With respect to:

FIRST 2011 SEMI-ANNUAL GROUNDWATER MONITORING AND SAMPLING REPORT
Dated MAY 2, 2011
Fuel Leak Case No. **RO0000271**

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Lynn Worthington
Golden Empire Properties, Inc

4-28-2011
Date

CONESTOGA-ROVERS & ASSOCIATES

5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: (510) 420-0700 Fax: (510) 420-9170
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TRANSMITTAL

DATE: May 2, 2011

REFERENCE NO.: 130105

PROJECT NAME: 3055 35th Avenue, Oakland

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

Please find enclosed:
- ☐ Draft
- ☐ Originals
- ☐ Prints
- ☒ Final
- ☐ Other

Sent via:
- ☐ Mail
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- ☒ Other Geotracker and ACEH ftp uploads

QUANTITY	DESCRIPTION
1	First 2011 Semi-Annual Groundwater Monitoring and Sampling Report

- ☐ As Requested
- ☐ For Your Use
- ☒ For Review and Comment
- ☐
- ☐

COMMENTS:
Should you have any questions regarding the contents of this report, please contact Robert Foss at (510) 420-3348

Copy to: Mr. Lynn Worthington
Mr. Jeffrey Lawson
Ms. Dawn Zemo

Completed by: Robert Foss [Please Print] Signed: Robert Foss

Filing: **Correspondence File**

FIRST 2011 SEMI-ANNUAL GROUNDWATER MONITORING AND SAMPLING REPORT

FORMER EXXON SERVICE STATION
3055 35th AVENUE
OAKLAND, CALIFORNIA

AGENCY CASE NO. RO0000271

Prepared by:
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MAY 2, 2011
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1.0 INTRODUCTION

On behalf of Golden Empire Properties, Inc., Conestoga-Rovers & Associates (CRA) has prepared this *First 2011 Semi-Annual Groundwater Monitoring & Sampling Report* for the referenced site (Figure 1). Presented in the report are the First Half 2011 activities and anticipated Second Half 2011 activities.

Figure 2 includes recent groundwater elevations and selected dissolved hydrocarbon data. Table 1 includes well construction details and Table 2 includes recent and historical groundwater level measurements, calculated elevations and dissolved hydrocarbon data. Table 3 provides Third Quarter 2008 through First Quarter 2011 analytical data for oxygenated volatile organic compounds. Appendix A presents field data sheets, Appendix B contains the laboratory analytical and sample chain-of-custody records and Appendix C provides time-series plots with benzene and total petroleum hydrocarbons as gasoline (TPHg) concentrations, along with 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, Robert Foss, P.G.
Lead Agency and Contact Person	Alameda County Environmental Health (ACEH), Ms. Barbara Jakub
Agency Case Number	RO0000271

2.0 SITE ACTIVITIES AND RESULTS

2.1 CURRENT ACTIVITIES

2.1.1 MONITORING ACTIVITIES

CRA contracted Muskan Environmental Sampling (MES) to conduct semi-annual groundwater monitoring and sampling on March 17, 2011. MES measured depth to water and checked for the presence of separate-phase hydrocarbons (SPH) in each

monitoring well. Groundwater samples were collected from wells MW-1 through MW-4, RW-5, and RW-9. Monitoring and analytic data were submitted to GeoTracker.

Prior to sampling, groundwater levels were measured and each well was purged by placing the intake tube of a clean peristaltic pump approximately 1 foot below the initial water level. Depth of groundwater was again measured prior to low-flow purging, during purging, at termination of purging, and immediately prior to sample collection. Temperature, pH, specific conductance, oxygen reduction potential (ORP) and dissolved oxygen (DO) were measured initially and at regular volume intervals. Well purging continued until consecutive pH, specific conductance and temperature measurements were relatively stable. Field measurements, purge volumes, and sample collection data were recorded on field sampling data forms, presented in Appendix A.

Groundwater samples were collected from each well using a clean peristaltic pump. The samples were collected in 40-milliliter (mL) glass volatile organic analysis (VOA) vials and 1-liter amber glass containers supplied by McCampbell Analytical, Inc. (McCampbell) of Pittsburg, California. Sample containers were labeled, sealed in a plastic bag, placed on ice in a chilled cooler and delivered to McCampbell for analysis. A chain-of-custody (COC) record was maintained and is included in Appendix B.

2.1.2 SAMPLE ANALYSES

Groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) and benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method SW8021B/8015Bm. Analysis of total petroleum hydrocarbons as diesel (TPHd) with silica gel clean-up was conducted by modified EPA Method SW8015B. Fuel oxygenates methyl tertiary butyl ether (MTBE), tertiary butyl alcohol (TBA), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), and lead scavengers 1,2-dichloroethane (1,2-DCA) and 1,2-dibromomethane (EDB) were all analyzed by EPA Method SW8260B. Groundwater from each well was also measured in the field for dissolved oxygen (DO). DO was recorded on field data sheets provided in Appendix A and on Table 2. The laboratory analytical report is included as Appendix B. Analytical data have been submitted to the GeoTracker database.

2.1.3 CORRECTIVE ACTION ACTIVITIES

No corrective action activities have taken place during the first four months of 2011.

2.2 CURRENT CONDITIONS

Groundwater Flow Direction	West-Southwest
Hydraulic Gradient	0.009
Range of Measured Water Depth from Top of Casing in Monitoring Wells	15.40 to 19.99 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 17, 2011 site visit, groundwater beneath the site was calculated as flowing toward the west-southwest at a gradient of approximately 0.009 (Figure 2). The calculated groundwater gradient is generally consistent with historical static groundwater conditions. Groundwater monitoring data are presented in Tables 2 and 3.

2.2.2 HYDROCARBON DISTRIBUTION IN GROUNDWATER

Gasoline-range hydrocarbon concentrations were detected in each of the six sampled wells. TPHg concentrations ranged from 84 micrograms per liter (µg/L) in RW-5, located in the southern corner of the property, to 17,000 µg/L in MW-3, located along the southwestern property line. Benzene concentrations ranged from 21 µg/L in RW-5 to 5,600 µg/L in MW-3. TPHd was detected in four of the six sampled wells ranging from below detection limits in RW-5 and RW-9 to 2,400 µg/L in MW-3. MTBE concentrations ranged from below detection in RW-5 to 83 µg/L in well MW-3. TBA was detected in five of six sampled wells ranging from below detection in RW-5 to a high of 300 µg/L in MW-3. No TAME, EDB, 1,2-DCA, DIPE, nor ETBE concentrations were detected above laboratory detection limits in any of the six wells.

Detected concentrations were lower than those reported during the previous event, and mostly within the historical range of each well. Exceptions to this are wells RW-5 and RW-9, which both reported concentrations greater than an order of magnitude less than the September 2010 sample results, and MW-4 which reported increased concentrations of benzene, ethylbenzene and MTBE. Water levels in all wells increased an average of 8.3 feet, when compared to the September water table elevations. Appendix C contains

trend graphs illustrating concentrations vs. time. Analytical results are summarized in Tables 2 and 3 and are shown on Figure 2.

2.3 PROPOSED ACTIVITIES

2.3.1 MONITORING ACTIVITIES

During the Second Half of 2011, CRA will contract with MES to gauge all site wells, measure and remove SPH (if observed), 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. EPA Method SW8021B/8015Bm will be used to analyze groundwater samples for total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene and xylenes (BTEX). Samples will also be analyzed for total petroleum hydrocarbons as diesel (TPHd) with silica gel clean-up by modified EPA Method SW8015B. CRA will summarize groundwater monitoring activities and results in the *Second 2011 Semi-Annual Groundwater Monitoring & Sampling Report*.

2.3.2 RECOMMENDATION FOR ANALYTIC REDUCTION

Since September 2008 groundwater samples have been analyzed by EPA Method SW8260B for oxygenates methyl tertiary butyl ether (MTBE), tertiary butyl alcohol (TBA), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), and lead scavengers 1,2-dichloroethane (1,2-DCA) and 1,2-dibromomethane (EDB). Only MTBE and TBA have been reported above method reporting limits (MRLs) over all eight sampling events. The established MTBE and TBA groundwater environmental screening levels (ESLs) where groundwater is not a current or potential drinking water resource are 1,800 and 18,000 µg/L, respectively. Established MTBE and TBA Drinking Water Screening Levels (Table F-3, *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*, May 2008) are 13 and 12 µg/L, respectively. Current maximum concentrations reported are 83 µg/L MTBE and 300 µg/L TBA. While ACEH agrees with the SF Bay Groundwater Basin Plan's beneficial use designation of the East Bay Plain, there is no known plan to utilize the shallow groundwater resources in this highly urbanized residential and commercial area. A 2006 well survey located three irrigation wells within a 2,000-foot radius of the site. None of the wells were located downgradient of the site and the closest well is approximately 740 feet crossgradient, to the north. Considering recent budget constraints imposed by the California Underground Storage Tank Cleanup Fund (CA USTCF) and the lack of shallow groundwater usage in the area, CRA again recommends

the elimination of EPA Method SW8260B analysis of groundwater starting with the Second 2011 Semi-Annual Groundwater Monitoring and Sampling event proposed for September 2011. CRA will implement this change in the sampling scope during the September 2011 monitoring/sampling event, unless instructed otherwise, in writing, by ACEH.

