



**CONESTOGA-ROVERS  
& ASSOCIATES**

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www.CRAworld.com

**TRANSMITTAL**

DATE: February 11, 2011 REFERENCE NO.: 241501

PROJECT NAME: 461 8th Street, Oakland

TO: Jerry Wickham  
Alameda County Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502

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Sent via:  Mail  Same Day Courier  
 Overnight Courier  Other GeoTracker and Alameda County FTP

QUANTITY	DESCRIPTION
1	Groundwater Monitoring and Remediation Report - Fourth Quarter 2010

As Requested  For Review and Comment  
 For Your Use

**COMMENTS:**

If you have any questions regarding the contents of the document, please call Peter Schaefer at (510) 420-3319.

Copy to: Denis Brown, Shell Oil Products US (electronic copy)  
Leroy Griffin, Fire Prevention Bureau, 250 Frank Ogawa Plaza, 3rd Floor, Suite 3341,  
Oakland, CA 94612  
A.F. Evans Company, c/o Anye Spivey, 1000 Broadway, Suite 300, Oakland, CA 94507  
Leah Goldberg, Meyers Nave, 555 12th Street, Suite 1500, Oakland, CA 94607  
Grover Buhr, Treadwell & Rollo (electronic copy)

Completed by: Peter Schaefer Signed:

Filing: **Correspondence File**



Mr. Jerry Wickham  
Alameda County Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94205-6577

**Denis L. Brown**  
**Shell Oil Products US**  
HSE – Environmental Services  
20945 S. Wilmington Ave.  
Carson, CA 90810-1039  
Tel (707) 865 0251  
Fax (707) 865 2542  
Email [denis.l.brown@shell.com](mailto:denis.l.brown@shell.com)

Subject: Former Shell Service Station  
461 8<sup>th</sup> Street  
Oakland, California  
SAP Code 129453  
Incident No. 97093399  
ACEH Case No. RO0000343

Dear Mr. Wickham:

The attached document is provided for your review and comment. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

As always, please feel free to contact me directly at (707) 865-0251 with any questions or concerns.

Sincerely,

A handwritten signature in black ink, appearing to read "Denis L. Brown", is written over a horizontal line.

Denis L. Brown  
Senior Program Manager



**GROUNDWATER MONITORING AND  
REMEDATION REPORT -  
FOURTH QUARTER 2010**

**FORMER SHELL SERVICE STATION  
461 8<sup>TH</sup> STREET  
OAKLAND, CALIFORNIA**

**SAP CODE                    129453  
INCIDENT NO.            97093399  
AGENCY NO.              RO0000343**

**FEBRUARY 11, 2011  
REF. NO. 241501 (23)**

This report is printed on recycled paper.

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

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Emeryville, California  
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## 1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell). Alameda County Environmental Health's (ACEH's) December 6, 2010 electronic correspondence approved extending the due date for this report from December 15, 2010 to February 15, 2011 to accommodate the groundwater monitoring schedule detailed in CRA's June 15, 2010 *Groundwater Monitoring and Remediation Report – Second Quarter 2010*.

### 1.1 SITE INFORMATION

Site Address	461 8th Street, Oakland
Site Use	Parking lot
Shell Project Manager	Denis Brown
CRA Project Manager	Peter Schaefer
Lead Agency and Contact	ACEH, Jerry Wickham
Agency Case No.	RO0000343
Shell SAP Code:	129453
Shell Incident No.	97093399

Date of most recent agency correspondence was January 10, 2011 (electronic correspondence).

## 2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

### 2.1 CURRENT QUARTER'S ACTIVITIES

Blaine Tech Services, Inc. (Blaine) gauged and sampled the wells according to the modified monitoring program for this site. Blaine conducted this groundwater monitoring event on December 29, 2010, approximately 8 months following the April 2010 insitu chemical oxidation (ISCO) injection event. All groundwater samples were analyzed for the following parameters:

- Total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene and xylenes by EPA Method 8260B;
- Dissolved oxygen (DO) by field instrument; and

- Oxidation reduction potential (ORP) by field instrument.

In addition, wells S-9, S-13, S-18, S-20, S-21A, S-22A, and S-23 were analyzed for sulfate by EPA Method 300.0.

CRA prepared a vicinity map (Figure 1) and a groundwater contour and chemical concentration map (Figure 2). Blaine's report, presenting the analytical data, is included in Appendix A.

## 2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Southerly to westerly
Hydraulic Gradient	Averages 0.01
Depth to Water	16.25 to 24.60 feet below top of well casing

## 2.3 PROPOSED ACTIVITIES

Beginning in the first quarter of 2011, groundwater monitoring will return to the pre-ISCO quarterly schedule. Blaine will gauge and sample wells according to the established monitoring program for this site, and CRA will issue groundwater monitoring reports quarterly following the sampling events.

As requested in ACEH's May 3, 2010 letter, CRA has requested access to conduct sump sampling at four properties on Broadway southwest of the site and spigot sampling in the San Francisco Bay Area Rapid Transit (BART) tunnel on behalf of Shell. CRA completed sump sampling at BART and the City of Oakland buildings; however, to date we have not received any response from the two private property owners. Based on ACEH's January 10, 2011 electronic correspondence and contingent upon receiving access to the remaining two properties on Broadway, CRA will submit a report detailing the water sampling by April 15, 2011. The spigots reported in the KE line tunnel in BART's January 10, 1979 to December 3, 1981 *Bart Recovery Project Log* and Groundwater Technology, Inc.'s 1981 *Considerations on Infiltration of Gasoline into BART KE Line* report could not be located during the sump sampling event in the BART tunnel.

### 3.0 ISCO INJECTION EVALUATION

#### 3.1 PETROLEUM HYDROCARBONS

As shown in the graphs in Appendix B, long-term dissolved TPHg and benzene concentration trends are generally downward, with the exception of trends in wells S-9 and S-20, which are relatively stable. As shown in the following table, benzene concentrations in most wells show significant declines following the ISCO injection events. Some well concentrations have rebounded following ISCO events; however, benzene concentrations in all down-gradient and injection wells, with the exception of S-20, are below pre-ISCO concentrations.

TABLE A											
Well	Location Relative to Source Area	Benzene (µg/l)									
		11/11/08	2/12/09	4/9/09	7/23/09	10/1/09	1/28/10	5/20/10	6/22/10	8/31/10	12/29/10
S-8	up gradient	29	7.2	<0.50	0.55	0.68	<0.50	<0.50	NA	<0.50	0.83
S-9	cross gradient	74	120	450	430	180	130	340	240	130	55
S-12	cross gradient	8.1	5.0	6.0	29	25	14	8.5	8.5	0.56	0.98
S-13	down gradient	2,400	800	510	1,800	330	370	35	570	140	600
S-14R	cross gradient	680	40	230	81	12	45	17	17	5.8	56
S-17	down gradient	2,500	750	200	480	32	260	18	NA	120	200
S-18	down gradient	3,900	1,200	NA	500	49	230	110	1,700	980	1,000
S-19	cross gradient	500	130	140	77	160	170	500	NA	79	120
S-20	injection	1,300	1,300	80	4,900	140	2,000	1,100	1,300	1,800	2,000
S-21A	injection	6,300	3,100	700	4,800	2,300	3,900	670	690	230	500
S-21B	deeper	67	12	14	5.0	2.6	11	1.4	NA	0.81	<0.50
S-22A	injection	8,500	6,700	120	5,100	1,400	3,600	38	110	690	1,300
S-22B	deeper	3.3	11	5.3	8.9	2.4	<0.50	<0.50	NA	0.57	<0.50
S-23	up gradient	640	160	180	180	40	100	8.2	11	14	45

NA = Not analyzed

µg/l = Micrograms per liter

#### 3.2 DO

During the December 2010 groundwater sampling event, DO concentrations in the ISCO injection area wells (S-13, S-17, S-18, S-20, S-21A, and S-22A) averaged 0.90 milligrams per liter (mg/l) and ranged from 0.69 to 1.37 mg/l. This is comparable to the November 2008 pre-ISCO DO average of 1.43 mg/l (range: 0.8 to 2.6 mg/l) in wells S-13, S-20, S-21A, and S-22A (no pre-ISCO DO data were collected from wells S-17 and S-18).



The highest DO concentrations were observed directly following ISCO injections (up to 25.9 mg/l in S-13 on April 9, 2009). As shown in the graphs in Appendix C, DO concentrations have not shown long-term increases following the ISCO injections.

### 3.3 ORP

During the December 2010 groundwater sampling event, ORP measurements in the injection area ranged from 70 to 476 millivolts (mV), which are comparable with 87 to 375 mV measured in wells outside the injection area (S-5, S-6, S-8, S-10, S-12, and S-14R), indicating that the ISCO chemicals in the injection area are dissipating. Post-ISCO injection area ORP ranges are higher than the pre-ISCO ORP range of -64 to 117 mV in wells S-13, S-20, S-21A, and S-22A (no pre-ISCO ORP data were collected from wells S-17 and S-18). ORP trends are shown in the graphs in Appendix C.

### 3.3 SULFATE

During the December 2010 groundwater sampling event, sulfate concentrations in the injection area ranged from 1,300 to 13,000 mg/l, in contrast with historical concentrations in up-gradient wells S-8 and S-10 of less than 200 mg/l (with the exception of an apparently anomalous detection of 34,000 mg/l in S-8 in April 2009). As shown in the graphs in Appendix C, sulfate concentrations in wells in the injection area substantially increased following ISCO injection events and are now relatively stable, with the exception of well S-9. Sulfate concentrations in groundwater samples from well S-9 did not increase following the ISCO injection events and have declined slightly over since the ISCO events were initiated.

## 4.0 CONCLUSIONS AND RECOMMENDATIONS

As discussed in CRA's September 21, 2010 *In Situ Chemical Oxidation Pilot Test Report*, ISCO feasibility is verified by increased DO immediately following ISCO injection events, changes in ORP, and increased sulfate levels in the injection area.

ISCO effectiveness is verified by hydrocarbon concentration reductions in groundwater. Benzene concentrations have significantly decreased, indicating that ISCO has effectively treated hydrocarbons in the subsurface. In addition, residual sulfate

concentrations may assist in further anaerobic biodegradation of petroleum hydrocarbons<sup>1</sup>.

Based on current results, no further ISCO pilot testing is recommended. CRA recommends returning to the established groundwater monitoring program discussed above.

---

<sup>1</sup> Van Stempvoort, D. R. et al, Ground Water Monitoring & Remediation, Seasonal Recharge and Replenishment of Sulfate Associated with Biodegradation of a Hydrocarbon Plume, Fall 2007, Volume 27, Issue 4

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



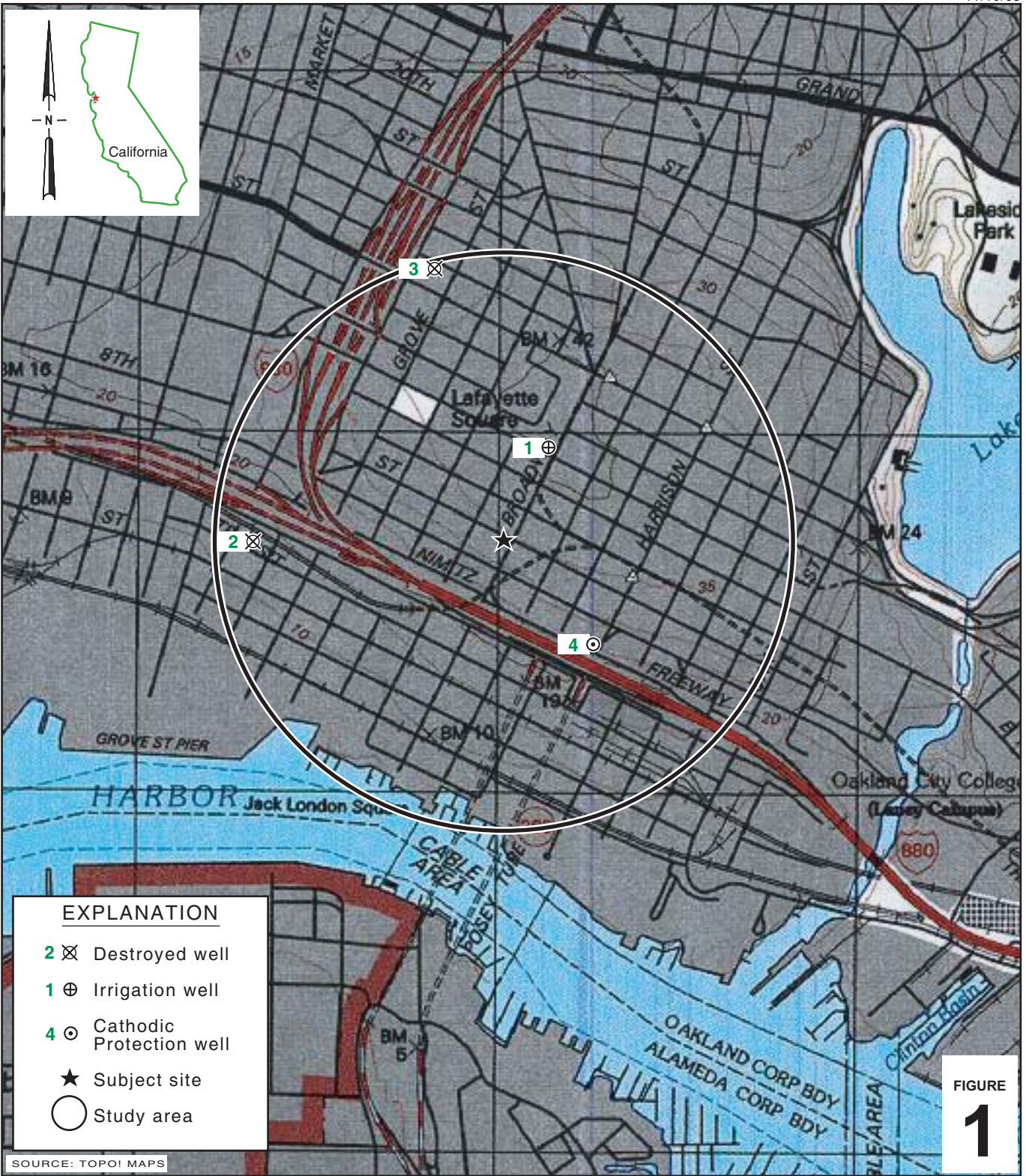
Peter Schaefer, CEG, CHG



Aubrey K. Cool, PG

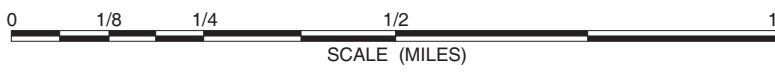


## FIGURES



I:\Shell\6-chars\2415--\241501-Oakland 461 8th\241501-FIGURES\241501 VICINITY.AI

SOURCE: TOPOI MAPS



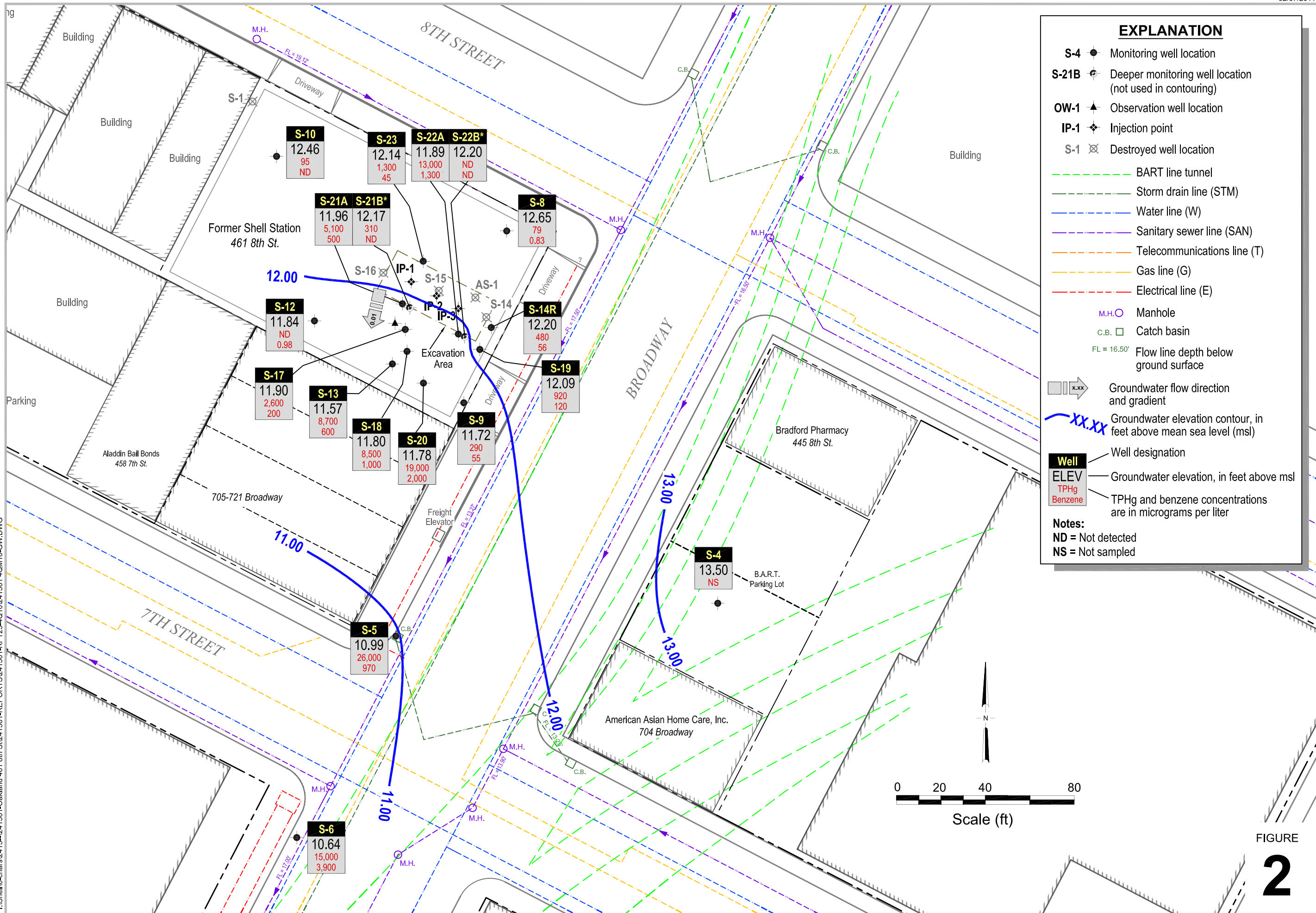
**Former Shell Service Station**  
 461 8th Street  
 Oakland, California



**CONESTOGA-ROVERS  
 & ASSOCIATES**

**Vicinity Map**

I:\Shell\6-chars\2415--241501-Oakland 461 8th St\241501-REPORTS\241501-RPT23-4010241501 4CM10-GW.DWG



Groundwater Contour and Chemical Concentration Map

CONESTOGA-ROVERS & ASSOCIATES

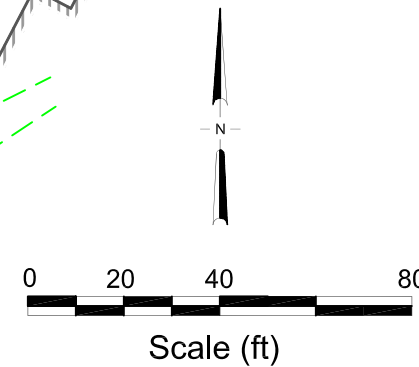
December 29, 2010

Former Shell Service Station

461 8th Street  
Oakland, California

FIGURE

2



APPENDIX A

BLAINE TECH SERVICES, INC. -  
GROUNDWATER MONITORING REPORT

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**BLAINE**  
**TECH SERVICES** INC.

---

GROUNDWATER SAMPLING SPECIALISTS  
SINCE 1985

February 18, 2010

Denis Brown  
Shell Oil Products US  
20945 South Wilmington Avenue  
Carson, CA 90810

Fourth Quarter 2010 Groundwater Monitoring at  
Former Shell-branded Service Station  
461 8th Street  
Oakland, CA

Monitoring performed on December 29, 2010

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Groundwater Monitoring Report **101229-WW-1**

This report covers the routine monitoring of groundwater wells at this former Shell-branded facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

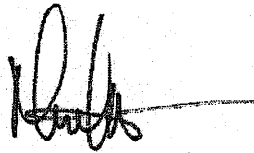
At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight-hour refresher courses.



Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,



Mike Ninokata  
Project Manager

MN/np

attachments: Cumulative Table of WELL CONCENTRATIONS  
Certified Analytical Report  
Field Data Sheets

cc: Anni Kreml  
Conestoga-Rovers & Associates  
5900 Hollis Street, Suite A  
Emeryville, CA 94608

**WELL CONCENTRATIONS - TABLE 1**

Former Shell Service Station

461 8th Street

Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (m+U735V)
S-4	10/26/1988	130	3.8	13	4	30	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA	NA	NA
S-4	2/14/1989	<50	0.5	<1	<1	3	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	12.82	80.69	NA	NA	NA
S-4	5/1/1989	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	16.48	77.03	NA	NA	NA
S-4	7/27/1989	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.84	77.67	NA	NA	NA
S-4	10/5/1989	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.98	77.53	NA	NA	NA
S-4	1/9/1990	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.86	77.65	NA	NA	NA
S-4	4/30/1990	<50	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.48	79.03	NA	NA	NA
S-4	7/31/1990	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA	NA	NA
S-4	10/30/1990	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA	NA	NA
S-4	5/6/1991	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.23	78.28	NA	NA	NA
S-4	6/27/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	13.54	79.97	NA	NA	NA
S-4	9/24/1991	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.85	77.66	NA	NA	NA
S-4	11/7/1991	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.60	77.91	NA	NA	NA
S-4	2/13/1992	<50	<0.5	<0.5	<0.5	3	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.27	79.24	NA	NA	NA
S-4	5/11/1992	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA	NA	NA
S-4	12/3/1992	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA	NA	NA
S-4	5/13/1993	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.81	78.70	NA	NA	NA
S-4	7/22/1993	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.42	79.09	NA	NA	NA
S-4	10/20/1993	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA	NA	NA
S-4	1/25/1994	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.60	78.91	NA	NA	NA
S-4	4/25/1994	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.39	79.12	NA	NA	NA
S-4	7/21/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	22.29	71.22	NA	NA	NA
S-4	10/24/1994	<500	<0.3	<0.3	<0.3	<0.6	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	22.72	70.79	NA	NA	NA
S-4	12/22/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	25.77*	22.25	3.52	NA	NA	NA
S-4	4/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.16	4.61	NA	NA	NA
S-4	10/4/1995	<50	1.2	0.7	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	25.77	22.25	3.52	NA	NA	NA
S-4	1/3/1996	<50	0.6	<0.5	<0.5	1.7	NA	NA	NA	NA	NA	NA	NA	NA	25.77	23.28	2.49	NA	NA	NA
S-4	4/11/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	21.58	4.19	NA	NA	NA
S-4	7/11/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	21.60	4.17	NA	NA	NA
S-4	10/2/1996	<50	<0.50	<0.50	<0.50	<0.50	2.6	NA	NA	NA	NA	NA	NA	NA	25.77	22.46	3.31	NA	NA	NA
S-4	1/22/1997	<50	0.73	<0.50	<0.50	0.63	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	20.06	5.71	NA	NA	NA
S-4	7/21/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	22.10	3.67	NA	NA	NA
S-4	1/22/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	20.50	5.27	NA	NA	NA
S-4	7/8/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	20.86	4.91	NA	NA	NA
S-4	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.41	4.36	NA	NA	NA
S-4	1/28/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	22.34	3.43	NA	NA	NA

**WELL CONCENTRATIONS - TABLE 1**  
**Former Shell Service Station**  
**461 8th Street**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (m+U735V)
S-4	4/23/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.43	4.34	NA	NA	NA
S-4	7/29/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	25.77	21.45	4.32	NA	NA	NA
S-4	11/1/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	22.08	3.69	NA	NA	NA
S-4	1/7/2000	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	22.29	3.48	NA	NA	NA
S-4	4/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.11	4.66	NA	NA	NA
S-4	7/19/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	25.77	21.19	4.58	NA	NA	NA
S-4	10/12/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	22.22	3.55	NA	NA	NA
S-4	1/9/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	25.77	22.17	3.60	NA	NA	NA
S-4	4/6/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.50	4.27	NA	NA	NA
S-4	7/25/2001	<50	2	0.52	<0.50	1	NA	<5.0	NA	NA	NA	NA	NA	NA	25.77	21.50	4.27	NA	NA	NA
S-4	11/1/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.95	3.82	NA	NA	NA
S-4	01/17/2002 d	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	25.77	21.13	4.64	NA	NA	NA
S-4	5/8/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.35	4.42	NA	NA	NA
S-4	7/18/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	34.41	21.19	13.22	NA	NA	NA
S-4	10/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.42	12.99	NA	NA	NA
S-4	1/2/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	34.41	20.75	13.66	NA	NA	NA
S-4	4/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.08	13.33	NA	NA	NA
S-4	7/14/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	19.93	14.48	NA	NA	NA
S-4	10/20/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	19.56	14.85	NA	NA	NA
S-4	1/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	34.41	19.12	15.29	NA	NA	NA
S-4	4/19/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	19.15	15.26	NA	NA	NA
S-4	7/13/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	20.48	13.93	NA	NA	NA
S-4	10/28/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.00	13.41	NA	NA	NA
S-4	1/17/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	34.41	20.17	14.24	NA	NA	NA
S-4	4/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	19.82	14.59	NA	NA	NA
S-4	7/28/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	20.71	13.70	NA	NA	NA
S-4	10/5/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	20.85	13.56	NA	NA	NA
S-4	2/9/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	NA	NA	34.41	19.47	14.94	NA	NA	NA
S-4	5/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	19.52	14.89	NA	NA	NA
S-4	8/23/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	20.75	13.66	NA	NA	NA
S-4	11/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	20.03	14.38	NA	NA	NA
S-4	1/30/2007	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	34.41	21.30	13.11	NA	NA	NA
S-4	5/29/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.15	13.26	NA	NA	NA
S-4	8/15/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.38	13.03	NA	NA	NA
S-4	11/28/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.55	12.86	NA	NA	NA
S-4	2/8/2008	64 h	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	34.41	22.75	11.66	NA	NA	NA

**WELL CONCENTRATIONS - TABLE 1**  
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**461 8th Street**  
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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (m+U735V)
S-4	5/8/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	22.18	12.23	NA	NA	NA
S-4	8/14/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.77	12.64	NA	NA	NA
S-4	11/11/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	20.68	13.73	NA	NA	NA
S-4	1/5/2009	250	1.8	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	34.41	20.92	13.49	NA	NA	NA
S-4	4/9/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.10	13.31	NA	NA	NA
S-4	7/23/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.76	12.65	NA	NA	NA
S-4	10/1/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	22.10	12.31	NA	NA	NA
S-4	1/28/2010	<50	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.75	12.66	NA	NA	NA
S-4	5/20/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.44	12.97	NA	NA	NA
S-4	8/31/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.72	12.69	NA	NA	NA
S-4	12/29/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	20.91	13.50	NA	NA	NA

S-5	4/16/1987	130000	15000	16000	NA	14000 a	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	NA	NA	NA	NA	NA
S-5	10/26/1988	110000	20000	25000	2300	10000	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	NA	NA	NA	NA	NA
S-5	2/14/1989	94000	16000	21000	1800	10000	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	19.87	79.49	NA	NA	NA
S-5	5/11/1989	120000	29000	35000	3100	15000	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.23	78.13	NA	NA	NA
S-5	7/27/1989	110000	20000	29000	2400	14000	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.41	78.95	NA	NA	NA
S-5	10/5/1989	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.43	78.94	0.01	NA	NA
S-5	1/9/1990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.16	78.21	0.01	NA	NA
S-5	4/30/1990	100000	13000	22000	2100	11000	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.96	78.40	NA	NA	NA
S-5	7/31/1990	53000	8300	14000	1200	7400	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.88	78.48	NA	NA	NA
S-5	10/30/1990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.96	77.42	0.03	NA	NA
S-5	5/6/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	23.00	76.46	0.13	NA	NA
S-5	6/27/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.53	78.85	0.03	NA	NA
S-5	9/24/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.40	78.01	0.06	NA	NA
S-5	11/7/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.33	78.23	0.25	NA	NA
S-5	2/13/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.52	77.09	0.31	NA	NA
S-5	5/11/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.46	77.36	0.58	NA	NA
S-5	12/3/1992	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	NA	NA	NA	NA	NA
S-5	5/13/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.22	77.36	0.27	NA	NA
S-5	7/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.68	77.88	0.25	NA	NA
S-5	10/20/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.51	79.03	0.23	NA	NA
S-5	1/25/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.93	77.57	0.18	NA	NA
S-5	4/25/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.97	77.67	0.35	NA	NA
S-5	5/26/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.84	78.80	0.35	NA	NA
S-5	6/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.01	78.61	0.32	NA	NA

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (m+U735V)
S-5	7/21/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.18	77.56	0.47	NA	NA
S-5	8/25/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.01	77.70	0.44	NA	NA
S-5	9/22/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.00	77.48	0.15	NA	NA
S-5	10/24/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.28	77.53	0.56	NA	NA
S-5	12/22/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94*	22.88	0.85	0.99	NA	NA
S-5	4/20/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	21.66	1.54	0.33	NA	NA
S-5	10/4/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	22.18	0.76	NA	NA	NA
S-5	1/3/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	22.80	0.80	0.83	NA	NA
S-5	4/11/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	21.15	2.33	0.67	NA	NA
S-5	7/11/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	22.62	1.04	0.90	NA	NA
S-5	10/2/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	23.07	0.38	0.64	NA	NA
S-5	1/22/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	20.83	2.24	0.16	NA	NA
S-5	7/21/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	21.16	1.82	0.05	NA	NA
S-5	1/22/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	20.04	2.93	0.04	NA	NA
S-5	7/8/1998	220	14	40	5.8	34	3.3	NA	NA	NA	NA	NA	NA	NA	22.94	18.61	4.33	NA	NA	NA
S-5	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	17.31	5.63	NA	NA	NA
S-5	1/28/1999	51000	13000	1200	1200	2400	2400	NA	NA	NA	NA	NA	NA	NA	22.94	20.11	2.83	NA	NA	NA
S-5	4/23/1999	65600	2540	7300	1790	9840	<1000	NA	NA	NA	NA	NA	NA	NA	22.94	19.21	3.73	NA	NA	NA
S-5	7/29/1999	61400	3320	6980	1520	7700	<1000	NA	NA	NA	NA	NA	NA	NA	22.94	14.77	8.17	NA	NA	NA
S-5	11/1/1999	48200	2700	5740	1290	7850	<500	<40.0	NA	NA	NA	NA	NA	NA	22.94	15.56	7.38	NA	NA	NA
S-5	1/7/2000	39000	3900	8500	790	8300	1500	NA	NA	NA	NA	NA	NA	NA	22.94	15.82	7.12	NA	NA	NA
S-5	4/11/2000	29300	1680	5060	1130	6220	<250	NA	NA	NA	NA	NA	NA	NA	22.94	18.19	4.75	NA	NA	NA
S-5	7/19/2000	6420	2110	207	252	681	355	253 b	NA	NA	NA	NA	NA	NA	22.94	19.01	3.93	NA	NA	NA
S-5	10/12/2000	41500	2940	4940	1520	7770	<250	<66.7	NA	NA	NA	NA	NA	NA	22.94	19.62	3.32	NA	NA	NA
S-5	1/9/2001	142000	7030	9550	2340	12600	779	NA	NA	NA	NA	NA	NA	NA	22.94	19.94	3.00	NA	NA	NA
S-5	4/6/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	NA	NA	NA	NA	NA
S-5	4/13/2001	59800	4810	10800	1950	10100	842	<10.0	NA	NA	NA	NA	NA	NA	22.94	14.72	8.22	NA	NA	NA
S-5	7/25/2001	71000	2900	6800	1700	9100	NA	<250	NA	NA	NA	NA	NA	NA	22.94	14.91	8.03	NA	NA	NA
S-5	8/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	19.43	3.51	NA	NA	NA
S-5	11/1/2001	Unable to locate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	NA	NA	NA	NA	NA
S-5	01/17/2002 d	58000	460	3300	1900	8400	NA	<200	NA	NA	NA	NA	NA	NA	c	14.27	NA	NA	NA	NA
S-5	05/08/2002 d	60000	650	2700	1800	8800	NA	<100	NA	NA	NA	NA	NA	NA	22.94	18.40	4.54	NA	NA	NA
S-5	7/18/2002	53000	240	1200	1500	6400	NA	<100	NA	NA	NA	NA	NA	NA	27.36	14.25	13.11	NA	NA	NA
S-5	10/15/2002	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	27.36	NA	NA	NA	NA	NA
S-5	10/17/2002	42000	420	1100	1200	5500	NA	<10	NA	NA	NA	NA	NA	NA	27.36	14.90	12.46	NA	NA	NA
S-5	1/2/2003	26000	680	1500	780	3800	NA	<5.0	NA	NA	NA	NA	NA	NA	27.36	14.72	12.64	NA	NA	NA

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (m+U735V)
S-5	4/15/2003	3600	29	38	65	370	NA	<5.0	NA	NA	NA	NA	NA	NA	e	14.45	NA	NA	NA	NA
S-5	7/14/2003	21000	210	460	650	2900	NA	<10	NA	NA	NA	NA	NA	NA	e	14.10	NA	NA	NA	NA
S-5	10/20/2003	37000	390	590	870	3500	NA	<13	NA	NA	NA	NA	NA	NA	e	14.63	NA	NA	NA	NA
S-5	1/22/2004	29000	200	210	710	2400	NA	<13	NA	NA	NA	NA	NA	NA	e	14.08	NA	NA	NA	NA
S-5	4/19/2004	25000	490	460	750	2400	NA	19	NA	NA	NA	NA	NA	NA	e	13.43	NA	NA	NA	NA
S-5	7/13/2004	28000	300	280	690	2400	NA	<13	NA	NA	NA	NA	NA	NA	e	14.88	NA	NA	NA	NA
S-5	8/14/2008	31000	1700	1600	1400	3350	NA	<10	NA	NA	NA	NA	<5.0	<10	e	16.65	NA	NA	NA	NA
S-5	11/11/2008 k	37000	2500	1300	2000	3490	NA	<50	NA	NA	NA	NA	<25	<50	e	16.81	NA	NA	NA	NA
S-5	11/11/2008 l	40000	2300	1400	1900	3630	NA	<50	NA	NA	NA	NA	<25	<50	e	16.81	NA	NA	NA	NA
S-5	1/5/2009	57000	2300	1400	1500	2900	NA	<10	NA	NA	NA	NA	<5.0	<10	e	16.71	NA	NA	NA	NA
S-5	4/9/2009	52000	2100	3500	1900	5400	NA	<20	NA	NA	NA	NA	<10	<20	e	16.31	NA	NA	0.3	163
S-5	7/23/2009	37000	1800	1900	1400	3800	NA	NA	NA	NA	NA	NA	NA	NA	e	16.62	NA	NA	1.48	-84
S-5	10/1/2009	36000	1800	1900	1400	3700	NA	NA	NA	NA	NA	NA	NA	NA	27.24	16.35	10.89	NA	0.86	-52
S-5	1/28/2010	35000	1200	1900	1500	3600	NA	NA	NA	NA	NA	NA	NA	NA	27.24	16.35	10.89	NA	NA	NA
S-5	5/20/2010	36000	1600	2500	1700	4500	NA	NA	NA	NA	NA	NA	NA	NA	27.24	16.50	10.74	NA	1.22	227
S-5	8/31/2010	32000	1300	1100	1600	3400	NA	NA	NA	NA	NA	NA	NA	NA	27.24	16.95	10.29	NA	0.58	-102
S-5	12/29/2010	26000	970	1500	1500	3200	NA	NA	NA	NA	NA	NA	NA	NA	27.24	16.25	10.99	NA	1.18	233
S-6	4/16/1987	81000	16000	9000	NA	6400 a	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	NA	NA	NA	NA	NA
S-6	10/26/1988	110000	29000	18000	2500	8200	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	NA	NA	NA	NA	NA
S-6	2/14/1989	54000	18000	4500	1400	4000	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	20.87	79.71	NA	NA	NA
S-6	5/1/1989	93000	43000	9900	3000	8000	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	20.49	80.09	NA	NA	NA
S-6	7/27/1989	52000	20000	3200	1700	5500	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.01	79.57	NA	NA	NA
S-6	10/5/1989	55000	20000	2900	1600	5500	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.24	79.34	NA	NA	NA
S-6	1/9/1990	76000	35000	9100	2300	8600	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.62	77.96	SHEEN	NA	NA
S-6	4/30/1990	39000	13000	2300	900	2800	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.10	78.48	NA	NA	NA
S-6	7/31/1990	48000	20000	4600	1500	4900	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.00	78.58	NA	NA	NA
S-6	10/30/1990	27000	7400	900	600	1400	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.14	78.44	NA	NA	NA
S-6	5/6/1991	35000	3900	2700	2300	3500	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.40	78.18	NA	NA	NA
S-6	6/27/1991	51000	19000	5600	1700	6300	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.21	79.37	NA	NA	NA
S-6	9/24/1991	42000	14000	4300	1200	4000	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.26	78.32	NA	NA	NA
S-6	11/7/1991	39000	11000	2000	800	2300	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.35	78.23	NA	NA	NA
S-6	2/13/1992	64000	21000	6200	1600	5100	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.28	78.30	NA	NA	NA
S-6	5/11/1992	57000	22000	7600	2200	7700	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.10	78.48	NA	NA	NA
S-6	12/3/1992	110000	26000	9400	2100	8700	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.14	78.44	NA	NA	NA
S-6	5/13/1993	58000	21000	6800	2500	9800	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.16	78.42	NA	NA	NA

**WELL CONCENTRATIONS - TABLE 1**

Former Shell Service Station

461 8th Street

Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (m+U735V)
S-6	7/22/1993	70000	31000	14000	3000	13000	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.64	78.94	NA	NA	NA
S-6	10/20/1993	48000	28000	9800	3200	12000	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.62	78.96	NA	NA	NA
S-6	1/25/1994	70000	23000	7500	2500	8000	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.80	78.78	NA	NA	NA
S-6	4/25/1994	61000	16000	4000	1800	5100	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.68	78.90	NA	NA	NA
S-6	7/21/1994	44000	8200	3600	1400	3900	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.78	78.80	NA	NA	NA
S-6 (D)	7/21/1994	32000	7800	3400	1300	3700	NA	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	10/24/1994	2936	1184	440.6	163.4	648.4	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.06	78.52	NA	NA	NA
S-6 (D)	10/24/1994	2968	770.8	325.3	144.1	622	NA	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	12/22/1994	32000	7000	2900	790	2400	NA	NA	NA	NA	NA	NA	NA	NA	22.08*	21.91	0.17	NA	NA	NA
S-6 (D)	12/22/1994	32000	8000	3800	1100	3400	NA	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	4/20/1995	56000	15000	3800	1900	4900	NA	NA	NA	NA	NA	NA	NA	NA	22.08	21.38	0.70	NA	NA	NA
S-6 (D)	4/20/1995	49000	13000	3500	1800	4700	NA	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	10/4/1995	49000	8400	4700	1800	4800	NA	NA	NA	NA	NA	NA	NA	NA	22.08	21.80	0.28	NA	NA	NA
S-6 (D)	10/4/1995	41000	8400	4100	1400	4400	NA	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	1/3/1996	52000	9100	7100	1800	5800	NA	NA	NA	NA	NA	NA	NA	NA	22.08	21.70	0.38	NA	NA	NA
S-6	4/11/1996	59000	11000	7100	2100	6400	<500	NA	NA	NA	NA	NA	NA	NA	22.08	21.62	0.46	NA	NA	NA
S-6 (D)	4/11/1996	59000	11000	6800	1900	6400	<500	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	7/11/1996	72000	18000	6600	2500	8400	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	21.65	2.78	NA	NA	NA
S-6	10/2/1996	57000	11000	6500	1500	5100	<500	NA	NA	NA	NA	NA	NA	NA	22.08	21.80	2.63	NA	NA	NA
S-6	1/22/1997	67000	15000	5000	1800	5400	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	19.95	2.13	NA	NA	NA
S-6 (D)	1/22/1997	63000	15000	4800	1800	5200	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	7/21/1997	61000	15000	2100	1100	3500	1900	NA	NA	NA	NA	NA	NA	NA	22.08	20.61	1.47	NA	NA	NA
S-6	1/22/1998	46000	14000	3200	1300	3400	<500	NA	NA	NA	NA	NA	NA	NA	22.08	19.82	2.26	NA	NA	NA
S-6	7/8/1998	74000	26000	7500	2200	6200	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	18.20	3.88	NA	NA	NA
S-6	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.08	18.81	3.27	NA	NA	NA
S-6	1/28/1999	120000	9000	14000	2700	14000	3700	NA	NA	NA	NA	NA	NA	NA	22.08	19.73	2.35	NA	NA	NA
S-6	4/23/1999	58500	15900	1360	1640	3030	<2500	NA	NA	NA	NA	NA	NA	NA	22.08	17.58	4.50	NA	NA	NA
S-6	7/29/1999	36200	10300	760	930	1360	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	21.35	0.73	NA	NA	NA
S-6	11/1/1999	36000	11700	767	865	1670	<1250	<40.0	NA	NA	NA	NA	NA	NA	22.08	19.23	2.85	NA	NA	NA
S-6	1/7/2000	36000	7600	4600	840	3600	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	19.53	2.55	NA	NA	NA
S-6	4/11/2000	14600	7540	205	306	609	621	NA	NA	NA	NA	NA	NA	NA	22.08	18.16	3.92	NA	NA	NA
S-6	7/19/2000	2590	629	63.9	99.6	267	124	72.7 b	NA	NA	NA	NA	NA	NA	22.08	18.40	3.68	NA	NA	NA
S-6	10/12/2000	32900	14200	966	1060	1790	<500	<100	NA	NA	NA	NA	NA	NA	22.08	19.52	2.56	NA	NA	NA
S-6	1/9/2001	27600	11200	675	666	1580	1430	<10.0 b	NA	NA	NA	NA	NA	NA	22.08	19.69	2.39	NA	NA	NA
S-6	2/5/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.08	19.20	2.88	NA	NA	NA
S-6	4/6/2001	16900	7800	343	172	966	809	<20.0	NA	NA	NA	NA	NA	NA	22.08	18.25	3.83	NA	NA	NA

