/14/09 8:55 AM	03/16/09	03/17/09 2:42 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

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 42066 WorkOrder: 0903385

EPA Method SW8015B **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	90.3	90.3	0	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	86	85	1.00	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 42066 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0903385-001B	03/14/09 9:45 AM	03/16/09	03/19/09 10:18 AM	0903385-002B	03/14/09 1:15 PM	03/16/09	03/19/09 3:05 PM
0903385-003B	03/14/09 11:10 AM	03/16/09	03/19/09 4:16 PM	0903385-004B	03/14/09 10:15 AM	03/16/09	03/19/09 5:27 PM
0903385-005B	03/14/09 12:10 PM	03/16/09	03/19/09 6:38 PM	0903385-006B	03/14/09 8:55 AM	03/16/09	03/19/09 7:51 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.

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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: 3/14/2009 **Signature:**

Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-1	7:20		12.57		27.35	
MW-2	8:05		10.52		27.60	
MW-3	7:40		9.02		25.10	
MW-4	7:30		9.30		30.30	
RW-5	7:50		6.82		25.65	
RW-6	7:45		7.16		25.35	
RW-7	7:35		7.94		29.20	
RW-8	7:25		9.25		29.00	
RW-9	7:15		8.97		25.20	
RW-10	7:10		8.02		24.95	
RW-11	7:55		7.14		24.95	

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL GAUGING SHEET

Client: Conestoga-Rovers and Associates

Site Address: 3055 35th Avenue, Oakland, CA

Date: 3/14/2009 **Signature:**

Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
RW-12	8:00		7.77		25.85	
RW-13	7:00		8.16		24.85	
RW-14	7:05		7.88		24.85	

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	3/14/2009
Client:	Conestoga-Rovers and Associates
Site Address:	3055 35th Avenue, Oakland, CA
Well ID:	MW-1
Well Diameter:	4"
Purging Device:	3" Disposable Bailer
Sampling Method:	3" Disposable Bailer

Total Well Depth:	27.35	**Fe=**	**mg/L**
Depth to Water:	12.57	**ORP=**	**mV**
Water Column Height:	14.78	**DO=**	1.19 **mg/L**
Gallons/ft:	0.65		
1 Casing Volume (gal):	9.61		
3 Casing Volumes (gal):	28.82		

COMMENTS:
turbid, sheen

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
9:15	9.6	16.9	6.68	1070
9:25	19.2	16.6	6.60	1095
9:35	28.8	16.5	6.62	1040

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-1	3/14/2009	9:45	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:	3/14/2009
Client:	Conestoga-Rovers and Associates
Site Address:	3055 35th Avenue, Oakland, CA
Well ID:	MW-2
Well Diameter:	4"
Purging Device:	3" Disposable Bailer
Sampling Method:	3" Disposable Bailer

Total Well Depth:	27.60
Depth to Water:	10.52
Water Column Height:	17.08
Gallons/ft:	0.65
1 Casing Volume (gal):	11.10
3 Casing Volumes (gal):	33.31

Fe=	**mg/L**
ORP=	**mV**
DO=	0.67 **mg/L**

COMMENTS:
turbid, heavy sheen

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
12:30	11.1	16.6	6.71	795
12:40	22.2	16.6	6.70	810
12:55	33.3	16.8	6.64	812

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-2	3/14/2009	1:15	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:	3/14/2009
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	**Fe=**	**mg/L**
Depth to Water:	9.02	**ORP=**	**mV**
Water Column Height:	16.08	**DO=**	1.14 **mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	2.57		
3 Casing Volumes (gal):	7.72		

COMMENTS:
turbid, heavy sheen

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
10:35	2.6	17.0	6.61	1326
10:45	5.1	16.8	6.63	1359
10:55	7.7	16.9	6.59	1372

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-3	3/14/2009	11:10	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:	3/14/2009
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	**Fe=**	**mg/L**
Depth to Water:	9.30	**ORP=**	**mV**
Water Column Height:	21.00	**DO=**	1.27 **mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	3.36		
3 Casing Volumes (gal):	10.08		

COMMENTS:
turbid, sheen

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
10:00	3.4	17.3	6.52	871
10:05	6.7	17.1	6.60	871
10:10	10.1	16.9	6.58	875