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

Calvin Hee

Robert Foss, 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

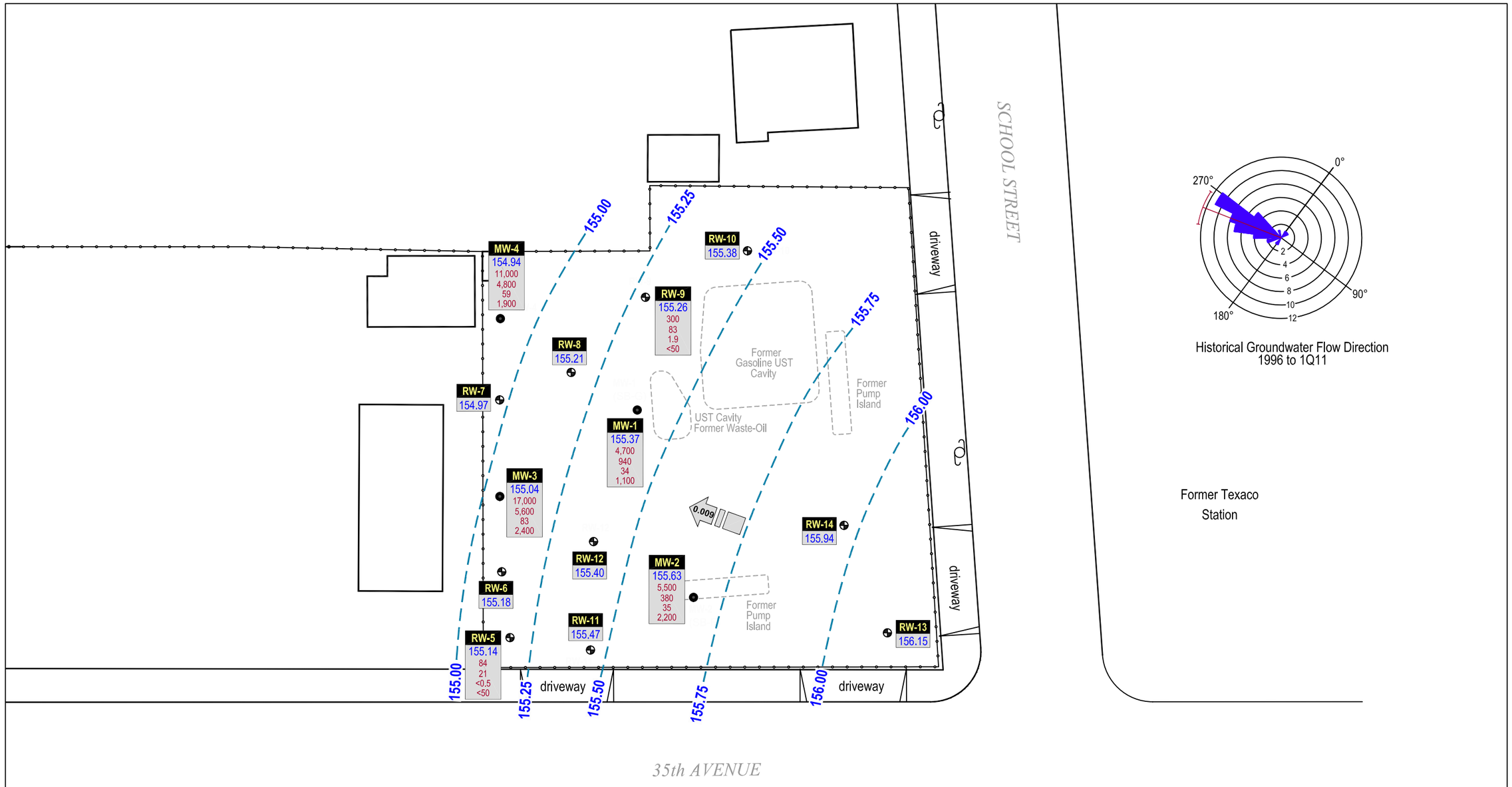


Figure 2

GROUNDWATER ELEVATION AND HYDROCARBON CONCENTRATION MAP
FORMER EXXON STATION
3055 35th AVENUE
Oakland, California
March 17, 2011

130105-2011(009)GN-EM002 APR 29/2011

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	*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***
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
MW-1	4/25/2003	20.90	---	79.95		320[e]	---	4,200[d]	580	81	59	470	<50	---	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*
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	1.20	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)	1.06	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)	1.19	Not operating
	6/7/2009	17.17	Sheen [Field]	149.85	(Z^{TPHd})	1,400 [e,f,m] (690) [e]	---	5,100 [d]	1,000	9.2	35	71	(42)	0.95	Not operating
	9/5/2009	19.78	--	147.24	(Z^{TPHd})	1500 [e,f,k] (1,200) [e,k]	--	5,800 [d]	1,400	21	60	150	(37)	1.22	Not operating
	3/14/2010	11.08	--	155.94	(Z^{TPHd})	2,100 [e,f] (2,000) [e,f]	--	7,700[d]	1,400	22	10	210	(42)	1.64	Not operating
	9/10/2010	19.99	--	147.03	(Z^{TPHd})	1,700 [e,f] (790) [e,f]	--	6,800 [d]	1,700	17	150	150	(28)	0.65	Not operating
	3/17/2011	**11.65**	**--**	**155.37**		**1,100 [e]**	**--**	**4,700 [d]**	**940**	**17**	**5.7**	**55**	**(34)**	**0.69**	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	---	---	
MW-2	5/23/1995	14.17	---	85.83		---	---	33,000	8,200	5,600	900	6,600	---	---	
Continued	8/22/1995	19.80	---	80.20		---	---	38,000	6,400	5,000	1,100	5,600	---	---	

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***
	11/29/95	21.05	---	78.95		---	---	46,000	7,100	5,300	1,300	6,000	---	---	
	2/21/1996	10.53	---	89.47		---	---	59,000	8,000	6,000	1,800	8,900	4,500	---	
	5/21/1996	13.47	---	86.53		3,400	---	51,000	8,200	5,200	1,300	6,600	2,400	---	
	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
MW-2	9/27/2004	27.55**	---	138.59		1,000[e,f,k]	---	770[d]	20	7.9	10	140	1,600	0.79	Operating
Continued	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*
	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
	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)	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)	0.67	Not operating
	6/7/2009	16.64	Sheen [Field & Lab]	149.50	(Z^{TPHd})	13,000 [m,f] (2,500) [e]	---	15,000 [d]	710	37	210	180	(88)	0.71	Not operating
	9/5/2009	19.41	Sheen [Lab]	146.73	(Z^{TPHd})	11,000 [e,f,k,g] (4,800) [e,f,k]	--	12,000 [d,g]	1,500	30	170	220	(77)	0.95	Not operating
	3/14/2010	9.82	Sheen [Lab]	156.32	(Z^{TPHd})	20,000 [e,f,k,g] (2,900) [e,f]	--	8,800 [d,g]	840	18	67	92	(65)	0.81	Not operating
	9/10/2010	18.84	--	147.30	(Z^{TPHd})	2,400 [e,f] (2,200) [e,f]	--	11,000 [d]	1,900	40	380	110	(81)	0.40	Not operating
	3/17/2011	**10.51**	**--**	**155.63**		**2,200 [e,f]**	**--**	**5,500 [d]**	**380**	**12**	**1.8**	**15**	**(35)**	**0.68**	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	---	
MW-3	8/22/1996	16.50	---	80.37		16,000	---	94,000	17,000	15,000	2,100	12,000	330	2.0	
Continued	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	

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
	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	
	9/30/1998	16.14	---	80.73		9,800	---	91,000	17,000	13,000	2,100	12,000	<1300	2.0	
	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
MW-3	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
Continued	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

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***
	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
	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
	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)	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)	1.14	Not operating
	6/7/2009	13.94	Sheen [Field & Lab]	149.00	(Z^{TPHd})	6,900 [e,f,m] (3,700) [e]	---	23,000 [d]	4,400	81	710	670	(97)	1.02	Not operating
	9/5/2009	16.67	Sheen [Lab]	146.27	(Z^{TPHd})	31000 [e,f,k,m,g] 11,000 [e,f,k]	--	32,000 [d,g]	6,200	120	590	1,000	(80)	0.98	Not operating
	3/14/2010	8.56	Sheen [Lab]	154.38	(Z^{TPHd})	19,000 [e,f,g,k] 4,300 [e]	--	21,000 [d,g]	4,300	76	530	710	(97)	1.07	Not operating
	9/10/2010	16.14	--	146.80	(Z^{TPHd})	2,500 [e,f] (2,200) [e,f]	--	21,000 [d]	8,100	59	800	300	(100)	0.91	Not operating
	3/17/2011	**7.90**	**--**	**155.04**		**2,400 [e]**	**--**	**17,000 [d]**	**5,600**	**43**	**660**	**210**	**(83)**	**0.83**	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
MW-4	3/20/2001	14.03	---	83.31		---	---	46,000	13,000	1,000	900	2,800	<350	0.39	Not operating
Continued	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

