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Telephone: 510-420-0700 Facsimile: 510-420-9170  
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October 29, 2009

Reference No. 130105

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

Dear Ms. Jakub:

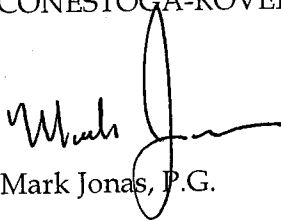
Re: Groundwater Monitoring Report - Second Half 2009  
Former Exxon Service Station  
3055 35th Avenue  
Oakland, California  
Agency Case No. RO0000271

On behalf of Golden Empire Properties, Inc., Conestoga-Rovers & Associates (CRA) has prepared this *Groundwater Monitoring Report - Second Half 2009*. Presented in the report are the second half 2009 activities and the anticipated first half 2010 activities.

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

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES



Mark Jonas, P.G.

MW/aa/9  
Encl.

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

Equal  
Employment  
Opportunity Employer



# **GROUNDWATER MONITORING REPORT- SECOND HALF 2009**

**FORMER EXXON SERVICE STATION  
3055 35<sup>th</sup> AVENUE  
OAKLAND, CALIFORNIA**

**AGENCY CASE NO.      RO0000271**

**OCTOBER 29, 2009  
REF. NO. 130105 (6)**

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**Prepared by:  
Conestoga-Rovers  
& Associates**

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## 1.0 INTRODUCTION

On behalf of Golden Empire Properties, Inc., Conestoga-Rovers & Associates (CRA) has prepared this *Groundwater Monitoring Report – Second Half 2009* for the referenced site (see Figure 1). Presented in the report are the second half 2009 activities and anticipated first half 2010 activities.

Figure 1 is a vicinity map. Figure 2 presents recent monitoring groundwater elevations and selected hydrocarbon data. Table 1 presents well construction details. Table 2 provides recent and historical groundwater level measurements and elevations, and hydrocarbon data. Table 3 provides third quarter 2008 through third quarter 2009 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. Appendix C provides time-series plots with benzene and total petroleum hydrocarbons as gasoline (TPHg) concentrations, along with groundwater elevations.

### 1.1 SITE INFORMATION

<b>Site Address</b>	3055 35 <sup>th</sup> Avenue, Oakland, CA
<b>Site Use</b>	Vacant Lot
<b>Client and Contact</b>	Golden Empire Properties, Inc. Mr. Lynn Worthington
<b>Consultant and Contact Person</b>	CRA, Mark Jonas, P.G.
<b>Lead Agency and Contact Person</b>	Alameda County Environmental Health (ACEH), Ms. Barbara Jakub
<b>Agency Case Number</b>	RO0000271

## 2.0 SITE ACTIVITIES AND RESULTS

### 2.1 CURRENT ACTIVITIES

#### 2.1.1 MONITORING ACTIVITIES

On September 5, 2009, CRA contracted Muskan Environmental Sampling (MES) to perform semi-annual monitoring activities. MES gauged and inspected for separate-phase hydrocarbons (SPH) in all monitoring wells (Figure 2). Groundwater

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

Prior to groundwater sampling, groundwater levels were measured in all monitoring wells. Each monitoring well was then purged before sampling. MES purged at least three well-casing volumes of groundwater from each monitoring well except for MW-1, MW-2, MW-3, RW-4, and RW-5 which dewatered during purging. Field measurements of pH, conductivity, and temperature of purged groundwater were measured after the extraction of each successive casing volume. Well purging continued until consecutive pH, specific conductance, and temperature measurements appeared to stabilize. Field measurements, purge volumes, and sample collection data were recorded on field sampling data forms, presented in Appendix A.

Groundwater samples were collected using new disposable bailers, decanted into appropriate sampling containers supplied by the analytical laboratory. Samples were labeled, placed in protective foam sleeves, stored on crushed, water-based ice at or below 4 degrees Celsius and transported under a chain-of-custody (COC) to the laboratory. The COC used for this monitoring event is provided in Appendix B.

### **2.1.2 SAMPLE ANALYSES**

Groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) and total petroleum hydrocarbons as diesel (TPHd) with silica gel clean-up by modified EPA Method SW8015C; for benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method SW8021B; and for methyl tertiary butyl ether (MTBE), tertiary butyl alcohol (TBA), isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), 1,2-dichloroethane (1,2-DCA), 1,2 dibromomethane (EDB) and tertiary amyl methyl ether (TAME) by EPA Method SW8260B. Prior to TPHd analysis of selected samples, the laboratory used a modified Zemo & Associates' *Protocol for Gravity Separation of Groundwater Samples to Isolate the Water Phase* (Zemo Protocol). TPHd results with and without the Zemo Protocol were reported. Groundwater samples were also collected for field measurement of dissolved oxygen (DO) from each of the sampled wells. DO was recorded on field data sheets provided in Appendix C. The laboratory analytical report is presented as Appendix B. The analytical data has been submitted to the GeoTracker database.

### **2.1.3 CORRECTIVE ACTION ACTIVITIES**

No corrective action activities took place during the third quarter 2009.

## **2.2 CURRENT RESULTS**

<b>Groundwater Flow Direction</b>	West
<b>Hydraulic Gradient</b>	0.007
<b>Range of Measured Water Depth from Top of Casing in Monitoring Wells</b>	16.00 to 19.78 feet
<b>Were Measureable Separate Phase Hydrocarbons Observed</b>	No

### **2.2.1 GROUNDWATER FLOW DIRECTION**

Based on depth to water measurements collected during MES's September 5, 2009, site visit, groundwater beneath the site flows towards the west with a gradient of 0.007 feet/foot (Figure 2). The groundwater gradient is generally consistent with historical static groundwater conditions. Groundwater monitoring data is presented in Tables 2 and 3.

### **2.2.2 HYDROCARBON DISTRIBUTION IN GROUNDWATER**

Hydrocarbon concentrations were detected in all six sampled wells. TPHg concentrations ranged from 2,200 (RW-5) to 32,000 micrograms per liter ( $\mu\text{g/L}$ ) (MW-3). Benzene concentrations ranged from 350 (RW-5) to 6,200  $\mu\text{g/L}$  (MW-3). TPHd concentrations without the Zemo Protocol ranged from 1,200 (MW-4) to 31,000  $\mu\text{g/L}$  (MW-3). TPHd concentrations with the Zemo Protocol ranged from 600 (RW-5) to 11,000  $\mu\text{g/L}$  (MW-3). MTBE concentrations ranged from 25 (RW-9) to 80  $\mu\text{g/L}$  (MW-3). Concentrations of TBA were detected in all six wells ranging from 88 (MW-4) to 300  $\mu\text{g/L}$  (MW-3). No TAME, EDB, 1,2-DCA, DIPE, nor ETBE concentrations were detected above laboratory detection limits in any of the six wells. Analytical results are summarized in Tables 2 and 3 and shown on Figure 2.

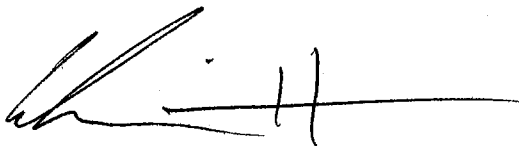
## **2.3        PROPOSED ACTIVITIES**

### **2.3.1      MONITORING ACTIVITIES**

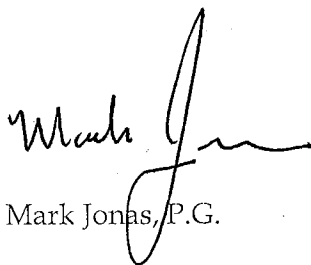
During the first half 2010, CRA will contract with MES to gauge the site wells, measure and remove SPH if observed, and collect groundwater samples from monitoring wells MW-1 through MW-4, RW-5, and RW-9. All sampled wells will be field measured for DO. Groundwater samples will be analyzed for TPHg and TPHd with silica gel clean-up by Modified EPA Method SW8015C with and without the Zemo Protocol; for BTEX by EPA Method SW8021B; and for MTBE, TBA, DIPE, ETBE, 1,2-DCA, EDB, and TAME by EPA Method SW8260B. CRA will summarize groundwater monitoring activities and results in the *Groundwater Monitoring Report – First Half 2010*.



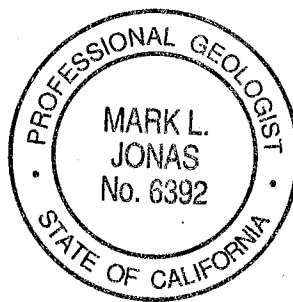
All of Which is Respectfully Submitted,  
CONESTOGA-ROVERS & ASSOCIATES



Calvin Hee

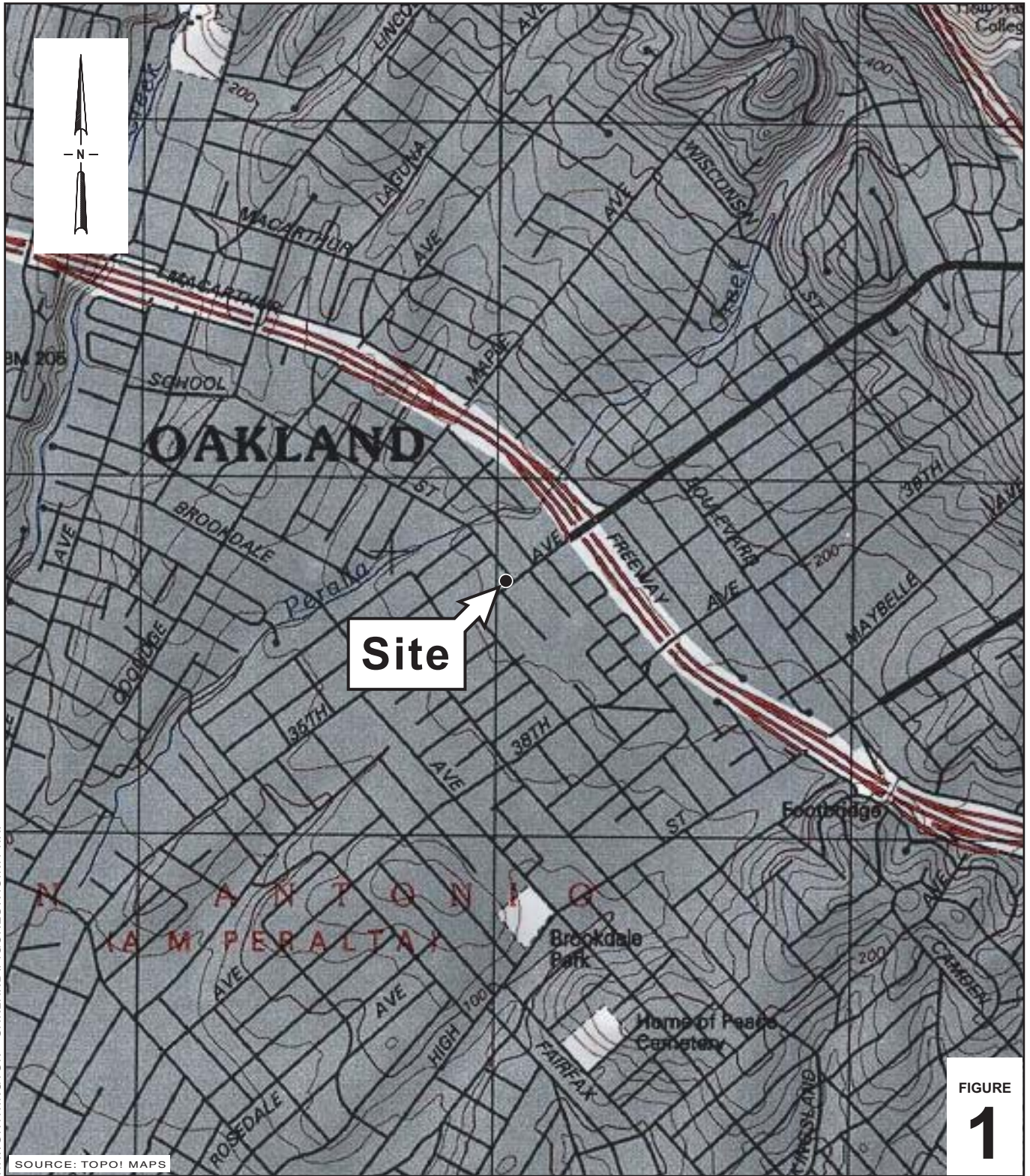


Mark Jonas, P.G.



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## FIGURES



H:\WORTHINGTON - OAKLAND\FIGURES\VICINITY.A1

SOURCE: TOPOI MAPS

FIGURE 1

0 1/8 1/4 1/2 1  
 SCALE : 1" = 1/4 MILE

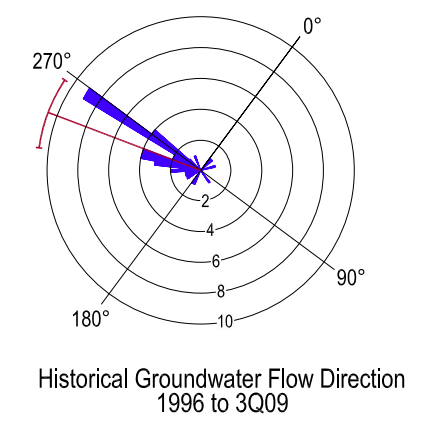
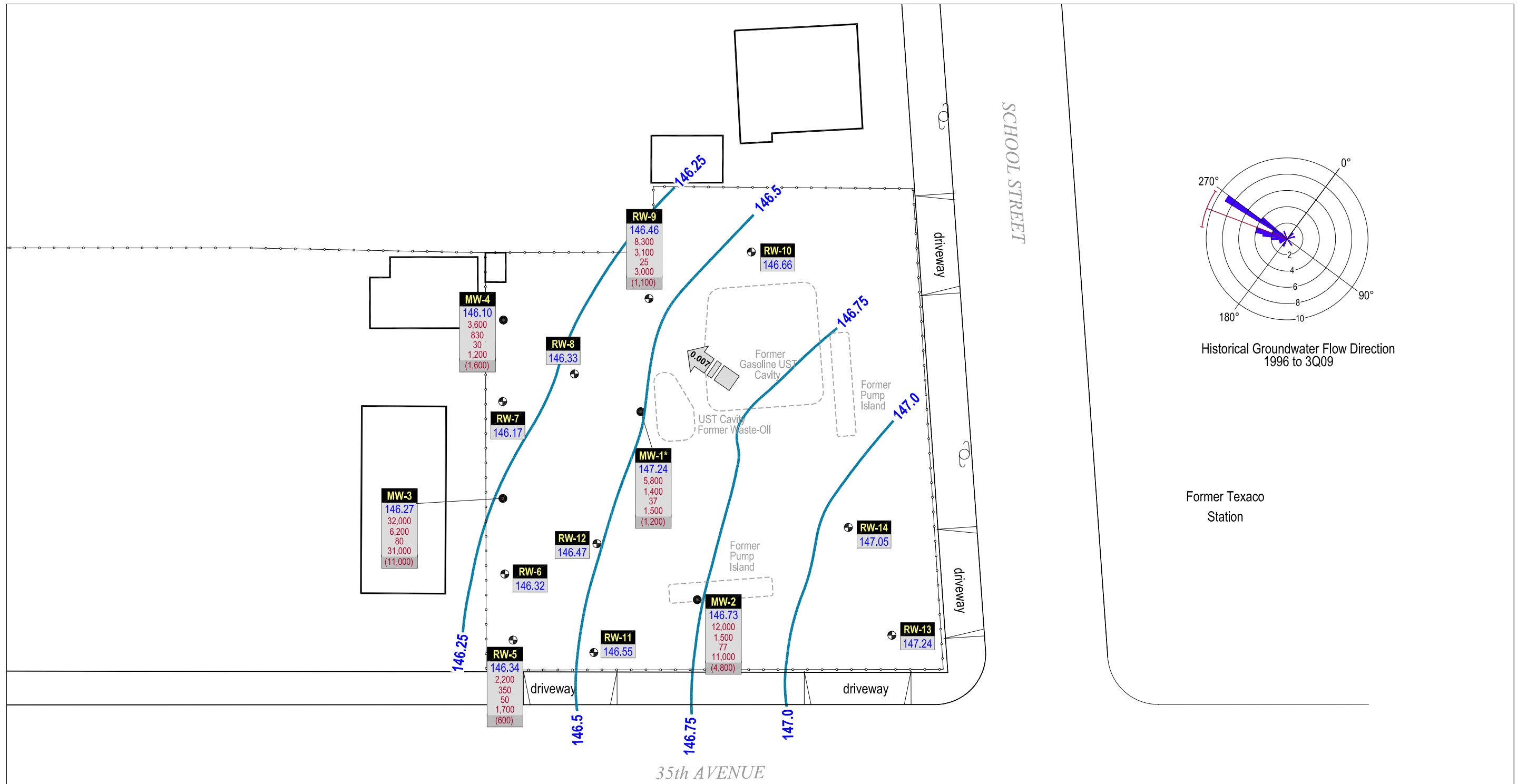
### Former Exxon Station