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-4	3/14/2009	10:15	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:	3/14/2009
Client:	Conestoga-Rovers and Associates
Site Address:	3055 35th Avenue, Oakland, CA
Well ID:	RW-5
Well Diameter:	4"
Purging Device:	3" Disposable Bailer
Sampling Method:	3" Disposable Bailer

Total Well Depth:	25.65
Depth to Water:	6.82
Water Column Height:	18.83
Gallons/ft:	0.65
1 Casing Volume (gal):	12.24
3 Casing Volumes (gal):	36.72

Fe=	**mg/L**
ORP=	**mV**
DO= 1.15	**mg/L**

COMMENTS:
turbid, heavy sheen

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
11:35	12.2	17.3	6.81	740
11:45	24.5	17.6	6.79	716
11:55	36.7	17.7	6.77	722

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
RW-5	3/14/2009	12:10	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:	3/14/2009
Client:	Conestoga-Rovers and Associates
Site Address:	3055 35th Avenue, Oakland, CA
Well ID:	RW-9
Well Diameter:	4"
Purging Device:	3" Disposable Bailer
Sampling Method:	3" Disposable Bailer

Total Well Depth:	25.20	**Fe=**	**mg/L**
Depth to Water:	8.97	**ORP=**	**mV**
Water Column Height:	16.23	**DO=**	1.21 **mg/L**
Gallons/ft:	0.65		
1 Casing Volume (gal):	10.55		
3 Casing Volumes (gal):	31.65		

COMMENTS:
turbid, sheen

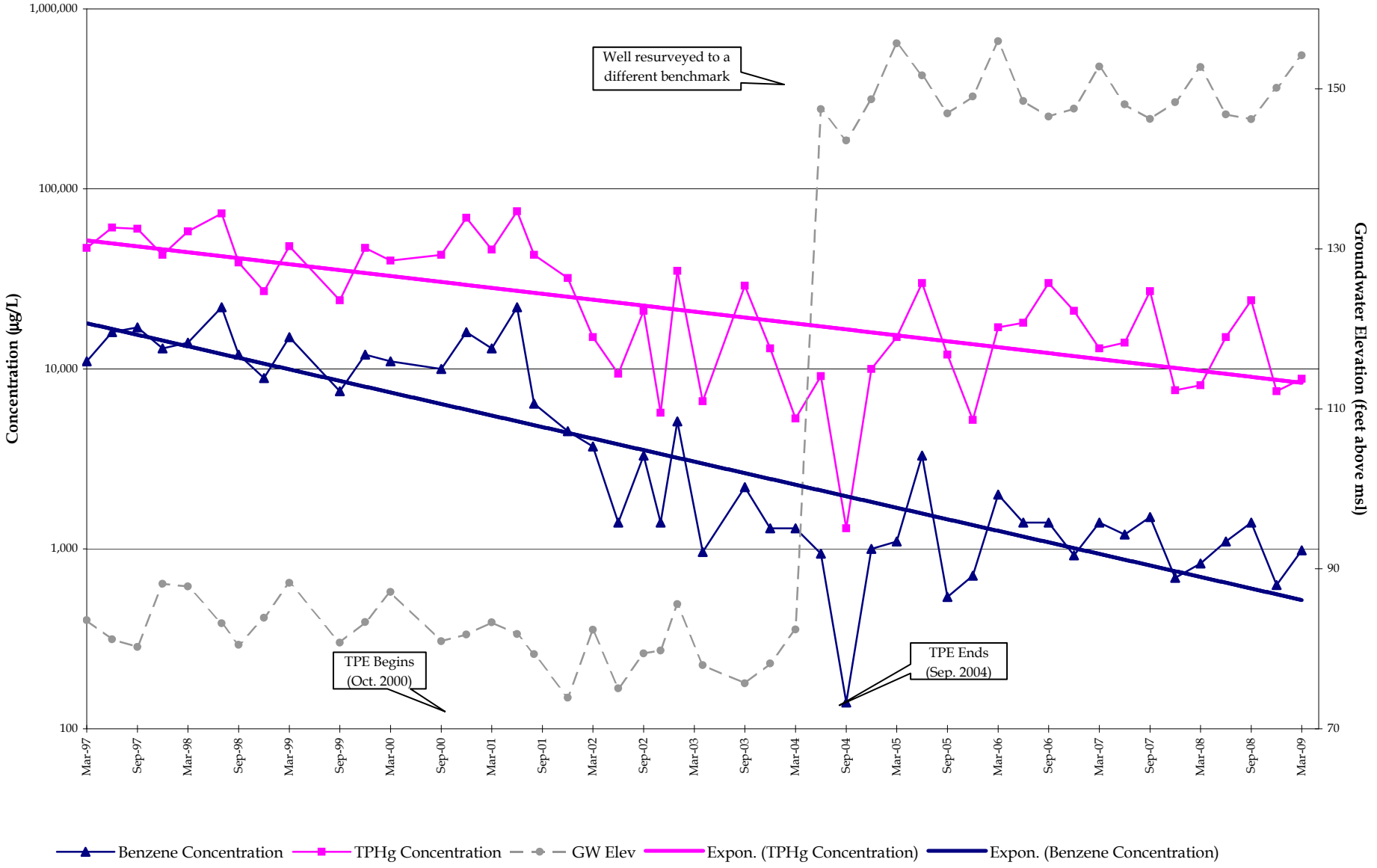
TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS)
8:30	10.5	16.9	6.85	1370
8:40	21.1	16.9	6.81	1354
8:50	31.6	16.9	6.79	1329

Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
RW-9	3/14/2009	8:55	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:		

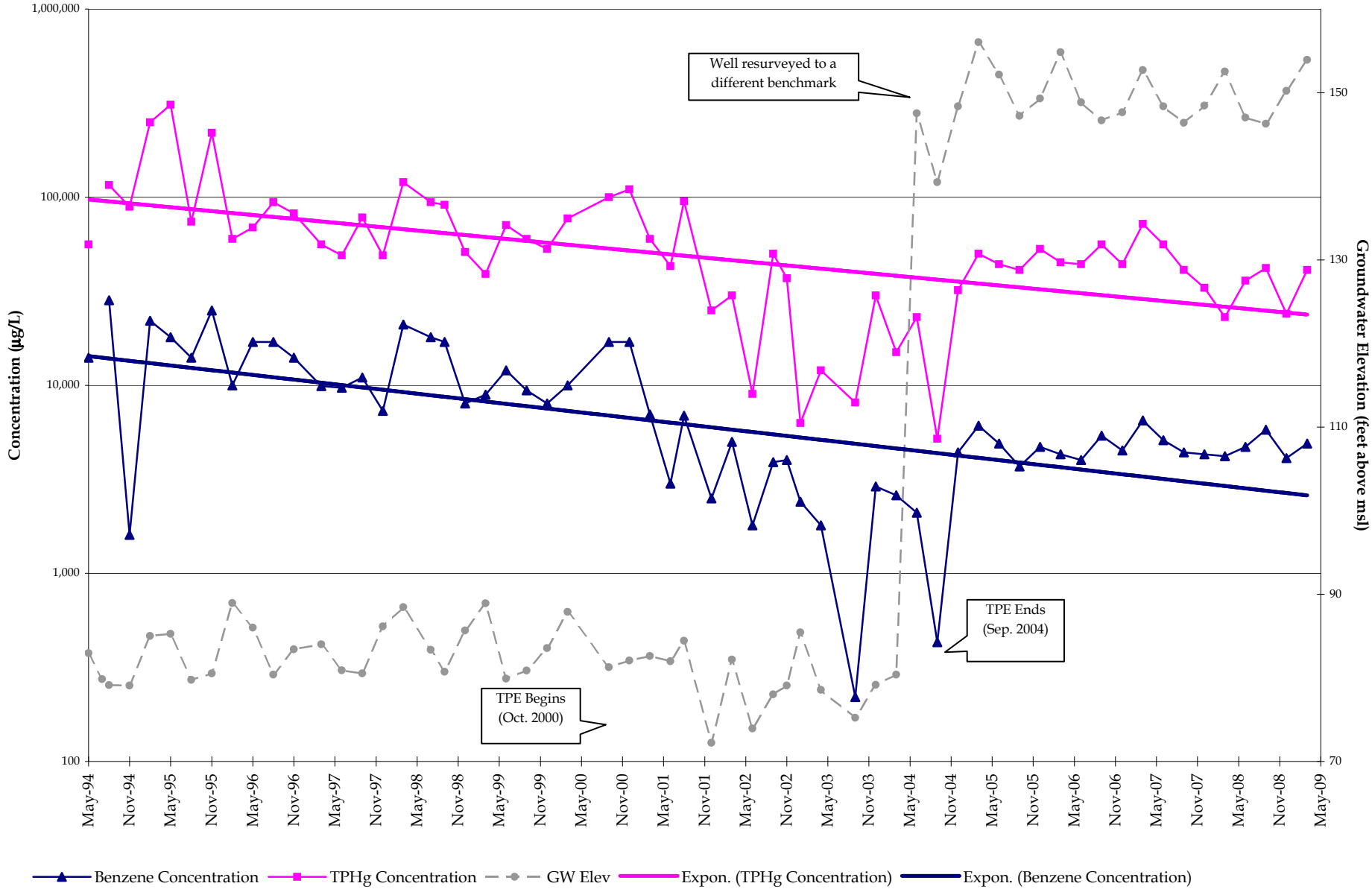