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***
	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
	12/2/2003	19.17	---	78.17		5,800[e,f]	---	13,000[d]	1,300	180	120	1,900	<250	---	Operating
	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)	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)	1.27	Not operating
	6/7/2009	14.83	Sheen [Field & Lab]	148.66	(Z^{TPHd})	4,200 [e,f,m] (2,000) [e]	---	6,900 [d]	1,200	23	41	190	(25)	1.05	Not operating
	9/5/2009	17.39	Sheen [Lab]	146.10	(Z^{TPHd})	1,200 [e,f,m] (1,600) [e,f]	--	3,600 [d]	830	17	13	53	(30)	1.01	Not operating
MW-4	3/14/2010	8.25	--	155.24	(Z^{TPHd})	2,400 [e,f] (1,800) [e]	--	6,800 [d]	1,500	21	53	120	(33)	1.13	Not operating
Continued	9/10/2010	16.89	--	146.60	(Z^{TPHd})	2,200 [e,f] (2,000) [e,f]	--	11,000 [d]	3,300	24	160	330	(46)	0.88	Not operating
	3/17/2011	**8.55**	**--**	**154.94**		**1,900 [e]**	**--**	**11,000 [d]**	**4,800**	**17**	**190**	**110**	**(59)**	**0.75**	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

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***
	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
	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
	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)	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)	1.15	Not operating
	6/7/2009	13.19	Sheen [Field]	149.15	(Z^{TPHd})	720 [m,f] (210) [e]	---	870 [d]	100	4.4	1.3	2.8	(110)	1.13	Not operating
	9/5/2009	16.00	--	146.34	(Z^{TPHd})	1,700 [f,k,m] (600) [f,m]	--	2,200 [n,p]	350	8.5	4.6	13.0	(50)	1.05	Not operating
	3/14/2010	4.40	--	157.94	(Z^{TPHd})	480 [e,f,k] (340) [e]	--	970 [d]	210	5.2	12.0	13.0	(41)	1.03	Not operating
	9/10/2010	15.40	--	146.94	(Z^{TPHd})	270 [e] (200) [e]	--	1,600 [d]	470	5.1	19	21	(3.6)	0.54	Not operating
	3/17/2011	**7.20**	**--**	**155.14**		**<50**	**--**	**84 [d]**	**21**	**<0.5**	**3.9**	**1.2**	**(<0.5)**	**0.79**	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
RW-6	9/27/2004	18.46	---	143.90		---	---	---	---	---	---	---	---	---	Not operating
Continued	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

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***
	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
	6/7/2009	13.21	---	149.15		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2009	16.04	--	146.32		--	--	--	--	--	--	--	--	--	Not operating
	3/14/2010	6.45	--	155.91		--	--	--	--	--	--	--	--	--	Not operating
	9/10/2010	15.47	--	146.89		--	--	--	--	--	--	--	--	--	Not operating
	3/17/2011	**7.18**	**--**	**155.18**		**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	Not operating
RW-7	3/11/2002	---	---	---		<50	---	<50	<0.5	<0.5	<0.5	<0.5	<5.0	---	
162.72	1/13/2003	10.95	---	---		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
RW-7	3/22/2006	5.75	---	156.97		---	---	---	---	---	---	---	---	---	Not operating
Continued	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

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*
	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
	6/7/2009	13.91	---	148.81		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2009	16.55	--	146.17		--	--	--	--	--	--	--	--	--	Not operating
	3/14/2010	8.70	--	154.02		--	--	--	--	--	--	--	--	--	Not operating
	9/10/2010	16.04	--	146.68		--	--	--	--	--	--	--	--	--	Not operating
	3/17/2011	**7.75**	**--**	**154.97**		**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	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
	6/30/2006	15.31	---	148.82		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2006	17.38	---	146.75		---	---	---	---	---	---	---	---	---	Not operating
	12/6/2006	16.37	---	147.76		---	---	---	---	---	---	---	---	---	Not operating
	3/16/2007	11.04	---	153.09		---	---	---	---	---	---	---	---	---	Not operating
	6/15/2007	15.81	---	148.32		---	---	---	---	---	---	---	---	---	Not operating
RW-8	9/6/2007	17.63	---	146.50		---	---	---	---	---	---	---	---	---	Not operating
Continued	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
	6/7/2009	15.20	---	148.93		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2009	17.80	--	146.33		--	--	--	--	--	--	--	--	--	Not operating
	3/14/2010	8.43	--	155.70		--	--	--	--	--	--	--	--	--	Not operating
	9/10/2010	17.25	--	146.88		--	--	--	--	--	--	--	--	--	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***
	3/17/2011	**8.92**	**--**	**155.21**		**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	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
	12/28/2008	13.41	Sheen [Field]	150.45	(Z^{TPHd})	(950 [e])	<250	7,300 [d]	3,500	24	150	200	(30)	1.28	Not operating
RW-9	3/14/2009	8.97	Sheen [Field]	154.89	(Z^{TPHd})	450 [e] (440 [e])	---	14,000 [d]	3,600	71	190	380	(31)	1.21	Not operating
Continued	6/7/2009	14.90	Sheen [Field & Lab]	148.96	(Z^{TPHd})	4,800 [m,f] (910) [e]	---	12,000 [d]	3,500	87	150	330	(30)	1.19	Not operating
	9/5/2009	17.40	--	146.46	(Z^{TPHd})	3,000 [f,m] (1,100) [e,f,m]	--	8,300 [d]	3,100	32	5.5	69	(25)	1.02	Not operating
	3/14/2010	8.15	--	155.71	(Z^{TPHd})	770 [e] (700) [e]	--	11,000 [d]	3,900	80	120.0	450	(31)	1.10	Not operating
	9/10/2010	16.91	--	146.95	(Z^{TPHd})	310 [e,f] (210) [e,f]	--	5,700 [d]	2,800	16	<2.5	37	(20)	0.70	Not operating
	3/17/2011	**8.60**	**--**	**155.26**		**<50**	**--**	**300 [d]**	**83**	**1.6**	**<0.5**	**<0.5**	**(1.9)**	**0.88**	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

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
	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
	6/7/2009	13.96	---	149.06		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2009	16.36	--	146.66		--	--	--	--	--	--	--	--	--	Not operating
	3/14/2010	6.32	--	156.70		--	--	--	--	--	--	--	--	--	Not operating
	9/10/2010	15.87	--	147.15		--	--	--	--	--	--	--	--	--	Not operating
	3/17/2011	**7.64**	**--**	**155.38**		**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	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
	9/21/2005	15.09	---	147.48		---	---	---	---	---	---	---	---	---	Not operating
	12/14/2005	12.96	---	149.61		---	---	---	---	---	---	---	---	---	Not operating
	3/22/2006	5.70	---	156.87		---	---	---	---	---	---	---	---	---	Not operating
	6/30/2006	13.36	---	149.21		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2006	15.56	---	147.01		---	---	---	---	---	---	---	---	---	Not operating

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***
	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
	6/7/2009	13.21	---	149.36		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2009	16.02	--	146.55		--	--	--	--	--	--	--	--	--	Not operating
	3/14/2010	6.50	--	156.07		--	--	--	--	--	--	--	--	--	Not operating
	9/10/2010	15.42	--	147.15		--	--	--	--	--	--	--	--	--	Not operating
	3/17/2011	**7.10**	**--**	**155.47**		**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	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
RW-12	12/27/2004	10.85	---	152.21		---	---	---	---	---	---	---	---	---	Not operating
Continued	3/7/2005	6.59	---	156.47		---	---	---	---	---	---	---	---	---	Not operating
	6/21/2005	10.58	---	152.48		---	---	---	---	---	---	---	---	---	Not operating
	9/21/2005	15.63	---	147.43		---	---	---	---	---	---	---	---	---	Not operating
	12/14/2005	13.43	---	149.63		---	---	---	---	---	---	---	---	---	Not operating
	3/22/2006	6.35	---	156.71		---	---	---	---	---	---	---	---	---	Not operating
	6/30/2006	13.95	---	149.11		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2006	16.11	---	146.95		---	---	---	---	---	---	---	---	---	Not operating
	12/6/2006	15.11	---	147.95		---	---	---	---	---	---	---	---	---	Not operating
	3/16/2007	9.52	---	153.54		---	---	---	---	---	---	---	---	---	Not operating
	6/15/2007	14.44	---	148.62		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2007	16.42	---	146.64		---	---	---	---	---	---	---	---	---	Not operating
	12/8/2007	14.87	---	148.19		---	---	---	---	---	---	---	---	---	Not operating
	3/9/2008	9.43	---	153.63		---	---	---	---	---	---	---	---	---	Not operating
	6/14/2008	15.74	---	147.32		---	---	---	---	---	---	---	---	---	Not operating