**WELL CONCENTRATIONS - TABLE 1**  
**Former Shell Service Station**  
**461 8th Street**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (m+U735V)
S-6	7/25/2001	29000	9800	1700	1000	1800	NA	<250	NA	NA	NA	NA	NA	NA	22.08	18.27	3.81	NA	NA	NA
S-6	11/1/2001	41000	15000	2400	1100	2500	NA	<500	NA	NA	NA	NA	NA	NA	22.08	19.30	2.78	NA	NA	NA
S-6	01/17/2002 d	38000	11000	1700	990	2200	NA	<500	NA	NA	NA	NA	NA	NA	22.08	18.51	3.57	NA	NA	NA
S-6	5/8/2002	72000	21000	4400	2200	5300	NA	<1000	NA	NA	NA	NA	NA	NA	22.08	18.30	3.78	NA	NA	NA
S-6	7/18/2002	71000	17000	4300	1700	4800	NA	<1000	NA	NA	NA	NA	NA	NA	30.56	18.19	12.37	NA	NA	NA
S-6	10/15/2002	55000	16000	4600	1500	4600	NA	<100	NA	NA	NA	NA	NA	NA	30.56	18.77	11.79	NA	NA	NA
S-6	1/2/2003	75000	21000	5000	2400	6400	NA	<50	NA	NA	NA	NA	NA	NA	30.56	18.60	11.96	NA	NA	NA
S-6	4/15/2003	64000	29000	6400	2700	5600	NA	<1000	NA	NA	NA	NA	NA	NA	30.56	18.27	12.29	NA	NA	NA
S-6	7/14/2003	47000	19000	4300	1500	4300	NA	<100	NA	NA	NA	NA	NA	NA	30.56	18.05	12.51	NA	NA	NA
S-6	10/20/2003	63000	21000	5800	1900	5200	NA	<130	NA	NA	NA	NA	NA	NA	30.56	18.55	12.01	f	NA	NA
S-6	1/22/2004	41000	21000	4300	1800	4000	NA	<130	NA	NA	NA	NA	NA	NA	30.56	18.18	12.38	f	NA	NA
S-6	4/19/2004	58000	23000	4200	2200	3900	NA	<130	NA	NA	NA	NA	NA	NA	30.56	17.32	13.24	NA	NA	NA
S-6	5/3/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.56	17.30	13.26	NA	NA	NA
S-6	6/17/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.56	17.70	12.86	NA	NA	NA
S-6	7/13/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.56	17.85	12.71	NA	NA	NA
S-6	10/28/2004 g	45000	21000	3600	1700	3300	NA	<130	NA	NA	NA	NA	NA	NA	30.56	18.45	12.11	NA	NA	NA
S-6	1/17/2005	61000	21000	3500	1600	3200	NA	<130	NA	NA	NA	NA	NA	NA	30.56	17.52	13.04	NA	NA	NA
S-6	4/14/2005	36000	12000	6200	850	4800	NA	<50	NA	NA	NA	NA	NA	NA	30.56	22.49	8.07	NA	NA	NA
S-6	7/28/2005	54000	16000	9100	1800	5900	NA	<130	NA	NA	NA	NA	NA	NA	30.56	19.38	11.18	NA	NA	NA
S-6	10/5/2005	59000	14000	7500	1400	5000	NA	<50	NA	NA	NA	NA	NA	NA	30.56	18.32	12.24	NA	NA	NA
S-6	2/9/2006	41100	7060	3900	673	2380	NA	<0.500	NA	NA	NA	NA	NA	NA	30.56	17.11	13.45	NA	NA	NA
S-6	5/15/2006	188000	24800	20700	2540	12400	NA	<25.0	NA	NA	NA	NA	NA	NA	30.56	19.80	10.76	NA	NA	NA
S-6	8/23/2006	133000	24900	16100	2280	10500	NA	<0.500	NA	NA	NA	NA	NA	NA	30.56	20.45	10.11	NA	NA	NA
S-6	11/15/2006	66000	19000	8400	1900	7400	NA	<400	NA	NA	NA	NA	NA	NA	30.56	20.41	10.15	NA	NA	NA
S-6	1/30/2007	88000	18000	9600	1900	7200	NA	<100	NA	NA	NA	NA	NA	NA	30.56	20.47	10.09	NA	NA	NA
S-6	5/29/2007	56000 h	17000	6700	1700	5400	NA	<20	NA	NA	NA	NA	NA	NA	30.56	20.40	10.16	NA	NA	NA
S-6	8/15/2007	57000 h,i	15000	6800	1600	6100	NA	<100	NA	NA	NA	NA	NA	NA	30.56	20.49	10.07	NA	NA	NA
S-6	11/28/2007	42000 h	13000	5000	1300	5000	NA	<100	NA	NA	NA	NA	NA	NA	30.56	20.65	9.91	NA	NA	NA
S-6	2/8/2008	35000 h	12000	5000	1200	4050	NA	<100	NA	NA	NA	NA	<50	<100	30.56	20.31	10.25	NA	NA	NA
S-6	5/8/2008	45000 h	15000	6100	1400	5000	NA	<100	NA	NA	NA	NA	<50	<100	30.56	20.63	9.93	NA	NA	NA
S-6	8/14/2008	37000	11000	5200	1200	4600	NA	<100	NA	NA	NA	NA	<50	<100	30.56	20.65	9.91	NA	NA	NA
S-6	11/11/2008 k	37000	15000	6200	1200	3390	NA	<10	NA	NA	NA	NA	<5.0	<10	30.56	20.79	9.77	NA	NA	NA
S-6	11/11/2008 l	14000	5200	680	400	1060	NA	<50	NA	NA	NA	NA	<25	<50	30.56	20.79	9.77	NA	NA	NA
S-6	1/5/2009	53000	9400	3600	890	3100	NA	<100	NA	NA	NA	NA	<50	<100	30.56	21.66	8.90	NA	NA	NA
S-6	4/9/2009	Unable to sample		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.56	NA	NA	NA	NA	NA
S-6	4/21/2009	13000	3700	1100	270	750	NA	<100	NA	NA	NA	NA	<50	<100	30.56	20.20	10.36	NA	NA	NA



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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (m+U735V)
S-6	7/23/2009	15000	4400	1100	360	1000	NA	NA	NA	NA	NA	NA	NA	NA	30.56	20.66	9.90	NA	1.13	-73
S-6	10/1/2009	21000	5100	1300	420	1200	NA	NA	NA	NA	NA	NA	NA	NA	30.56	20.86	9.70	NA	0.58	16
S-6	1/28/2010	8700	2600	250	200	400	NA	NA	NA	NA	NA	NA	NA	NA	30.56	20.36	10.20	NA	NA	NA
S-6	5/20/2010	4400	1600	82	85	150	NA	NA	NA	NA	NA	NA	NA	NA	30.56	20.68	9.88	NA	1.08	64
S-6	8/31/2010	19000	4700	1300	560	1600	NA	NA	NA	NA	NA	NA	NA	NA	30.56	20.78	9.78	NA	1.55	-88
S-6	12/29/2010	15000	3900	1500	520	1800	NA	NA	NA	NA	NA	NA	NA	NA	30.56	19.92	10.64	NA	2.35	123
S-8	12/22/1994	600	120	32	5.2	34	NA	NA	NA	NA	NA	NA	NA	NA	27.21	24.87	2.34	NA	NA	NA
S-8	4/20/1995	460	180	23	5.2	21	NA	NA	NA	NA	NA	NA	NA	NA	27.21	23.90	3.31	NA	NA	NA
S-8	10/4/1995	830	210	38	11	42	NA	NA	NA	NA	NA	NA	NA	NA	27.21	24.48	2.73	NA	NA	NA
S-8	1/3/1996	350	61	12	2.5	12	NA	NA	NA	NA	NA	NA	NA	NA	27.21	24.62	2.59	NA	NA	NA
S-8 (D)	1/3/1996	340	54	12	2.4	12	NA	NA	NA	NA	NA	NA	NA	NA	27.21	NA	NA	NA	NA	NA
S-8	4/11/1996	570	140	37	12	47	<6.2	NA	NA	NA	NA	NA	NA	NA	27.21	24.32	2.89	NA	NA	NA
S-8	7/11/1996	980	98	32	9.1	160	<12	NA	NA	NA	NA	NA	NA	NA	27.21	24.10	3.11	NA	NA	NA
S-8	10/2/1996	280	62	13	3.3	25	15	NA	NA	NA	NA	NA	NA	NA	27.21	25.38	1.83	NA	NA	NA
S-8 (D)	10/2/1996	490	110	24	7.0	45	22	<2.0	NA	NA	NA	NA	NA	NA	27.21	NA	NA	NA	NA	NA
S-8	1/22/1997	400	90	13	4.9	25	12	NA	NA	NA	NA	NA	NA	NA	27.21	23.91	3.30	NA	NA	NA
S-8	7/21/1997	2900	380	110	26	260	85	NA	NA	NA	NA	NA	NA	NA	27.21	23.62	3.59	NA	NA	NA
S-8 (D)	7/21/1997	3200	420	120	32	300	130	NA	NA	NA	NA	NA	NA	NA	27.21	NA	NA	NA	NA	NA
S-8	1/22/1998	3800	790	140	42	330	160	NA	NA	NA	NA	NA	NA	NA	27.21	23.52	3.69	NA	NA	NA
S-8 (D)	1/22/1998	3500	780	120	33	300	160	NA	NA	NA	NA	NA	NA	NA	27.21	NA	NA	NA	NA	NA
S-8	7/8/1998	3600	1800	<25	<25	<25	<125	NA	NA	NA	NA	NA	NA	NA	27.21	21.52	5.69	NA	NA	NA
S-8 (D)	7/8/1998	4000	1800	<25	<25	31	<125	NA	NA	NA	NA	NA	NA	NA	27.21	NA	NA	NA	NA	NA
S-8	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	27.21	22.01	5.20	NA	NA	NA
S-8	1/28/1999	2000	630	6.2	24	51	43	NA	NA	NA	NA	NA	NA	NA	27.21	23.03	4.18	NA	NA	NA
S-8	4/23/1999	1050	408	<5.00	<5.00	6.65	<50.0	NA	NA	NA	NA	NA	NA	NA	27.21	22.15	5.06	NA	NA	NA
S-8	7/29/1999	955	344	<2.50	6.90	16.2	<25.0	NA	NA	NA	NA	NA	NA	NA	27.21	21.95	5.26	NA	NA	NA
S-8	11/1/1999	1800	550	6.45	15	40.4	<50.0	NA	NA	NA	NA	NA	NA	NA	27.21	22.55	4.66	NA	NA	NA
S-8	1/7/2000	1300	600	11	29	48	<13	NA	NA	NA	NA	NA	NA	NA	27.21	22.87	4.34	NA	NA	NA
S-8	4/11/2000	342	101	4.42	4.24	14.7	21.4	NA	NA	NA	NA	NA	NA	NA	27.21	21.86	5.35	NA	NA	NA
S-8	7/19/2000	579	228	6.37	6.45	25.0	<12.5	NA	NA	NA	NA	NA	NA	NA	27.21	21.93	5.28	NA	NA	NA
S-8	10/12/2000	947	340	8.64	3.26	38.3	<12.5	<2.00	NA	NA	NA	NA	NA	NA	27.21	22.92	4.29	NA	NA	NA
S-8	1/9/2001	1090	394	<10.0	<10.0	33.3	57.6	NA	NA	NA	NA	NA	NA	NA	27.21	23.19	4.02	NA	NA	NA
S-8	4/6/2001	671	182	12.5	16.4	47.1	42.5	NA	NA	NA	NA	NA	NA	NA	27.21	22.46	4.75	NA	NA	NA
S-8	7/25/2001	500	70	6.7	11	23	NA	<5.0	NA	NA	NA	NA	NA	NA	27.21	22.50	4.71	NA	NA	NA
S-8	11/1/2001	1900	250	28	39	180	NA	<5.0	NA	NA	NA	NA	NA	NA	27.21	22.44	4.77	NA	NA	NA

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (m+U735V)
S-8	01/17/2002 d	830	140	11	12	89	NA	<5.0	NA	NA	NA	NA	NA	NA	27.21	21.82	5.39	NA	NA	NA
S-8	05/08/2002 d	210	34	1.7	4.1	15	NA	<5.0	NA	NA	NA	NA	NA	NA	27.21	21.35	5.86	NA	NA	NA
S-8	7/18/2002	650	68	2.8	9.7	42	NA	<5.0	NA	NA	NA	NA	NA	NA	35.85	21.53	14.32	NA	NA	NA
S-8	10/15/2002	1000	160	4.2	7.7	74	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	21.97	13.88	NA	NA	NA
S-8	1/2/2003	440	55	1.8	2.9	31	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	21.95	13.90	NA	NA	NA
S-8	4/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	21.73	14.12	NA	NA	NA
S-8	7/14/2003	60	6.8	<0.50	0.98	4.9	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	21.40	14.45	NA	NA	NA
S-8	10/20/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	21.94	13.91	NA	NA	NA
S-8	1/22/2004	210	19	0.52	3.6	17	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	21.40	14.45	NA	NA	NA
S-8	4/19/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	20.83	15.02	NA	NA	NA
S-8	7/13/2004	420	77	0.82	14	31	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	21.05	14.80	NA	NA	NA
S-8	10/28/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	21.77	14.08	NA	NA	NA
S-8	1/17/2005	490	85	0.89	13	28	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	20.92	14.93	NA	NA	NA
S-8	4/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	21.57	14.28	NA	NA	NA
S-8	7/28/2005	64	12	<0.50	1.5	1.6	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	21.62	14.23	NA	NA	NA
S-8	10/5/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	21.11	14.74	NA	NA	NA
S-8	2/9/2006	<50.0	2.79	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	NA	NA	35.85	20.18	15.67	NA	NA	NA
S-8	5/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	20.53	15.32	NA	NA	NA
S-8	8/23/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	NA	NA	35.85	21.49	14.36	NA	NA	NA
S-8	11/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	22.05	13.80	NA	NA	NA
S-8	1/30/2007	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	22.41	13.44	NA	NA	NA
S-8	5/29/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	22.65	13.20	NA	NA	NA
S-8	8/15/2007	65 h,i	7.4	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	NA	NA	35.85	22.88	12.97	NA	NA	NA
S-8	11/28/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	23.20	12.65	NA	NA	NA
S-8	2/8/2008	350 h	22	<1.0	4.8	2.6	NA	1.2	NA	NA	NA	NA	<0.50	<1.0	35.85	22.72	13.13	NA	NA	NA
S-8	5/8/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	22.91	12.94	NA	NA	NA
S-8	8/14/2008	420	28	<1.0	6.3	1.4	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	35.85	23.12	12.73	NA	NA	NA
S-8	11/11/2008 k	330	37	<1.0	5.1	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	35.85	23.37	12.48	NA	1.6	28
S-8	11/11/2008 l	480	29	<1.0	5.4	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.85	23.37	12.48	NA	2.2	103
S-8	12/18/2008	340	38	<1.0	5.4	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.83	23.31	12.52	NA	NA	NA
S-8	1/5/2009	170	15	<1.0	1.2	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.83	23.28	12.55	NA	NA	NA
S-8	1/15/2009	260	45	<1.0	3.2	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.83	23.05	12.78	NA	NA	NA
S-8	2/12/2009	88	7.2	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.83	23.34	12.49	NA	NA	NA
S-8	3/12/2009	12,000	1,700	2,100	200	2,400	NA	NA	NA	NA	NA	NA	NA	NA	35.83	22.90	12.93	NA	NA	NA
S-8	4/9/2009	170	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.83	23.10	12.73	NA	NA	594
S-8	7/23/2009	140	0.55	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.83	23.02	12.81	NA	2.38	-54

**WELL CONCENTRATIONS - TABLE 1**  
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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (m+U735V)
S-8	10/1/2009	140	0.68	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.83	23.31	12.52	NA	4.34	359
S-8	1/28/2010	<50	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.83	22.80	13.03	NA	NA	NA
S-8	5/20/2010	<50	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.83	23.55	12.28	NA	0.64	42
S-8	8/31/2010	<50	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.83	23.48	12.35	NA	0.54	-72
S-8	12/29/2010	79	0.83	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.83	23.18	12.65	NA	0.74	133
S-9	12/22/1994	2600	400	150	42	310	NA	NA	NA	NA	NA	NA	NA	NA	26.06	24.37	1.69	NA	NA	NA
S-9	4/20/1995	1900	400	130	51	200	NA	NA	NA	NA	NA	NA	NA	NA	26.06	23.49	2.57	NA	NA	NA
S-9	10/4/1995	3200	590	260	68	280	NA	NA	NA	NA	NA	NA	NA	NA	26.06	24.01	2.05	NA	NA	NA
S-9	1/3/1996	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA	NA	NA
S-9	4/11/1996	2100	440	1500	42	210	<25	NA	NA	NA	NA	NA	NA	NA	26.06	23.61	2.45	NA	NA	NA
S-9	7/11/1996	5200	940	450	120	520	<50	NA	NA	NA	NA	NA	NA	NA	26.06	23.78	2.28	NA	NA	NA
S-9 (D)	7/11/1996	4800	890	430	110	500	<50	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA	NA	NA
S-9	10/2/1996	3000	680	220	56	270	<62	NA	NA	NA	NA	NA	NA	NA	26.06	24.31	1.75	NA	NA	NA
S-9	1/22/1997	1500	230	71	36	130	<12	NA	NA	NA	NA	NA	NA	NA	26.06	23.08	2.98	NA	NA	NA
S-9	7/21/1997	3400	590	57	19	210	96	NA	NA	NA	NA	NA	NA	NA	26.06	22.83	3.23	NA	NA	NA
S-9	1/22/1998	2600	300	46	<10	270	62	NA	NA	NA	NA	NA	NA	NA	26.06	21.96	4.10	NA	NA	NA
S-9	7/8/1998	820	150	6.2	7.5	57	<10	NA	NA	NA	NA	NA	NA	NA	26.06	20.85	5.21	NA	NA	NA
S-9	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.39	4.67	NA	NA	NA
S-9	1/28/1999	<50	1	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	26.06	22.32	3.74	NA	NA	NA
S-9	4/23/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.41	4.65	NA	NA	NA
S-9	7/29/1999	117	7.77	0.817	0.683	5.05	<5.00	NA	NA	NA	NA	NA	NA	NA	26.06	21.25	4.81	NA	NA	NA
S-9	11/1/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.92	4.14	NA	NA	NA
S-9	1/7/2000	<50	1.2	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	26.06	22.11	3.95	NA	NA	NA
S-9	4/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.14	4.92	NA	NA	NA
S-9	7/19/2000	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA	NA	NA
S-9	10/12/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	22.24	3.82	NA	NA	NA
S-9	1/9/2001	<50.0	1.45	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	26.06	22.52	3.54	NA	NA	NA
S-9	4/6/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	23.61	2.45	NA	NA	NA
S-9	7/25/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA	NA	NA
S-9	8/13/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA	NA	NA
S-9	11/1/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.78	4.28	NA	NA	NA
S-9	01/17/2002 d	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	26.06	21.15	4.91	NA	NA	NA
S-9	5/8/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	20.56	5.50	NA	NA	NA
S-9	7/18/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	34.70	20.88	13.82	NA	NA	NA
S-9	10/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.41	13.29	NA	NA	NA