3035 35th Avenue  
Oakland, California



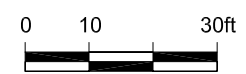
**CONESTOGA-ROVERS & ASSOCIATES**

### Vicinity Map



EXPLANATION	
MW-1 (SB-G) ●	Monitoring well location
RW-10 ⊕	Remediation well location
155.50	Groundwater elevation contour line
*	Groundwater elevation not used in contouring (MW-1)
Well ID	Well designation
ELEV	Groundwater elevation
TPHg	Hydrocarbon concentrations in groundwater, in micrograms per liter (µg/L) TPHd in parenthesis with Dawn Zemo Gravity Separation
Benz.	
MTBE	
TPHd (TPHdz)	

**FIGURE 2**  
**GROUNDWATER ELEVATION and HYDROCARBON CONCENTRATION MAP**  
**FORMER EXXON STATION**  
**3055 35th AVENUE**  
**Oakland, California**  
**September 5, 2009**



## TABLES

**WELL CONSTRUCTION DETAILS  
FORMER EXXON SERVICE STATION  
3055 35<sup>th</sup> AVENUE  
OAKLAND, CALIFORNIA**

<i>Well ID</i>	<i>Date Installed</i>	<i>Borehole Depth (ft)</i>	<i>Borehole Diameter (in)</i>	<i>Casing Diameter (in)</i>	<i>Screen Interval (ft bgs)</i>	<i>Screen Size (in)</i>	<i>Filter Pack (ft bgs)</i>	<i>Bentonite Seal (ft bgs)</i>	<i>Cement Seal (ft bgs)</i>	<i>TOC Elevation (ft msl)</i>
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 35<sup>th</sup> AVENUE  
OAKLAND, CALIFORNIA**

<i>Well ID</i>	<i>Date</i>	<i>GW Depth</i>	<i>SPH</i>	<i>GW Elev.</i>	<i>Note</i>	<i>TPHd</i>	<i>TPHmo</i>	<i>TPHg</i>	<i>Benzene</i>	<i>Toluene</i>	<i>Ethylbenzene</i>	<i>Xylenes</i>	<i>MTBE</i>	<i>DO</i>	<i>DPE System</i>
<i>TOC</i>		<i>(ft TOC)</i>	<i>(ft)</i>	<i>(ft msl)</i>		<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(mg/L)</i>	<i>Status</i>
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 <sup>a</sup>	---	31,000	7,400	440	890	1,800	<400	3.7	
	9/17/1997	20.12	---	80.73		3,500 <sup>e</sup>	---	32,000 <sup>d</sup>	9,100	550	1,000	2,000	<1,000	2.1	
	12/22/1997	12.95	---	87.90		5,800 <sup>e</sup>	---	26,000 <sup>d</sup>	7,900	370	920	1,500	<790	0.7	
	3/18/1998	12.34	Sheen	88.51		4,200 <sup>e,f</sup>	---	30,000 <sup>d</sup>	7,800	820	840	2,000	<1,100	1.3	
	7/14/1998	17.34	---	83.51		8,900 <sup>e,f</sup>	---	41,000 <sup>d</sup>	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 <sup>e</sup>	---	36,000 <sup>d</sup>	12,000	750	1,300	2,400	950	0.50	
	6/29/1999	20.77	---	80.08		3,500 <sup>e</sup>	---	28,000 <sup>d</sup>	7,300	420	810	1,700	<1,300	0.10	
	9/28/1999	19.68	---	81.17		3,600 <sup>e,f</sup>	---	13,000 <sup>d</sup>	3,200	130	320	1,100	<210	0.55	
	12/10/1999	17.02	---	83.83		2,900 <sup>e,f</sup>	---	25,000 <sup>d</sup>	5,400	130	620	1,400	<1,000	1.03	
	3/23/2000	12.76	---	88.09		3,300 <sup>f</sup>	---	21,000 <sup>d</sup>	4,700	140	470	1,100	<350	---	
	9/7/2000	19.45	---	81.40		12,000 <sup>e,g</sup>	---	40,000 <sup>d,g</sup>	3,700	1,400	910	4,900	<50	0.17	
	12/5/2000	18.60	---	82.25		3,400 <sup>e</sup>	---	26,000 <sup>a</sup>	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 <sup>d</sup>	---	8,800 <sup>a</sup>	2,100	45	91	240	<130	0.27	Operating
	12/7/2001	26.55	---	74.30		1,900 <sup>e,f</sup>	---	8,700 <sup>d</sup>	1,300	160	38	730	<20	0.59	Operating
	3/11/2002	17.13	---	83.72		1,400 <sup>e</sup>	---	9,400 <sup>d</sup>	2,100	200	74	470	<20	0.39	Operating
	6/10/2002	24.10	---	76.75		900 <sup>e,k</sup>	---	4,200 <sup>d</sup>	830	170	110	460	<100	---	Operating
	9/26/2002	20.30	---	80.55		1,300 <sup>e,f,k</sup>	---	7,000 <sup>d</sup>	1,300	190	200	760	<100	0.70	Operating



TABLE 2

**GROUNDWATER ELEVATIONS AND ANALYTICAL DATA  
FORMER EXXON SERVICE STATION  
3055 35<sup>th</sup> AVENUE  
OAKLAND, CALIFORNIA**

Well ID TOC	Date	GW Depth (ft TOC)	SPH (ft)	GW Elev. (ft msl)	Note	TPHd (µg/L)	TPHmo (µg/L)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	DPE System Status
MW-1 cont.	11/21/2002	21.55	---	79.30		200,000 <sup>e,g</sup>	---	83,000 <sup>d,g</sup>	7,100	1,700	3,000	13,000	<1,000	0.49	Operating
	1/13/2003	14.80	---	86.05		5,300 <sup>e,f</sup>	---	20,000 <sup>d</sup>	2,300	480	300	2,100	<500	0.33	Not operating
	4/25/2003	20.90	---	79.95		320 <sup>e</sup>	---	4,200 <sup>d</sup>	580	81	59	470	<50	---	Operating
	5/30/2003	16.65	---	84.20		---	---	---	---	---	---	---	---	---	Not operating
167.02	9/3/2003	24.16	---	76.69		36,000 <sup>e,f</sup>	---	14,000 <sup>d</sup>	300	50	33	480	<50	---	Operating
	12/2/2003	24.12	Sheen <sup>Lab</sup>	76.73		9,300 <sup>e,f,g</sup>	---	7,100 <sup>d,g</sup>	1,400	230	160	820	<100	---	Operating
	3/18/2004	17.70	---	83.15		1,100 <sup>e,f</sup>	---	3,600 <sup>d</sup>	650	59	38	370	<90	---	Operating
	6/16/2004	19.20	---	147.82		2,300 <sup>e,f</sup>	---	8,100 <sup>d</sup>	1,500	69	22	1,000	<100	---	Not operating
	9/27/2004	23.07	---	143.95		1,700 <sup>e</sup>	---	7,800 <sup>d</sup>	1,800	110	120	670	<180	0.28	Not operating
	12/27/2004	17.04	---	149.98		1,400 <sup>e</sup>	---	10,000 <sup>d</sup>	2,400	170	170	1,500	<120	0.41	Not operating
	3/7/2005	10.73	---	156.29		1,300 <sup>e,f,k</sup>	---	8,700 <sup>d</sup>	1,200	99	140	770	<500	0.91	Not operating
	6/21/2005	14.60	---	152.42		930 <sup>e,k</sup>	---	6,500 <sup>d</sup>	820	26	57	110	<250	---	Not operating
	9/21/2005	19.64	---	147.38		860 <sup>e,k,f</sup>	---	2,900 <sup>d</sup>	430	19	46	150	<50	1.14	Not operating
	12/14/2005	17.63	Sheen <sup>Field</sup>	149.39		4,000 <sup>e,f,k</sup>	---	6,200 <sup>d</sup>	570	32	72	420	<110	1.08	Not operating
	3/22/2006	10.52	Sheen <sup>Field</sup>	156.50		1,100 <sup>e,f,k</sup>	---	8,300 <sup>d</sup>	1,700	100	190	660	<150	0.84	Not operating
	6/30/2006	16.33	Sheen <sup>Field</sup>	150.69		1,500 <sup>m,k,l</sup>	---	2,100 <sup>d,l</sup>	320	6.1	<1.0	77	<90	0.66	Not operating
	9/5/2006	19.96	Sheen <sup>Lab</sup>	147.06		1,500 <sup>e,f,k,g</sup>	---	5,500 <sup>d,g</sup>	1,000	45	81	310	<120	0.38	Not operating
	12/6/2006	19.92	Sheen <sup>Lab</sup>	147.10		760 <sup>e,g</sup>	---	4,500 <sup>d,g</sup>	440	13	42	190	<60	0.55	Not operating
	3/16/2007	13.62	---	153.40		1,800 <sup>e,f</sup>	---	7,500 <sup>d</sup>	1,400	30	100	270	<150	0.58	Not operating
	6/15/2007	18.07	Sheen <sup>Field</sup>	148.95		1,500 <sup>e,k,f</sup>	---	5,600 <sup>d</sup>	1,200	29	84	190	56	0.74	Not operating
	9/6/2007	20.84	---	146.18		690 <sup>e,f</sup>	---	2,800 <sup>d</sup>	590	17	35	100	<80	0.90	Not operating
	12/8/2007	18.66	Sheen <sup>Field</sup>	148.36		520 <sup>e,f</sup>	---	4,500 <sup>d</sup>	570	13	57	200	<120	1.24	Not operating
	3/9/2008	12.98	Sheen <sup>Field</sup>	154.04	(Z)	(470 <sup>e</sup> )	(<250)	(4,600 <sup>d</sup> )	(1,100)	(23)	(82)	(140)	(<50)	1.17	Not operating
	6/14/2008	18.98	---	148.04	(Z)	(410 <sup>e</sup> )	(<250)	(3,800 <sup>d</sup> )	(690)	(12)	(64)	(240)	(<80)	1.95	Not operating
9/6/2008	20.66	---	146.36	(Z <sup>TPHd</sup> )	(420 <sup>e</sup> )	---	2,400 <sup>d</sup>	500	11	30	67	<75	1.20	Not operating	
12/28/2008	16.57	Sheen <sup>Field</sup>	150.45	(Z <sup>TPHd</sup> )	(2,800 <sup>e</sup> )	<250	5,700 <sup>d</sup>	660	17	110	320	41 <sup>o</sup>	1.06	Not operating	
3/14/2009	12.57	Sheen <sup>Field</sup>	154.45	(Z <sup>TPHd</sup> )	2,000 <sup>e,f,k</sup> (860 <sup>e</sup> )	---	6,700 <sup>d</sup>	1,100	23	100	180	35 <sup>o</sup>	1.19	Not operating	
6/7/2009	17.17	Sheen <sup>Field</sup>	149.85	(Z <sup>TPHd</sup> )	1,400 <sup>e,f,m</sup> (690) <sup>e</sup>	---	5,100 <sup>d</sup>	1,000	9.2	35	71	42 <sup>o</sup>	0.95	Not operating	
	<b>9/5/2009</b>	<b>19.78</b>	<b>--</b>	<b>147.24</b>	<b>(Z<sup>TPHd</sup>)</b>	<b>1500<sup>e,f,k</sup> (1,200)<sup>e,k</sup></b>	<b>--</b>	<b>5,800<sup>d</sup></b>	<b>1,400</b>	<b>21</b>	<b>60</b>	<b>150</b>	<b>(37)<sup>o</sup></b>	<b>1.22</b>	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	---	---	



TABLE 2

**GROUNDWATER ELEVATIONS AND ANALYTICAL DATA  
FORMER EXXON SERVICE STATION  
3055 35<sup>th</sup> AVENUE  
OAKLAND, CALIFORNIA**