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
	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
	6/7/2009	13.70	---	149.36		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2009	16.59	--	146.47		--	--	--	--	--	--	--	--	--	Not operating
	3/14/2010	6.29	--	156.77		--	--	--	--	--	--	--	--	--	Not operating
	9/10/2010	15.93	--	147.13		--	--	--	--	--	--	--	--	--	Not operating
	3/17/2011	**7.68**	**--**	**155.38**		**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	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
RW-13	6/30/2006	14.44	---	149.90		---	---	---	---	---	---	---	---	---	Not operating
Continued	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
	6/7/2009	14.31	---	150.03		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2009	17.10	--	147.24		--	--	--	--	--	--	--	--	--	Not operating
	3/14/2010	7.49	--	156.85		--	--	--	--	--	--	--	--	--	Not operating
	9/10/2010	16.45	--	147.89		--	--	--	--	--	--	--	--	--	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
	3/17/2011	**8.19**	**--**	**156.15**		**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	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
	3/7/2005	6.61	---	157.15		---	---	---	---	---	---	---	---	---	Not operating
	6/21/2005	10.80	---	152.96		---	---	---	---	---	---	---	---	---	Not operating
	9/21/2005	15.82	---	147.94		---	---	---	---	---	---	---	---	---	Not operating
	12/14/2005	13.73	---	150.03		---	---	---	---	---	---	---	---	---	Not operating
	3/22/2006	6.43	---	157.33		---	---	---	---	---	---	---	---	---	Not operating
	6/30/2006	14.10	---	149.66		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2006	16.21	---	147.55		---	---	---	---	---	---	---	---	---	Not operating
	12/6/2006	15.31	---	148.45		---	---	---	---	---	---	---	---	---	Not operating
	3/16/2007	9.66	---	154.10		---	---	---	---	---	---	---	---	---	Not operating
	6/15/2007	14.61	---	149.15		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2007	16.54	---	147.22		---	---	---	---	---	---	---	---	---	Not operating
RW-14	12/8/2007	14.57	---	149.19		---	---	---	---	---	---	---	---	---	Not operating
Continued	3/9/2008	9.60	---	154.16		---	---	---	---	---	---	---	---	---	Not operating
	6/14/08	15.90	---	147.86		---	---	---	---	---	---	---	---	---	Not operating
	9/6/08	16.68	---	147.08		---	---	---	---	---	---	---	---	---	Not operating
	12/28/08	12.82	---	150.94		---	---	---	---	---	---	---	---	---	Not operating
	3/14/09	7.88	---	155.88		---	---	---	---	---	---	---	---	---	Not operating
	6/7/09	13.97	---	149.79		---	---	---	---	---	---	---	---	---	Not operating
	9/5/09	16.71	--	147.05		--	--	--	--	--	--	--	--	--	Not operating
	3/14/10	7.10	--	156.66		--	--	--	--	--	--	--	--	--	Not operating
	9/10/10	16.10	--	147.66		**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	Not operating
	3/17/2011	**7.82**	**--**	**155.94**		**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	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)

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

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***

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, or by SW8260B (designated by parentheses)
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

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
p = No recognizable pattern

* = Well inaccessible during site visit
** = No water in well due to system operating in well, value reflects total well depth.
# = abnormally high reading due to added hydrogen peroxide
--- = Not sampled; not analyzed ; not applicable; or no SPH measured or observed

APPENDIX A

FIELD DATA SHEETS

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL GAUGING SHEET

Client: Conestoga-Rovers and Associates

p1 of 2

Site Address: 3055 35th Avenue, Oakland, CA

Date: 3/17/2011 **Signature:**

Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-1	5:35		11.65		27.35	
MW-2	6:40		10.51		27.60	
MW-3	6:05		7.90		25.08	
MW-4	6:15		8.55		30.29	
RW-5	6:25		7.20		25.61 ~~25.59~~	
RW-6	6:20		7.18		25.35	
RW-7	6:10		7.75		29.20	
RW-8	6:00		8.92		29.00	
RW-9	5:55		8.60		25.19	
RW-10	5:50		7.64		24.94	
RW-11	6:30		7.10		24.95	

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL GAUGING SHEET

Client: Conestoga-Rovers and Associates

RS 2of2

Site Address: 3055 35th Avenue, Oakland, CA

Date: 3/17/2011 **Signature:**

Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
RW-12	6:35		7.68		25.85	
RW-13	5:40		8.19		24.85	
RW-14	5:45		7.82		24.85	

MUSKAN
ENVIRONMENTAL
SAMPLING

MICRO PURGE WELL SAMPLING FORM

Date:	3/17/2011
Client:	Conestoga-Rovers and Associates
Site Address:	3055 35th Avenue, Oakland, CA

Well ID:	MW-1
Well Diameter:	4"
Purging Device:	Peristaltic Pump
Sampling Method:	Peristaltic Pump
Total Well Depth from top of casing:	27.35
Water level at the start of purge from top of casing:	11.65
Approximate depth of water intake on pump from top of casing:	22.0

TIME:	Purged Rate (ml/min)	TEMP (Celsius)	pH	COND. (µS/cm)	ORP (mV)	DO (mg/L)	Drawdown Water Level (ft)	Turbidity (NTU)	Comments
8:02	100	--	--	--	--	--	11.65	—	
8:05	100	17.2	7.38	1469	-45	2.71	11.68	64	fine black flakes
8:08	100	17.4	7.22	1310	-32	1.40	11.68	47	
8:11	100	17.4	7.20	1294	-30	0.73	11.70	52	
8:14	100	17.4	7.20	1291	-29	0.70	11.70	51	
8:17	100	17.4	7.20	1291	-29	0.69	11.70	51	
									total purge volume = 1500 ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-1	3/17/11	8:18	40 ml VOA, 1L Amber Glass	HCl	see COC	8015, 8021, 8260

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

MICRO PURGE WELL SAMPLING FORM

Date:	3/17/2011
Client:	Conestoga-Rovers and Associates
Site Address:	3055 35th Avenue, Oakland, CA

Well ID:	MW-2
Well Diameter:	4"
Purging Device:	Peristaltic Pump
Sampling Method:	Peristaltic Pump
Total Well Depth from top of casing:	27.60
Water level at the start of purge from top of casing:	10.50
Approximate depth of water intake on pump from top of casing:	22.0

TIME:	Purged Rate (ml/min)	TEMP (Celsius)	pH	COND. (µS/cm)	ORP (mV)	DO (mg/L)	Drawdown Water Level (ft)	Turbidity (NTU)	Comments
11:35	100	--	--	--	--	--	10.50	—	
11:38	100	17.9	7.38	1260	-65	1.79	10.53	40	orange flakes
11:41	100	17.3	7.35	1192	-51	0.92	10.53	36	
11:44	100	17.3	7.33	1189	-49	0.71	10.53	39	
11:47	100	17.3	7.30	1188	-49	0.68	10.53	34	
11:50	100	17.3	7.30	1187	-48	0.68	10.54	35	
									total purge volume = 1500 ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-2	3/17/11	11:51	40 ml VOA, 1L Amber Glass	HCl	see COC	8015, 8021, 8260

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

MICRO PURGE WELL SAMPLING FORM

Date:	3/17/2011
Client:	Conestoga-Rovers and Associates
Site Address:	3055 35th Avenue, Oakland, CA

Well ID:	MW-3
Well Diameter:	2"
Purging Device:	Peristaltic Pump
Sampling Method:	Peristaltic Pump
Total Well Depth from top of casing:	25.08
Water level at the start of purge from top of casing:	7.92
Approximate depth of water intake on pump from top of casing:	20.0

TIME:	Purged Rate (ml/min)	TEMP (Celsius)	pH	COND. (µS/cm)	ORP (mV)	DO (mg/L)	Drawdown Water Level (ft)	Turbidity (NTU)	Comments
9:50	100	--	--	--	--	--	7.92	—	
9:53	100	16.7	7.38	1297	-49	1.21	7.94	24	
9:56	100	17.1	7.38	1302	-82	0.90	7.98	29	
9:59	100	17.3	7.40	1306	-106	0.86	7.99	31	
10:02	100	17.4	7.41	1306	-109	0.84	8.01	31	
10:05	100	17.4	7.41	1306	-109	0.83	8.02	36	
									total purge volume = 1500 ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-3	3/17/11	10:06	40 ml VOA, 1L Amber Glass	HCl	see COC	8015, 8021, 8260

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

MICRO PURGE WELL SAMPLING FORM

Date:	3/17/2011
Client:	Conestoga-Rovers and Associates
Site Address:	3055 35th Avenue, Oakland, CA

Well ID:	MW-4
Well Diameter:	2"
Purging Device:	Peristaltic Pump
Sampling Method:	Peristaltic Pump
Total Well Depth from top of casing:	30.29
Water level at the start of purge from top of casing:	8.53
Approximate depth of water intake on pump from top of casing:	20.0

TIME:	Purged Rate (ml/min)	TEMP (Celsius)	pH	COND. (µS/cm)	ORP (mV)	DO (mg/L)	Drawdown Water Level (ft)	Turbidity (NTU)	Comments
8:56	100	--	--	--	--	--	8.53	—	
8:59	100	17.7	7.25	1150	-97	1.24	8.57	27	
9:02	100	17.4	7.28	1110	-140	0.81	8.58	25	
9:05	100	17.4	7.29	1097	-141	0.76	8.58	25	
9:08	100	17.4	7.29	1091	-141	0.75	8.59	22	
9:11	100	17.4	7.31	1090	-141	0.75	8.59	22	
9:14	100	17.3	7.31	1089	-141	0.75	8.60	21	
									total purge volume = 1800 ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-4	3/17/11	9:15	40 ml VOA, 1L Amber Glass	HCl	see COC	8015, 8021, 8260

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

MICRO PURGE WELL SAMPLING FORM

Date:	3/17/2011
Client:	Conestoga-Rovers and Associates
Site Address:	3055 35th Avenue, Oakland, CA