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S-9	1/2/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	34.70	21.35	13.35	NA	NA	NA
S-9	4/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.14	13.56	NA	NA	NA
S-9	7/14/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	34.70	20.80	13.90	NA	NA	NA
S-9	10/20/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.33	13.37	NA	NA	NA
S-9	1/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	34.70	20.77	13.93	NA	NA	NA
S-9	4/19/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	20.06	14.64	NA	NA	NA
S-9	7/13/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NN	34.70	20.44	14.26	NA	NA	NA
S-9	10/28/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.02	13.68	NA	NA	NA
S-9	1/17/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	34.70	20.18	14.52	NA	NA	NA
S-9	4/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.85	12.85	NA	NA	NA
S-9	7/28/2005	360	190	1.8	1.1	3.9	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	34.70	21.22	13.48	NA	NA	NA
S-9	10/5/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	20.63	14.07	NA	NA	NA
S-9	2/9/2006	<50.0	0.94	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	NA	NA	34.70	19.23	15.47	NA	NA	NA
S-9	5/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	20.28	14.42	NA	NA	NA
S-9	8/23/2006	7000	1740	55.6	193	278	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	NA	34.70	21.31	13.39	NA	NA	NA
S-9	11/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.79	12.91	NA	NA	NA
S-9	1/30/2007	12000	2200	250	480	980	NA	<0.50	NA	NA	NA	NA	NA	NA	34.70	22.08	12.62	NA	NA	NA
S-9	5/29/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	22.22	12.48	NA	NA	NA
S-9	8/15/2007	9800 h,i	2400	100	410	602	NA	<10	<20	<20	<20	<100	NA	NA	34.70	22.43	12.27	NA	NA	NA
S-9	11/28/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	22.75	11.95	NA	NA	NA
S-9	2/8/2008	69 h	2.2	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	34.70	22.31	12.39	NA	NA	NA
S-9	5/8/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	22.49	12.21	NA	NA	NA
S-9	8/14/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	34.70	22.70	12.00	NA	NA	NA
S-9	11/11/2008 k	<50	2.4	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	34.70	22.90	11.80	NA	1.1	92
S-9	11/11/2008 l	550	74	12	22	55.3	NA	NA	NA	NA	NA	NA	NA	NA	34.70	22.90	11.80	NA	3.6	98
S-9	12/18/2008	1500	280	43	71	182	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.81	11.53	NA	NA	NA
S-9	1/5/2009	1000	230	24	45	64	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.75	11.59	NA	NA	NA
S-9	1/15/2009	2100	560	75	100	245	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.37	11.97	NA	NA	NA
S-9	2/12/2009	500	120	19	26	50	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.61	11.73	NA	NA	NA
S-9	3/12/2009	810	200	30	50	110	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.22	12.12	NA	NA	NA
S-9	4/9/2009	2300	450	60	110	260	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.12	12.22	NA	0.65	79
S-9	5/18/2009	1500	200	35	61	180	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.09	12.25	NA	2.71	173
S-9	7/23/2009	1700	430	49	110	190	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.48	11.86	NA	0.21	346
S-9	10/1/2009	1200	180	12	58	93	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.84	11.50	NA	1.37	146
S-9	11/9/2009	1400	260	21	67	81	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.63	11.71	NA	0.42	NA
S-9	12/1/2009	1100	110	11	26	59	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.44	11.90	NA	1.09	133

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (m+U735V)
S-9	1/28/2010	860	130	9.3	38	79	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.35	11.99	NA	1.95	NA
S-9	5/20/2010	1900	340	27	100	210	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.40	11.94	NA	0.17	138
S-9	6/22/2010	1400	240	30	65	130	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.64	11.70	NA	2.16	577
S-9	8/31/2010	760	130	13	54	110	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	34.34	22.92	11.42	NA	1.53	415
S-9	12/29/2010	290	55	3.3	18	41	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.62	11.72	NA	1.64	163
S-10	12/22/1994	420	27	8.0	18	45	NA	NA	NA	NA	NA	NA	NA	NA	28.04	25.84	2.20	NA	NA	NA
S-10	4/20/1995	820	49	3.7	97	52	NA	NA	NA	NA	NA	NA	NA	NA	28.04	24.92	3.12	NA	NA	NA
S-10	10/4/1995	240	6.5	1.1	16	12	NA	NA	NA	NA	NA	NA	NA	NA	28.04	25.47	2.57	NA	NA	NA
S-10	1/3/1996	1100	27	4.9	110	70	NA	NA	NA	NA	NA	NA	NA	NA	28.04	25.60	2.44	NA	NA	NA
S-10	4/11/1996	530	19	1.6	82	52	<5.0	NA	NA	NA	NA	NA	NA	NA	28.04	25.27	2.77	NA	NA	NA
S-10	7/11/1996	570	16	3.2	53	53	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	25.46	2.58	NA	NA	NA
S-10	10/2/1996	270	8.2	0.77	24	23	3.3	NA	NA	NA	NA	NA	NA	NA	28.04	25.81	2.23	NA	NA	NA
S-10	1/22/1997	160	4.8	0.73	16	11	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	24.74	3.30	NA	NA	NA
S-10	7/21/1997	530	5.7	0.70	29	69	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	24.50	3.54	NA	NA	NA
S-10	1/22/1998	1500	15	<5.0	88	130	<25	NA	NA	NA	NA	NA	NA	NA	28.04	24.44	3.60	NA	NA	NA
S-10	7/8/1998	530	4.8	1.1	47	51	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	22.36	5.68	NA	NA	NA
S-10	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	22.81	5.23	NA	NA	NA
S-10	1/28/1999	630	4.6	0.98	<0.50	59	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	23.82	4.22	NA	NA	NA
S-10	4/23/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	22.96	5.08	NA	NA	NA
S-10	7/29/1999	728	3.4	<1.00	41.8	38.0	<10.0	NA	NA	NA	NA	NA	NA	NA	28.04	22.63	5.41	NA	NA	NA
S-10	11/1/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	23.02	5.02	NA	NA	NA
S-10	1/7/2000	870	8.5	1.3	110	110	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	23.33	4.71	NA	NA	NA
S-10	4/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	22.64	5.40	NA	NA	NA
S-10	7/19/2000	612	3.75	<0.500	41.6	43.6	<2.50	NA	NA	NA	NA	NA	NA	NA	28.04	23.04	5.00	NA	NA	NA
S-10	10/12/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	23.92	4.12	NA	NA	NA
S-10	1/9/2001	647	7.62	1.01	66.2	42.4	<2.50	NA	NA	NA	NA	NA	NA	NA	28.04	24.13	3.91	NA	NA	NA
S-10	4/6/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	25.37	2.67	NA	NA	NA
S-10	7/25/2001	340	1.5	<0.50	42	19	NA	<5.0	NA	NA	NA	NA	NA	NA	28.04	25.35	2.69	NA	NA	NA
S-10	11/1/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	23.22	4.82	NA	NA	NA
S-10	01/17/2002 d	1100	3.5	<0.50	55	46	NA	<5.0	NA	NA	NA	NA	NA	NA	28.04	22.72	5.32	NA	NA	NA
S-10	5/8/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	22.35	5.69	NA	NA	NA
S-10	7/18/2002	750	1.8	<0.50	42	26	NA	<5.0	NA	NA	NA	NA	NA	NA	36.35	22.05	14.30	NA	NA	NA
S-10	10/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.51	13.84	NA	NA	NA
S-10	1/2/2003	440	1.8	<0.50	14	24	NA	<5.0	NA	NA	NA	NA	NA	NA	36.35	22.50	13.85	NA	NA	NA
S-10	4/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.32	14.03	NA	NA	NA

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (m+U735V)
S-10	7/14/2003	210	0.86	<0.50	13	12	NA	<0.50	NA	NA	NA	NA	NA	NA	36.35	21.99	14.36	NA	NA	NA
S-10	10/20/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.53	13.82	NA	NA	NA
S-10	1/22/2004	280	0.88	<0.50	10	11	NA	<0.50	NA	NA	NA	NA	NA	NA	36.35	22.02	14.33	NA	NA	NA
S-10	4/19/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	21.43	14.92	NA	NA	NA
S-10	7/13/2004	770	1.5	<0.50	70	42	NA	<0.50	NA	NA	NA	NA	NA	NA	36.35	21.68	14.67	NA	NA	NA
S-10	10/28/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.37	13.98	NA	NA	NA
S-10	1/17/2005	1100	1.5	<0.50	73	51	NA	<0.50	NA	NA	NA	NA	NA	NA	36.35	21.45	14.90	NA	NA	NA
S-10	4/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.18	14.17	NA	NA	NA
S-10	7/28/2005	260	<0.50	<0.50	19	9.7	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	36.35	22.25	14.10	NA	NA	NA
S-10	10/5/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	21.70	14.65	NA	NA	NA
S-10	2/9/2006	630	<0.500	<0.500	13.8	13.8	NA	<0.500	NA	NA	NA	NA	NA	NA	36.35	20.37	15.98	NA	NA	NA
S-10	5/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	21.31	15.04	NA	NA	NA
S-10	8/23/2006	<50.0	<0.500	<0.500	14.5	3.4	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	NA	36.35	22.12	14.23	NA	NA	NA
S-10	11/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.68	13.67	NA	NA	NA
S-10	1/30/2007	120	<0.50	<0.50	7	3.3	NA	<0.50	NA	NA	NA	NA	NA	NA	36.35	23.09	13.26	NA	NA	NA
S-10	5/29/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.20	13.15	NA	NA	NA
S-10	8/15/2007	64 h,i	0.15 j	<1.0	1.4	0.72 j	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	36.35	23.48	12.87	NA	NA	NA
S-10	11/28/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.82	12.53	NA	NA	NA
S-10	2/8/2008	61 h	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	36.35	23.31	13.04	NA	NA	NA
S-10	5/8/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.55	12.80	NA	NA	NA
S-10	8/14/2008	58	<0.50	<1.0	2.7	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	36.35	23.75	12.60	NA	NA	NA
S-10	11/11/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.08	13.27	NA	NA	NA
S-10	12/18/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.35	24.00	12.35	NA	NA	NA
S-10	1/5/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.87	12.48	NA	NA	NA
S-10	1/15/2009	<50	<0.50	<1.0	1.1	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.66	12.69	NA	NA	NA
S-10	2/12/2009	56	<0.50	<1.0	3.4	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.96	12.39	NA	NA	NA
S-10	3/12/2009	53	<0.50	<1.0	4.9	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.44	12.91	NA	NA	NA
S-10	4/9/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.26	13.09	NA	NA	NA
S-10	7/23/2009	66	<0.50	<1.0	5.7	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.56	12.79	NA	0.06	112
S-10	10/1/2009	76	<0.50	<1.0	4.6	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.80	12.55	NA	1.26	206
S-10	1/28/2010	100	<0.50	<1.0	3.6	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.30	13.05	NA	NA	NA
S-10	5/20/2010	52	<0.50	<1.0	1.9	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.35	24.04	12.31	NA	0.68	59
S-10	8/31/2010	<50	0.69	<1.0	1.4	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	36.35	24.24	12.11	NA	0.51	-3
S-10	12/29/2010	95	<0.50	<1.0	3.4	1.4	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.89	12.46	NA	0.43	87
S-12	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.58	11.86	NA	NA	NA

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (m+U735V)
S-12	2/8/2008	55 h	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	36.44	24.32	12.12	NA	NA	NA
S-12	5/8/2008	<50 h	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	36.44	24.51	11.93	NA	NA	NA
S-12	8/14/2008	<50	1.0	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	36.44	24.63	11.81	NA	NA	NA
S-12	11/11/2008 k	<50	0.95	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	36.44	24.85	11.59	NA	0.2	37
S-12	11/11/2008 l	65	8.1	2.2	4.8	1.5	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.85	11.59	NA	0.2	45
S-12	12/18/2008	<50	8.3	<1.0	1.8	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.81	11.63	NA	NA	NA
S-12	1/5/2009	95	16	<1.0	3.2	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.75	11.69	NA	NA	NA
S-12	1/15/2009	140	36	<1.0	12	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.54	11.90	NA	NA	NA
S-12	2/12/2009	<50	5.0	<1.0	1.6	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.81	11.63	NA	NA	NA
S-12	3/12/2009	<50	4.8	<1.0	1.5	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.41	12.03	NA	NA	NA
S-12	4/9/2009	59	6.0	<1.0	1.6	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.23	12.21	NA	0.50	-3
S-12	7/23/2009	130	29	<1.0	13	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.50	11.94	NA	0.07	142
S-12	10/1/2009	130	25	<1.0	15	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.76	11.68	NA	0.74	135
S-12	1/28/2010	110	14	<1.0	19	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.28	12.16	NA	NA	NA
S-12	5/20/2010	75	8.5	<1.0	7.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.71	11.73	NA	0.14	740
S-12	8/31/2010	<50	0.56	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	25.08	11.36	NA	1.18	180
S-12	12/29/2010	<50	0.98	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.60	11.84	NA	1.27	121
S-13	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.16	23.33	11.83	NA	NA	NA
S-13	2/8/2008	14000 h	1900	1300	280	3000	NA	<10	NA	NA	NA	NA	<5.0	<10	35.16	23.01	12.15	NA	NA	NA
S-13	5/8/2008	18000 h	2800	3400	550	3500	NA	<10	NA	NA	NA	NA	<5.0	<10	35.16	23.31	11.85	NA	NA	NA
S-13	8/14/2008	16000	2400	3100	580	3100	NA	<20	NA	NA	NA	NA	<10	<20	35.16	23.31	11.85	NA	NA	NA
S-13	11/11/2008 k	16000	2400	2800	270	2500	NA	<50	NA	NA	NA	NA	<25	<50	35.16	23.60	11.56	NA	0.8	-48
S-13	11/11/2008 l	4400	560	630	88	530	NA	NA	NA	NA	NA	NA	NA	NA	35.16	23.60	11.56	NA	1.2	-60
S-13	12/18/2008	3900	530	560	76	510	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.61	11.44	NA	NA	NA
S-13	1/5/2009	8200	700	670	67	1000	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.54	11.51	NA	NA	NA
S-13	1/15/2009	5400	610	610	48	950	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.10	11.95	NA	NA	NA
S-13	2/12/2009	6300	800	1000	110	870	NA	NA	NA	NA	NA	NA	NA	NA	35.05	22.36	12.69	NA	NA	NA
S-13	3/12/2009	14000	1700	2300	190	2400	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.20	11.85	NA	NA	NA
S-13	4/9/2009	35000	510	7800	1000	4300	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.02	12.03	NA	25.9	433
S-13	5/18/2009	35000	820	7000	1100	6600	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.07	11.98	NA	5.21	83
S-13	7/23/2009	18000	1800	3000	480	2500	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.51	11.54	NA	1.23	148
S-13	10/1/2009	2000	330	87	33	5.2	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.61	11.44	NA	1.23	413
S-13	11/9/2009	15000	1100	1500	300	1800	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.41	11.64	NA	0.71	NA
S-13	12/1/2009	1600	210	190	34	36	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.15	11.90	NA	16.3	231
S-13	1/28/2010	5900	370	930	100	680	NA	NA	NA	NA	NA	NA	NA	NA	35.05	22.94	12.11	NA	2.18	NA

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S-13	5/20/2010	400	35	120	9.5	52	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.36	11.69	NA	0.31	211
S-13	6/22/2010	16000	570	3000	260	2000	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.20	11.85	NA	1.10	412
S-13	8/31/2010	3000	140	490	83	540	NA	NA	NA	NA	NA	NA	NA	NA	35.05	24.00	11.05	NA	0.90	400
S-13	12/29/2010	8700	600	1700	260	1700	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.48	11.57	NA	0.69	231
S-14	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.94	22.68	12.26	NA	NA	NA
S-14	2/8/2008	5300 h	380	300	34	970	NA	<10	NA	NA	NA	NA	<5.0	<10	34.94	22.82	12.12	NA	NA	NA
S-14	5/8/2008	4300 h	750	270	30	520	NA	<10	NA	NA	NA	NA	<5.0	<10	34.94	22.41	12.53	NA	NA	NA
S-14	Well destroyed	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-14R	11/7/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.19	22.91	12.28	NA	NA	NA
S-14R	11/11/2008 k	8500	680	270	<25	1110	NA	NA	NA	NA	NA	NA	NA	NA	35.19	23.13	12.06	NA	0.60	115
S-14R	11/11/2008 l	4300	270	190	43	470	NA	NA	NA	NA	NA	NA	NA	NA	35.19	23.13	12.06	NA	1.5	116
S-14R	12/18/2008	7800	530	640	79	1010	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.80	12.15	NA	NA	NA
S-14R	1/5/2009	2100	89	86	19	140	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.80	12.15	NA	NA	NA
S-14R	1/15/2009	4800	430	540	83	730	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.57	12.38	NA	NA	NA
S-14R	2/12/2009	1000	40	29	7.3	55	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.89	12.06	NA	NA	NA
S-14R	3/12/2009	350	22	18	3.3	29	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.39	12.56	NA	NA	NA
S-14R	4/9/2009	2300	230	240	47	250	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.35	12.60	NA	0.30	430
S-14R	5/18/2009	750	51	48	17	67	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.20	12.75	NA	5.63	93
S-14R	7/23/2009	600	81	57	19	47	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.56	12.39	NA	0.05	246
S-14R	10/1/2009	230	12	10	5.3	23	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.90	12.05	NA	2.22	201
S-14R	11/9/2009	330	47	21	11	39	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.68	12.27	NA	0.75	NA
S-14R	12/1/2009	420	38	27	12	39	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.62	12.33	NA	0.45	110
S-14R	1/28/2010	270	45	27	11	32	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.38	12.57	NA	3.75	NA
S-14R	5/20/2010	330	17	10	2.7	13	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.72	12.23	NA	0.96	102
S-14R	8/31/2010	130	5.8	3.5	1.4	6.1	NA	NA	NA	NA	NA	NA	NA	NA	34.95	23.12	11.83	NA	1.55	-13
S-14R	12/29/2010	480	56	30	13	52	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.75	12.20	NA	0.48	375
S-15	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.34	23.00	12.34	NA	NA	NA
S-15	2/8/2008	55000 h	6700	13000	1100	9800	NA	<10	NA	NA	NA	NA	<5.0	<10	35.34	22.71	12.63	NA	NA	NA
S-15	5/8/2008	53000 h	6300	13000	1500	7500	NA	<200	NA	NA	NA	NA	<100	<200	35.34	22.91	12.43	NA	NA	NA
S-15	Well destroyed	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-16	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.08	23.88	12.20	NA	NA	NA
S-16	2/8/2008	6000 h	670	730	88	1290	NA	<5.0	NA	NA	NA	NA	<2.5	<5.0	36.08	23.52	12.56	NA	NA	NA