<i>Well ID</i>	<i>Date</i>	<i>GW Depth</i>	<i>SPH</i>	<i>GW Elev.</i>	<i>Note</i>	<i>TPHd</i>	<i>TPHmo</i>	<i>TPHg</i>	<i>Benzene</i>	<i>Toluene</i>	<i>Ethylbenzene</i>	<i>Xylenes</i>	<i>MTBE</i>	<i>DO</i>	<i>DPE System</i>
<i>TOC</i>		<i>(ft TOC)</i>	<i>(ft)</i>	<i>(ft msl)</i>		<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(mg/L)</i>	<i>Status</i>
	5/23/1995	14.17	---	85.83		---	---	33,000	8,200	5,600	900	6,600	---	---	
MW-2	8/22/1995	19.80	---	80.20		---	---	38,000	6,400	5,000	1,100	5,600	---	---	
cont.	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 <sup>b</sup>	---	42,000	7,400	3,800	1,200	5,700	<200	0.9	
	9/17/1997	19.05	Sheen	80.95		8,900 <sup>e</sup>	---	41,000 <sup>d</sup>	5,200	3,400	1,300	5,900	<700	1.2	
	12/22/1997	14.09	---	85.91		6,100 <sup>e</sup>	---	47,000 <sup>d</sup>	8,500	4,600	1,800	8,400	<1,200	1.2	
	3/18/1998	10.83	Sheen	89.17		7,000 <sup>e,f</sup>	---	58,000 <sup>d</sup>	9,300	6,100	1,800	8,200	<1,100	1.1	
	7/14/1998	16.07	---	83.93		5,300 <sup>e,f</sup>	---	42,000 <sup>d</sup>	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 <sup>e,f</sup>	---	28,000 <sup>d</sup>	4,400	1,600	950	4,100	410	1.86	
	6/29/1999	19.54	---	80.46		3,300 <sup>e</sup>	---	28,000 <sup>d</sup>	3,500	1,100	690	3,100	<1,000	0.41	
	9/28/1999	18.61	---	81.39		3,400 <sup>e,f</sup>	---	15,000 <sup>d</sup>	1,200	540	230	2,300	<36	1.18	
	12/10/1999	16.53	---	83.47		2,500 <sup>e,f</sup>	---	17,000 <sup>d</sup>	1,300	780	420	2,700	<40	0.17	
	3/23/2000	13.56	---	86.44		3,100 <sup>i</sup>	---	25,000 <sup>d</sup>	1,900	1,100	660	3,700	<500	---	
	9/7/2000	18.25	---	81.75		32,000 <sup>e,g</sup>	---	62,000 <sup>d,g</sup>	5,300	2,300	1,500	8,400	<100	0.39	
	12/5/2000	17.45	---	82.55		87,000 <sup>e,f,g</sup>	---	60,000 <sup>d,g</sup>	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 <sup>d,h</sup>	---	43,000 <sup>a,h</sup>	3,100	720	980	5,500	<200	---	Operating
	12/7/2001	24.45	---	75.55		750 <sup>e,f</sup>	---	4,100 <sup>d</sup>	510	88	8.2	580	<20	0.47	Operating
	3/11/2002	16.95	---	83.05		590 <sup>e</sup>	---	4,700 <sup>d</sup>	1,200	150	30	310	<50	0.24	Operating
	6/10/2002	18.59	---	81.41		2,000 <sup>e</sup>	---	14,000 <sup>d</sup>	2,600	710	150	2,000	<800	---	Operating
	9/26/2002	20.39	---	79.61		660 <sup>e</sup>	---	4,800 <sup>d</sup>	770	200	140	740	<50	0.29	Operating
	11/21/2002	18.75	---	81.25		350,000 <sup>e,g</sup>	---	210,000 <sup>d,g</sup>	14,000	23,000	4,400	28,000	<1,700	0.43	Operating
	1/13/2003	13.60	Sheen <sup>Lab</sup>	86.40		14,000 <sup>e,f,g,k</sup>	---	32,000 <sup>d,g</sup>	4,500	1,600	920	3,600	<1000	0.39	Not operating
	4/25/2003	19.05	---	80.95		310 <sup>e</sup>	---	3,800 <sup>d</sup>	460	78	72	410	310	---	Operating
	5/30/2003	15.23	---	84.77		---	---	---	---	---	---	---	---	---	Not operating
	9/3/2003	23.57	---	76.43		2,300 <sup>e</sup>	---	2,900 <sup>d</sup>	240	57	68	380	770	---	Operating

TABLE 2

**GROUNDWATER ELEVATIONS AND ANALYTICAL DATA  
FORMER EXXON SERVICE STATION  
3055 35<sup>th</sup> 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
(Monument Well box)	12/2/2003	23.17	Sheen <sup>Lab</sup>	76.83		3,300 <sup>e,f,g</sup>	---	2,400 <sup>d,g</sup>	91	20	14	250	890	---	Operating
166.14	3/18/2004	15.78	---	84.22		870 <sup>e,f</sup>	---	4,200 <sup>d</sup>	730	89	<5.0	480	2,300	---	Operating
	6/16/2004	18.15	---	147.99		9,800 <sup>e,f</sup>	---	15,000 <sup>d</sup>	800	210	290	1,800	2,000	---	Not operating
	9/27/2004	27.55**	---	138.59		1,000 <sup>e,f,k</sup>	---	770 <sup>d</sup>	20	7.9	10	140	1,600	0.79	Operating
MW-2 cont.	12/27/2004	16.81	---	149.33		3,800 <sup>e,f</sup>	---	17,000 <sup>d</sup>	1,300	370	540	3,800	620	0.94	Not operating
	3/7/2005	9.31	Sheen <sup>Field &amp;</sup>	156.83		8,300 <sup>e,f,k,g</sup>	---	20,000 <sup>d,g</sup>	1,400	330	430	2,600	1,100	0.88	Not operating
	6/21/2005	13.42	Sheen <sup>Lab</sup>	152.72		15,000 <sup>e,f,g</sup>	---	36,000 <sup>d,g</sup>	1,700	310	460	3,100	1,200	---	Not operating
	9/21/2005	18.50	Sheen <sup>Field</sup>	147.64		1,100 <sup>e,f</sup>	---	4,600 <sup>d</sup>	370	62	110	740	1,100	0.86	Not operating
	12/14/2005	16.40	Sheen <sup>Field &amp;</sup>	149.74		49,000 <sup>e,f,k,g</sup>	---	29,000 <sup>d,g</sup>	1,700	260	600	3,700	1,000	0.99	Not operating
	3/22/2006	9.15	Sheen <sup>Lab</sup>	156.99		23,000 <sup>e,f,k,g</sup>	---	21,000 <sup>d,g</sup>	2,300	200	550	2,800	1,200	0.91	Not operating
	6/30/2006	16.78	Sheen <sup>Field &amp;</sup>	149.36		55,000 <sup>e,f,k,g</sup>	---	18,000 <sup>d,g</sup>	1,100	71	270	1,400	1,200	0.84	Not operating
	9/5/2006	18.96	Sheen <sup>Lab</sup>	147.18		19,000 <sup>e,f,k,g</sup>	---	15,000 <sup>d,g</sup>	680	70	260	1,400	<1,000	0.79	Not operating
	12/6/2006	18.01	Sheen <sup>Field &amp;</sup>	148.13		31,000 <sup>e,f,k,g</sup>	---	27,000 <sup>d,g</sup>	1,100	51	420	1,600	<900	0.48	Not operating
	3/16/2007	12.31	Sheen <sup>Field &amp;</sup>	153.83		49,000 <sup>e,f,k,g</sup>	---	44,000 <sup>d,g</sup>	1,800	71	670	2,200	<900	0.52	Not operating
	6/15/2007	17.31	Sheen <sup>Field &amp;</sup>	148.83		21,000 <sup>e,k,f,g</sup>	---	18,000 <sup>d,g</sup>	700	22	290	740	<650	0.68	Not operating
	9/6/2007	19.28	Sheen <sup>Field &amp;</sup>	146.86		8,400 <sup>e,f,g</sup>	---	17,000 <sup>a,h</sup>	1,000	53	450	1,100	<700	0.72	Not operating
	12/8/2007	17.72	Sheen <sup>Field &amp;</sup>	148.42		3,600 <sup>e,f,g</sup>	---	14,000 <sup>d,g</sup>	640	13	220	520	<300	0.80	Not operating
	3/9/2008	12.09	Sheen <sup>Field</sup>	154.05	(Z)	(3,100 <sup>e</sup> )	(<250)	(7,900 <sup>d</sup> )	(840)	(24)	(280)	(380)	(<380)	0.68	Not operating
	6/14/2008	18.66	Sheen <sup>Field</sup>	147.48	(Z)	(2,500 <sup>e</sup> )	(<250)	(10,000 <sup>d</sup> )	(520)	(18)	(200)	(370)	(<350)	0.97	Not operating
	9/6/2008	19.41	Sheen <sup>Field &amp;</sup>	146.73	(Z <sup>TPHd</sup> )	(2,500 <sup>e,g</sup> )	---	10,000 <sup>d,g</sup>	430	17	270	370	<180	0.81	Not operating
	12/28/2008	15.73	Sheen <sup>Field</sup>	150.41	(Z <sup>TPHd</sup> )	(2,400 <sup>e</sup> )	<250	9,800 <sup>d</sup>	690	19	250	180	120 <sup>o</sup>	0.63	Not operating
	3/14/2009	10.52	Sheen <sup>Field</sup>	155.62	(Z <sup>TPHd</sup> )	3,300 <sup>e,f,k</sup> (2,700 <sup>e</sup> )	---	11,000 <sup>d</sup>	1,100	23	23	250	120 <sup>o</sup>	0.67	Not operating
	6/7/2009	16.64	Sheen <sup>Field &amp;</sup>	149.50	(Z <sup>TPHd</sup> )	13,000 <sup>m,f</sup> (2,500 <sup>e</sup> )	---	15,000 <sup>d</sup>	710	37	210	180	88 <sup>o</sup>	0.71	Not operating
	9/5/2009	19.41	Sheen <sup>Lab</sup>	146.73	(Z <sup>TPHd</sup> )	11000 <sup>e,f,k,g</sup> (4,800)	--	12,000 <sup>d,g</sup>	1,500	30	170	220	(77) <sup>o</sup>	0.95	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	---	

TABLE 2

**GROUNDWATER ELEVATIONS AND ANALYTICAL DATA  
FORMER EXXON SERVICE STATION  
3055 35<sup>th</sup> AVENUE  
OAKLAND, CALIFORNIA**

<i>Well ID</i>	<i>Date</i>	<i>GW Depth</i>	<i>SPH</i>	<i>GW Elev.</i>	<i>Note</i>	<i>TPHd</i>	<i>TPHmo</i>	<i>TPHg</i>	<i>Benzene</i>	<i>Toluene</i>	<i>Ethylbenzene</i>	<i>Xylenes</i>	<i>MTBE</i>	<i>DO</i>	<i>DPE System</i>
<i>TOC</i>		<i>(ft TOC)</i>	<i>(ft)</i>	<i>(ft msl)</i>		<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(mg/L)</i>	<i>Status</i>
	8/22/1996	16.50	---	80.37		16,000	---	94,000	17,000	15,000	2,100	12,000	330	2.0	
MW-3	11/27/1996	13.47	Sheen	83.40		24,000	---	82,000	14,000	13,000	2,400	13,000	<1,000	2.4	
cont.	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 <sup>b</sup>	---	49,000	9,700	7,100	1,300	7,000	220	5.8	
	9/17/1997	16.34	Sheen	80.53		15,000 <sup>e</sup>	---	78,000 <sup>d</sup>	11,000	9,900	1,800	10,000	<1,200	0.7	
	12/22/1997	10.71	Sheen	86.16		14,000 <sup>e</sup>	---	49,000 <sup>d</sup>	7,300	5,300	1,400	7,500	<1,100	3.1	
	3/18/1998	8.41	Sheen	88.46		20,000 <sup>e,f</sup>	---	120,000 <sup>d</sup>	21,000	19,000	2,600	15,000	<1,600	1.6	
	7/14/1998	13.51	---	83.36		65,000 <sup>e,f,g</sup>	---	94,000 <sup>d,g</sup>	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 <sup>e</sup>	---	39,000 <sup>d</sup>	8,900	4,400	940	4,500	810	0.56	
	6/29/1999	16.98	---	79.89		6,900 <sup>e</sup>	---	71,000 <sup>d</sup>	12,000	7,300	1,400	8,400	<1,700	0.19	
	9/28/1999	15.99	---	80.88		7,800 <sup>e</sup>	---	60,000 <sup>d</sup>	9,400	9,200	1,000	9,900	200	0.53	
	12/10/1999	13.31	---	83.56		5,300 <sup>e,f</sup>	---	53,000 <sup>d</sup>	8,000	6,400	1,100	8,100	<200	0.48	
	3/23/2000	8.98	---	87.89		11,000 <sup>g,i</sup>	---	77,000 <sup>d,g</sup>	10,000	9,400	1,600	11,000	<430	---	
	9/7/2000	15.61	---	81.26		19,000 <sup>e,f,g</sup>	---	100,000 <sup>d,g</sup>	17,000	12,000	1,600	11,000	<500	---	
	12/5/2000	14.80	---	82.07		17,000 <sup>e,g</sup>	---	110,000 <sup>d,g</sup>	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 <sup>d,h</sup>	---	95,000 <sup>a,h</sup>	6,900	10,000	2,700	15,000	<250	0.24	Operating
	12/7/2001	24.65	---	72.22		3,900 <sup>e,f</sup>	---	25,000 <sup>d</sup>	2,500	1,700	64	2,200	<200	0.19	Operating
	3/11/2002	14.69	---	82.18		2,800 <sup>f,e,k</sup>	---	30,000 <sup>d</sup>	5,000	2,400	190	1,800	<1,300	0.30	Operating
	6/10/2002	22.94	---	73.93		990 <sup>e,k</sup>	---	9,000 <sup>d</sup>	1,800	1,300	96	1,000	<300	---	Operating
	9/26/2002	18.85	---	78.02		130,000 <sup>e,g</sup>	---	50,000 <sup>d,g</sup>	3,900	5,400	820	6,600	<500	0.19	Operating
	11/21/2002	17.85	0.05	79.06		120,000 <sup>e,g</sup>	---	37,000 <sup>d,g</sup>	4,000	660	1,200	5,100	<1,700	0.28	Operating
	1/13/2003	11.43	Sheen <sup>Lab</sup>	85.44		6,300 <sup>e,f,g,k</sup>	---	21,000 <sup>d,g</sup>	2,400	2,300	390	3,000	<500	0.31	Not operating
	4/25/2003	18.30	---	78.57		1,200 <sup>e</sup>	---	12,000 <sup>d</sup>	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 <sup>e</sup>	---	8,100 <sup>d</sup>	220	170	66	560	<50	---	Operating
	12/2/2003	17.70	Sheen <sup>Lab</sup>	79.17		8,400 <sup>e,f,g</sup>	---	30,000 <sup>d,g</sup>	2,900	2,100	530	3,600	<500	---	Operating
	3/18/2004	16.49	---	80.38		2,300 <sup>e,f</sup>	---	15,000 <sup>d</sup>	2,600	990	260	1,700	<300	---	Operating
	6/16/2004	15.40	---	147.54		8,800 <sup>e,f</sup>	---	23,000 <sup>d</sup>	2,100	1,300	360	2,800	<1,000	---	Operating
162.94	9/27/2004	23.65	---	139.29		1,700 <sup>e,f</sup>	---	5,200 <sup>d</sup>	430	220	100	680	250	0.55	Operating
	12/27/2004	14.58	Sheen <sup>Lab</sup>	148.36		24,000 <sup>e,f,g,k</sup>	---	32,000 <sup>d,g</sup>	4,400	2,800	650	4,800	<250	0.71	Not operating

TABLE 2

**GROUNDWATER ELEVATIONS AND ANALYTICAL DATA  
FORMER EXXON SERVICE STATION  
3055 35<sup>th</sup> AVENUE  
OAKLAND, CALIFORNIA**