Well ID:	RW-5
Well Diameter:	4"
Purging Device:	Peristaltic Pump
Sampling Method:	Peristaltic Pump
Total Well Depth from top of casing:	[redacted] 25.61
Water level at the start of purge from top of casing:	7.24
Approximate depth of water intake on pump from top of casing:	22.0

TIME:	Purged Rate (ml/min)	TEMP (Celsius)	pH	COND. (µS/cm)	ORP (mV)	DO (mg/L)	Drawdown Water Level (ft)	Turbidity (NTU)	Comments
10:41	100	--	--	--	--	--	7.24	—	
10:44	100	17.2	7.14	1156	-89	1.26	7.27	21	
10:47	100	17.7	7.11	1190	-94	0.88	7.29	39	
10:50	100	17.7	7.11	1192	-95	0.81	7.31	28	
10:53	100	17.8	7.11	1194	-95	0.79	7.31	26	
10:56	100	17.8	7.09	1194	-95	0.79	7.31	27	
10:59	100	17.8	7.09	1196	-95	0.79	7.31	26	
									total purge volume = 1800 ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
RW-5	3/17/11	11:00	40 ml VOA, 1L Amber Glass	HCl	see COC	8015, 8021, 8260

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

MICRO PURGE WELL SAMPLING FORM

Date:	3/17/2011
Client:	Conestoga-Rovers and Associates
Site Address:	3055 35th Avenue, Oakland, CA

Well ID:	RW-9
Well Diameter:	4"
Purging Device:	Peristaltic Pump
Sampling Method:	Peristaltic Pump
Total Well Depth from top of casing:	25.19
Water level at the start of purge from top of casing:	8.61
Approximate depth of water intake on pump from top of casing:	20.0

TIME:	Purged Rate (ml/min)	TEMP (Celsius)	pH	COND. (µS/cm)	ORP (mV)	DO (mg/L)	Drawdown Water Level (ft)	Turbidity (NTU)	Comments
6:55	100	--	--	--	--	--	8.61	—	
6:58	100	14.8	7.61	1310	-52	1.26	8.64	18	fine white flakes
7:01	100	15.3	7.67	1307	-60	0.91	8.64	26	
7:04	100	15.4	7.68	1305	-63	0.89	8.64	29	
7:07	100	15.4	7.68	1304	-63	0.88	8.64	31	
7:10	100	15.4	7.69	1304	-65	0.88	8.64	33	
									total purge volume = 1500 ml

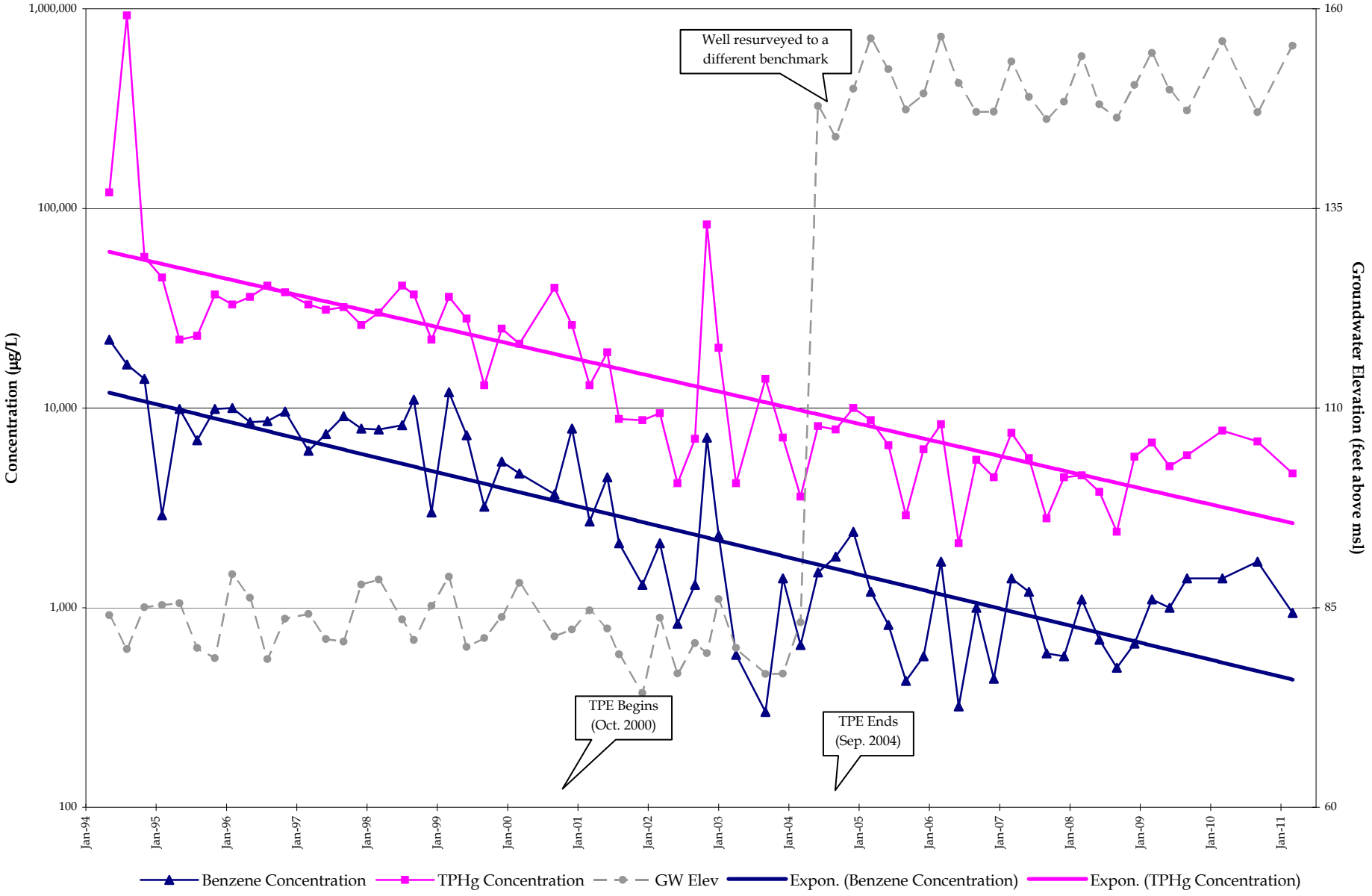
Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
RW-9	3/17/11	7:11	40 ml VOA, 1L Amber Glass	HCl	see COC	8015, 8021, 8260

Signature:

APPENDIX B

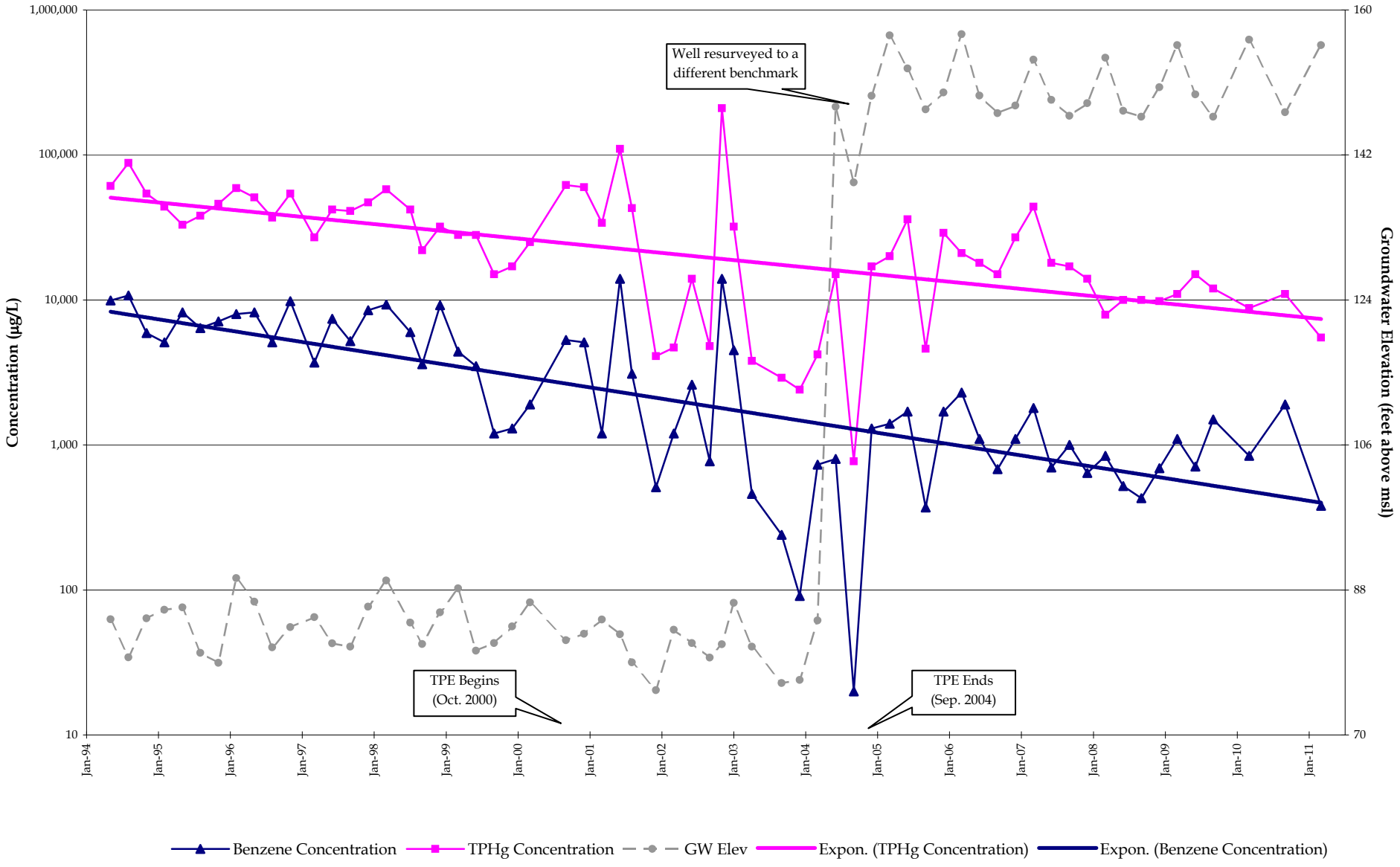
CERTIFIED ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