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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (m+U735V)
S-16	5/8/2008	3200 h	670	320	18	580	NA	<10	NA	NA	NA	NA	<5.0	<10	36.08	23.69	12.39	NA	NA	NA
S-16	Well destroyed	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-17	6/19/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.49	23.30	12.19	NA	NA	NA
S-17	6/25/2008	21000	1300	1300	160	2850	NA	<5.0	NA	NA	NA	NA	<2.5	<5.0	35.49	23.33	12.16	NA	NA	NA
S-17	8/14/2008	14000	1700	1700	310	2250	NA	<10	NA	NA	NA	NA	<5.0	<10	35.49	23.50	11.99	NA	NA	NA
S-17	11/11/2008 k	7200	1600	820	140	760	NA	<5.0	NA	NA	NA	NA	<2.5	<5.0	35.49	23.70	11.79	NA	NA	NA
S-17	11/11/2008 l	32000	2500	3100	820	4000	NA	<25	NA	NA	NA	NA	<12	<25	35.49	23.70	11.79	NA	NA	NA
S-17	1/5/2009	15000	790	700	150	1200	NA	<10	NA	NA	NA	NA	<5.0	<10	35.50	23.66	11.84	NA	NA	NA
S-17	1/15/2009	2300	220	170	19	300	NA	NA	NA	NA	NA	NA	NA	NA	35.50	23.37	12.13	NA	NA	NA
S-17	2/12/2009	4700	750	200	37	23	NA	NA	NA	NA	NA	NA	NA	NA	35.50	23.66	11.84	NA	NA	NA
S-17	3/12/2009	3300	640	370	81	290	NA	NA	NA	NA	NA	NA	NA	NA	35.50	23.24	12.26	NA	NA	NA
S-17	4/9/2009	1300	200	110	37	100	NA	NA	NA	NA	NA	NA	NA	NA	35.50	23.20	12.30	NA	0.69	429
S-17	5/18/2009	630	97	44	17	25	NA	NA	NA	NA	NA	NA	NA	NA	35.50	23.21	12.29	NA	5.93	442
S-17	7/23/2009	3900	480	410	160	480	NA	NA	NA	NA	NA	NA	NA	NA	35.50	23.70	11.80	NA	0.15	34
S-17	10/1/2009	1300	32	24	3.1	72	NA	NA	NA	NA	NA	NA	NA	NA	35.50	23.64	11.86	NA	1.30	204
S-17	11/9/2009	5300	260	330	56	500	NA	NA	NA	NA	NA	NA	NA	NA	35.50	23.52	11.98	NA	0.18	NA
S-17	12/1/2009	3300	190	210	52	240	NA	NA	NA	NA	NA	NA	NA	NA	35.50	23.41	12.09	NA	0.95	450
S-17	1/28/2010	3500	260	250	85	310	NA	NA	NA	NA	NA	NA	NA	NA	35.50	23.21	12.29	NA	1.93	NA
S-17	5/20/2010	370	18	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.50	23.65	11.85	NA	1.31	544
S-17	8/31/2010	1900	120	110	52	260	NA	NA	NA	NA	NA	NA	NA	NA	35.50	23.92	11.58	NA	1.32	370
S-17	12/29/2010	2600	200	150	91	280	NA	NA	NA	NA	NA	NA	NA	NA	35.50	23.60	11.90	NA	1.37	131
S-18	6/19/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.04	22.94	12.10	NA	NA	NA
S-18	6/25/2008	58000	2200	5600	880	10200	NA	<10	NA	NA	NA	NA	<5.0	<10	35.04	22.92	12.12	NA	NA	NA
S-18	8/14/2008	25000	2500	4500	860	5800	NA	<50	NA	NA	NA	NA	<25	<50	35.04	23.08	11.96	NA	NA	NA
S-18	11/11/2008 k	24000	2400	3300	820	3800	NA	<25	NA	NA	NA	NA	<12	<25	35.04	23.30	11.74	NA	NA	NA
S-18	11/11/2008 l	43000	3900	5500	1300	6500	NA	<50	NA	NA	NA	NA	<25	<50	35.04	23.30	11.74	NA	NA	NA
S-18	1/5/2009	20000	830	1000	290	1400	NA	<50	NA	NA	NA	NA	<25	<50	35.03	23.16	11.87	NA	NA	NA
S-18	1/15/2009	8200	690	790	150	1230	NA	NA	NA	NA	NA	NA	NA	NA	35.03	22.97	12.06	NA	NA	NA
S-18	2/12/2009	13000	1200	1400	330	940	NA	NA	NA	NA	NA	NA	NA	NA	35.03	23.29	11.74	NA	NA	NA
S-18	3/12/2009	52000	5300	9000	1600	10000	NA	NA	NA	NA	NA	NA	NA	NA	35.03	22.85	12.18	NA	NA	NA
S-18	4/9/2009	Insufficient water	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.03	22.79	12.24	NA	NA	NA
S-18	5/18/2009	6700	320	1100	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	35.03	22.81	12.22	NA	6.51	377
S-18	7/23/2009	8900	500	890	290	1600	NA	NA	NA	NA	NA	NA	NA	NA	35.03	22.91	12.12	NA	0.20	NA
S-18	10/1/2009	1800	49	5.5	5.3	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	35.03	23.65	11.38	NA	6.25	557

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**461 8th Street**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (m+U735V)
S-18	11/9/2009	1100	79	8.9	5.3	1.1	NA	NA	NA	NA	NA	NA	NA	NA	35.03	23.19	11.84	NA	0.26	NA
S-18	12/1/2009	570	50	7.5	2.7	1.2	NA	NA	NA	NA	NA	NA	NA	NA	35.03	23.12	11.91	NA	4.07	460
S-18	1/28/2010	1200	170	91	18	68	NA	NA	NA	NA	NA	NA	NA	NA	35.03	22.86	12.17	NA	1.90	NA
S-18	5/20/2010	3900	500	690	79	240	NA	NA	NA	NA	NA	NA	NA	NA	35.03	23.12	11.91	NA	1.77	169
S-18	6/22/2010	13000	1700	2800	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	35.03	23.10	11.93	NA	0.58	499
S-18	8/31/2010	6600	970	1100	230	1000	NA	NA	NA	NA	NA	NA	NA	NA	35.03	23.55	11.48	NA	1.23	258
S-18	12/29/2010	8500	1000	750	410	1800	NA	NA	NA	NA	NA	NA	NA	NA	35.03	23.23	11.80	NA	0.79	70
S-19	11/7/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.78	22.73	12.05	NA	NA	NA
S-19	11/11/2008 k	7100	500	600	25	1010	NA	NA	NA	NA	NA	NA	NA	NA	34.78	22.87	11.91	NA	1.0	62
S-19	11/11/2008 l	2300	110	160	43	280	NA	NA	NA	NA	NA	NA	NA	NA	34.78	22.87	11.91	NA	1.3	71
S-19	12/18/2008	2900	190	300	41	420	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.60	11.97	NA	NA	NA
S-19	1/5/2009	3400	230	250	50	380	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.56	12.01	NA	NA	NA
S-19	1/15/2009	3100	340	540	70	440	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.31	12.26	NA	NA	NA
S-19	2/12/2009	1300	130	180	37	190	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.58	11.99	NA	NA	NA
S-19	3/12/2009	880	110	150	30	160	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.44	12.13	NA	NA	NA
S-19	4/9/2009	1300	140	190	32	190	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.02	12.55	NA	0.57	106
S-19	5/18/2009	780	69	87	17	100	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.04	12.53	NA	6.47	75
S-19	7/23/2009	400	77	59	15	38	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.40	12.17	NA	0.06	31
S-19	10/1/2009	1500	160	170	33	120	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.66	11.91	NA	0.52	301
S-19	11/9/2009	1600	140	160	41	160	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.44	12.13	NA	0.26	NA
S-19	12/1/2009	1600	150	180	45	170	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.62	11.95	NA	0.79	161
S-19	1/28/2010	2600	230	280	71	300	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.29	12.28	NA	1.71	NA
S-19	5/20/2010	850	110	55	11	4.6	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.49	12.08	NA	1.77	118
S-19	8/31/2010	580	79	92	22	50	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.86	11.71	NA	1.02	297
S-19	12/29/2010	920	120	120	54	150	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.48	12.09	NA	1.12	150
S-20	11/7/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.80	11.70	NA	NA	NA
S-20	11/11/2008 k	13000	1300	1600	80	1920	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.90	11.60	NA	0.8	-39
S-20	11/11/2008 l	16000	1100	1800	220	1930	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.90	11.60	NA	2.6	-64
S-20	1/5/2009	17000	1500	1700	320	1900	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.78	11.72	NA	NA	NA
S-20	2/12/2009	11000	1300	1400	230	1600	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.80	11.70	NA	2.6	-64
S-20	3/12/2009	19000	2700	3200	390	3100	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.40	12.10	NA	NA	NA
S-20	4/9/2009	8200	80	480	220	490	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.90	11.60	NA	13.80	578
S-20	5/18/2009	21000	970	1500	630	4800	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.42	12.08	NA	4.58	197
S-20	7/23/2009	41000	4900	2900	990	7300	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.73	11.77	NA	0.27	419

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S-20	10/1/2009	1800	140	39	33	39	NA	NA	NA	NA	NA	NA	NA	NA	34.50	23.00	11.50	NA	0.85	533
S-20	11/9/2009	21000	1600	740	300	2500	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.72	11.78	NA	1.67	NA
S-20	12/1/2009	12000	1100	450	160	1200	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.61	11.89	NA	1.38	347
S-20	1/28/2010	20000	2000	1600	260	2000	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.51	11.99	NA	4.40	NA
S-20	5/20/2010	4300	1100	110	26	61	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.90	11.60	NA	8.96	555
S-20	6/22/2010	7100	1300	550	120	550	NA	NA	NA	NA	NA	NA	NA	NA	34.50	23.19	11.31	NA	11.64	637
S-20	8/31/2010	9600	1800	1400	230	580	NA	NA	NA	NA	NA	NA	NA	NA	34.50	23.13	11.37	NA	0.94	529
S-20	12/29/2010	19000	2000	3100	860	3200	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.72	11.78	NA	0.92	193
S-21A	11/7/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.81	23.73	12.08	NA	NA	NA
S-21A	11/11/2008 k	96000	6100	11000	1700	10500	NA	NA	NA	NA	NA	NA	NA	NA	35.81	23.86	11.95	NA	1.6	-42
S-21A	11/11/2008 l	87000	6300	13000	1700	10300	NA	NA	NA	NA	NA	NA	NA	NA	35.81	23.86	11.95	NA	1.8	-51
S-21A	12/18/2008	17000	3700	1200	170	47	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.91	11.89	NA	NA	NA
S-21A	1/5/2009	28000	3100	2900	450	1100	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.78	12.02	NA	NA	NA
S-21A	1/15/2009	9700	2100	290	45	<25	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.53	12.27	NA	NA	NA
S-21A	2/12/2009	19000	3100	2500	330	500	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.83	11.97	NA	NA	NA
S-21A	3/12/2009	31000	2600	3800	810	3700	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.35	12.45	NA	NA	NA
S-21A	4/9/2009	7800	700	750	130	<25	NA	NA	NA	NA	NA	NA	NA	NA	35.80	24.00	11.80	NA	0.91	304
S-21A	5/18/2009	15000	1800	2200	390	1900	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.46	12.34	NA	2.37	529
S-21A	7/23/2009	51000	4800	7100	1100	7000	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.85	11.95	NA	0.14	-3
S-21A	10/1/2009	18000	2300	2200	310	2400	NA	NA	NA	NA	NA	NA	NA	NA	35.80	24.06	11.74	NA	7.92	575
S-21A	11/9/2009	41000	3500	5800	600	4800	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.73	12.07	NA	0.34	NA
S-21A	12/1/2009	43000	3100	6700	640	4900	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.60	12.20	NA	2.55	350
S-21A	1/28/2010	65000	3900	9900	970	6600	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.54	12.26	NA	1.43	NA
S-21A	5/20/2010	6000	670	760	110	150	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.92	11.88	NA	1.37	541
S-21A	6/22/2010	16000	690	2000	370	2300	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.87	11.93	NA	2.33	439
S-21A	8/31/2010	5000	230	420	190	990	NA	NA	NA	NA	NA	NA	NA	NA	35.80	24.13	11.67	NA	0.73	392
S-21A	12/29/2010	5100	500	430	230	810	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.84	11.96	NA	0.95	464
S-21B	11/7/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.79	23.68	12.11	NA	NA	NA
S-21B	11/11/2008 k	3200	49	300	93	510	NA	NA	NA	NA	NA	NA	NA	NA	35.79	23.80	11.99	NA	0.4	-108
S-21B	11/11/2008 l	7500	67	470	150	960	NA	NA	NA	NA	NA	NA	NA	NA	35.79	23.80	11.99	NA	5.6	-135
S-21B	12/18/2008	5300	36	310	120	770	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.72	12.04	NA	NA	NA
S-21B	1/5/2009	5400	35	200	93	600	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.70	12.06	NA	NA	NA
S-21B	1/15/2009	3300	30	150	78	470	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.43	12.33	NA	NA	NA
S-21B	2/12/2009	2800	12	100	69	450	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.81	11.95	NA	NA	NA

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S-21B	3/12/2009	2300	9.4	72	50	320	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.32	12.44	NA	NA	NA
S-21B	4/9/2009	890	14	55	19	140	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.20	12.56	NA	0.56	453
S-21B	5/18/2009	390	6.8	14	12	27	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.24	12.52	NA	1.62	458
S-21B	6/17/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.40	12.36	NA	NA	NA
S-21B	7/23/2009	920	5.0	17	28	120	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.52	12.24	NA	0.26	37
S-21B	10/1/2009	820	2.6	10	17	89	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.95	11.81	NA	0.96	353
S-21B	1/28/2010	810	11	6.2	10	51	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.30	12.46	NA	NA	NA
S-21B	5/20/2010	120	1.4	2.6	2.0	2.7	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.46	12.30	NA	1.63	206
S-21B	8/31/2010	500	0.81	3.4	6.9	32	NA	NA	NA	NA	NA	NA	NA	NA	35.76	24.04	11.72	NA	0.72	45
S-21B	12/29/2010	310	<0.50	1.9	4.5	21	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.59	12.17	NA	0.40	191

S-22A	11/7/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.08	22.91	12.17	NA	NA	NA
S-22A	11/11/2008 k	84000	8500	11000	2200	13900	NA	NA	NA	NA	NA	NA	NA	NA	35.08	23.15	11.93	NA	1.0	117
S-22A	11/11/2008 l	85000	7600	10000	2500	12400	NA	NA	NA	NA	NA	NA	NA	NA	35.08	23.15	11.93	NA	1.6	100
S-22A	12/18/2008	42000	6300	6600	1200	4400	NA	NA	NA	NA	NA	NA	NA	NA	35.06	23.03	12.03	NA	NA	NA
S-22A	1/5/2009	56000	4500	5300	1200	6400	NA	NA	NA	NA	NA	NA	NA	NA	35.06	23.03	12.03	NA	NA	NA
S-22A	1/15/2009	25000	5900	4400	740	1570	NA	NA	NA	NA	NA	NA	NA	NA	35.06	22.84	12.22	NA	NA	NA
S-22A	2/12/2009	43000	6700	6600	1200	5000	NA	NA	NA	NA	NA	NA	NA	NA	35.06	23.15	11.91	NA	NA	NA
S-22A	3/12/2009	35000	4600	4600	980	4600	NA	NA	NA	NA	NA	NA	NA	NA	35.06	22.65	12.41	NA	NA	NA
S-22A	4/9/2009	22000	120	1900	680	3400	NA	NA	NA	NA	NA	NA	NA	NA	35.06	22.88	12.18	NA	8.41	556
S-22A	5/18/2009	25000	4700	1300	590	3700	NA	NA	NA	NA	NA	NA	NA	NA	35.06	22.83	12.23	NA	2.46	539
S-22A	7/23/2009	40000	5100	4800	700	4900	NA	NA	NA	NA	NA	NA	NA	NA	35.06	23.01	12.05	NA	0.18	167
S-22A	10/1/2009	12000	1400	600	88	500	NA	NA	NA	NA	NA	NA	NA	NA	35.06	23.06	12.00	NA	4.08	523
S-22A	11/9/2009	18000	2700	2000	190	1300	NA	NA	NA	NA	NA	NA	NA	NA	35.06	23.14	11.92	NA	1.74	NA
S-22A	12/1/2009	24000	2300	2300	270	2000	NA	NA	NA	NA	NA	NA	NA	NA	35.06	23.10	11.96	NA	1.06	393
S-22A	1/28/2010	44000	3600	5000	620	4300	NA	NA	NA	NA	NA	NA	NA	NA	35.06	22.92	12.14	NA	1.40	NA
S-22A	5/20/2010	3100	38	<10	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	35.06	23.22	11.84	NA	0.48	423
S-22A	6/22/2010	2400	110	15	4.3	6.6	NA	NA	NA	NA	NA	NA	NA	NA	35.06	23.51	11.55	NA	6.10	542
S-22A	8/31/2010	5000	690	600	78	350	NA	NA	NA	NA	NA	NA	NA	NA	35.06	23.52	11.54	NA	1.03	553
S-22A	12/29/2010	13000	1300	1800	490	2100	NA	NA	NA	NA	NA	NA	NA	NA	35.06	23.17	11.89	NA	0.70	476

S-22B	11/7/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.15	23.06	12.09	NA	NA	NA
S-22B	11/11/2008 k	<50	<0.50	<1.0	<1.0	1.2	NA	NA	NA	NA	NA	NA	NA	NA	35.15	23.20	11.95	NA	0.9	92
S-22B	11/11/2008 l	360	3.3	12	5.8	38	NA	NA	NA	NA	NA	NA	NA	NA	35.15	23.20	11.95	NA	1.6	90
S-22B	12/18/2008	150	2.9	6.1	2.9	17.5	NA	NA	NA	NA	NA	NA	NA	NA	35.24	23.26	11.98	NA	NA	NA
S-22B	1/5/2009	110	1.9	5.0	2.6	11	NA	NA	NA	NA	NA	NA	NA	NA	35.24	28.12	7.12	NA	NA	NA

**WELL CONCENTRATIONS - TABLE 1**  
**Former Shell Service Station**  
**461 8th Street**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (m+U735V)
S-22B	1/15/2009	59	1.3	1.9	1.6	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.24	22.90	12.34	NA	NA	NA
S-22B	2/12/2009	290	11	6.8	7.9	19	NA	NA	NA	NA	NA	NA	NA	NA	35.24	23.02	12.22	NA	NA	NA
S-22B	3/12/2009	390	4.4	4.6	3.8	12	NA	NA	NA	NA	NA	NA	NA	NA	35.24	22.86	12.38	NA	NA	NA
S-22B	4/9/2009	280	5.3	2.5	4.0	6.8	NA	NA	NA	NA	NA	NA	NA	NA	35.24	22.62	12.62	NA	2.24	164
S-22B	5/18/2009	170	3.7	2.9	2.4	8.6	NA	NA	NA	NA	NA	NA	NA	NA	35.24	22.62	12.62	NA	1.42	-171
S-22B	7/23/2009	160	8.9	5.7	3.8	12	NA	NA	NA	NA	NA	NA	NA	NA	35.24	22.65	12.59	NA	0.15	28
S-22B	10/1/2009	300	2.4	1.0	1.2	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.24	23.18	12.06	NA	2.62	173
S-22B	1/28/2010	<50	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.24	22.73	12.51	NA	NA	NA
S-22B	5/20/2010	230	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.24	22.88	12.36	NA	6.14	584
S-22B	8/31/2010	<50	0.57	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.24	23.51	11.73	NA	0.92	377
S-22B	12/29/2010	<50	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.24	23.04	12.20	NA	1.07	391
S-23	11/7/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.77	23.28	12.49	NA	NA	NA
S-23	11/11/2008 k	8800	640	610	82	1260	NA	NA	NA	NA	NA	NA	NA	NA	35.77	23.58	12.19	NA	NA	NA
S-23	11/11/2008 l	6400	520	640	34	760	NA	NA	NA	NA	NA	NA	NA	NA	35.77	23.58	12.19	NA	NA	NA
S-23	1/5/2009	830	63	98	14	58	NA	NA	NA	NA	NA	NA	NA	NA	35.75	23.51	12.24	NA	NA	NA
S-23	2/12/2009	3400	160	320	55	430	NA	NA	NA	NA	NA	NA	NA	NA	35.75	23.62	12.13	NA	NA	NA
S-23	3/12/2009	4600	210	460	71	610	NA	NA	NA	NA	NA	NA	NA	NA	35.75	23.03	12.72	NA	NA	NA
S-23	4/9/2009	2700	180	95	33	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	35.75	22.98	12.77	NA	1.24	567
S-23	5/18/2009	3000	350	440	79	300	NA	NA	NA	NA	NA	NA	NA	NA	35.75	23.18	12.57	NA	19.77	503
S-23	7/23/2009	2900	180	400	67	340	NA	NA	NA	NA	NA	NA	NA	NA	35.75	23.48	12.27	NA	0.21	133
S-23	10/1/2009	790	40	24	5.4	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.75	23.82	11.93	NA	8.64	428
S-23	11/9/2009	3200	84	330	90	400	NA	NA	NA	NA	NA	NA	NA	NA	35.75	23.51	12.24	NA	0.28	NA
S-23	12/1/2009	1800	47	180	50	190	NA	NA	NA	NA	NA	NA	NA	NA	35.75	23.31	12.44	NA	2.49	472
S-23	1/28/2010	3000	100	450	110	650	NA	NA	NA	NA	NA	NA	NA	NA	35.75	23.25	12.50	NA	1.74	NA
S-23	5/20/2010	900	8.2	<5.0	<5.0	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	35.75	23.80	11.95	NA	3.76	607
S-23	6/22/2010	640	11	22	9.0	11	NA	NA	NA	NA	NA	NA	NA	NA	35.75	24.40	11.35	NA	12.96	572
S-23	8/31/2010	710	14	45	34	110	NA	NA	NA	NA	NA	NA	NA	NA	35.75	23.95	11.80	NA	1.25	322
S-23	12/29/2010	1300	45	82	56	240	NA	NA	NA	NA	NA	NA	NA	NA	35.75	23.61	12.14	NA	1.39	313
AS-1	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.33	22.91	12.42	NA	NA	NA
AS-1	2/8/2008	130 h	1.1	3.4	<1.0	5.4	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	35.33	22.62	12.71	NA	NA	NA
AS-1	5/8/2008	<50 h	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	35.33	27.78	7.55	NA	NA	NA
OW-1	4/9/2009	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
OW-1	5/18/2009	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**WELL CONCENTRATIONS - TABLE 1**  
**Former Shell Service Station**  
**461 8th Street**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (m+U735V)
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Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to July 25, 2001, analyzed by EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to July 25, 2001, analyzed by EPA Method 8020.