APPENDIX D

TPHG AND BENZENE CONCENTRATION TREND GRAPHS

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

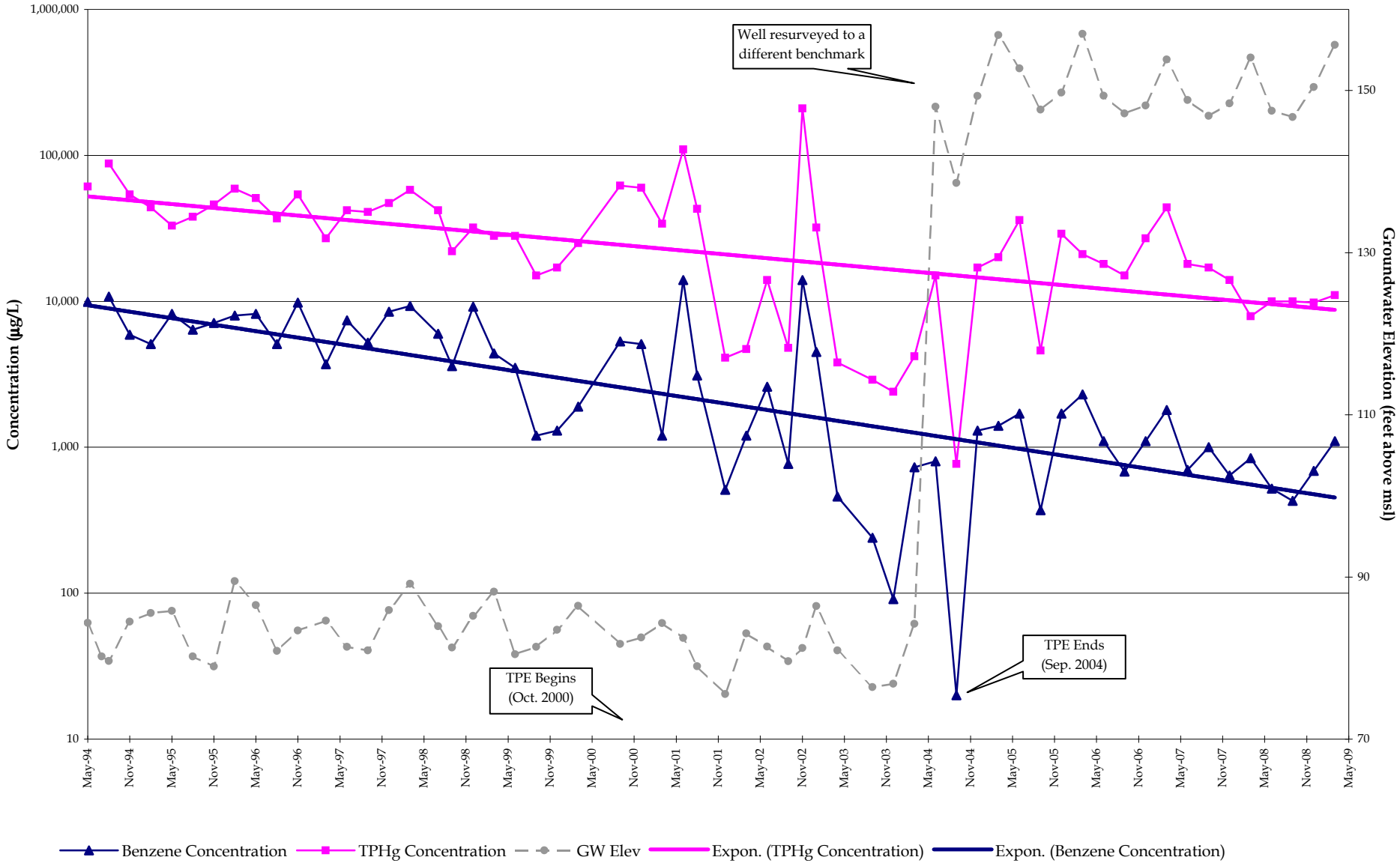