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

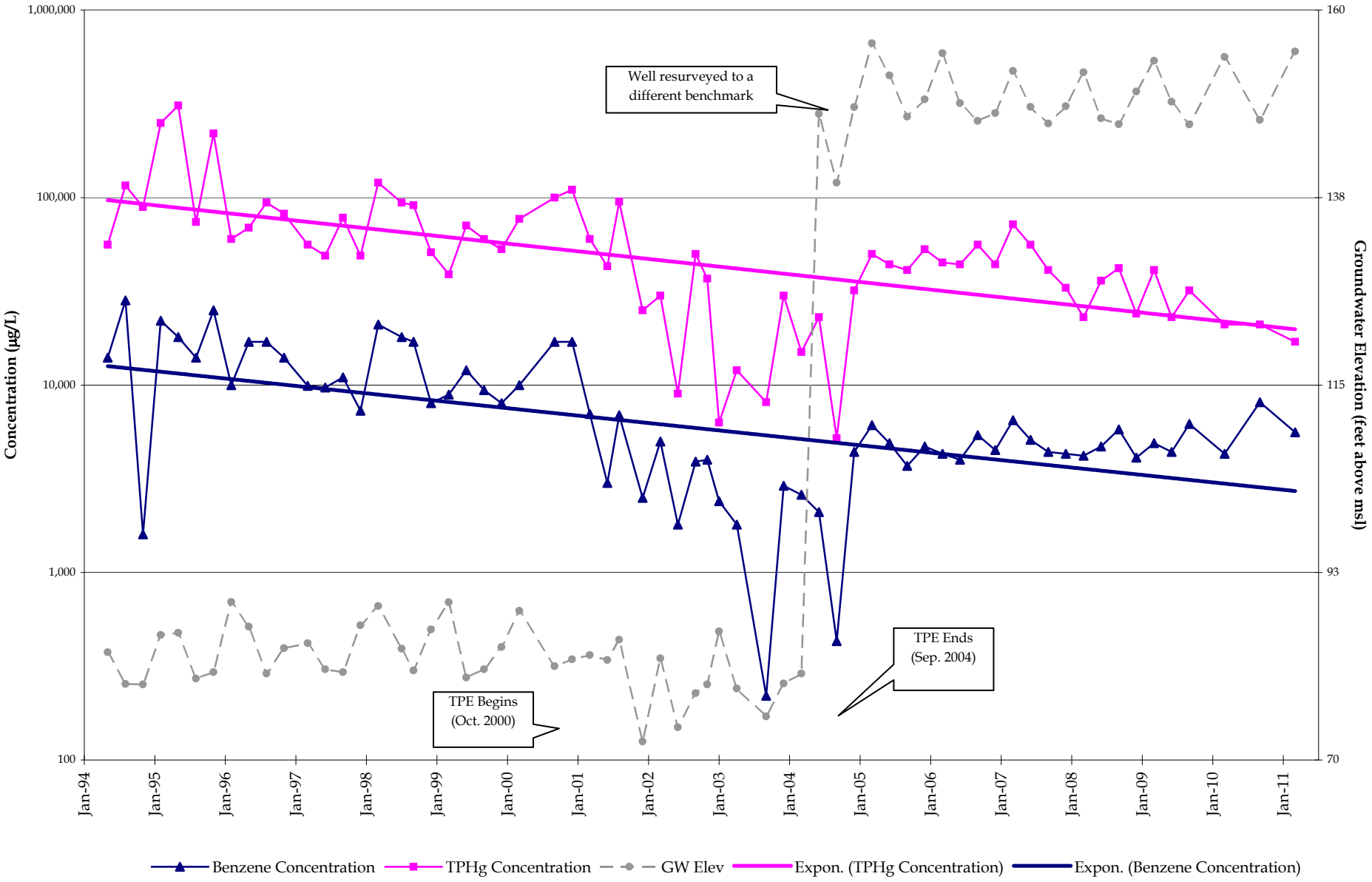


CRA 130105 (9)

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

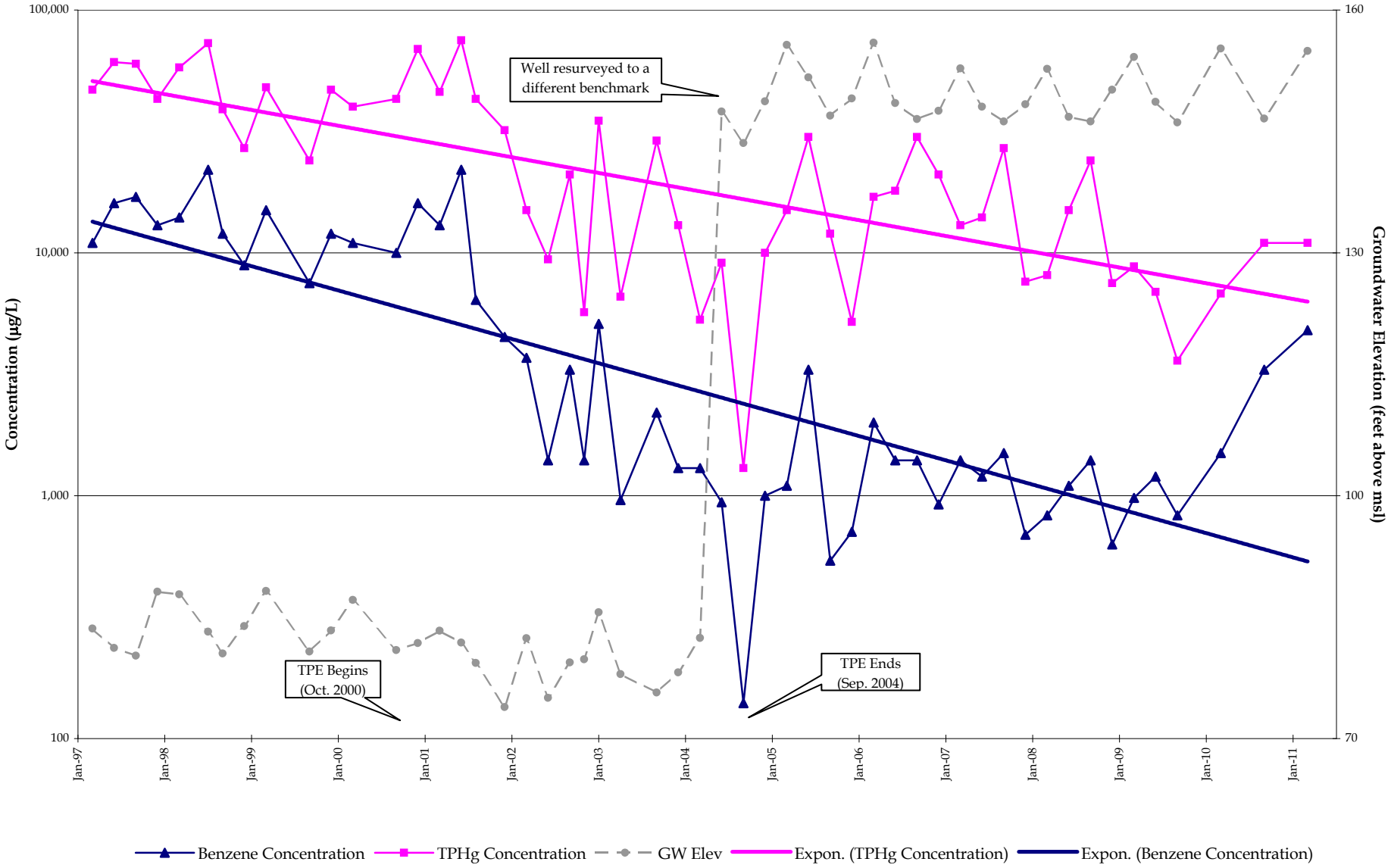


TPHg and Benzene Concentration Trends
Well MW-3 (March 1997 to Present)