MTBE = Methyl tertiary butyl ether

ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B.

DIPE = Di-isopropyl ether, analyzed by EPA Method 8260B.

TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B.

TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260B.

EDC = 1,2-Dichloroethane, analyzed by EPA Method 8260B.

EDB = 1,2-Dibromoethane, analyzed by EPA Method 8260B.

TOC = Top of Casing Elevation

TOB = Top of Wellbox Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

ug/L = Parts per billion

MSL = Mean sea level

ft. = Feet

D.O. = Dissolved Oxygen

O.R.P. = Oxygen Redox Potential

mg/L = Parts per million

mV = Millivolts

<n = Below detection limit

(D) = Duplicate sample

NA = Not applicable

**WELL CONCENTRATIONS - TABLE 1**  
**Former Shell Service Station**  
**461 8th Street**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (m+U735V)
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Notes:

a = Ethylbenzene and xylenes combined.

b = This sample analyzed outside of EPA recommended holding time.

c = Depth to water measured from Top of Casing; elevation unknown.

d = Grab sampled.

e = Casing broken; Top of Casing elevation unknown.

f = SPH detected at <0.01 feet.

g = S-6 was purged prior to sampling.

h = Analyzed by EPA Method 8015B (M).

i = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

j = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

k = Pre-purge sample

l = Post-purge sample

\* = Prior to December 22, 1994, well elevations taken from Top of Casing.

Beginning July 18, 2002, well elevations taken from Top of Casing.

Site surveyed March 5, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

Site surveyed December 18, 2007 by Virgil Chavez Land Surveying of Vallejo, CA.

Wells S-14R and S-19 through S-23 surveyed on November 11, 2008 by Virgil Chavez Land Surveying of Vallejo, CA.

Well S-5 surveyed on November 11, 2008 by Virgil Chavez Land Surveying of Vallejo, CA.

Well S-5 surveyed on October 8, 2009 by Virgil Chavez Land Surveying of Vallejo, CA.

**WELL CONCENTRATIONS - TABLE 2**  
**Former Shell Service Station**  
**461 8th Street**  
**Oakland, CA**

Well ID	Date	Dissolved Arsenic (ug/L)	Total Arsenic (ug/L)	Dissolved Chromium (ug/L)	Total Chromium (ug/L)	Dissolved Nickel (ug/L)	Total Nickel (ug/L)	Dissolved Iron (ug/L)	Total Iron (ug/L)	Dissolved Manganese (ug/L)	Total Manganese (ug/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Hexavalent Chromium (ug/L)	Total Suspended Solids (mg/L)	Iron (II) (mg/L)	Iron (III) (mg/L)	Bromate (mg/L)
S-8	11/11/2008	<10.0	16.3	27.0	428	5.99	82.0	<100	8510	<5.00	2460	32	0.16	4.4	27	22	107	<0.10	8.51	<1
S-8	12/18/2008	<10.0	<10.0	11.5	86.8	16.1	33.3	<100	2080	733	1110	32	<0.10	3.1	21	9.3	20	<0.10	NA	NA
S-8	01/05/2009	<10.0	<10.0	17.2	177	10.0	38.0	<100	6140	471	1150	36	0.15	3.8	33	16	83	<0.10	NA	NA
S-8	01/15/2009	<10.0	<10.0	23.5	51.7	7.79	20.6	<100	3700	379	595	33	0.16	3.4	26	13	120	<0.10	3.70	NA
S-8	02/12/2009	<10.0	<10.0	21.9	46.7	5.57	14.0	<100	1790	68.7	289	30	0.16	3.9	25	23	43	<0.10	NA	NA
S-8	03/12/2009	<10.0	<10.0	17.3	32.3	5.13	7.95	<100	937	239	323	22	0.12	2.9	20	15	46	<0.10	0.937	NA
S-8	04/09/2009	119	140	3930	4670	12600	12500	NA	NA	NA	NA	NA	NA	NA	34000	140	144	NA	NA	NA
S-8	07/23/2009	<10.0	<10.0	17.2	26.2	32.8	34.8	NA	NA	NA	NA	NA	NA	NA	83	15	39	NA	NA	NA
S-9	11/11/2008	<10.0	<10.0	<5.00	207	5.07	10.7	<100	6400	488	1140	66	0.27	2.7	25	<1.0	140	0.11	6.29	<1
S-9	12/18/2008	<10.0	<10.0	<5.00	214	7.23	10.8	676	4550	845	1100	110	0.25	2.4	32	<1.0	24	0.24	NA	NA
S-9	01/05/2009	<10.0	<10.0	<5.00	88.3	<5.00	<5.00	593	3410	725	942	150	0.76	3.3	37	<1.0	42	0.25	NA	NA
S-9	01/15/2009	<10.0	<10.0	<5.00	203	6.51	11.7	1000	5590	855	1140	160	0.84	3.2	40	<1.0	40	0.62	4.97	NA
S-9	02/12/2009	<10.0	<10.0	<5.00	42.5	5.96	5.47	619	1570	447	444	180	0.98	5.3 b	65	<1.0	18	0.24	NA	NA
S-9	03/12/2009	<10.0	<10.0	<5.00	47.5	5.11	6.91	380	2180	459	591	170	0.76	4.7	47	<1.0	21	0.14	2.04	NA
S-9	04/09/2009	<10.0	<10.0	7.89	52.4	15.5	11.9	NA	NA	NA	NA	NA	NA	NA	48	<1.0	78	NA	NA	NA
S-9	05/18/2009	<10.0	<10.0	6.92	44.1	<5.00	7.17	NA	NA	NA	NA	NA	NA	NA	45	<1.0	7.5	NA	NA	NA
S-9	07/23/2009	<10.0	10.2	5.72	188	6.96	15.2	NA	NA	NA	NA	NA	NA	NA	44	<1.0	149	NA	NA	NA
S-9	10/01/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33	NA	NA	NA	NA	NA
S-9	11/09/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	17	NA	NA	NA	NA	NA
S-9	12/01/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14	NA	NA	NA	NA	NA
S-9	01/28/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13	NA	NA	NA	NA	NA
S-9	05/20/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13	NA	NA	NA	NA	NA
S-9	06/22/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39	NA	NA	NA	NA	NA
S-9	08/31/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	NA	NA
S-9	12/29/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21	NA	NA	NA	NA	NA
S-10	12/18/2008	<10.0	<10.0	22.3	47.3	6.35	63.4	168	5000	231	3860	100	0.32	16	180	21	84	<0.10	NA	NA
S-10	01/05/2009	<10.0	<10.0	21.2	53.8	<5.00	36.1	<100	5950	109	3830	94	0.50	17	170	23	108	<0.10	NA	NA
S-10	01/15/2009	<10.0	<10.0	25.1	35.7	<5.00	12.4	<100	2660	132	648	85	0.48	17	150	22	72	<0.10	2.66	NA
S-10	02/12/2009	<10.0	<10.0	22.6	29.4	<5.00	15.5	<100	5750	318	353	77	0.37	14 b	140	25	87	<0.10	NA	NA
S-10	03/12/2009	<10.0	<10.0	20.9	26.3	<5.00	7.22	<100	1420	162	622	72	0.40	12 b	130	14	44	<0.10	1.42	NA
S-12	11/11/2008	<10.0	19.9	<5.00	404	<5.00	509	228	159000	36.9	6780	20	0.11	1.9	22	<1.0	1850	<0.10	159	<1 c
S-12	12/18/2008	<10.0	12.8	<5.00	98.3	<5.00	104	166	40700	155	1150	20	<0.10	1.3	24	3.5	446	<0.10	NA	NA
S-12	01/05/2009	<10.0	20.6	9.20	149	<5.00	153	1220	61900	319	1790	22	0.12	1.8	27	5.2	662	<0.10	NA	NA
S-12	01/15/2009	<10.0	<10.0	7.19	124	<5.00	138	462	52700	223	1490	25	0.16	1.7	25	3.5	550	<0.10	52.7	NA
S-12	02/12/2009	<10.0	<10.0	9.16	85.0	<5.00	84.5	<100	33500	56.5	1110	19	<0.10	1.6	21	9.3	224	<0.10	NA	NA



**WELL CONCENTRATIONS - TABLE 2**

Former Shell Service Station

461 8th Street

Oakland, CA

Well ID	Date	Dissolved Arsenic (ug/L)	Total Arsenic (ug/L)	Dissolved Chromium (ug/L)	Total Chromium (ug/L)	Dissolved Nickel (ug/L)	Total Nickel (ug/L)	Dissolved Iron (ug/L)	Total Iron (ug/L)	Dissolved Manganese (ug/L)	Total Manganese (ug/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Hexavalent Chromium (ug/L)	Total Suspended Solids (mg/L)	Iron (II) (mg/L)	Iron (III) (mg/L)	Bromate (mg/L)
S-12	03/12/2009	<10.0	<10.0	11.3	41.7	<5.00	37.2	166	14200	48.5	485	14	0.10	1.4	18	8.9	321	<0.10	14.2	NA
S-12	04/09/2009	<10.0	<10.0	15.5	50.5	<5.00	39.0	NA	NA	NA	NA	NA	NA	NA	44	10	573	NA	NA	NA
S-12	07/23/2009	<10.0	10.2	11.5	99.8	<5.00	86.4	NA	NA	NA	NA	NA	NA	NA	30	6.5	350	NA	NA	NA
S-13	11/11/2008	<10.0	<10.0	<5.00	34.1	<5.00	33.2	263	13400	315	415	23	0.11	2.2	20	<1.0	680	<0.10	13.4	<1
S-13	12/18/2008	<10.0	<10.0	<5.00	34.3	<5.00	34.2	756	14800	404	481	27	<0.10	1.9	23	<1.0	205	0.38	NA	NA
S-13	01/05/2009	<10.0	<10.0	<5.00	49.5	<5.00	44.9	496	20100	329	576	25	0.13	1.5	21	<1.0	381	0.43	NA	NA
S-13	01/15/2009	<10.0	<10.0	<5.00	61.8	<5.00	55.8	452	23100	297	513	25	<0.10	4.1	21	<1.0	340	0.46	22.6	NA
S-13	02/12/2009	<10.0	<10.0	<5.00	17.2	17.6	35.0	2020	8680	1410	1010	36	0.33	3.2	1600	<1.0	163	0.84	NA	NA
S-13	03/12/2009	12.1	<10.0	10.4	<5.00	33.4	32.1	9480	3600	3930	3710	28	0.20	1.1	2100	<1.0	105	2.7	0.910	NA
S-13	04/09/2009	<10.0	<10.0	1060	303	3080	1080	NA	NA	NA	NA	NA	NA	NA	3900	<5.0 d	242	NA	NA	NA
S-13	05/18/2009	<10.0	<10.0	75.7	95.9	1100	981	NA	NA	NA	NA	NA	NA	NA	2200	<1.0	143	NA	NA	NA
S-13	07/23/2009	<10.0	<10.0	13.3	26.4	228	247	NA	NA	NA	NA	NA	NA	NA	1500	NA	NA	NA	NA	NA
S-13	10/01/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1500	NA	NA	NA	NA	NA
S-13	11/09/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2300	NA	NA	NA	NA	NA
S-13	12/01/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4900	NA	NA	NA	NA	NA
S-13	01/28/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1400	NA	NA	NA	NA	NA
S-13	05/20/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	740	NA	NA	NA	NA	NA
S-13	06/22/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6500	NA	NA	NA	NA	NA
S-13	08/31/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9300	NA	NA	NA	NA	NA
S-13	12/29/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1300	NA	NA	NA	NA	NA
S-14R	11/11/2008	<10.0	<10.0	13.0	64.8	<5.00	62.7	<100	23200	244	607	51	0.21	4.1	28	16	397	<0.10	23.2	<1
S-14R	12/18/2008	<10.0	<10.0	<5.00	16.6	6.17	18.7	279	6060	878	938	63	0.17	3.1	48	<1.0	238	<0.10	NA	NA
S-14R	01/05/2009	<10.0	<10.0	8.91	49.9	<5.00	35.3	160	15300	308	577	51	0.23	3.6	41	4.1	323	<0.10	NA	NA
S-14R	01/15/2009	<10.0	<10.0	<5.00	18.6	8.26	17.5	1410	6220	2450	2450	<1.0	<0.10	0.17	<1.0	<1.0	210	0.83	5.39	NA
S-14R	02/12/2009	<10.0	<10.0	5.54	29.2	<5.00	14.9	104	5690	283	348	43	0.20	3.9	54	<1.0	126	<0.10	NA	NA
S-14R	03/12/2009	<10.0	<10.0	8.89	33.8	5.92	13.9	<100	5490	146	269	28	0.15	2.6	85	5.6	78	<0.10	5.49	NA
S-14R	04/09/2009	<10.0	<10.0	<5.00	24.4	<5.00	16.9	NA	NA	NA	NA	NA	NA	NA	49	<1.0	123	NA	NA	NA
S-14R	05/18/2009	<10.0	<10.0	7.50	25.8	<5.00	9.86	NA	NA	NA	NA	NA	NA	NA	26	17	90	NA	NA	NA
S-14R	07/23/2009	<10.0	<10.0	7.80	39.1	<5.00	21.0	NA	NA	NA	NA	NA	NA	NA	43	5.9	71	NA	NA	NA
S-17	01/15/2009	<10.0	23.4	<5.00	321	<5.00	329	747	112000	343	1450	19	<0.10	2.0	24	<1.0	600	<0.10	112	NA
S-17	02/12/2009	<10.0	16.8	<5.00	627	79.2	748	232	208000	1,320	4030	20	0.16	1.2	950	<1.0	3920	<0.10	NA	NA
S-17	03/12/2009	<10.0	<10.0	<5.00	17.8	38.1	87.9	556	4870	796	868	13	<0.10	0.82	290	<1.0	2760	<0.10	4.87	NA
S-17	04/09/2009	<10.0	<10.0	7.07	36.9	42.3	85.8	NA	NA	NA	NA	NA	NA	NA	220	<1.0	1740	NA	NA	NA
S-17	05/18/2009	<10.0	<10.0	26.1	131	18.5	115	NA	NA	NA	NA	NA	NA	NA	120	20	1600	NA	NA	NA
S-17	07/23/2009	<10.0	20.2	11.6	280	10.2	253	NA	NA	NA	NA	NA	NA	NA	130	8.3	663	NA	NA	NA

**WELL CONCENTRATIONS - TABLE 2**  
**Former Shell Service Station**  
**461 8th Street**  
**Oakland, CA**

Well ID	Date	Dissolved Arsenic (ug/L)	Total Arsenic (ug/L)	Dissolved Chromium (ug/L)	Total Chromium (ug/L)	Dissolved Nickel (ug/L)	Total Nickel (ug/L)	Dissolved Iron (ug/L)	Total Iron (ug/L)	Dissolved Manganese (ug/L)	Total Manganese (ug/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Hexavalent Chromium (ug/L)	Total Suspended Solids (mg/L)	Iron (II) (mg/L)	Iron (III) (mg/L)	Bromate (mg/L)
S-18	01/15/2009	<10.0	25.0	<5.00	210	<5.00	243	1130	86300	459	1340	21	0.25	0.74	15	<1.0	340	0.12	86.2	NA
S-18	02/12/2009	<10.0	<10.0	<5.00	56.8	8.98	20.5	1310	8080	1970	339	28	0.28	0.70	670	<1.0	3890	<0.10	NA	NA
S-18	03/12/2009	10.6	55.4	<5.00	396	31.9	448	2710	147000	3260	4090	31	0.22	0.32	1800	<1.0	1130	<0.10	147	NA
S-18	05/18/2009	<10.0	<10.0	110	230	862	1,150	NA	NA	NA	NA	NA	NA	NA	3000	2	1460	NA	NA	NA
S-18	07/23/2009	<10.0	13.9	<5.00	92.5	180	258	NA	NA	NA	NA	NA	NA	NA	2700	1.2	351	NA	NA	NA
S-18	10/01/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2100	NA	NA	NA	NA	NA
S-18	11/09/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1300	NA	NA	NA	NA	NA
S-18	12/01/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	810	NA	NA	NA	NA	NA
S-18	01/28/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1100	NA	NA	NA	NA	NA
S-18	05/20/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	820	NA	NA	NA	NA	NA
S-18	06/22/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4400	NA	NA	NA	NA	NA
S-18	08/31/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2700	NA	NA	NA	NA	NA
S-18	12/29/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-19	11/11/2008	<10.0	<10.0	35.2	44.4	<5.00	7.39	<100	3000	22.8	105	47	0.22	3.2	25	36	105	<0.10	3.00	<1
S-19	12/18/2008	<10.0	<10.0	32.0	66.6	<5.00	20.4	136	7850	79.2	317	49	0.13	2.0	26	31	191	<0.10	NA	NA
S-19	01/05/2009	<10.0	<10.0	26.7	62.7	<5.00	22.0	179	10500	88.5	421	47	0.23	2.1	31	22	329	<0.10	NA	NA
S-19	01/15/2009	<10.0	<10.0	22.6	70.4	<5.00	27.3	<100	11200	191	483	42	0.28	1.8	86	20	230	<0.10	11.2	NA
S-19	02/12/2009	<10.0	<10.0	28.5	59.1	<5.00	20.6	102	8150	205	354	40	0.20	2.5	350	29	204	<0.10	NA	NA
S-19	03/12/2009	<10.0	<10.0	41.1	46.6	<5.00	8.62	<100	3100	138	224	28	0.13	2.0	300	34	252	<0.10	3.10	NA
S-19	04/09/2009	<10.0	<10.0	33.3	60.0	11.7	34.0	NA	NA	NA	NA	NA	NA	NA	150	36	282	NA	NA	NA
S-19	05/18/2009	<10.0	<10.0	31.6	67.7	<5.00	19.6	NA	NA	NA	NA	NA	NA	NA	54	33	183	NA	NA	NA
S-19	07/23/2009	<10.0	<10.0	27.9	81.9	<5.00	32.9	NA	NA	NA	NA	NA	NA	NA	43	27	282	NA	NA	NA
S-20	11/11/2008	<10.0	12.9	30.7	53.5	<5.00	26.9	<100	10500	<5.00	249	27	0.13	2.7	26	31	252	<0.10	10.5	<1
S-20	02/12/2009	<10.0	<10.0	33.4	60.6	<5.00	23.3	<100	8410	73.9	259	38	0.24	2.9	150	29	205	<0.10	NA	NA
S-20	03/12/2009	<10.0	<10.0	34.5	52.7	<5.00	15.3	<100	5530	636	1160	36	0.44	2.0	720	21	30	<0.10	5.53	NA
S-20	04/09/2009	<10.0	<10.0	1,490	809	5070	3310	NA	NA	NA	NA	NA	NA	NA	7200	23	428	NA	NA	NA
S-20	05/18/2009	<10.0	<10.0	129	134	1160	1170	NA	NA	NA	NA	NA	NA	NA	2700	6.0	61	NA	NA	NA
S-20	07/23/2009	10.5	13.1	220	137	720	626	NA	NA	NA	NA	NA	NA	NA	3900	90	68	NA	NA	NA
S-20	10/01/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8500	NA	NA	NA	NA	NA
S-20	11/09/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5400	NA	NA	NA	NA	NA
S-20	12/01/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5500	NA	NA	NA	NA	NA
S-20	01/28/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5500	NA	NA	NA	NA	NA
S-20	05/20/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8000	NA	NA	NA	NA	NA
S-20	06/22/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4300	NA	NA	NA	NA	NA
S-20	08/31/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6300	NA	NA	NA	NA	NA
S-20	12/29/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6900	NA	NA	NA	NA	NA