TPHg and Benzene Concentration Trends
Well MW-3 (March 1997 to Present)

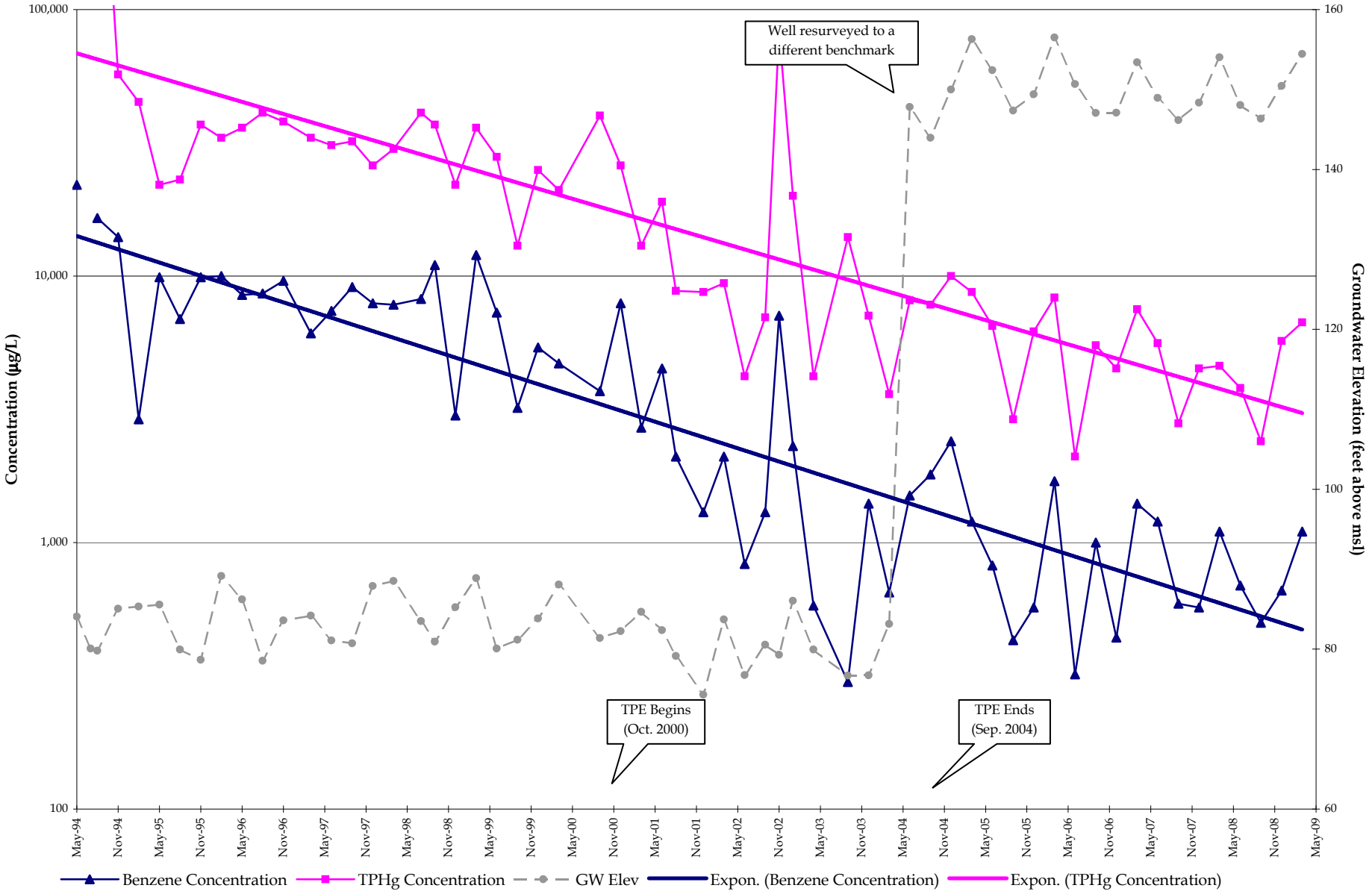


CRA 130105 (4)