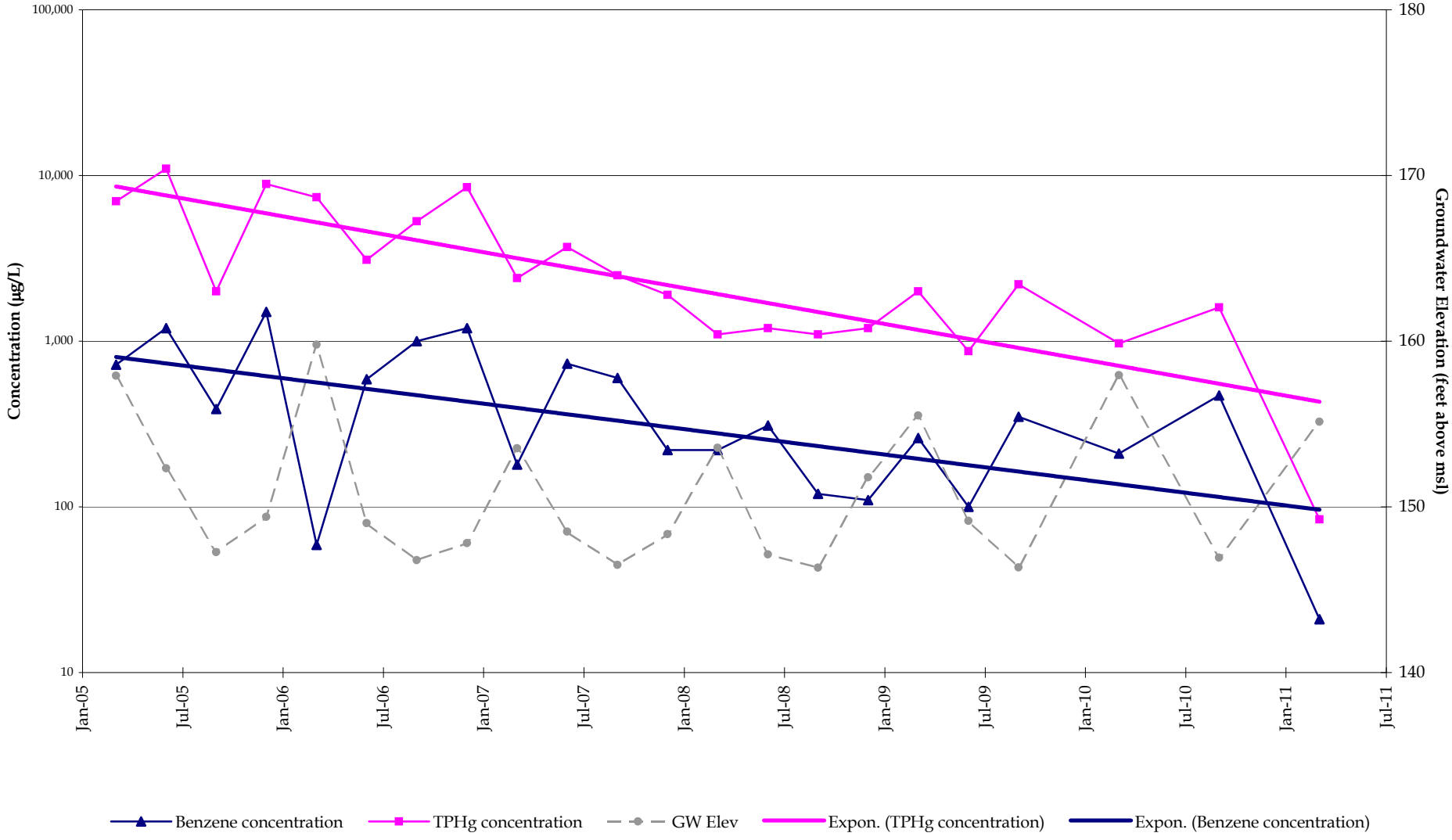


CRA 130105 (9)

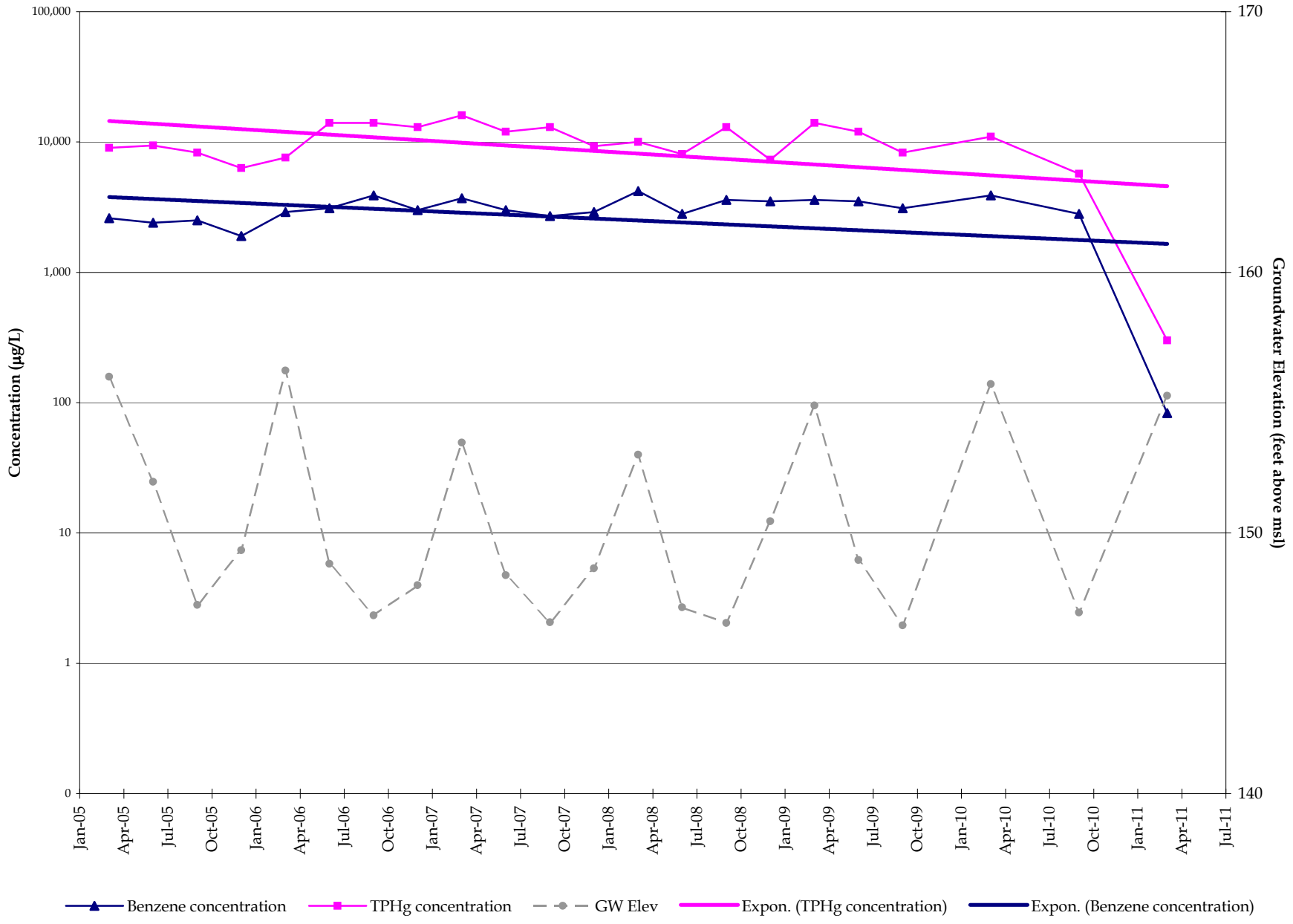
TPHg and Benzene Concentration Trends
Well MW-4 (March 1997 to Present)



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



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



APPENDIX C

TPHg AND BENZENE CONCENTRATION TREND GRAPHS

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	Client Project ID: #130105; Golden Empire Properties	Date Sampled: 03/17/11
		Date Received: 03/18/11
5900 Hollis St, Suite A	Client Contact: Bob Foss	Date Reported: 03/25/11
Emeryville, CA 94608	Client P.O.:	Date Completed: 03/25/11

WorkOrder: 1103611

March 25, 2011

Dear Bob:

Enclosed within are:

1) The results of the **6** analyzed samples from your project: **#130105; Golden Empire Properties,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

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

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

110361

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: Bob Foss
Company: Conestoga-Rovers & Associates
5900 Hollis St., Ste A
Emeryville, CA
Tele: (510) 420-3348
Project #: 130105
Project Location: 3055 35th Avenue, Oakland, CA
Sampler Signature: Muskan Environmental Sampling

Bill To: Conestoga-Rovers & Associates
E-Mail: bfoss@craworld.com cheek@craworld.com
Fax: (510) 420-9170
Project Name: Golden Empire Properties

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other
MW-1		3/7/11	08:18	5	VOA Amb	X					X	X		
MW-2			11:51											
MW-3			10:06											
MW-4			09:15											
RW-5			11:00											
RW-9			07:11											

Analysis Request

BTEX & TPH as Gas (602 / 8021 + 8015)	TPH as Diesel (8015) with silica gel clean up without Zemo	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)
X	X														

Other: Filter sample for DISSOLVED metals analysis

Comments: **Indicate here if these samples are potentially dangerous to handle:

MTBE, TAME, DIPE, ETBE, TBA, EDB, EDC by 8260

**MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

Relinquished By:	Date:	Time:	Received By:
	3/18/11	1227	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° 0.2
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS
PRESERVED IN LAB

VOAS O&G METALS OTHER
PRESERVATION pH<2

COMMENTS:
TPHd ~~with~~ without Zemo Protocol
DZ cancelled per email 3/18/11

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1103611 **ClientCode: CETE**