WELL CONCENTRATIONS - TABLE 2

Former Shell Service Station  
461 8th Street  
Oakland, CA

Well ID	Date	Dissolved Arsenic (ug/L)	Total Arsenic (ug/L)	Dissolved Chromium (ug/L)	Total Chromium (ug/L)	Dissolved Nickel (ug/L)	Total Nickel (ug/L)	Dissolved Iron (ug/L)	Total Iron (ug/L)	Dissolved Manganese (ug/L)	Total Manganese (ug/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Hexavalent Chromium (ug/L)	Total Suspended Solids (mg/L)	Iron (II) (mg/L)	Iron (III) (mg/L)	Bromate (mg/L)
S-21A	11/11/2008	<10.0	38.4	<5.00	1090	5.39	1390	<100	384000	2990	9000	90	0.98	<0.10	18	<1.0	7510	0.16	384	<1 c
S-21A	12/18/2008	<10.0	43.3	1720	1650	8240	7260	256000	311000	119000	858000	95	<0.50 d	0.51 d	18000	4.4	2470	0.15	NA	NA
S-21A	01/05/2009	<10.0	86.6	501	922	3030	3080	45100	292000	39600	34800	83	1.9	0.42	6200	1.4	3890	0.20	NA	NA
S-21A	01/15/2009	214	100	4420	3590	10900	9290	1390000	1060000	152000	140000	62	<1.0	4.9	30000	11	860	<0.10	1060	NA
S-21A	02/12/2009	<10.0	35.0	658	1370	2270	3230	80000	361000	24000	29000	87	24	0.90	6400	1.3	2530	0.16	NA	NA
S-21A	03/12/2009	<10.0	<10.0	68.8	64.5	520	457	1400	6240	6070	5290	61	0.66	1.3	1100	<1.0	501	0.11	6.13	NA
S-21A	04/09/2009	<10.0	<10.0	4180	4270	10000	10200	NA	NA	NA	NA	NA	NA	NA	26000	<10 d	380	NA	NA	NA
S-21A	05/18/2009	<10.0	<10.0	214	221	1510	1450	NA	NA	NA	NA	NA	NA	NA	2500	2.2	409	NA	NA	NA
S-21A	07/23/2009	<10.0	41.9	<5.00	381	374	536	NA	NA	NA	NA	NA	NA	NA	1100	<1.0	1220	NA	NA	NA
S-21A	10/01/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11000	NA	NA	NA	NA	NA
S-21A	11/09/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3500	NA	NA	NA	NA	NA
S-21A	12/01/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2900	NA	NA	NA	NA	NA
S-21A	01/28/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2200	NA	NA	NA	NA	NA
S-21A	05/20/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33000	NA	NA	NA	NA	NA
S-21A	06/22/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6400	NA	NA	NA	NA	NA
S-21A	08/31/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1700	NA	NA	NA	NA	NA
S-21A	12/29/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1400	NA	NA	NA	NA	NA
S-21B	11/11/2008	<10.0	12.0	44.8	54.6	<5.00	6.07	<100	2120	<5.00	61.6	37	0.17	5.3	40	43	42	<0.10	2.12	<1
S-21B	12/18/2008	<10.0	<10.0	24.7	25.9	<5.00	<5.00	<100	116	5.68	10.3	42	<0.10	4.7	50	22	20	<0.10	NA	NA
S-21B	01/05/2009	<10.0	<10.0	25.2	25.9	<5.00	<5.00	<100	825	<5.00	23.2	44	0.24	4.4	50	20	55	<0.10	NA	NA
S-21B	01/15/2009	<10.0	<10.0	21.9	18.7	<5.00	<5.00	<100	200	<5.00	7.96	39	0.18	4.3	56	18	17	<0.10	0.200	NA
S-21B	02/12/2009	<10.0	<10.0	22.5	23.0	<5.00	<5.00	<100	842	<5.00	29.0	44	0.21	4.6 b	66	21	46	<0.10	NA	NA
S-21B	03/12/2009	<10.0	<10.0	19.6	20.8	<5.00	<5.00	<100	758	<5.00	21.1	29	0.10	3.7	44	16	25	<0.10	0.758	NA
S-21B	04/09/2009	<10.0	<10.0	23.7	106	<5.00	68.6	NA	NA	NA	NA	NA	NA	NA	41	23	3030	NA	NA	NA
S-21B	05/18/2009	<10.0	<10.0	28.8	29.8	<5.00	<5.00	NA	NA	NA	NA	NA	NA	NA	320	150 f	77	NA	NA	NA
S-21B	06/17/2009	NA	NA	25.9	27.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	27	NA	NA	NA	NA
S-21B	07/23/2009	<10.0	<10.0	29.6	30.6	<5.00	<5.00	NA	NA	NA	NA	NA	NA	NA	140	31	14	NA	NA	NA
S-22A	11/11/2008	<10.0	70.3	<5.00	1420	<5.00	1890	145	546000	2710	10500	82	1.2	<0.10	13	<1.0	4770	2.6	543	<1 c
S-22A	12/18/2008	<10.0	170	362	1290	2590	3620	55100	469000	36300	38700	92	<1.0 d	<1.0 d, e	5100	5.8	1780	0.27	NA	NA
S-22A	01/05/2009	<10.0	132	<5.00	665	476	1090	5780	313000	8980	10700	77	1.2	0.26	1200	<1.0	9200	1.4	NA	NA
S-22A	01/15/2009	<10.0	171	1760	2450	6170	6510	281000	641000	66600	65200	59	5.5	1.4	15000	48	1480	<0.10	641	NA
S-22A	02/12/2009	<10.0	89.9	16.6	1170	899	1250	203	354000	11800	13000	86	2.3	0.34	1700	1.2	3860	<0.10	NA	NA
S-22A	03/12/2009	<10.0	143	<5.00	997	366	760	304	319000	6920	8430	61	1.2	0.13	850	<1.0	1570	<0.10	319	NA
S-22A	04/09/2009	<10.0	<10.0	1080	1160	4400	4530	NA	NA	NA	NA	NA	NA	NA	6800	26	2500	NA	NA	NA
S-22A	05/18/2009	<10.0	<10.0	209	309	2440	2420	NA	NA	NA	NA	NA	NA	NA	7000	<2.0 d	1670	NA	NA	NA
S-22A	07/23/2009	<10.0	<10.0	143	558	2910	2880	NA	NA	NA	NA	NA	NA	NA	8900	<1.0	214	NA	NA	NA
S-22A	10/01/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14000	NA	NA	NA	NA	NA

**WELL CONCENTRATIONS - TABLE 2**  
**Former Shell Service Station**  
**461 8th Street**  
**Oakland, CA**

Well ID	Date	Dissolved Arsenic (ug/L)	Total Arsenic (ug/L)	Dissolved Chromium (ug/L)	Total Chromium (ug/L)	Dissolved Nickel (ug/L)	Total Nickel (ug/L)	Dissolved Iron (ug/L)	Total Iron (ug/L)	Dissolved Manganese (ug/L)	Total Manganese (ug/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Hexavalent Chromium (ug/L)	Total Suspended Solids (mg/L)	Iron (II) (mg/L)	Iron (III) (mg/L)	Bromate (mg/L)
S-22A	11/09/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21000	NA	NA	NA	NA	NA
S-22A	12/01/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14000	NA	NA	NA	NA	NA
S-22A	01/28/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8600	NA	NA	NA	NA	NA
S-22A	05/20/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38000	NA	NA	NA	NA	NA
S-22A	06/22/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19000	NA	NA	NA	NA	NA
S-22A	08/31/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22000	NA	NA	NA	NA	NA
S-22A	12/29/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13000	NA	NA	NA	NA	NA
S-22B	11/11/2008	<10.0	<10.0	25.7	30.2	<5.00	<5.00	<100	1210	<5.00	24.8	17	<0.10	1.5	19	27	18	<0.10	1.21	<1
S-22B	12/18/2008	<10.0	<10.0	24.3	29.3	<5.00	<5.00	166	1850	6.12	42.5	19	<0.10	1.3	21	24	28	<0.10	NA	NA
S-22B	01/05/2009	<10.0	<10.0	38.0	41.8	<5.00	<5.00	109	1250	7.36	25.3	45	<0.10	1.4	270	34	18	<0.10	NA	NA
S-22B	01/15/2009	<10.0	<10.0	88.4	79.1	7.69	7.65	<100	610	9.81	22.5	24	0.27	1.7	1300	80	12	<0.10	0.610	NA
S-22B	02/12/2009	<10.0	<10.0	436	450	984	1030	<100	590	9800	10300	40	<0.20	2.4	11000	500	86	<0.10	NA	NA
S-22B	03/12/2009	15.3	17.0	551	522	2760	2520	<100	227	17900	16500	24 d	<0.50 d	1.1 d	11000	560	34	<0.10	0.227	NA
S-22B	04/09/2009	<10.0	<10.0	337	279	7640	6900	NA	NA	NA	NA	NA	NA	NA	9400	260	66	NA	NA	NA
S-22B	05/18/2009	<10.0	<10.0	187	192	5670	5470	NA	NA	NA	NA	NA	NA	NA	6400	190	56	NA	NA	NA
S-22B	07/23/2009	<10.0	<10.0	200	200	3890	3790	NA	NA	NA	NA	NA	NA	NA	6100	180 g	122	NA	NA	NA
S-23	02/12/2009	<10.0	<10.0	6.20	26.2	149	141	<100	7840	2580	2450	24	<0.10	1.4	340	5.2	126	<0.10	NA	NA
S-23	03/12/2009	<10.0	<10.0	6.61	14.9	72.8	73.3	<100	2770	1320	1350	16	0.31	0.93	200	4.6	79	<0.10	2.77	NA
S-23	04/09/2009	<10.0	<10.0	894	1060	3580	3460	NA	NA	NA	NA	NA	NA	NA	9100	18	273	NA	NA	NA
S-23	05/18/2009	<10.0	<10.0	54.0	72.1	285	279	NA	NA	NA	NA	NA	NA	NA	600	35	194	NA	NA	NA
S-23	07/23/2009	<10.0	<10.0	17.1	28.2	35.1	45.4	NA	NA	NA	NA	NA	NA	NA	120	15	75	NA	NA	NA
S-23	10/01/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1300	NA	NA	NA	NA	NA
S-23	11/09/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	650	NA	NA	NA	NA	NA
S-23	12/01/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	360	NA	NA	NA	NA	NA
S-23	01/28/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	260	NA	NA	NA	NA	NA
S-23	05/20/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	24000	NA	NA	NA	NA	NA
S-23	06/22/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4000	NA	NA	NA	NA	NA
S-23	08/31/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	860	NA	NA	NA	NA	NA
S-23	12/29/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	770	NA	NA	NA	NA	NA

**WELL CONCENTRATIONS - TABLE 2**  
**Former Shell Service Station**  
**461 8th Street**  
**Oakland, CA**

Well ID	Date	Dissolved Arsenic (ug/L)	Total Arsenic (ug/L)	Dissolved Chromium (ug/L)	Total Chromium (ug/L)	Dissolved Nickel (ug/L)	Total Nickel (ug/L)	Dissolved Iron (ug/L)	Total Iron (ug/L)	Dissolved Manganese (ug/L)	Total Manganese (ug/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Hexavalent Chromium (ug/L)	Total Suspended Solids (mg/L)	Iron (II) (mg/L)	Iron (III) (mg/L)	Bromate (mg/L)
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Abbreviations:

ug/L = Parts per billion

mg/L = Parts per million

<n = Below detection limit

NA = Not analyzed

Arsenic, Chromium, Nickel, Iron and Manganese analyzed by EPA 6010B.

Chloride, Bromide, Nitrate and Sulfate analyzed by EPA 300.0.

Hexavalent Chromium analyzed by EPA 7199.

Total Suspended Solids analyzed by SM 2540 D.

Iron analyzed by SM3500-FeB.

Bromate analyzed by E300.1.

Notes:

b = Dilution analysis was run out of hold time

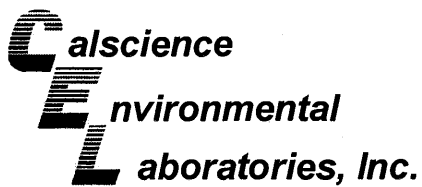
c = Aqueous sample that contains greater than ~1 vol.% sediment.

d= The reporting limit is elevated resulting from matrix interference.

e= Sample analyzed outside recommended holding time.

f = Discrepancy between dissolved chromium, total chromium, and hexavalent chromium. Total and dissolved values are significantly less than hexavalent chromium result.

g = Dilution analysis was performed outside the recommended holding time.



January 12, 2011

Michael Ninokata  
Blaine Tech Services, Inc.  
1680 Rogers Avenue  
San Jose, CA 95112-1105

Subject: **Calscience Work Order No.: 10-12-2434**  
Client Reference: **461 8th Street., Oakland, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 12/31/2010 and analyzed in accordance with the attached chain-of-custody.

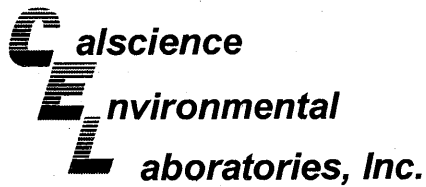
Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read "Xuan H. Dang", with the letters "for" written below it.

Calscience Environmental  
Laboratories, Inc.  
Xuan H. Dang  
Project Manager



## Analytical Report



Blaine Tech Services, Inc.  
1680 Rogers Avenue  
San Jose, CA 95112-1105

Date Received: 12/31/10  
Work Order No: 10-12-2434  
Preparation: N/A  
Method: EPA 300.0

Project: 461 8th Street., Oakland, CA

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-9	10-12-2434-4-D	12/29/10 12:30	Aqueous	IC 9	N/A	12/31/10 16:56	101231L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	21	1.0	1		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-13	10-12-2434-7-D	12/29/10 13:05	Aqueous	IC 9	N/A	12/31/10 17:11	101231L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	1300	40	40		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-18	10-12-2434-10-D	12/29/10 13:00	Aqueous	IC 9	N/A	12/31/10 17:27	101231L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	2700	40	40		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20	10-12-2434-12-D	12/29/10 12:45	Aqueous	IC 9	N/A	12/31/10 17:42	101231L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	6900	200	200		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21A	10-12-2434-13-D	12/29/10 12:09	Aqueous	IC 9	N/A	12/31/10 17:58	101231L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	1400	40	40		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22A	10-12-2434-15-D	12/29/10 12:40	Aqueous	IC 9	N/A	12/31/10 18:13	101231L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	13000	200	200		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

## Analytical Report



Blaine Tech Services, Inc.  
 1680 Rogers Avenue  
 San Jose, CA 95112-1105

Date Received: 12/31/10  
 Work Order No: 10-12-2434  
 Preparation: N/A  
 Method: EPA 300.0

Project: 461 8th Street., Oakland, CA

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-23	10-12-2434-17-D	12/29/10 11:55	Aqueous	IC 9	N/A	12/31/10 18:28	101231L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	770	10	10		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-906-1,486	N/A	Aqueous	IC 9	N/A	12/31/10 11:16	101231L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	ND	1.0	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Blaine Tech Services, Inc.  
 1680 Rogers Avenue  
 San Jose, CA 95112-1105

Date Received: 12/31/10  
 Work Order No: 10-12-2434  
 Preparation: EPA 5030C  
 Method: LUFT GC/MS / EPA 8260B  
 Units: ug/L

Project: 461 8th Street., Oakland, CA

Page 1 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5	10-12-2434-1-A	12/29/10 10:35	Aqueous	GC/MS EE	01/07/11	01/07/11 16:59	110107L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	970	10	20		Xylenes (total)	3200	20	20	
Ethylbenzene	1500	20	20		TPPH	26000	1000	20	
Toluene	1500	20	20						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	102	80-126			1,2-Dichloroethane-d4	112	80-131		
Toluene-d8	105	80-120			Toluene-d8-TPPH	103	88-112		
1,4-Bromofluorobenzene	106	80-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-6	10-12-2434-2-A	12/29/10 11:20	Aqueous	GC/MS EE	01/07/11	01/07/11 17:28	110107L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	3900	25	50		Xylenes (total)	1800	50	50	
Ethylbenzene	520	50	50		TPPH	15000	2500	50	
Toluene	1500	50	50						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	102	80-126			1,2-Dichloroethane-d4	112	80-131		
Toluene-d8	104	80-120			Toluene-d8-TPPH	103	88-112		
1,4-Bromofluorobenzene	91	80-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-8	10-12-2434-3-A	12/29/10 10:25	Aqueous	GC/MS EE	01/07/11	01/07/11 17:58	110107L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.83	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	79	50	1	
Toluene	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	92	80-126			1,2-Dichloroethane-d4	110	80-131		
Toluene-d8	103	80-120			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	99	80-120							

RL - Reporting Limit    DF - Dilution Factor    Qual - Qualifiers

**Analytical Report**



Blaine Tech Services, Inc.  
 1680 Rogers Avenue  
 San Jose, CA 95112-1105

Date Received: 12/31/10  
 Work Order No: 10-12-2434  
 Preparation: EPA 5030C  
 Method: LUFT GC/MS / EPA 8260B  
 Units: ug/L

Project: 461 8th Street., Oakland, CA

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-9	10-12-2434-4-A	12/29/10 12:30	Aqueous	GC/MS EE	01/07/11	01/07/11 19:25	110107L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	55	0.50	1		Xylenes (total)	41	1.0	1	
Ethylbenzene	18	1.0	1		TPPH	290	50	1	
Toluene	3.3	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	102	80-126			1,2-Dichloroethane-d4	117	80-131		
Toluene-d8	103	80-120			Toluene-d8-TPPH	100	88-112		
1,4-Bromofluorobenzene	96	80-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10	10-12-2434-5-A	12/29/10 10:45	Aqueous	GC/MS EE	01/07/11	01/07/11 19:53	110107L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	1.4	1.0	1	
Ethylbenzene	3.4	1.0	1		TPPH	95	50	1	
Toluene	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	96	80-126			1,2-Dichloroethane-d4	107	80-131		
Toluene-d8	106	80-120			Toluene-d8-TPPH	104	88-112		
1,4-Bromofluorobenzene	101	80-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-12	10-12-2434-6-A	12/29/10 11:45	Aqueous	GC/MS EE	01/07/11	01/07/11 20:23	110107L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.98	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	98	80-126			1,2-Dichloroethane-d4	114	80-131		
Toluene-d8	103	80-120			Toluene-d8-TPPH	103	88-112		
1,4-Bromofluorobenzene	97	80-120							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

**Analytical Report**



Blaine Tech Services, Inc.  
 1680 Rogers Avenue  
 San Jose, CA 95112-1105

Date Received: 12/31/10  
 Work Order No: 10-12-2434  
 Preparation: EPA 5030C  
 Method: LUFT GC/MS / EPA 8260B  
 Units: ug/L

Project: 461 8th Street., Oakland, CA

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-13	10-12-2434-7-A	12/29/10 13:05	Aqueous	GC/MS EE	01/07/11	01/07/11 20:52	110107L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	600	2.5	5		Xylenes (total)	1700	5.0	5	
Ethylbenzene	260	5.0	5		TPPH	8700	250	5	
Toluene	1700	10	10						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	101	80-126			1,2-Dichloroethane-d4	121	80-131		
Toluene-d8	105	80-120			Toluene-d8-TPPH	111	88-112		
1,4-Bromofluorobenzene	98	80-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-14R	10-12-2434-8-A	12/29/10 11:40	Aqueous	GC/MS EE	01/07/11	01/07/11 21:21	110107L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	56	0.50	1		Xylenes (total)	52	1.0	1	
Ethylbenzene	13	1.0	1		TPPH	480	50	1	
Toluene	30	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	105	80-126			1,2-Dichloroethane-d4	128	80-131		
Toluene-d8	104	80-120			Toluene-d8-TPPH	105	88-112		
1,4-Bromofluorobenzene	92	80-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-17	10-12-2434-9-A	12/29/10 12:00	Aqueous	GC/MS EE	01/07/11	01/07/11 21:50	110107L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	200	0.50	1		Xylenes (total)	280	1.0	1	
Ethylbenzene	91	1.0	1		TPPH	2600	50	1	
Toluene	150	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	103	80-126			1,2-Dichloroethane-d4	117	80-131		
Toluene-d8	103	80-120			Toluene-d8-TPPH	109	88-112		
1,4-Bromofluorobenzene	97	80-120							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

## Analytical Report



Blaine Tech Services, Inc.  
 1680 Rogers Avenue  
 San Jose, CA 95112-1105

Date Received: 12/31/10  
 Work Order No: 10-12-2434  
 Preparation: EPA 5030C  
 Method: LUFT GC/MS / EPA 8260B  
 Units: ug/L

Project: 461 8th Street., Oakland, CA

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-18	10-12-2434-10-A	12/29/10 13:00	Aqueous	GC/MS EE	01/07/11	01/07/11 22:20	110107L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	1000	5.0	10		Xylenes (total)	1800	10	10	
Ethylbenzene	410	10	10		TPPH	8500	500	10	
Toluene	750	10	10						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	111	80-126			1,2-Dichloroethane-d4	130	80-131		
Toluene-d8	106	80-120			Toluene-d8-TPPH	106	88-112		
1,4-Bromofluorobenzene	97	80-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-19	10-12-2434-11-A	12/29/10 12:15	Aqueous	GC/MS EE	01/07/11	01/07/11 22:49	110107L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	120	0.50	1		Xylenes (total)	150	1.0	1	
Ethylbenzene	54	1.0	1		TPPH	920	50	1	
Toluene	120	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	99	80-126			1,2-Dichloroethane-d4	118	80-131		
Toluene-d8	103	80-120			Toluene-d8-TPPH	103	88-112		
1,4-Bromofluorobenzene	98	80-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20	10-12-2434-12-A	12/29/10 12:45	Aqueous	GC/MS EE	01/07/11	01/07/11 23:18	110107L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2000	10	20		Xylenes (total)	3200	20	20	
Ethylbenzene	860	20	20		TPPH	19000	1000	20	
Toluene	3100	20	20						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	97	80-126			1,2-Dichloroethane-d4	113	80-131		
Toluene-d8	106	80-120			Toluene-d8-TPPH	108	88-112		
1,4-Bromofluorobenzene	98	80-120							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