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

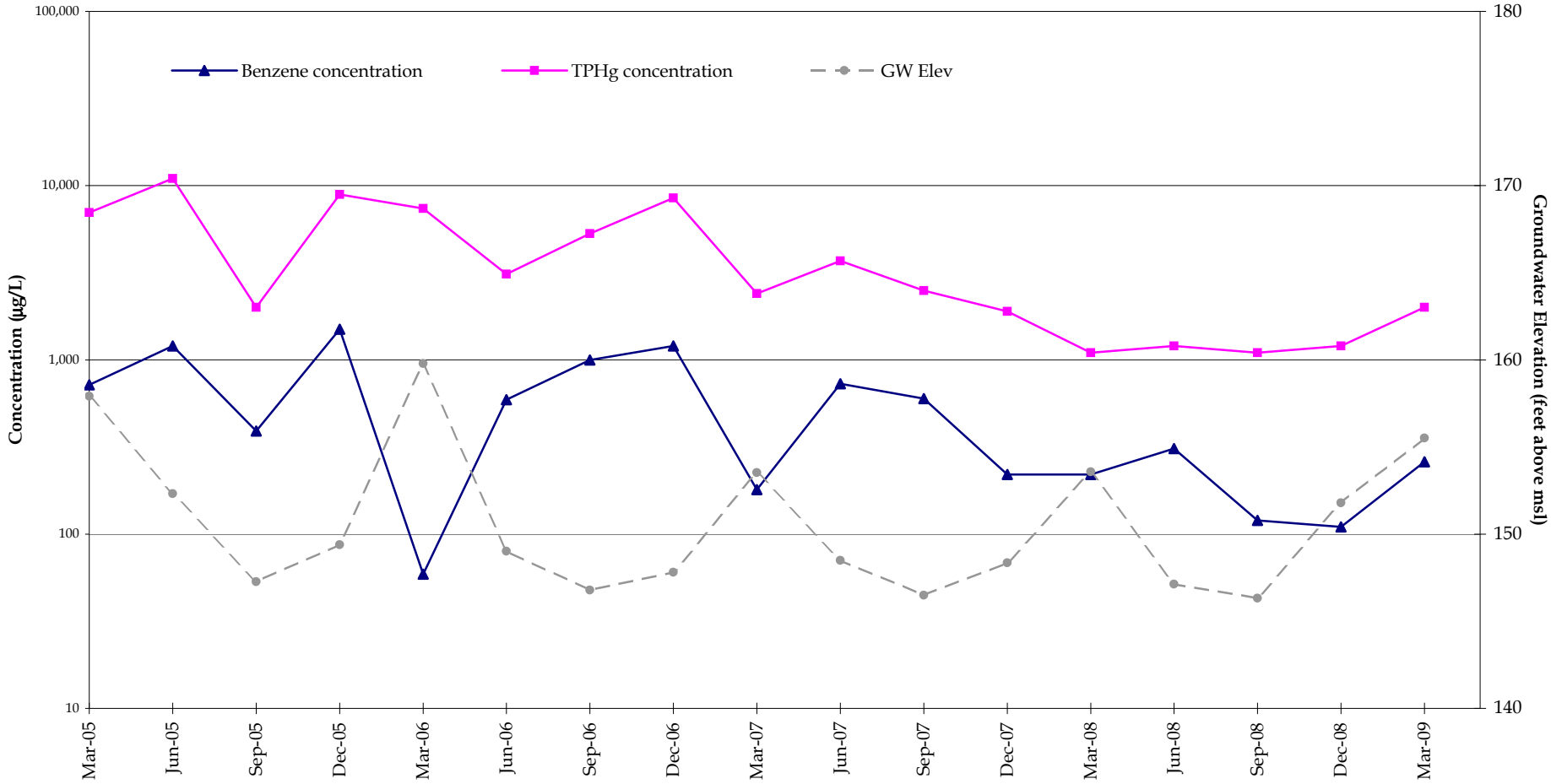


TPHg and Benzene Concentration Trends
Well MW-1 (March 1997 to Present)