Well ID	Date	GW Depth (ft TOC)	SPH (ft)	GW Elev. (ft msl)	Note	TPHd (µg/L)	TPHmo (µg/L)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	DPE System Status
MW-3 cont.	3/7/2005	6.91	Sheen <sup>Field &amp;</sup>	156.03		14,000 <sup>e,f,g</sup>	---	50,000 <sup>d,g</sup>	6,100	2,100	1,300	7,400	<500	0.62	Not operating
	6/21/2005	10.79	Sheen <sup>Field &amp;</sup>	152.15		12,000 <sup>e,g</sup>	---	44,000 <sup>d,g</sup>	4,900	870	1,100	6,500	<1,200	---	Not operating
	9/21/2005	15.73	Sheen <sup>Field &amp;</sup>	147.21		16,000 <sup>e,f,k,g</sup>	---	41,000 <sup>d,g</sup>	3,700	480	930	5,700	<500	0.90	Not operating
	12/14/2005	13.65	Sheen <sup>Field &amp;</sup>	149.29		19,000 <sup>e,f,k,g</sup>	---	53,000 <sup>d,g</sup>	4,700	350	1,100	7,400	<1,000	0.95	Not operating
	3/22/2006	8.10	Sheen <sup>Field &amp;</sup>	154.84		15,000 <sup>e,f,k,g</sup>	---	45,000 <sup>d,g</sup>	4,300	390	1,100	5,300	<1,000	0.88	Not operating
	6/30/2006	14.10	Sheen <sup>Field &amp;</sup>	148.84		15,000 <sup>e,f,k,g</sup>	---	44,000 <sup>d,g</sup>	4,000	160	550	4,000	<450	0.81	Not operating
	9/5/2006	16.25	Sheen <sup>Field &amp;</sup>	146.69		16,000 <sup>e,f,k,g</sup>	---	56,000 <sup>d,g</sup>	5,400	300	1,200	6,200	<500	0.55	Not operating
	12/6/2006	15.25	Sheen <sup>Field &amp;</sup>	147.69		19,000 <sup>e,f,k,g</sup>	---	44,000 <sup>d,g</sup>	4,500	110	930	3,600	<500	0.70	Not operating
	3/16/2007	10.25	Sheen <sup>Field &amp;</sup>	152.69		5,300 <sup>e,f,k,g</sup>	---	72,000 <sup>d,g</sup>	6,500	420	1,200	3,900	<1,000	0.61	Not operating
	6/15/2007	14.57	Sheen <sup>Field &amp;</sup>	148.37		25,000 <sup>e,k,f,g</sup>	---	56,000 <sup>d,g</sup>	5,100	200	1,100	3,200	<1000	0.48	Not operating
	9/6/2007	16.55	Sheen <sup>Field &amp;</sup>	146.39		14,000 <sup>e,f,g</sup>	---	41,000 <sup>d,g</sup>	4,400	180	1,000	3,800	<700	0.70	Not operating
	12/8/2007	14.49	Sheen <sup>Field &amp;</sup>	148.45		4,000 <sup>e,f,g</sup>	---	33,000 <sup>d,g</sup>	4,300	120	370	2,200	<250	0.77	Not operating
	3/9/2008	10.40	Sheen <sup>Field</sup>	152.54	(Z)	(3,400 <sup>e</sup> )	(310)	(23,000 <sup>d</sup> )	(4,200)	(120)	(650)	(1,600)	(<250)	0.71	Not operating
	6/14/2008	15.92	Sheen <sup>Field</sup>	147.02	(Z)	(4,900 <sup>e</sup> )	(600)	(36,000 <sup>d</sup> )	(4,700)	(140)	(830)	(1,600)	(<500)	1.05	Not operating
	9/6/2008	16.65	Sheen <sup>Field &amp;</sup>	146.29	(Z <sup>TPHd</sup> )	(7,900 <sup>e,f,g</sup> )	---	42,000 <sup>d,g</sup>	5,800	190	1,100	2,400	<800	1.03	Not operating
	12/28/2008	12.72	Sheen <sup>Field &amp;</sup>	150.22	(Z <sup>TPHd</sup> )	(4,100 <sup>e,g</sup> )	<250	24,000 <sup>d,g</sup>	4,100	91	380	960	91 <sup>o</sup>	0.91	Not operating
	3/14/2009	9.02	Sheen <sup>Field &amp;</sup>	153.92	(Z <sup>TPHd</sup> )	8,700 <sup>e,f,k,g</sup> (8,100)	---	41,000 <sup>d,g</sup>	4,900	140	940	1,600	97 <sup>o</sup>	1.14	Not operating
	6/7/2009	13.94	Sheen <sup>Field &amp;</sup>	149.00	(Z <sup>TPHd</sup> )	6,900 <sup>e,f,m</sup> (3,700) <sup>e</sup>	---	23,000 <sup>d</sup>	4,400	81	710	670	97 <sup>o</sup>	1.02	Not operating
	9/5/2009	16.67	Sheen <sup>Lab</sup>	146.27	(Z <sup>TPHd</sup> )	31000 <sup>e,f,k,m,g</sup> 1,000	--	32,000 <sup>d,g</sup>	6,200	120	590	1,000	(80) <sup>o</sup>	0.98	Not operating
	MW-4 97.34	3/20/1997	13.75	---	83.59		3,100	---	47,000	11,000	4,500	1,100	5,200	3,400	8.4
6/25/1997		16.15	---	81.19		5,800 <sup>b</sup>	---	61,000	16,000	6,100	1,500	5,900	780 <sup>c</sup>	1.4	
9/17/1997		17.10	---	80.24		4,400 <sup>e</sup>	---	60,000 <sup>d</sup>	17,000	4,900	1,500	5,700	<1,500	1.5	
12/22/1997		9.21	---	88.13		3,100 <sup>e</sup>	---	43,000 <sup>d</sup>	13,000	3,900	1,100	4,200	<960	3.7	
3/18/1998		9.54	---	87.80		5,500 <sup>e,f</sup>	---	58,000 <sup>d</sup>	14,000	4,700	1,400	5,700	<1,200	0.8	
7/14/1998		14.15	---	83.19		2,900 <sup>e,f</sup>	---	73,000 <sup>d</sup>	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 <sup>e,f,h</sup>	---	48,000 <sup>d</sup>	15,000	3,000	1,300	5,000	1,300	1.32	
06/29/99*		---	---	---		---	---	---	---	---	---	---	---	---	
9/28/1999		16.58	---	80.76		3,200 <sup>e,f</sup>	---	24,000 <sup>d</sup>	7,500	1,200	190	2,200	210	14.29 <sup>#</sup>	
12/10/1999		13.99	---	83.35		3,100 <sup>e,f</sup>	---	47,000 <sup>d</sup>	12,000	1,800	1,000	4,400	<100	0.62	
3/23/2000		10.22	---	87.12		3,100 <sup>e,f</sup>	---	40,000 <sup>d</sup>	11,000	1,600	910	3,100	690	---	
9/7/2000	16.40	---	80.94		5,900 <sup>e</sup>	---	43,000 <sup>d</sup>	10,000	1,100	1,100	3,400	<450	1.04		
12/5/2000	15.55	---	81.79		2,600 <sup>e,g</sup>	---	69,000 <sup>d,g</sup>	16,000	1,300	1,300	3,400	<200	0.35	Not operating	

TABLE 2

**GROUNDWATER ELEVATIONS AND ANALYTICAL DATA  
FORMER EXXON SERVICE STATION  
3055 35<sup>th</sup> AVENUE  
OAKLAND, CALIFORNIA**

<i>Well ID</i>	<i>Date</i>	<i>GW Depth</i>	<i>SPH</i>	<i>GW Elev.</i>	<i>Note</i>	<i>TPHd</i>	<i>TPHmo</i>	<i>TPHg</i>	<i>Benzene</i>	<i>Toluene</i>	<i>Ethylbenzene</i>	<i>Xylenes</i>	<i>MTBE</i>	<i>DO</i>	<i>DPE System</i>
<i>TOC</i>		<i>(ft TOC)</i>	<i>(ft)</i>	<i>(ft msl)</i>		<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(mg/L)</i>	<i>Status</i>
MW-4 cont.	3/20/2001	14.03	---	83.31		---	---	46,000	13,000	1,000	900	2,800	<350	0.39	Not operating
	6/6/2001	15.49	---	81.85		5,400	---	75,000	22,000	1,800	1,900	6,400	<1,200	2.22	Not operating
	8/30/2001	18.00	---	79.34		3,200 <sup>d</sup>	---	43,000 <sup>a</sup>	6,400	630	510	2,600	<200	0.32	Operating
	12/7/2001	23.45	---	73.89		11,000 <sup>e,f,g</sup>	---	32,000 <sup>d,g</sup>	4,500	740	310	2,300	<200	0.21	Operating
	3/11/2002	14.95	---	82.39		1,600 <sup>e,f,k</sup>	---	15,000 <sup>d</sup>	3,700	500	92	790	<500	0.30	Operating
	6/10/2002	22.30	---	75.04		3,400 <sup>e</sup>	---	9,400 <sup>d</sup>	1,400	50	<5.0	690	<200	---	Operating
	9/26/2002	17.93	---	79.41		800 <sup>e</sup>	---	21,000 <sup>d</sup>	3,300	1,300	450	2,900	<500	0.24	Operating
	11/21/2002	17.55	---	79.79		2,400 <sup>e,k</sup>	---	5,700 <sup>d</sup>	1,400	290	63	640	550	---	Operating
	1/13/2003	11.75	Sheen <sup>Lab</sup>	85.59		15,000 <sup>e,f,g,k</sup>	---	35,000 <sup>d,g</sup>	5,100	1,500	510	4,500	<800	0.28	Not operating
	4/25/2003	19.37	---	77.97		2,200 <sup>e,f</sup>	---	6,600 <sup>d</sup>	960	130	100	560	<170	---	Operating
163.49	5/30/2003	13.56	---	83.78		---	---	---	---	---	---	---	---	---	Not operating
	9/3/2003	21.65	---	75.69		27,000 <sup>e,f</sup>	---	29,000 <sup>d</sup>	2,200	380	280	2,300	65	---	Operating
	12/2/2003	19.17	---	78.17		5,800 <sup>e,f</sup>	---	13,000 <sup>d</sup>	1,300	180	120	1,900	<250	---	Operating
	3/18/2004	14.92	---	82.42		1,500 <sup>e</sup>	---	5,300 <sup>d</sup>	1,300	55	37	440	<180	---	Operating
	6/16/2004	16.02	---	147.47		3,400 <sup>e,f</sup>	---	9,100 <sup>d</sup>	940	96	120	800	<50	---	Not operating
	9/27/2004	19.93	---	143.56		980 <sup>e,f,k</sup>	---	1,300 <sup>d</sup>	140	10	11	81	<50	0.68	Not operating
	12/27/2004	14.79	Sheen <sup>Lab</sup>	148.70		5,300 <sup>e,f,g,k</sup>	---	10,000 <sup>d,g</sup>	1,000	99	34	1,600	<50	0.74	Not operating
	3/7/2005	7.81	Sheen <sup>Field &amp;</sup>	155.68		9,300 <sup>e,f,g</sup>	---	15,000 <sup>d,g</sup>	1,100	140	88	1,900	<100	0.65	Not operating
	6/21/2005	11.82	Sheen <sup>Field &amp;</sup>	151.67		12,000 <sup>e,g</sup>	---	30,000 <sup>d,g</sup>	3,300	270	250	2,800	<500	---	Not operating
	9/21/2005	16.55	Sheen <sup>Field &amp;</sup>	146.94		15,000 <sup>e,f,k,g</sup>	---	12,000 <sup>d,g</sup>	540	100	54	1,800	<50	0.89	Not operating
	12/14/2005	14.43	Sheen <sup>Field &amp;</sup>	149.06		9,800 <sup>e,f,k,g</sup>	---	5,200 <sup>d,g</sup>	710	41	91	540	<50	0.91	Not operating
	3/22/2006	7.52	Sheen <sup>Field &amp;</sup>	155.97		9,300 <sup>e,f,k,g</sup>	---	17,000 <sup>d,g</sup>	2,000	230	150	1,900	<50	0.80	Not operating
	6/30/2006	15.00	Sheen <sup>Field &amp;</sup>	148.49		19,000 <sup>e,f,g</sup>	---	18,000 <sup>d,g</sup>	1,400	50	60	1,300	<100	0.85	Not operating
	9/5/2006	16.96	Sheen <sup>Field &amp;</sup>	146.53		9,400 <sup>e,f,k,g</sup>	---	30,000 <sup>d,g</sup>	1,400	180	110	4,300	<500	0.75	Not operating
	12/6/2006	15.95	Sheen <sup>Field &amp;</sup>	147.54		22,000 <sup>e,f,g</sup>	---	21,000 <sup>d,g</sup>	920	56	73	1,500	<100	0.71	Not operating
	3/16/2007	10.71	Sheen <sup>Field &amp;</sup>	152.78		2,700 <sup>e,f,k,g</sup>	---	13,000 <sup>d,g</sup>	1,400	32	93	740	<100	0.65	Not operating
	6/15/2007	15.43	Sheen <sup>Field &amp;</sup>	148.06		7,200 <sup>e,g</sup>	---	14,000 <sup>d,g</sup>	1,200	46	63	850	<110	0.61	Not operating
	9/6/2007	17.25	Sheen <sup>Field &amp;</sup>	146.24		8,400 <sup>e,f,k,g</sup>	---	27,000 <sup>d,g</sup>	1,500	150	120	4,500	<250	0.55	Not operating
	12/8/2007	15.15	Sheen <sup>Field &amp;</sup>	148.34		790 <sup>e,f,g</sup>	---	7,600 <sup>d,g</sup>	690	27	39	570	<80	0.72	Not operating
	3/9/2008	10.77	Sheen <sup>Field</sup>	152.72	(Z)	(3,000 <sup>e</sup> )	(<250)	(8,100 <sup>d</sup> )	(830)	(7.7)	(55)	(310)	(<50)	0.79	Not operating
6/14/2008	16.68	Sheen <sup>Field</sup>	146.81	(Z)	(4,200 <sup>e</sup> )	(<250)	(15,000 <sup>d</sup> )	(1,100)	(50)	(86)	(1,300)	(<150)	1.2	Not operating	
9/6/2008	17.27	Sheen <sup>Field &amp;</sup>	146.22	(Z <sup>TPHd</sup> )	(2,800 <sup>e,g</sup> )	---	24,000 <sup>d,g</sup>	1,400	65	130	2,300	<250	1.28	Not operating	
12/28/2008	13.35	Sheen <sup>Field &amp;</sup>	150.14	(Z <sup>TPHd</sup> )	(1,800 <sup>e,g</sup> )	<250	7,500 <sup>d,g</sup>	630	21	40	210	22 <sup>o</sup>	1.20	Not operating	
3/14/2009	9.30	Sheen <sup>Field</sup>	154.19	(Z <sup>TPHd</sup> )	2,800 <sup>e,f,k</sup> (3,200 <sup>e</sup> )	---	8,800 <sup>d</sup>	980	23	61	220	22 <sup>o</sup>	1.27	Not operating	



TABLE 2

GROUNDWATER ELEVATIONS AND ANALYTICAL DATA  
FORMER EXXON SERVICE STATION  
3055 35<sup>th</sup> 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
	6/21/2005	10.13	---	152.23		---	---	---	---	---	---	---	---	---	Not operating
	9/21/2005	15.13	---	147.23		---	---	---	---	---	---	---	---	---	Not operating
	12/14/2005	13.02	---	149.34		---	---	---	---	---	---	---	---	---	Not operating
	3/22/2006	5.85	---	156.51		---	---	---	---	---	---	---	---	---	Not operating
	6/30/2006	13.44	---	148.92		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2006	15.63	---	146.73		---	---	---	---	---	---	---	---	---	Not operating
	12/6/2006	14.63	---	147.73		---	---	---	---	---	---	---	---	---	Not operating
	3/16/2007	8.89	---	153.47		---	---	---	---	---	---	---	---	---	Not operating
	6/15/2007	13.90	---	148.46		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2007	15.92	---	146.44		---	---	---	---	---	---	---	---	---	Not operating
RW-6 cont.	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
	<b>9/5/2009</b>	<b>16.04</b>	<b>--</b>	<b>146.32</b>		<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	Not operating
RW-7 162.72	3/11/2002	---	---	---		<50	---	<50	<0.5	<0.5	<0.5	<0.5	<5.0	---	
	1/13/2003	10.95	---	---		67	---	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.22	
	3/18/2004	15.33	---	---		---	---	250	66	4.8	3.2	10	<15	--	
	6/16/2004	15.22	---	147.50		---	---	---	---	---	---	---	---	---	Not operating
	9/27/2004	18.98	---	143.74		---	---	---	---	---	---	---	---	---	Not operating
	12/27/2004	9.85	---	152.87		---	---	---	---	---	---	---	---	---	Not operating
	3/7/2005	5.82	---	156.90		---	---	---	---	---	---	---	---	---	Not operating
	6/21/2005	10.85	---	151.87		---	---	---	---	---	---	---	---	---	Not operating
	9/21/2005	15.70	---	147.02		---	---	---	---	---	---	---	---	---	Not operating
	12/14/2005	13.58	---	149.14		---	---	---	---	---	---	---	---	---	Not operating
	3/22/2006	5.75	---	156.97		---	---	---	---	---	---	---	---	---	Not operating
	6/30/2006	14.05	---	148.67		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2006	16.12	---	146.60		---	---	---	---	---	---	---	---	---	Not operating
	12/6/2006	15.13	---	147.59		---	---	---	---	---	---	---	---	---	Not operating
	3/16/2007	9.69	---	153.03		---	---	---	---	---	---	---	---	---	Not operating
	6/15/2007	14.54	---	148.18		---	---	---	---	---	---	---	---	---	Not operating