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

Report to:
Bob Foss
Conestoga-Rovers & Associates
5900 Hollis St, Suite A
Emeryville, CA 94608
(510) 420-3327 FAX (510) 420-9170

Email: bfoss@craworld.com, chee@craworld.co
cc:
PO:
ProjectNo: #130105; Golden Empire Properties

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

Requested TAT: 5 days

Date Received: **03/18/2011**
Date Printed: **03/21/2011**

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
1103611-001	MW-1	Water	3/17/2011 8:18	☐	B	A	A	C								
1103611-002	MW-2	Water	3/17/2011 11:51	☐	B	A		C								
1103611-003	MW-3	Water	3/17/2011 10:06	☐	B	A		C								
1103611-004	MW-4	Water	3/17/2011 9:15	☐	B	A		C								
1103611-005	RW-5	Water	3/17/2011 11:00	☐	B	A		C								
1103611-006	RW-9	Water	3/17/2011 7:11	☐	B	A		C								

Test Legend:

1	5-OXYS+PBSCV_W	2	G-MBTEX_W	3	PREDF REPORT	4	TPH(D)WSG_W	5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments:

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

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Sample Receipt Checklist

Client Name: **Conestoga-Rovers & Associates**
Date and Time Received: **3/18/2011 3:06:05 PM**

Project Name: **#130105; Golden Empire Properties**
Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **1103611** Matrix Water
Carrier: Client Drop-In

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 0.2°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

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

Client contacted: Date contacted: Contacted by:

Comments:

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Conestoga-Rovers & Associates	Client Project ID: #130105; Golden Empire Properties	Date Sampled: 03/17/11
		Date Received: 03/18/11
5900 Hollis St, Suite A	Client Contact: Bob Foss	Date Extracted: 03/18/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 03/21/11-03/22/11

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1103611

Lab ID	1103611-001B	1103611-002B	1103611-003B	1103611-004B	Reporting Limit for DF =1	
Client ID	MW-1	MW-2	MW-3	MW-4		
Matrix	W	W	W	W		
DF	1	10	10	10	S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND	ND<5.0	ND<5.0	ND<5.0	NA	0.5
t-Butyl alcohol (TBA)	120	94	300	250	NA	2.0
1,2-Dibromoethane (EDB)	ND	ND<5.0	ND<5.0	ND<5.0	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND<5.0	ND<5.0	ND<5.0	NA	0.5
Diisopropyl ether (DIPE)	ND	ND<5.0	ND<5.0	ND<5.0	NA	0.5
Ethyl tert-butyl ether (ETBE)	ND	ND<5.0	ND<5.0	ND<5.0	NA	0.5
Methyl-t-butyl ether (MTBE)	34	35	83	59	NA	0.5
Surrogate Recoveries (%)						
%SS1:	84	98	96	94		
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/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

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Angela Rydelius, Lab Manager

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Conestoga-Rovers & Associates	Client Project ID: #130105; Golden Empire Properties	Date Sampled: 03/17/11
		Date Received: 03/18/11
5900 Hollis St, Suite A	Client Contact: Bob Foss	Date Extracted: 03/18/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 03/21/11-03/22/11

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1103611

Lab ID	1103611-005B	1103611-006B			Reporting Limit for DF =1	
Client ID	RW-5	RW-9				
Matrix	W	W				
DF	1	1			S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND	ND			NA	0.5
t-Butyl alcohol (TBA)	ND	18			NA	2.0
1,2-Dibromoethane (EDB)	ND	ND			NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND			NA	0.5
Diisopropyl ether (DIPE)	ND	ND			NA	0.5
Ethyl tert-butyl ether (ETBE)	ND	ND			NA	0.5
Methyl-t-butyl ether (MTBE)	ND	1.9			NA	0.5
Surrogate Recoveries (%)						
%SS1:	93	94				
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/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

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Angela Rydelius, Lab Manager

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Conestoga-Rovers & Associates	Client Project ID: #130105; Golden Empire Properties	Date Sampled: 03/17/11
		Date Received: 03/18/11
5900 Hollis St, Suite A	Client Contact: Bob Foss	Date Extracted: 03/22/11-03/25/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 03/22/11-03/25/11

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Bm Work Order: 1103611

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	Comments
001A	MW-1	W	4700	---	940	17	5.7	55	10	122	d1
002A	MW-2	W	5500	---	380	12	1.8	15	3.3	110	d1
003A	MW-3	W	17,000	---	5600	43	660	210	50	101	d1
004A	MW-4	W	11,000	---	4800	17	190	110	10	120	d1
005A	RW-5	W	84	---	21	ND	3.9	1.2	1	108	d1
006A	RW-9	W	300	---	83	1.6	ND	ND	1	119	d1

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	µg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

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

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference. %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

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

d1) weakly modified or unmodified gasoline is significant

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Angela Rydelius, Lab Manager

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

Conestoga-Rovers & Associates	Client Project ID: #130105; Golden Empire Properties	Date Sampled: 03/17/11
		Date Received: 03/18/11
5900 Hollis St, Suite A	Client Contact: Bob Foss	Date Extracted: 03/18/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed 03/19/11-03/20/11

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method SW3510C/3630C Analytical methods: SW8015B Work Order: 1103611

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	DF	% SS	Comments
1103611-001C	MW-1	W	1100	1	102	e4
1103611-002C	MW-2	W	2200	1	101	e4,e2
1103611-003C	MW-3	W	2400	1	102	e4
1103611-004C	MW-4	W	1900	1	104	e4
1103611-005C	RW-5	W	ND	1	106	
1103611-006C	RW-9	W	ND	1	102	

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.

%SS = Percent Recovery of Surrogate Standard. DF = Dilution Factor

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

e2) diesel range compounds are significant; no recognizable pattern
e4) gasoline range compounds are significant.

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Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 57007 WorkOrder 1103611

EPA Method SW8021B/8015Bm **Extraction SW5030B** **Spiked Sample ID: 1103606-007A**

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	97.2	93.1	4.35	97.9	95.5	2.45	70 - 130	20	70 - 130	20
MTBE	ND	10	106	106	0	103	101	1.65	70 - 130	20	70 - 130	20
Benzene	ND	10	105	105	0	95.8	96	0.217	70 - 130	20	70 - 130	20
Toluene	ND	10	103	103	0	99.5	100	0.946	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	103	103	0	98.5	98.4	0.0633	70 - 130	20	70 - 130	20
Xylenes	ND	30	105	105	0	101	101	0	70 - 130	20	70 - 130	20
%SS:	103	10	100	103	2.66	98	98	0	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 57007 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1103611-001A	03/17/11 8:18 AM	03/22/11	03/22/11 5:24 AM	1103611-002A	03/17/11 11:51 AM	03/25/11	03/25/11 4:33 AM
1103611-003A	03/17/11 10:06 AM	03/22/11	03/22/11 4:37 AM	1103611-004A	03/17/11 9:15 AM	03/22/11	03/22/11 5:06 AM
1103611-004A	03/17/11 9:15 AM	03/24/11	03/24/11 9:49 AM	1103611-005A	03/17/11 11:00 AM	03/22/11	03/22/11 7:28 AM
1103611-006A	03/17/11 7:11 AM	03/22/11	03/22/11 7:59 AM				

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

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

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

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

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

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

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 57013 WorkOrder 1103611

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 1103606-009b**

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	82.5	81.8	0.860	76.5	74.6	2.51	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	92.9	87.8	5.56	80	79.3	0.816	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	98.2	97.5	0.661	88.2	87.1	1.17	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	92.2	91.3	1.08	85.4	83.4	2.31	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	89.5	89.3	0.173	84.1	80.2	4.69	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	92.9	92	0.963	87.6	84.4	3.75	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	104	103	0.798	96.4	94.4	2.03	70 - 130	30	70 - 130	30
%SS1:	83	25	79	79	0	80	79	0.759	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 57013 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1103611-001B	03/17/11 8:18 AM	03/21/11	03/21/11 1:24 PM	1103611-002B	03/17/11 11:51 AM	03/22/11	03/22/11 12:01 AM
1103611-003B	03/17/11 10:06 AM	03/22/11	03/22/11 12:43 AM	1103611-004B	03/17/11 9:15 AM	03/22/11	03/22/11 1:25 AM
1103611-005B	03/17/11 11:00 AM	03/22/11	03/22/11 2:07 AM	1103611-006B	03/17/11 7:11 AM	03/22/11	03/22/11 2:48 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.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 57020 WorkOrder 1103611

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	89.2	88.3	1.04	N/A	N/A	70 - 130	30
%SS:	N/A	625	N/A	N/A	N/A	100	99	1.18	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 57020 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1103611-001C	03/17/11 8:18 AM	03/18/11	03/20/11 9:27 AM	1103611-002C	03/17/11 11:51 AM	03/18/11	03/19/11 5:49 PM
1103611-003C	03/17/11 10:06 AM	03/18/11	03/20/11 6:04 AM	1103611-004C	03/17/11 9:15 AM	03/18/11	03/20/11 4:56 AM
1103611-005C	03/17/11 11:00 AM	03/18/11	03/20/11 2:40 AM	1103611-006C	03/17/11 7:11 AM	03/18/11	03/20/11 1:32 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