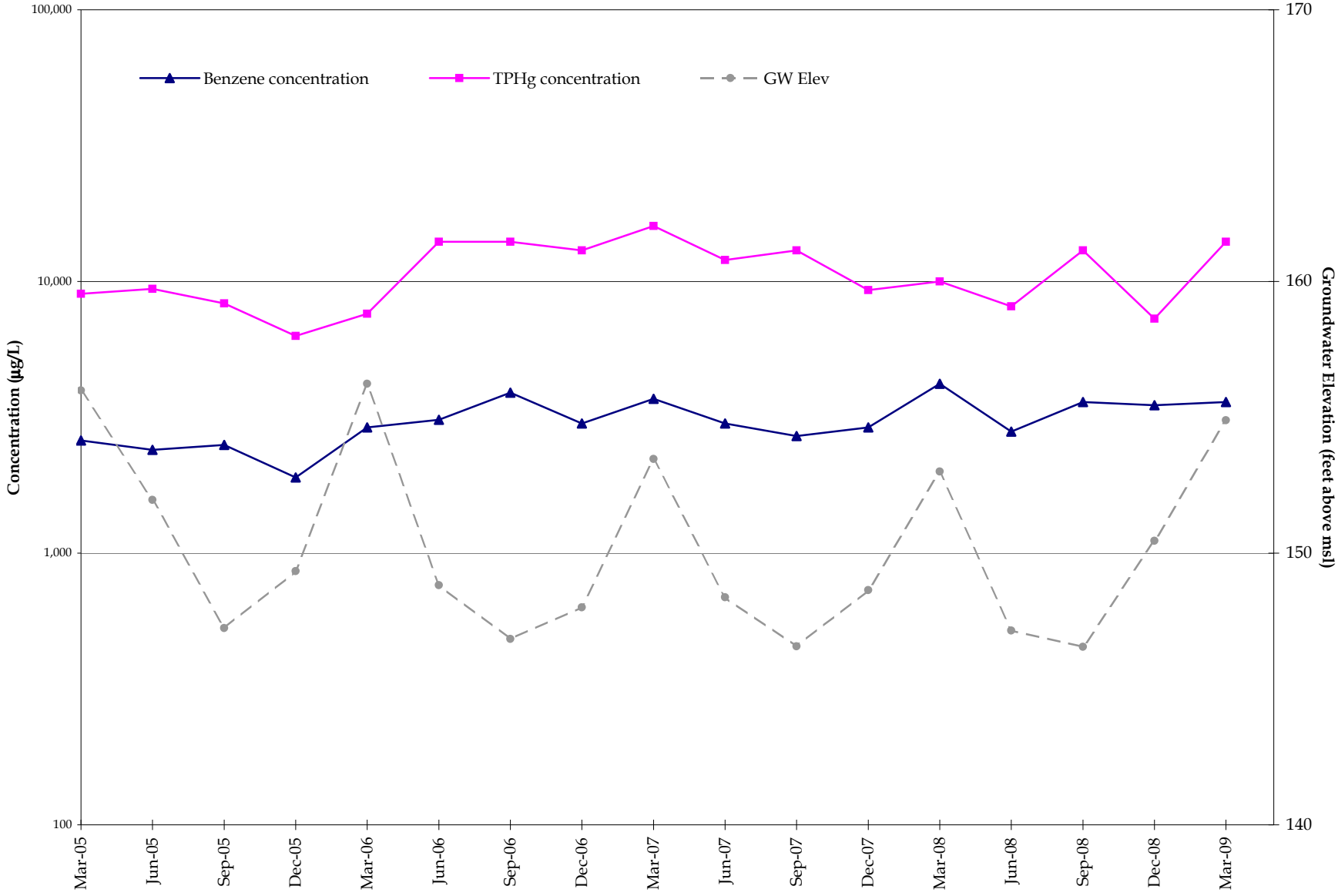


CRA 130105 (4)

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



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



CRA 130105 (4)