TABLE 2

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

Well ID TOC	Date	GW Depth (ft TOC)	SPH (ft)	GW Elev. (ft msl)	Note	TPHd (µg/L)	TPHmo (µg/L)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	DPE System Status
RW-7 cont.	9/6/2007	16.42	---	146.30		---	---	---	---	---	---	---	---	---	Not operating
	12/8/2007	14.46	---	148.26		---	---	---	---	---	---	---	---	---	Not operating
	3/9/2008	9.69	---	153.03		---	---	---	---	---	---	---	---	---	Not operating
	6/14/2008	15.80	---	146.92		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2008	16.51	---	146.21		---	---	---	---	---	---	---	---	---	Not operating
	12/28/2008	12.62	---	150.10		---	---	---	---	---	---	---	---	---	Not operating
	3/14/2009	7.94	---	154.78		---	---	---	---	---	---	---	---	---	Not operating
	6/7/2009	13.91	---	148.81		---	---	---	---	---	---	---	---	---	Not operating
	<b>9/5/2009</b>	<b>16.55</b>	--	<b>146.17</b>		--	--	--	--	--	--	--	--	--	Not operating
RW-8 164.13	3/11/2002	---	---	---		80	---	1,300	620	11	15	14	<60	---	
	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
	9/6/2007	17.63	---	146.50		---	---	---	---	---	---	---	---	---	Not operating
	12/8/2007	15.60	---	148.53		---	---	---	---	---	---	---	---	---	Not operating
	3/9/2008	11.05	---	153.08		---	---	---	---	---	---	---	---	---	Not operating
	6/14/2008	17.07	---	147.06		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2008	17.70	---	146.43		---	---	---	---	---	---	---	---	---	Not operating
	12/28/2008	13.80	---	150.33		---	---	---	---	---	---	---	---	---	Not operating
	3/14/2009	9.25	---	154.88		---	---	---	---	---	---	---	---	---	Not operating
	6/7/2009	15.20	---	148.93		---	---	---	---	---	---	---	---	---	Not operating
	<b>9/5/2009</b>	<b>17.80</b>	--	<b>146.33</b>		--	--	--	--	--	--	--	--	--	Not operating



TABLE 2

**GROUNDWATER ELEVATIONS AND ANALYTICAL DATA  
FORMER EXXON SERVICE STATION  
3055 35<sup>th</sup> AVENUE  
OAKLAND, CALIFORNIA**

Well ID TOC	Date	GW Depth (ft TOC)	SPH (ft)	GW Elev. (ft msl)	Note	TPHd (µg/L)	TPHmo (µg/L)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	DPE System Status
RW-9	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 <sup>e</sup>	---	9,000 <sup>d</sup>	2,600	69	200	550	<500	0.91	Not operating
	6/21/2005	11.90	---	151.96		630 <sup>e</sup>	---	9,400 <sup>d</sup>	2,400	69	210	470	<350	---	Not operating
	9/21/2005	16.62	Sheen <sup>Lab</sup>	147.24		820 <sup>e,f,g</sup>	---	8,300 <sup>d,g</sup>	2,500	36	190	310	<170	1.04	Not operating
	12/14/2005	14.52	---	149.34		1,100 <sup>e,f</sup>	---	6,300 <sup>d</sup>	1,900	29	150	260	<50	0.98	Not operating
	3/22/2006	7.63	---	156.23		680 <sup>e</sup>	---	7,600 <sup>d</sup>	2,900	59	190	310	<200	0.95	Not operating
	6/30/2006	15.04	---	148.82		1,400 <sup>e</sup>	---	14,000 <sup>d</sup>	3,100	53	130	260	<300	0.73	Not operating
	9/5/2006	17.02	---	146.84		1,100 <sup>e</sup>	---	14,000 <sup>d</sup>	3,900	39	200	230	<330	0.69	Not operating
	12/6/2006	16.04	Sheen <sup>Lab</sup>	147.82		660 <sup>e,g</sup>	---	13,000 <sup>d,g</sup>	3,000	29	180	260	<250	0.74	Not operating
	3/16/2007	10.83	Sheen <sup>Lab</sup>	153.03		1,200 <sup>e</sup>	---	16,000 <sup>d,g</sup>	3,700	76	230	340	<350	0.71	Not operating
	6/15/2007	15.48	---	148.38		670 <sup>e</sup>	---	12,000 <sup>d</sup>	3,000	44	170	220	<250	0.68	Not operating
	9/6/2007	17.29	Sheen <sup>Field &amp;</sup>	146.57		2,200 <sup>e,f,g</sup>	---	13,000 <sup>d,g</sup>	2,700	61	240	350	<400	0.66	Not operating
	12/8/2007	15.22	Sheen <sup>Field</sup>	148.64		1,000 <sup>e,f</sup>	---	9,300 <sup>d</sup>	2,900	24	150	170	<250	0.89	Not operating
	3/9/2008	10.86	---	153.00	(Z)	(570 <sup>e</sup> )	(<250)	(10,000 <sup>d</sup> )	(4,200)	(71)	(180)	(380)	(<35)	0.86	Not operating
	6/14/2008	16.71	---	147.15	(Z)	(610)	(<250)	(8,100 <sup>d</sup> )	(2,800)	(33)	(100)	(220)	(<210)	1.29	Not operating
	9/6/2008	17.31	Sheen <sup>Lab</sup>	146.55	(Z <sup>TPHd</sup> )	(1,600 <sup>e,g</sup> )	---	13,000 <sup>d,g</sup>	3,600	52	170	220	<350	1.22	Not operating
	12/28/2008	13.41	Sheen <sup>Field</sup>	150.45	(Z <sup>TPHd</sup> )	(950 <sup>e</sup> )	<250	7,300 <sup>d</sup>	3,500	24	150	200	30 <sup>o</sup>	1.28	Not operating
	3/14/2009	8.97	Sheen <sup>Field</sup>	154.89	(Z <sup>TPHd</sup> )	450 <sup>e</sup> (440 <sup>e</sup> )	---	14,000 <sup>d</sup>	3,600	71	190	380	31 <sup>o</sup>	1.21	Not operating
	6/7/2009	14.90	Sheen <sup>Field &amp;</sup>	148.96	(Z <sup>TPHd</sup> )	4,800 <sup>m,f</sup> (910) <sup>e</sup>	---	12,000 <sup>d</sup>	3,500	87	150	330	30 <sup>o</sup>	1.19	Not operating
	<b>9/5/2009</b>	<b>17.40</b>	<b>--</b>	<b>146.46</b>	(Z <sup>TPHd</sup> )	<b>3,000<sup>f,m</sup> (1,100)</b>	<b>--</b>	<b>8,300<sup>d</sup></b>	<b>3,100</b>	<b>32</b>	<b>5.5</b>	<b>69</b>	<b>(25)<sup>o</sup></b>	<b>1.02</b>	Not operating
RW-10	3/11/2002	---	---	---		740	---	12,000	3,900	150	110	1,100	<270	---	
163.02	1/13/2003	10.75	---	---		330	---	4,300	1,500	43	98	98	<100	0.41	
	3/18/2004	13.13	---	---		---	---	5,800	2,400	11	<10	110	<300	---	
	6/16/2004	15.03	---	147.99		---	---	---	---	---	---	---	---	---	Not operating
	9/27/2004	18.35	---	144.67		---	---	---	---	---	---	---	---	---	Not operating
	12/27/2004	19.39	---	143.63		---	---	---	---	---	---	---	---	---	Not operating
	3/7/2005	6.40	---	156.62		---	---	---	---	---	---	---	---	---	Not operating
	6/21/2005	10.95	---	152.07		---	---	---	---	---	---	---	---	---	Not operating

TABLE 2

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

Well ID TOC	Date	GW Depth (ft TOC)	SPH (ft)	GW Elev. (ft msl)	Note	TPHd (µg/L)	TPHmo (µg/L)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	DPE System Status
RW-10 cont.	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
	<b>9/5/2009</b>	<b>16.36</b>	<b>--</b>	<b>146.66</b>		<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	Not operating
RW-11 162.57	3/11/2002	---	---	---		<50	---	260	34	5.3	8.1	48	<5.0	---	
	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
	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

TABLE 2

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

Well ID TOC	Date	GW Depth (ft TOC)	SPH (ft)	GW Elev. (ft msl)	Note	TPHd (µg/L)	TPHmo (µg/L)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	DPE System Status
RW-11 cont.	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
	<b>9/5/2009</b>	<b>16.02</b>	--	<b>146.55</b>		--	--	--	--	--	--	--	--	--	Not operating
RW-12 163.06	3/11/2002	---	---	---		900	---	13,000	4,500	130	130	270	<5.0	---	
	1/13/2003	10.90	---	---		1,800	---	4,100	1,000	130	99	99	<100	0.21	
	3/18/2004	13.63	---	---		---	---	17,000	2,700	960	230	1,500	1,400	---	
	6/16/2004	15.30	---	147.76		---	---	---	---	---	---	---	---	---	Not operating
	9/27/2004	19.09	---	143.97		---	---	---	---	---	---	---	---	---	Not operating
	12/27/2004	10.85	---	152.21		---	---	---	---	---	---	---	---	---	Not operating
	3/7/2005	6.59	---	156.47		---	---	---	---	---	---	---	---	---	Not operating
	6/21/2005	10.58	---	152.48		---	---	---	---	---	---	---	---	---	Not operating
	9/21/2005	15.63	---	147.43		---	---	---	---	---	---	---	---	---	Not operating
	12/14/2005	13.43	---	149.63		---	---	---	---	---	---	---	---	---	Not operating
	3/22/2006	6.35	---	156.71		---	---	---	---	---	---	---	---	---	Not operating
	6/30/2006	13.95	---	149.11		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2006	16.11	---	146.95		---	---	---	---	---	---	---	---	---	Not operating
	12/6/2006	15.11	---	147.95		---	---	---	---	---	---	---	---	---	Not operating
	3/16/2007	9.52	---	153.54		---	---	---	---	---	---	---	---	---	Not operating
	6/15/2007	14.44	---	148.62		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2007	16.42	---	146.64		---	---	---	---	---	---	---	---	---	Not operating
	12/8/2007	14.87	---	148.19		---	---	---	---	---	---	---	---	---	Not operating
	3/9/2008	9.43	---	153.63		---	---	---	---	---	---	---	---	---	Not operating
	6/14/2008	15.74	---	147.32		---	---	---	---	---	---	---	---	---	Not operating
	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
	<b>9/5/2009</b>	<b>16.59</b>	--	<b>146.47</b>		--	--	--	--	--	--	--	--	--	Not operating

TABLE 2

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

Well ID TOC	Date	GW Depth (ft TOC)	SPH (ft)	GW Elev. (ft msl)	Note	TPHd (µg/L)	TPHmo (µg/L)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	DPE System Status
RW-13	3/11/2002	---	---	---		79	---	830	190	13	13	34	<5.0	---	
164.34	1/13/2003	11.20	---	---		92	---	210	54	2.0	2.7	2.7	<5.0	0.35	
	3/18/2004	13.45	---	---		---	---	150	47	1.0	2.1	1.5	<5.0	---	
	6/16/2004	15.83	---	148.51		---	---	---	---	---	---	---	---	---	Not operating
	9/27/2004	19.55	---	144.79		---	---	---	---	---	---	---	---	---	Not operating
	12/27/2004	18.12	---	146.22		---	---	---	---	---	---	---	---	---	Not operating
	3/7/2005	6.90	---	157.44		---	---	---	---	---	---	---	---	---	Not operating
	6/21/2005	11.05	---	153.29		---	---	---	---	---	---	---	---	---	Not operating
	9/21/2005	16.20	---	148.14		---	---	---	---	---	---	---	---	---	Not operating
	12/14/2005	14.11	---	150.23		---	---	---	---	---	---	---	---	---	Not operating
	3/22/2006	6.65	---	157.69		---	---	---	---	---	---	---	---	---	Not operating
	6/30/2006	14.44	---	149.90		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2006	16.62	---	147.72		---	---	---	---	---	---	---	---	---	Not operating
	12/6/2006	15.70	---	148.64		---	---	---	---	---	---	---	---	---	Not operating
	3/16/2007	9.93	---	154.41		---	---	---	---	---	---	---	---	---	Not operating
	6/15/2007	14.98	---	149.36		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2007	16.95	---	147.39		---	---	---	---	---	---	---	---	---	Not operating
	12/8/2007	14.97	---	149.37		---	---	---	---	---	---	---	---	---	Not operating
	3/9/2008	9.85	---	154.49		---	---	---	---	---	---	---	---	---	Not operating
	6/14/2008	16.32	---	148.02		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2008	17.10	---	147.24		---	---	---	---	---	---	---	---	---	Not operating
	12/28/2008	13.26	---	151.08		---	---	---	---	---	---	---	---	---	Not operating
	3/14/2009	8.16	---	156.18		---	---	---	---	---	---	---	---	---	Not operating
	6/7/2009	14.31	---	150.03		---	---	---	---	---	---	---	---	---	Not operating
	<b>9/5/2009</b>	<b>17.10</b>	<b>--</b>	<b>147.24</b>		<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	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

**GROUNDWATER ELEVATIONS AND ANALYTICAL DATA  
FORMER EXXON SERVICE STATION  
3055 35<sup>th</sup> 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
	12/14/2005	13.73	---	150.03		---	---	---	---	---	---	---	---	---	Not operating
RW-14	3/22/2006	6.43	---	157.33		---	---	---	---	---	---	---	---	---	Not operating
cont.	6/30/2006	14.10	---	149.66		---	---	---	---	---	---	---	---	---	Not operating
	9/5/2006	16.21	---	147.55		---	---	---	---	---	---	---	---	---	Not operating
	12/6/2006	15.31	---	148.45		---	---	---	---	---	---	---	---	---	Not operating
	3/16/2007	9.66	---	154.10		---	---	---	---	---	---	---	---	---	Not operating
	6/15/2007	14.61	---	149.15		---	---	---	---	---	---	---	---	---	Not operating
	9/6/2007	16.54	---	147.22		---	---	---	---	---	---	---	---	---	Not operating
	12/8/2007	14.57	---	149.19		---	---	---	---	---	---	---	---	---	Not operating
	3/9/2008	9.60	---	154.16		---	---	---	---	---	---	---	---	---	Not operating
	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
	<b>9/5/09</b>	<b>16.71</b>	<b>--</b>	<b>147.05</b>		<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	Not operating

**Abbreviations, Methods and Notes:**

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

All site wells were re-surveyed by Virgil Chavez Land Surveying on June 2, 2004 to the CA State

Coordinate System, Zone III (NAD83). Benchmark elevation = 177.397 feet (NGVD 29)

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

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

ft = Measured in feet

SPH = Separate-phase hydrocarbons depth measured from TOC.

(Z) = Laboratory used Zemo Gravity Separation Protocol for Extractables & Purgeables

(Z<sup>TPHd</sup>) = 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, by SW8260B in (parentheses)

DO = Dissolved oxygen

**GROUNDWATER ELEVATIONS AND ANALYTICAL DATA  
FORMER EXXON SERVICE STATION  
3055 35<sup>th</sup> AVENUE  
OAKLAND, CALIFORNIA**

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

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

a = Result has an atypical pattern for diesel analysis

b = Result appears to be a lighter hydrocarbon than diesel

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

d = Unmodified or weakly modified gasoline is significant

e = Gasoline range compounds are significant

f = Diesel range compounds are significant; no recognizable pattern

g = Lighter than water immiscible sheen/product is present

h = One to a few isolated peaks present

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

j = Aged diesel is significant

k = Oil range compounds are significant

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

m = Stoddard solvent/mineral spirit

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

o = MTBE by EPA Method SW8260B

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

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

<i>Well ID</i>	<i>Date</i>	<i>GW Depth</i>	<i>GW Elev.</i>	<i>TAME</i>	<i>TBA</i>	<i>EDB</i>	<i>1,2-DCA</i>	<i>DIPE</i>	<i>ETBE</i>	<i>Notes</i>
<i>TOC</i>		<i>(ft TOC)</i>	<i>(ft msl)</i>	<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(µg/L)</i>	<i>(µg/L)</i>	
MW-1	9/6/2008	20.66	146.36	<1.2	59	<1.2	<1.2	<1.2	<1.2	
167.02	12/28/2008	16.57	150.45	<1.7	59	<1.7	<1.7	<1.7	<1.7	
	3/14/2009	12.57	154.45	<2.5	58	<2.5	<2.5	<2.5	<2.5	
	6/7/2009	17.17	149.85	<1.0	71	<1.0	<1.0	<1.0	<1.0	
	9/5/2009	19.78	147.24	<0.5	120	<0.5	<0.5	<0.5	<0.5	
MW-2	9/6/2008	19.41	146.73	<2.5	92	<2.5	<2.5	<2.5	<2.5	a
166.14	12/28/2008	15.73	150.41	<2.5	110	<2.5	<2.5	<2.5	<2.5	
	3/14/2009	10.52	155.62	<5.0	170	<5.0	<5.0	<5.0	<5.0	
	6/7/2009	16.64	149.50	<1.7	110	<1.7	<1.7	<1.7	<1.7	a
	9/5/2009	19.41	146.73	<5.0	130	<5.0	<5.0	<5.0	<5.0	a
MW-3	9/6/2008	16.65	146.29	<17	360	<17	<17	<17	<17	a
162.94	12/28/2008	12.72	150.22	<10	190	<10	<10	<10	<10	a
	3/14/2009	9.02	153.92	<12	210	<12	<12	<12	<12	
	6/7/2009	13.94	149.00	<1.7	240	<1.7	4.0	<1.7	<1.7	a
	9/5/2009	16.67	146.27	<5.0	300	<5.0	<5.0	<5.0	<5.0	a
MW-4	9/6/2008	17.27	146.22	<2.5	63	<2.5	<2.5	<2.5	<2.5	a
163.49	12/28/2008	13.35	150.14	<2.5	55	<2.5	<2.5	<2.5	<2.5	a
	3/14/2009	9.30	154.19	<2.5	67	<2.5	<2.5	<2.5	<2.5	
	6/7/2009	14.83	148.66	<5.0	76	<5.0	<5.0	<5.0	<5.0	a
	9/5/2009	17.39	146.10	<0.5	88	<0.5	<0.5	<0.5	<0.5	
RW-5	9/6/2008	16.01	146.33	<2.5	410	<2.5	<2.5	<2.5	<2.5	
162.34	12/28/2008	10.55	151.79	<2.5	77	<2.5	<2.5	<2.5	<2.5	
	3/14/2009	6.82	155.52	<1.0	76	<1.0	<1.0	<1.0	<1.0	
	6/7/2009	13.19	149.15	<2.5	180	<2.5	<2.5	<2.5	<2.5	
	9/5/2009	16.00	146.34	<1.0	150	<1.0	<1.0	<1.0	<1.0	
RW-9	9/6/2008	17.31	146.55	<10	230	<10	<10	<10	<10	a
163.86	12/28/2008	13.41	150.45	<5.0	190	<5.0	<5.0	<5.0	<5.0	
	3/14/2009	8.97	154.89	<10	210	<10	<10	<10	<10	
	6/7/2009	14.90	148.96	<5.0	220	<5.0	<5.0	<5.0	<5.0	a
	9/5/2009	17.40	146.46	<1.7	240	<1.7	<1.7	<1.7	<1.7	

**Abbreviations and Notes:**

TOC = Top of casing

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

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

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

ft TOC = Feet below top of casing

ft msl = Feet above mean sea level

µg/L = Micrograms per liter

TAME = Tert-amyl methyl ether by EPA Method SW8260B

TBA = t-Butyl alcohol by EPA Method SW8260B

EDB = 1,2-Dibromoethane by EPA Method SW8260B

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

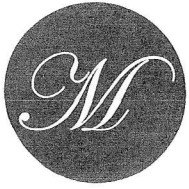
DIPE = Diisopropyl ether by EPA Method SW8260B

ETBE = Ethyl tert-butyl ether by EPA Method SW8260B


a = Lighter than water immiscible sheen/product is present

APPENDIX A  
FIELD DATA SHEETS





## WELL GAUGING SHEET

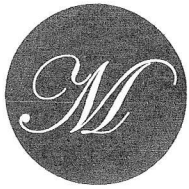
Client: Conestoga-Rovers and Associates						P510f2
Site Address: 3055 35th Avenue, Oakland, CA						
Date: 9/5/2009			Signature: 			
Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-1	7:55		19.78		27.35	
MW-2	8:40		19.41		27.60	
MW-3	8:15		16.67		25.10	
MW-4	8:05		17.39		30.30	
RW-5	8:25		16.00		25.65	
RW-6	8:20		16.04		25.35	
RW-7	8:10		16.55		29.19	
<del>RW</del> -8	8:00		17.80		29.00	
RW-9	7:50		17.40		25.20	
RW-10	7:45		16.36		24.95	
RW-11	8:30		16.02		24.95	






## WELL SAMPLING FORM

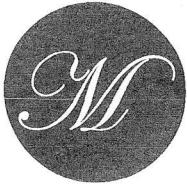
<b>Date:</b>		9/5/2009				
<b>Client:</b>		Conestoga-Rovers and Associates				
<b>Site Address:</b>		3055 35th Avenue, Oakland, CA				
<b>Well ID:</b>		MW-1				
<b>Well Diameter:</b>		4"				
<b>Purging Device:</b>		3" Disposable Bailer				
<b>Sampling Method:</b>		Disposable Bailer				
<b>Total Well Depth:</b>		27.35	Fe= mg/L			
<b>Depth to Water:</b>		19.78	ORP= mV			
<b>Water Column Height:</b>		7.57	DO= 1.22 mg/L			
<b>Gallons/ft:</b>		0.65				
<b>1 Casing Volume (gal):</b>		4.92	<b>COMMENTS:</b> very turbid, very silty well 10:00AM purged 6gallons dewatered 11:53 AM DTW = 24.12 did not recharge 80%			
<b>3 Casing Volumes (gal):</b>		14.76				
<b>TIME:</b>	<b>CASING VOLUME (gal)</b>	<b>TEMP (Celsius)</b>			<b>pH</b>	<b>COND. (μS)</b>
9:45	5.0	20.3			7.51	1335
10:00	<del>10.0</del> 6gallons dewatered					
	<del>15.0</del>					
<b>Sample ID:</b>	<b>Sample Date:</b>	<b>Sample Time:</b>	<b>Container Type</b>	<b>Preservative</b>	<b>Analytes</b>	<b>Method</b>
MW-1	9/5/09	11:55	1L Amber, 40 ml VOA	HCl, ICE	TPHd, TPHg, BTEX, MTBE, TAME, DIPE, ETBE, TBA, EDB, EDC	8015, 8021, 8260, with and without ZEMO
<b>Signature:</b>						




## WELL SAMPLING FORM

Date:		9/5/2009				
Client:		Conestoga-Rovers and Associates				
Site Address:		3055 35th Avenue, Oakland, CA				
Well ID:		MW-2				
Well Diameter:		4"				
Purging Device:		3" Disposable Bailer				
Sampling Method:		Disposable Bailer				
Total Well Depth:		27.60		Fe= mg/L		
Depth to Water:		19.41		ORP= mV		
Water Column Height:		8.19		DO= 0.95 mg/L		
Gallons/ft:		0.65				
1 Casing Volume (gal):		5.32		<b>COMMENTS:</b> very turbid, silty 11:30 AM purged 7 gallons well dewatered 12:33 pm DTW = 20.98		
3 Casing Volumes (gal):		15.96				
TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH			COND. (µS)
11:25	5.5	20.4	7.29	1092		
11:30	<del>11.0</del> 7 gallons dewatered					
	<del>16.0</del>					
Sample ID:	Sample Date:	Sample Time:	Container Type	Preservative	Analytes	Method
MW-2	9/5/09	12:35	1L Amber, 40 ml VOA	HCl, ICE	TPHd, TPHg, BTEX, MTBE, TAME, DIPE, ETBE, TBA, EDB, EDC	8015, 8021, 8260, with and without ZEMO
Signature:						





## WELL SAMPLING FORM

<b>Date:</b>		9/5/2009				
<b>Client:</b>		Conestoga-Rovers and Associates				
<b>Site Address:</b>		3055 35th Avenue, Oakland, CA				
<b>Well ID:</b>		MW-4				
<b>Well Diameter:</b>		2"				
<b>Purging Device:</b>		Disposable Bailer				
<b>Sampling Method:</b>		Disposable Bailer				
<b>Total Well Depth:</b>		30.30	<b>Fe=</b> mg/L			
<b>Depth to Water:</b>		17.39	<b>ORP=</b> mV			
<b>Water Column Height:</b>		12.91	<b>DO=</b> 1.01 mg/L			
<b>Gallons/ft:</b>		0.16				
<b>1 Casing Volume (gal):</b>		2.06	<b>COMMENTS:</b> very turbid, very silty			
<b>3 Casing Volumes (gal):</b>		6.18				
<b>TIME:</b>	<b>CASING VOLUME (gal)</b>	<b>TEMP (Celsius)</b>		<b>pH</b>		
		<b>COND. (µS)</b>				
10:15	2.0	19.7	7.40			
10:20	4.0	19.5	7.48			
10:25	6.0	19.9	7.42			
<b>Sample ID:</b>	<b>Sample Date:</b>	<b>Sample Time:</b>	<b>Container Type</b>	<b>Preservative</b>	<b>Analytes</b>	<b>Method</b>
MW-4	9/5/09	10:30	1L Amber, 40 ml VOA	HCl, ICE	TPHd, TPHg, BTEX, MTBE, TAME, DIPE, ETBE, TBA, EDB, EDC	8015, 8021, 8260, with and without ZEMO
<b>Signature:</b>						



## WELL SAMPLING FORM

<b>Date:</b>		9/5/2009				
<b>Client:</b>		Conestoga-Rovers and Associates				
<b>Site Address:</b>		3055 35th Avenue, Oakland, CA				
<b>Well ID:</b>		RW-5				
<b>Well Diameter:</b>		4"				
<b>Purging Device:</b>		3' Disposable Bailer				
<b>Sampling Method:</b>		Disposable Bailer				
<b>Total Well Depth:</b>		25.65	Fe= mg/L			
<b>Depth to Water:</b>		16.00	ORP= mV			
<b>Water Column Height:</b>		9.65	DO= 1.05 mg/L			
<b>Gallons/ft:</b>		0.65				
<b>1 Casing Volume (gal):</b>		6.27	<b>COMMENTS:</b> very turbid, very silty 11:10AM purged 9 gallons well dewatered 12:14PM DTW = 18.05			
<b>3 Casing Volumes (gal):</b>		18.81				
<b>TIME:</b>	<b>CASING VOLUME (gal)</b>	<b>TEMP (Celsius)</b>		<b>pH</b>		
	<b>COND. (µS)</b>					
11:05	6.5	19.9	7.15	1072		
11:10	<del>13.0</del>	9 gallons dewatered				
	<del>14.0</del>					
<b>Sample ID:</b>	<b>Sample Date:</b>	<b>Sample Time:</b>	<b>Container Type</b>	<b>Preservative</b>	<b>Analytes</b>	<b>Method</b>
RW-5	9/5/09	12:15	1L Amber, 40 ml VOA	HCl, ICE	TPHd, TPHg, BTEX, MTBE, TAME, DIPE, ETBE, TBA, EDB, EDC	8015, 8021, 8260, with and without ZEMO
<b>Signature:</b>						



## WELL SAMPLING FORM

<b>Date:</b>		9/5/2009				
<b>Client:</b>		Conestoga-Rovers and Associates				
<b>Site Address:</b>		3055 35th Avenue, Oakland, CA				
<b>Well ID:</b>		RW-9				
<b>Well Diameter:</b>		4"				
<b>Purging Device:</b>		3 Disposable Bailer				
<b>Sampling Method:</b>		Disposable Bailer				
<b>Total Well Depth:</b>		25.20	Fe=	mg/L		
<b>Depth to Water:</b>		17.40	ORP=	mV		
<b>Water Column Height:</b>		7.80	DO= 1.02	mg/L		
<b>Gallons/ft:</b>		0.65				
<b>1 Casing Volume (gal):</b>		5.07	<b>COMMENTS:</b> very turbid, silty 9:30 AM purged 9 gallons well dewatered 11:43pm DTW= 21.68 did not recharge 80%			
<b>3 Casing Volumes (gal):</b>		15.21				
<b>TIME:</b>	<b>CASING VOLUME (gal)</b>	<b>TEMP (Celsius)</b>			<b>pH</b>	<b>COND. (µS)</b>
9:20	5.0	19.8	7.64	1310		
9:30	<del>10.0</del> 15.0	9 gallons	dewatered			
<b>Sample ID:</b>	<b>Sample Date:</b>	<b>Sample Time:</b>	<b>Container Type</b>	<b>Preservative</b>	<b>Analytes</b>	<b>Method</b>
RW-9	9/5/09	11:45	1L Amber, 40 ml VOA	HCl, ICE	TPHd, TPHg, BTEX, MTBE, TAME, DIPE, ETBE, TBA, EDB, EDC	8015, 8021, 8260, with and without ZEMO
<b>Signature:</b>						





APPENDIX B

CERTIFIED ANALYTICAL REPORTS AND  
CHAIN-OF-CUSTODY DOCUMENTATION



**McC Campbell Analytical, Inc.**

"When Quality Counts"

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

Conestoga-Rovers & Associates 5900 Hollis St, Suite A Emeryville, CA 94608	Client Project ID: #130105; Golden Empire Property	Date Sampled: 09/05/09
	Client Contact: Mark Jonas	Date Received: 09/08/09
	Client P.O.:	Date Reported: 09/15/09
		Date Completed: 09/15/09

**WorkOrder: 0909177**

September 15, 2009

Dear Mark:

Enclosed within are:

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

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

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

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius  
Laboratory Manager  
McC Campbell Analytical, Inc.

0909177



**McCAMPBELL ANALYTICAL, INC.**  
 1534 WILLOW PASS ROAD  
 PITTSBURG, CA 94565-1701  
 Website: [www.mccampbell.com](http://www.mccampbell.com) Email: [main@mccampbell.com](mailto:main@mccampbell.com)  
 Telephone: (877) 252-9262 Fax: (925) 252-9269

**CHAIN OF CUSTODY RECORD**  
 TURN AROUND TIME  RUSH 24 HR  48 HR  72 HR  5 DAY  
 GeoTracker EDF  PDF  Excel  Write On (DW)  
 Check if sample is effluent and "J" flag is required

Report To: Mark Jonas Bill To: Comestoga-Revers & Associates  
 Company: Comestoga-Revers & Associates  
5900 Hollis St. Ste. A  
Emeryville, CA  
 E-Mail: mjonas@crworld.com  
chee@crworld.com  
 Tele: (510) 420-3304 Fax: (510) 420-9170  
 Project #: 130105 Project Name: Golden Empire  
 Project Location: 3055 35th Ave., Oakland, CA  
 Sampler Signature: Muskan Environmental Sampling

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED		Analysis Request	Other	Comments	
		Date	Time			Water	Soil	Air	Sludge	Other	ICE	HCL				HNO <sub>3</sub>
MW-1		9/5/09	11:55	4	VDA Amb	X						X	X			X
MW-2			12:35													
MW-3			12:02													
MW-4			10:30													
RN-5			12:15													
RN-9			11:45			X						X	X			X

BTEX & TPH as Gas (602 / 8021 / 8015) / ~~8015~~  
 TPH as Diesel (8015) with silica gel  
clean up  
 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 (CI Pesticides)  
 EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners  
 EPA 507 / 8141 (NP Pesticides)  
 EPA 515 / 8151 (Acidic CI 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)

MTBE, TAME, DIBP, FTBT, TBA, EDB, EDX by 8260s

Filter Samples for Metals analysis: Yes / No

Relinquished By: [Signature] Date: 9/8/09 Time: 12:16 Received By: [Signature]  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received By: \_\_\_\_\_  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received By: \_\_\_\_\_

ICE/° 100  
 GOOD CONDITION   
 HEAD SPACE ABSENT   
 DECHLORINATED IN LAB   
 APPROPRIATE CONTAINERS   
 PRESERVED IN LAB \_\_\_\_\_

COMMENTS: TPHd with & without zero Gravity Separation Protocol

VOAS  O&G METALS OTHER  
 PRESERVATION  pH<2

# McC Campbell Analytical, Inc.



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

# CHAIN-OF-CUSTODY RECORD

WorkOrder: 0909177

ClientCode: CETE

WaterTrax   
  WriteOn   
  EDF   
  Excel   
  Fax   
  Email   
  HardCopy   
  ThirdParty   
  J-flag

Report to:	Mark Jonas	Email: mjonas@CRAworld.com, chee@crowor	Bill to:	Accounts Payable	Requested TAT: <b>5 days</b>
	Conestoga-Rovers & Associates	cc:		Conestoga-Rovers & Associates	<i>Date Received: 09/08/2009</i>
	5900 Hollis St, Suite A	PO:		5900 Hollis St, Ste. A	<i>Date Printed: 09/08/2009</i>
	Emeryville, CA 94608	ProjectNo: #130105; Golden Empire Property		Emeryville, CA 94608	
	(510) 420-0700    FAX (510) 420-9170				

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
0909177-001	MW-1	Water	9/5/2009 11:55	<input type="checkbox"/>	D	A	A	B	C							
0909177-002	MW-2	Water	9/5/2009 12:35	<input type="checkbox"/>	D	A		B	C							
0909177-003	MW-3	Water	9/5/2009 12:02	<input type="checkbox"/>	D	A		B	C							
0909177-004	MW-4	Water	9/5/2009 10:30	<input type="checkbox"/>	D	A		B	C							
0909177-005	RW-5	Water	9/5/2009 12:15	<input type="checkbox"/>	D	A		B	C							
0909177-006	RW-9	Water	9/5/2009 11:45	<input type="checkbox"/>	D	A		B	C							

**Test Legend:**

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

Prepared by: Maria Venegas

**Comments:**

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



### Sample Receipt Checklist

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

Date and Time Received: **9/8/2009 12:25:18 PM**

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

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

WorkOrder N°: **0909177** 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: 1.8°C NA
  - Water - VOA vials have zero headspace / no bubbles? Yes  No  No VOA vials submitted
  - Sample labels checked for correct preservation? Yes  No
  - TTLC Metal - pH acceptable upon receipt (pH<2)? Yes  No  NA
  - Samples Received on Ice? Yes  No
- (Ice Type: WET ICE )

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

-----

Client contacted:

Date contacted:

Contacted by:

Comments:



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Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #130105; Golden Empire Property	Date Sampled: 09/05/09
	Client Contact: Mark Jonas	Date Received: 09/08/09
	Client P.O.:	Date Extracted: 09/10/09-09/11/09
		Date Analyzed: 09/10/09-09/11/09

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

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0909177

Lab ID	0909177-001D	0909177-002D	0909177-003D	0909177-004D	Reporting Limit for DF =1	
Client ID	MW-1	MW-2	MW-3	MW-4		
Matrix	W	W	W	W		
DF	1	10	10	1		

Compound	Concentration				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND	ND<5.0	ND<5.0	ND	NA	0.5
t-Butyl alcohol (TBA)	120	130	300	88	NA	2.0
1,2-Dibromoethane (EDB)	ND	ND<5.0	ND<5.0	ND	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND<5.0	ND<5.0	ND	NA	0.5
Diisopropyl ether (DIPE)	ND	ND<5.0	ND<5.0	ND	NA	0.5
Ethyl tert-butyl ether (ETBE)	ND	ND<5.0	ND<5.0	ND	NA	0.5
Methyl-t-butyl ether (MTBE)	37	77	80	30	NA	0.5

### Surrogate Recoveries (%)

%SS1:	89	94	91	92	
-------	----	----	----	----	--

<b>Comments</b>		b6	b6		
-----------------	--	----	----	--	--

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

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

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

b6) lighter than water immiscible sheen/product is present



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Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #130105; Golden Empire Property	Date Sampled: 09/05/09
	Client Contact: Mark Jonas	Date Received: 09/08/09
	Client P.O.:	Date Extracted: 09/10/09-09/11/09
		Date Analyzed: 09/10/09-09/11/09

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

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0909177

Lab ID	0909177-005D	0909177-006D			Reporting Limit for DF =1
Client ID	RW-5	RW-9			
Matrix	W	W			
DF	2	3.3			

Compound	Concentration				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND<1.0	ND<1.7			NA	0.5
t-Butyl alcohol (TBA)	150	240			NA	2.0
1,2-Dibromoethane (EDB)	ND<1.0	ND<1.7			NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<1.0	ND<1.7			NA	0.5
Diisopropyl ether (DIPE)	ND<1.0	ND<1.7			NA	0.5
Ethyl tert-butyl ether (ETBE)	ND<1.0	ND<1.7			NA	0.5
Methyl-t-butyl ether (MTBE)	50	25			NA	0.5

### Surrogate Recoveries (%)

%SS1:	77	92		
-------	----	----	--	--

### Comments

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

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

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

b6) lighter than water immiscible sheen/product is present





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Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #130105; Golden Empire Property	Date Sampled: 09/05/09
	Client Contact: Mark Jonas	Date Received: 09/08/09
	Client P.O.:	Date Extracted: 09/10/09-09/12/09
		Date Analyzed: 09/10/09-09/12/09

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

Extraction method: SW5030B

Analytical methods: SW8021B/8015Bm

Work Order: 0909177

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	Comments
001A	MW-1	W	5800	---	1400	21	60	150	10	118	d1
002A	MW-2	W	12,000	---	1500	30	170	220	20	114	d1,b6
003A	MW-3	W	32,000	---	6200	120	590	1000	20	93	d1,b6
004A	MW-4	W	3600	---	830	17	13	53	1	83	d1
005A	RW-5	W	2200	---	350	8.5	4.6	13	1	107	d7,d9
006A	RW-9	W	8300	---	3100	32	5.5	69	10	98	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	0.5	µg/L
	S	1.0	0.05	0.005	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.

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

b6) lighter than water immiscible sheen/product is present  
d1) weakly modified or unmodified gasoline is significant  
d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram  
d9) no recognizable pattern



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Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #130105; Golden Empire Property	Date Sampled: 09/05/09
	Client Contact: Mark Jonas	Date Received: 09/08/09
	Client P.O.:	Date Analyzed: 09/10/09-09/15/09
		Date Extracted: 09/08/09

### Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up\*

Extraction method SW3510C/3630C

Analytical methods: SW8015B

Work Order: 0909177

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	DF	% SS	Comments
0909177-001B	MW-1	W	1500	1	94	e4,e2,e7
0909177-002B	MW-2	W	11,000	5	95	e4,e2,e7,b6
0909177-003B	MW-3	W	31,000	10	103	e4,e2,e7,b6
0909177-004B	MW-4	W	1200	1	96	e4/e11,e2
0909177-005B	RW-5	W	1700	1	96	e11,e2,e7
0909177-006B	RW-9	W	3000	1	95	e11,e2

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

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

# cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract/matrix interference.

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

b6) lighter than water immiscible sheen/product is present  
e2) diesel range compounds are significant; no recognizable pattern  
e4) gasoline range compounds are significant.; and/or e11) stoddard solvent/mineral spirit (?)  
e7) oil range compounds are significant



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Conestoga-Rovers & Associates  5900 Hollis St, Suite A  Emeryville, CA 94608	Client Project ID: #130105; Golden Empire Property	Date Sampled: 09/05/09
	Client Contact: Mark Jonas	Date Received: 09/08/09
	Client P.O.:	Date Analyzed: 09/12/09
		Date Extracted: 09/08/09

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

Extraction method: SW3510C/3630C/Dawn Zemo Separation Analytical methods: SW8015B Work Order: 0909177

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	DF	% SS	Comments
0909177-001C	MW-1	W	1200	1	97	e4,e2
0909177-002C	MW-2	W	4800	1	98	e4,e2,e7
0909177-003C	MW-3	W	11,000	1	109	e4,e2,e7
0909177-004C	MW-4	W	1600	1	98	e4,e2
0909177-005C	RW-5	W	600	1	98	e11,e2
0909177-006C	RW-9	W	1100	1	98	e11/e4,e2

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

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

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

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

e2) diesel range compounds are significant; no recognizable pattern  
e7) oil range compounds are significant  
e11) stoddard solvent/mineral spirit (?); and/or e4) gasoline range compounds are significant.



### QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 45660

WorkOrder: 0909177

Analyte	Extraction SW5030B			Spiked Sample ID: 0909178-005B					Acceptance Criteria (%)			
	Sample µg/L	Spiked µg/L	MS % Rec.	MSD % Rec.	MS-MSD % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	10	83.5	90.1	7.61	95.4	93.4	2.09	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	86	97.8	12.8	97	95.6	1.40	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	101	105	3.63	107	104	2.29	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	97.5	101	3.19	106	104	2.08	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	106	110	3.43	120	121	0.617	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	95.9	102	5.64	110	108	1.67	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	96.7	103	6.26	109	106	2.59	70 - 130	30	70 - 130	30
%SS1:	103	25	78	79	1.30	77	76	1.20	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 45660 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0909177-001D	09/05/09 11:55 AM	09/10/09	09/10/09 12:52 PM	0909177-002D	09/05/09 12:35 PM	09/10/09	09/10/09 5:53 PM
0909177-003D	09/05/09 12:02 PM	09/10/09	09/10/09 6:36 PM	0909177-004D	09/05/09 10:30 AM	09/10/09	09/10/09 8:46 PM
0909177-005D	09/05/09 12:15 PM	09/11/09	09/11/09 3:43 PM	0909177-006D	09/05/09 11:45 AM	09/10/09	09/10/09 5:10 PM

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

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

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

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

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.



**QC SUMMARY REPORT FOR SW8021B/8015Bm**

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 45661

WorkOrder: 0909177

EPA Method SW8021B/8015Bm		Extraction SW5030B							Spiked Sample ID: 0909178-004A			
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) <sup>f</sup>	ND	60	108	114	6.19	116	115	0.840	70 - 130	20	70 - 130	20
MTBE	ND	10	105	113	7.18	118	115	3.13	70 - 130	20	70 - 130	20
Benzene	ND	10	87.2	89.9	2.93	110	107	3.02	70 - 130	20	70 - 130	20
Toluene	ND	10	86.8	89.7	3.23	100	96	4.35	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	89.7	92.3	2.84	102	96.8	5.09	70 - 130	20	70 - 130	20
Xylenes	ND	30	90	92.5	2.69	116	111	4.47	70 - 130	20	70 - 130	20
%SS:	104	10	95	95	0	99	99	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 45661 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0909177-001A	09/05/09 11:55 AM	09/10/09	09/10/09 6:53 PM	0909177-002A	09/05/09 12:35 PM	09/10/09	09/10/09 7:26 PM
0909177-003A	09/05/09 12:02 PM	09/10/09	09/10/09 8:35 PM	0909177-004A	09/05/09 10:30 AM	09/11/09	09/11/09 3:31 AM
0909177-004A	09/05/09 10:30 AM	09/12/09	09/12/09 9:58 AM	0909177-005A	09/05/09 12:15 PM	09/11/09	09/11/09 4:05 AM
0909177-006A	09/05/09 11:45 AM	09/12/09	09/12/09 10:28 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.



### QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 45579

WorkOrder 0909177

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	85.1	86.4	1.47	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	95	96	0.441	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 45579 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0909177-001B	09/05/09 11:55 AM	09/08/09	09/10/09 5:59 PM	0909177-002B	09/05/09 12:35 PM	09/08/09	09/14/09 5:13 PM
0909177-003B	09/05/09 12:02 PM	09/08/09	09/15/09 12:57 PM	0909177-004B	09/05/09 10:30 AM	09/08/09	09/10/09 7:07 PM
0909177-005B	09/05/09 12:15 PM	09/08/09	09/10/09 8:15 PM	0909177-006B	09/05/09 11:45 AM	09/08/09	09/11/09 4:52 PM

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

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

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

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

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



### QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 45579

WorkOrder 0909177

Analyte	Extraction SW3510C/3630C/Dawn Zemo Separation								Spiked Sample ID: N/A			
	Sample µg/L	Spiked µg/L	MS % Rec.	MSD % Rec.	MS-MSD % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%)			
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	85.1	86.4	1.47	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	95	96	0.441	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 45579 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0909177-001C	09/05/09 11:55 AM	09/08/09	09/12/09 12:15 PM	0909177-002C	09/05/09 12:35 PM	09/08/09	09/12/09 1:26 PM
0909177-003C	09/05/09 12:02 PM	09/08/09	09/12/09 4:56 PM	0909177-004C	09/05/09 10:30 AM	09/08/09	09/12/09 3:46 PM
0909177-005C	09/05/09 12:15 PM	09/08/09	09/12/09 8:28 PM	0909177-006C	09/05/09 11:45 AM	09/08/09	09/12/09 9:37 PM

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

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

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

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

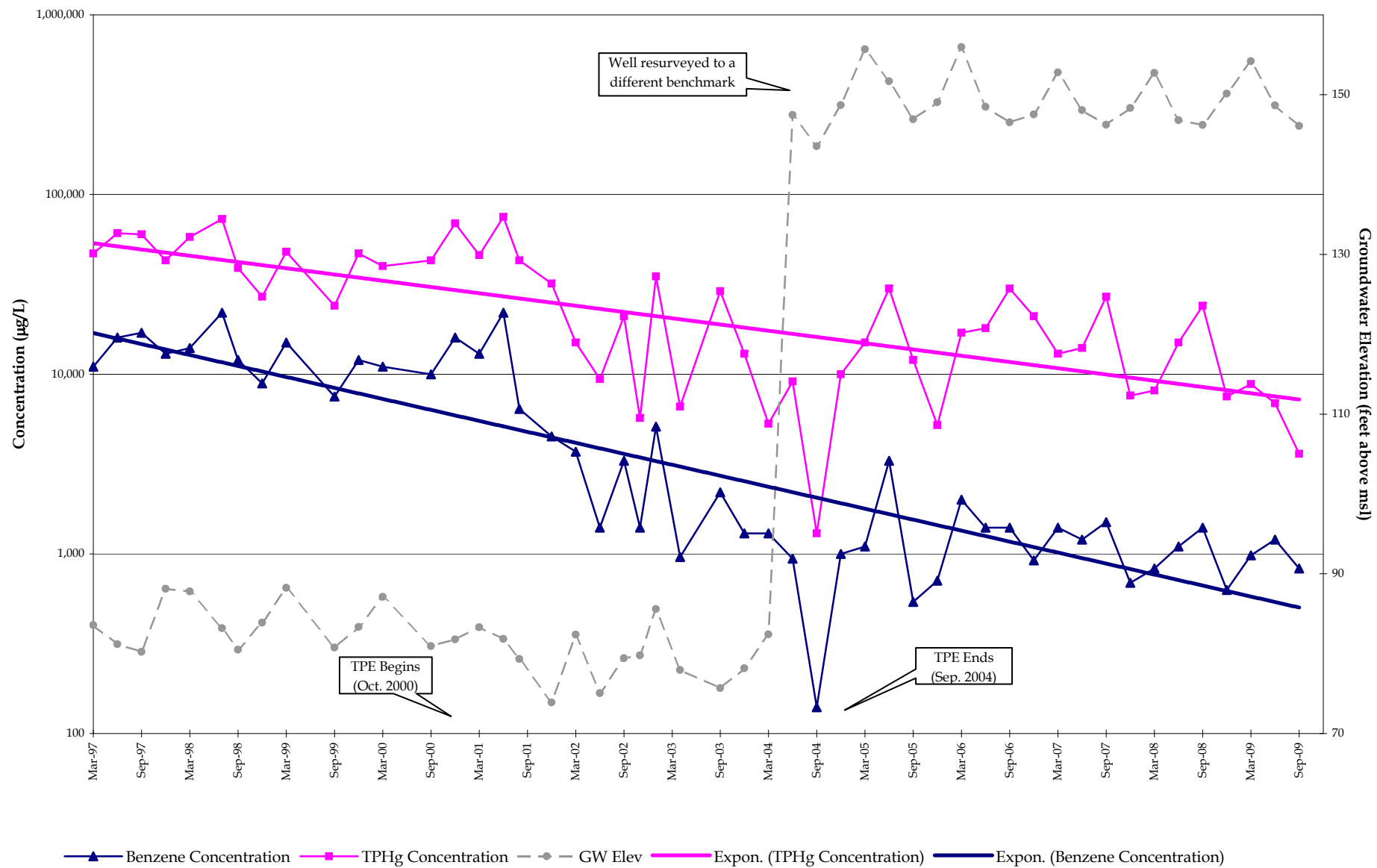
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

APPENDIX C

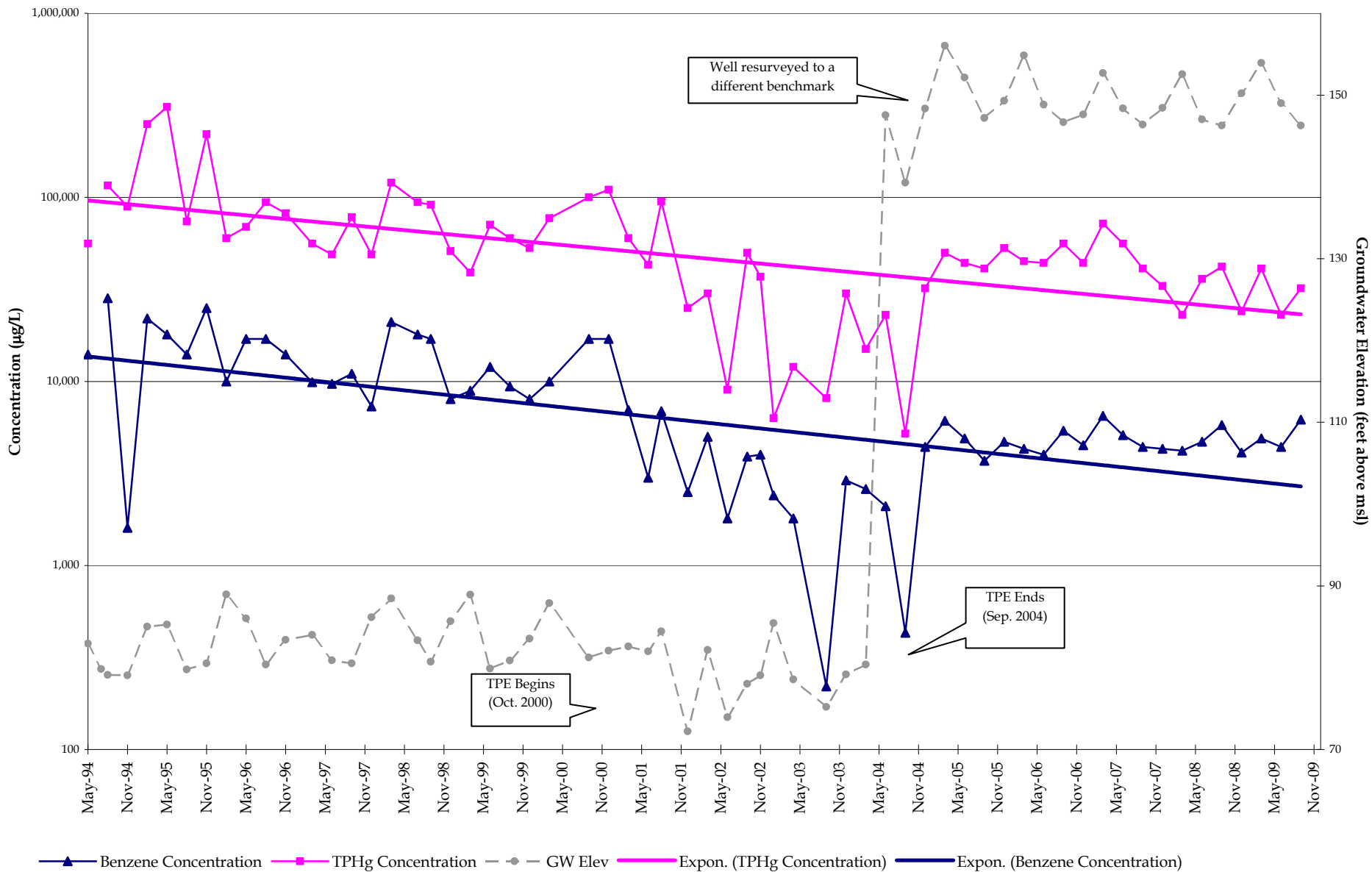
TPHg AND BENZENE CONCENTRATION TREND GRAPHS



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



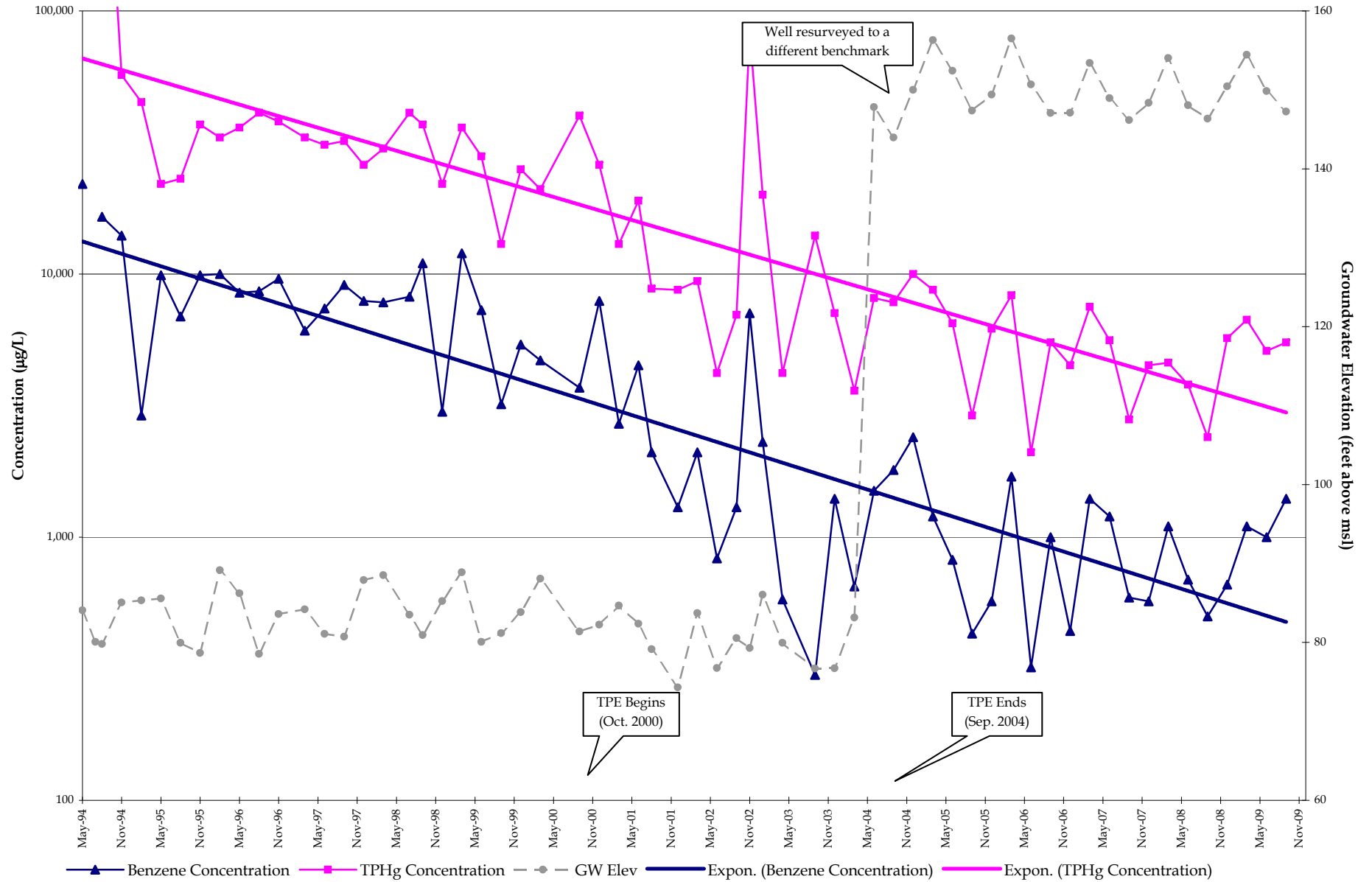
### TPHg and Benzene Concentration Trends Well MW-3 (March 1997 to Present)



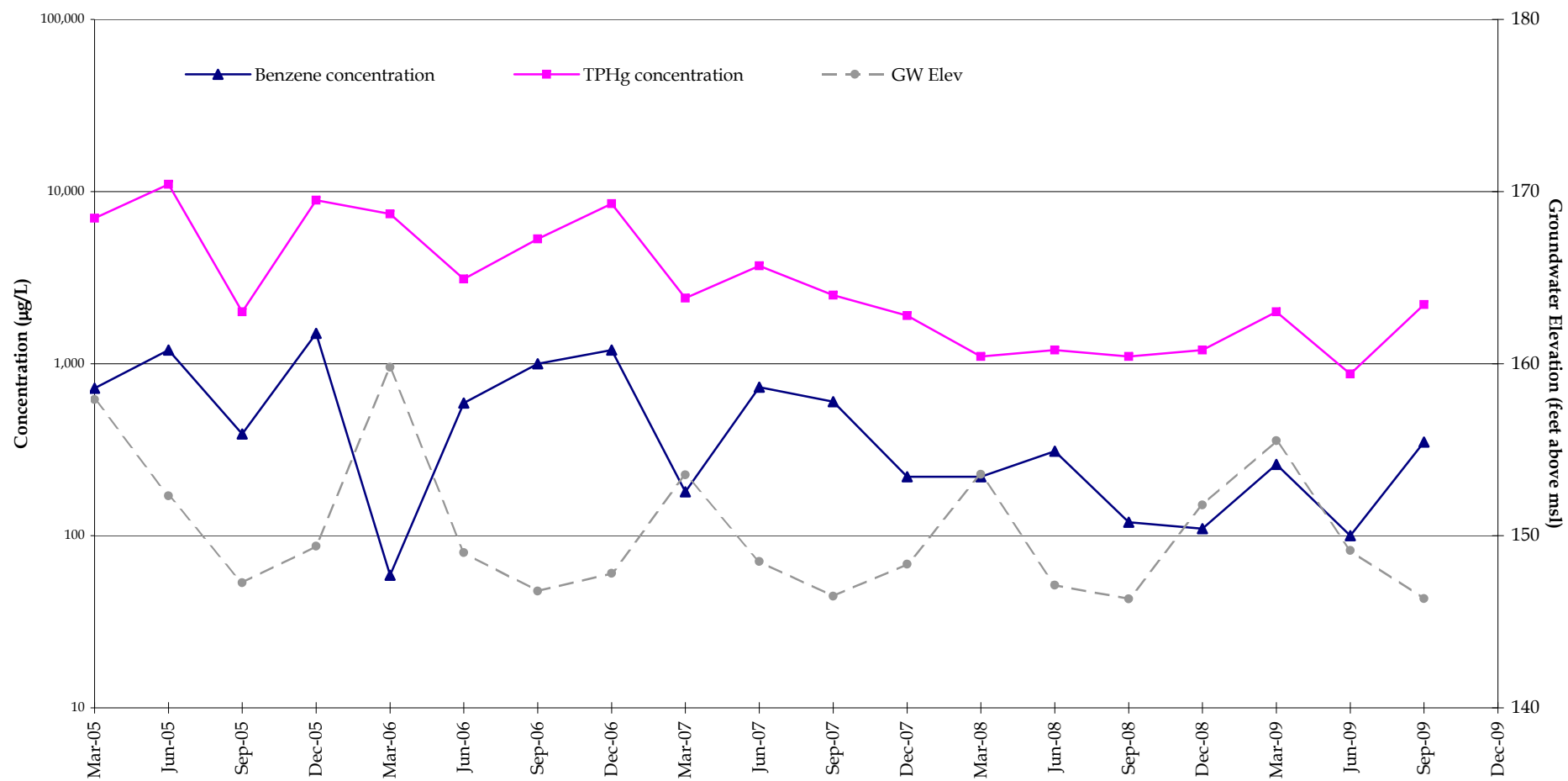
### TPHg and Benzene Concentration Trends Well MW-2 (March 1997 to Present)



### TPHg and Benzene Concentration Trends Well MW-1 (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)**