## Analytical Report



Blaine Tech Services, Inc.  
1680 Rogers Avenue  
San Jose, CA 95112-1105

Date Received: 12/31/10  
Work Order No: 10-12-2434  
Preparation: EPA 5030C  
Method: LUFT GC/MS / EPA 8260B  
Units: ug/L

Project: 461 8th Street., Oakland, CA

Page 5 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21A	10-12-2434-13-A	12/29/10 12:09	Aqueous	GC/MS EE	01/07/11	01/07/11 23:47	110107L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	500	2.5	5		Xylenes (total)	810	5.0	5	
Ethylbenzene	230	5.0	5		TPPH	5100	250	5	
Toluene	430	5.0	5						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	100	80-126			1,2-Dichloroethane-d4	117	80-131		
Toluene-d8	105	80-120			Toluene-d8-TPPH	110	88-112		
1,4-Bromofluorobenzene	95	80-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21B	10-12-2434-14-A	12/29/10 13:10	Aqueous	GC/MS EE	01/07/11	01/08/11 00:16	110107L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	21	1.0	1	
Ethylbenzene	4.5	1.0	1		TPPH	310	50	1	
Toluene	1.9	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	97	80-126			1,2-Dichloroethane-d4	109	80-131		
Toluene-d8	105	80-120			Toluene-d8-TPPH	102	88-112		
1,4-Bromofluorobenzene	96	80-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22A	10-12-2434-15-A	12/29/10 12:40	Aqueous	GC/MS EE	01/07/11	01/08/11 00:45	110107L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	1300	5.0	10		Xylenes (total)	2100	10	10	
Ethylbenzene	490	10	10		TPPH	13000	500	10	
Toluene	1800	10	10						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	102	80-126			1,2-Dichloroethane-d4	114	80-131		
Toluene-d8	104	80-120			Toluene-d8-TPPH	105	88-112		
1,4-Bromofluorobenzene	97	80-120							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

**Analytical Report**

 Blaine Tech Services, Inc.  
 1680 Rogers Avenue  
 San Jose, CA 95112-1105

 Date Received: 12/31/10  
 Work Order No: 10-12-2434  
 Preparation: EPA 5030C  
 Method: LUFT GC/MS / EPA 8260B  
 Units: ug/L

Project: 461 8th Street., Oakland, CA

Page 6 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22B	10-12-2434-16-A	12/29/10 13:10	Aqueous	GC/MS EE	01/07/11	01/08/11 05:06	110107L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						
<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>		<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>	
Dibromofluoromethane	91	80-126			1,2-Dichloroethane-d4	109	80-131		
Toluene-d8	103	80-120			Toluene-d8-TPPH	104	88-112		
1,4-Bromofluorobenzene	96	80-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-23	10-12-2434-17-A	12/29/10 11:55	Aqueous	GC/MS EE	01/07/11	01/08/11 05:35	110107L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	45	0.50	1		Xylenes (total)	240	1.0	1	
Ethylbenzene	56	1.0	1		TPPH	1300	50	1	
Toluene	82	1.0	1						
<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>		<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>	
Dibromofluoromethane	99	80-126			1,2-Dichloroethane-d4	110	80-131		
Toluene-d8	105	80-120			Toluene-d8-TPPH	103	88-112		
1,4-Bromofluorobenzene	94	80-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-246-16	N/A	Aqueous	GC/MS EE	01/07/11	01/07/11 16:30	110107L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						
<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>		<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>	
Dibromofluoromethane	99	80-126			1,2-Dichloroethane-d4	111	80-131		
Toluene-d8	103	80-120			Toluene-d8-TPPH	102	88-112		
1,4-Bromofluorobenzene	97	80-120							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

**Analytical Report**

 Blaine Tech Services, Inc.  
 1680 Rogers Avenue  
 San Jose, CA 95112-1105

 Date Received: 12/31/10  
 Work Order No: 10-12-2434  
 Preparation: EPA 5030C  
 Method: LUFT GC/MS / EPA 8260B  
 Units: ug/L

Project: 461 8th Street., Oakland, CA

Page 7 of 7

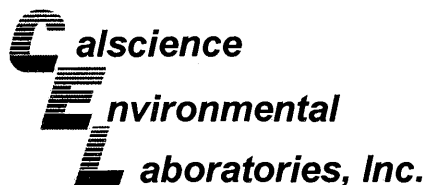
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-246-17	N/A	Aqueous	GC/MS EE	01/07/11	01/08/11 04:37	110107L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	93	80-126			1,2-Dichloroethane-d4	103	80-131		
Toluene-d8	102	80-120			Toluene-d8-TPPH	107	88-112		
1,4-Bromofluorobenzene	94	80-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-246-19	N/A	Aqueous	GC/MS EE	01/08/11	01/08/11 12:23	110108L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	91	80-126			1,2-Dichloroethane-d4	100	80-131		
Toluene-d8	103	80-120			Toluene-d8-TPPH	98	88-112		
1,4-Bromofluorobenzene	95	80-120							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Quality Control - Spike/Spike Duplicate



Blaine Tech Services, Inc.  
 1680 Rogers Avenue  
 San Jose, CA 95112-1105

Date Received: 12/31/10  
 Work Order No: 10-12-2434  
 Preparation: N/A  
 Method: EPA 300.0

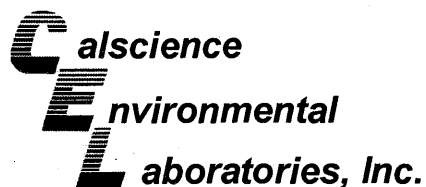
Project 461 8th Street., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-12-2300-10	Aqueous	IC 9	N/A	12/31/10	101231S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Sulfate	103	103	80-120	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit





## Quality Control - Spike/Spike Duplicate



Blaine Tech Services, Inc.  
1680 Rogers Avenue  
San Jose, CA 95112-1105

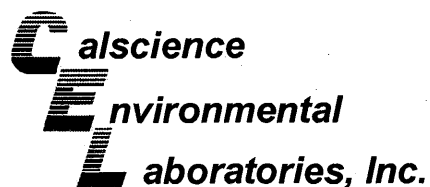
Date Received: 12/31/10  
Work Order No: 10-12-2434  
Preparation: EPA 5030C  
Method: LUFT GC/MS / EPA  
8260B

Project 461 8th Street., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-8	Aqueous	GC/MS EE	01/07/11	01/07/11	110107S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	95	80-120	0	0-20	
Ethylbenzene	102	103	73-127	1	0-20	
Toluene	95	95	80-120	0	0-20	
Xylenes (total)	101	100	80-120	1	0-20	

RPD - Relative Percent Difference, CL - Control Limit



## Quality Control - Spike/Spike Duplicate



Blaine Tech Services, Inc.  
1680 Rogers Avenue  
San Jose, CA 95112-1105

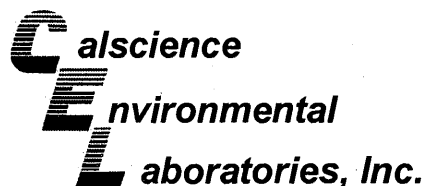
Date Received: 12/31/10  
Work Order No: 10-12-2434  
Preparation: EPA 5030C  
Method: LUFT GC/MS / EPA  
8260B

Project 461 8th Street., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-23	Aqueous	GC/MS EE	01/07/11	01/08/11	110107S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	81	80	80-120	1	0-20	
Ethylbenzene	79	76	73-127	2	0-20	
Toluene	64	64	80-120	0	0-20	3
Xylenes (total)	110	104	80-120	3	0-20	

RPD - Relative Percent Difference, CL - Control Limit



## Quality Control - Spike/Spike Duplicate



Blaine Tech Services, Inc.  
1680 Rogers Avenue  
San Jose, CA 95112-1105

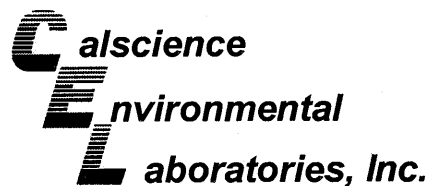
Date Received: 12/31/10  
Work Order No: 10-12-2434  
Preparation: EPA 5030C  
Method: LUFT GC/MS / EPA  
8260B

Project 461 8th Street., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-01-0296-5	Aqueous	GC/MS EE	01/08/11	01/08/11	110108S01

<u>Parameter</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Benzene	94	82	80-120	11	0-20	
Ethylbenzene	96	80	73-127	13	0-20	
Toluene	92	78	80-120	12	0-20	3
Xylenes (total)	101	91	80-120	9	0-20	

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - LCS/LCS Duplicate



Blaine Tech Services, Inc.  
1680 Rogers Avenue  
San Jose, CA 95112-1105

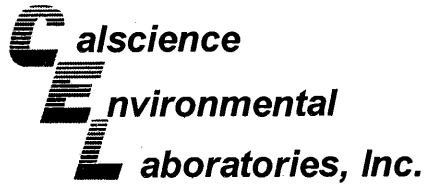
Date Received: N/A  
Work Order No: 10-12-2434  
Preparation: N/A  
Method: EPA 300.0

Project: 461 8th Street., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-906-1,486	Aqueous	IC 9	N/A	12/31/10	101231L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Sulfate	100	101	90-110	1	0-15	

RPD - Relative Percent Difference, CL - Control Limit



## Quality Control - LCS/LCS Duplicate



Blaine Tech Services, Inc.  
1680 Rogers Avenue  
San Jose, CA 95112-1105

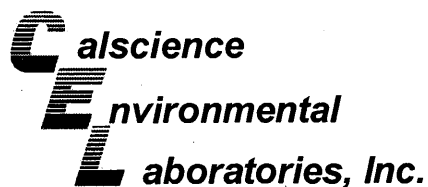
Date Received: N/A  
Work Order No: 10-12-2434  
Preparation: EPA 5030C  
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-246-16	Aqueous	GC/MS EE	01/07/11	01/07/11	110107L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	101	102	80-120	1	0-20	
Ethylbenzene	110	111	80-123	0	0-20	
Toluene	101	101	80-120	0	0-20	
Xylenes (total)	111	111	80-120	0	0-20	
TPPH	82	93	65-135	13	0-30	

RPD - Relative Percent Difference, CL - Control Limit



## Quality Control - LCS/LCS Duplicate



Blaine Tech Services, Inc.  
1680 Rogers Avenue  
San Jose, CA 95112-1105

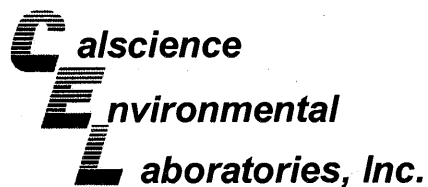
Date Received: N/A  
Work Order No: 10-12-2434  
Preparation: EPA 5030C  
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-246-17	Aqueous	GC/MS EE	01/07/11	01/08/11	110107L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	99	80-120	0	0-20	
Ethylbenzene	106	106	80-123	1	0-20	
Toluene	98	100	80-120	2	0-20	
Xylenes (total)	106	107	80-120	1	0-20	
TPPH	89	85	65-135	5	0-30	

RPD - Relative Percent Difference, CL - Control Limit



## Quality Control - LCS/LCS Duplicate



Blaine Tech Services, Inc.  
1680 Rogers Avenue  
San Jose, CA 95112-1105

Date Received: N/A  
Work Order No: 10-12-2434  
Preparation: EPA 5030C  
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-246-19	Aqueous	GC/MS EE	01/08/11	01/08/11	110108L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	104	100	80-120	4	0-20	
Ethylbenzene	114	109	80-123	4	0-20	
Toluene	104	101	80-120	3	0-20	
Xylenes (total)	115	109	80-120	5	0-20	
TPPH	91	88	65-135	4	0-30	

RPD - Relative Percent Difference, CL - Control Limit

Work Order Number: 10-12-2434

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.



LAB (LOCATION)



Shell Oil Products Chain Of Custody Record

- CALSCEANCE ( )
- SPL ( )
- XENCO ( )
- TEST AMERICA ( )
- OTHER ( )

Please Check Appropriate Box:

<input type="checkbox"/> ENV. SERVICES	<input type="checkbox"/> MOTIVA RETAIL	<input type="checkbox"/> SHELL RETAIL
<input type="checkbox"/> MOTIVA SD&M	<input checked="" type="checkbox"/> CONSULTANT	<input type="checkbox"/> LUBES
<input type="checkbox"/> SHELL PIPELINE	<input type="checkbox"/> OTHER	

Print Bill To Contact Name: **Peter Schaefer 241501**

INCIDENT # (ENV. SERVICES): **9 7 0 9 3 3 9 9**

PO #: \_\_\_\_\_ SAP #: \_\_\_\_\_

DATE: **12/29/10**

PAGE: **1** of **2**

SAMPLING COMPANY: **Blaine Tech Services**

LOG CODE: **BTSS**

ADDRESS: **1680 Rogers Ave, San Jose, CA 95112**

PROJECT CONTACT (Hardcopy or PDF Report to): **Michael Ninokata Copy to Shell.Lab.Billing@croworld.com**

TELEPHONE: **(408)573-0555** FAX: **(408)573-7771** E-MAIL: **mninokata@blainetech.com**

SITE ADDRESS: Street and City: **461 8th St., Oakland** State: **CA** GLOBAL ID NO.: **T0600101263**

EDF DELIVERABLE TO (Name, Company, Office Location): **Annli Kreml, CRA, Emeryville Office** PHONE NO.: **510-420-3335** E-MAIL: **shelledf@croworld.com** CONSULTANT PROJECT NO.: **101229-mw1**

SAMPLER NAME(S) (Print): **Will Ann / Devin RANNAI**

LAB USE ONLY: **10-12-2434**

TURNAROUND TIME (CALENDAR DAYS):

STANDARD (14 DAY)  5 DAYS  3 DAYS  2 DAYS  24 HOURS

RESULTS NEEDED ON WEEKEND

LA - RWQCB REPORT FORMAT  UST AGENCY:

REQUESTED ANALYSIS

**SPECIAL INSTRUCTIONS OR NOTES :**

Metals analyses to be run Total and Dissolved. One field filtered and one non field filtered HNO3 poly provided.

See attachment for methods and metals list

**SHORT HOLDS**

SHELL CONTRACT RATE APPLIES

STATE REIMBURSEMENT RATE APPLIES

EDD NOT NEEDED

RECEIPT VERIFICATION REQUESTED

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	PRESERVATIVE					NO. OF CONT.	REQUESTED ANALYSIS										TEMPERATURE ON RECEIPT °C	Container PID Readings or Laboratory Notes				
		DATE	TIME		HCL	HNO3	H2SO4	NONE	EDTA		TPH - Purgeable (8260B)	BTEX (8260B)	MTBE (8260B)	EDB (8260B)	EDC (8260B)	Sulfate	Chromium VI	Arsenic, Nickel, Chromium	Total Suspended Solids							
	1 S-5	12/29/10	135	W	3					3	X	X														
	2 S-6		1120		3					3	X	X														
	3 S-8		1025		3					3	X	X														
	4 S-9		1230		3			1		4	X	X		X												
	5 S-10		1045		3					3	X	X														
	6 S-12		1145		3					3	X	X														
	7 S-13		1305		3			1		4	X	X		X												
	8 S-14R		1140		3					3	X	X														
	9 S-17		1200		6					6	X	X														
	10 S-18		1300		3			1		4	X	X		X												

Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i> <b>SAMPLE WSTOD IAN</b>	Date: <b>12/29/10</b>	Time: <b>1606</b>
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i> <b>To Annally CER</b>	Date: <b>12/30/10</b>	Time: <b>1425</b>
Relinquished by: (Signature) <i>[Signature]</i> <b>To Annally TO GSO 12/30/10 1730</b>	Received by: (Signature) <i>[Signature]</i> <b>- CER</b>	Date: <b>12/31/10</b>	Time: <b>0900</b>

05/2006 Revision

LAB (LOCATION)



Shell Oil Products Chain Of Custody Record

- CALSCIENCE ( )
- SPL ( )
- XENCO ( )
- TEST AMERICA ( )
- OTHER ( )

Please Check Appropriate Box:

<input type="checkbox"/> ENV. SERVICES	<input type="checkbox"/> MOTIVA RETAIL	<input type="checkbox"/> SHELL RETAIL
<input type="checkbox"/> MOTIVA SD&CM	<input checked="" type="checkbox"/> CONSULTANT	<input type="checkbox"/> LUBES
<input type="checkbox"/> SHELL PIPELINE	<input type="checkbox"/> OTHER _____	

Print Bill To Contact Name: **Peter Schaefer 241501**

PO # \_\_\_\_\_

INCIDENT # (ENV SERVICES) **9 7 0 9 3 3 9 9**

SAP # \_\_\_\_\_

CHECK IF NO INCIDENT # APPLIES

DATE: **12/29/10**

PAGE: **2** of **2**

SAMPLING COMPANY: **Blaine Tech Services**

LOG CODE: **BTSS**

ADDRESS: **1680 Rogers Ave, San Jose, CA 95112**

PROJECT CONTACT (Hardcopy or PDF Report to): **Michael Ninokata Copy to Shell.Lab.Billing@croworld.com**

TELEPHONE: **(408)573-0555** FAX: **(408)573-7771** E-MAIL: **mnninokata@blainetech.com**

SITE ADDRESS: Street and City **461 8th St, Oakland** State **CA** GLOBAL ID NO: **T0600101263**

EDF DELIVERABLE TO (Name, Company, Office Location) **AnnI Kreml, CRA, Emeryville Office** PHONE NO: **510-420-3335** E-MAIL: **shelledf@croworld.com** CONSULTANT PROJECT NO: **101229-ww1** BTS # \_\_\_\_\_

SAMPLER NAME(S) (Print) **WILLIAM WONG / DEV IN RAINNAL** LAB USE ONLY: **10-12-2434**

TURNAROUND TIME (CALENDAR DAYS):

STANDARD (14 DAY)  5 DAYS  3 DAYS  2 DAYS  24 HOURS  RESULTS NEEDED ON WEEKEND

LA - RWQCB REPORT FORMAT  UST AGENCY:

REQUESTED ANALYSIS

**SPECIAL INSTRUCTIONS OR NOTES :**

Metals analyses to be run Total and Dissolved. One field filtered and one non field filtered HNO3 poly provided.

See attachment for methods and metals list SHORT HOLDS

SHELL CONTRACT RATE APPLIES

STATE REIMBURSEMENT RATE APPLIES

EDD NOT NEEDED

RECEIPT VERIFICATION REQUESTED

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	PRESERVATIVE					NO. OF CONT.	TPH - Purgeable (8260B)	BTEX (8260B)	MTBE (8260B)	EDB (8260B)	EDC (8260B)	Sulfate	Chromium VI	Arsenic, Nickel, Chromium	Total Suspended Solids	TEMPERATURE ON RECEIPT °C	Container PID Readings or Laboratory Notes
		DATE	TIME		HCL	HNO3	H2SO4	NONE	EDTA												
	S-19	12/29/10	1215	W	3					3	X	X									
	S-20		1245		3			1		4	X	X				X					
	S-21A		1209		3			1		4	X	X				X					
	S-21B		1310		3					3	X	X									
	S-22A		1240		3			1		4	X	X				X					
	S-22B		1310		3					3	X	X									
	S-23		1155		3			1		4	X	X				X					

Relinquished by: (Signature) *[Signature]*

Relinquished by: (Signature) *[Signature]*

Relinquished by: (Signature) *Ta Omalley TO GSO 12/30/10 1730*

Received by: (Signature) *SAMPLE WSTDAN*

Received by: (Signature) *Ta Omalley etc*

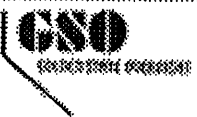
Received by: (Signature) *[Signature] COL*

Date: **12/29/10** Time: **1600**

Date: **12/30/10** Time: **1425**

Date: **12/31/10** Time: **0900**

2434



< WebShip > > > > >  
800-322-5555 www.gso.com

**Ship From:**  
ALAN KEMP  
CAL SCIENCE- CONCORD  
5063 COMMERCIAL CIRCLE #H  
CONCORD, CA 94520

**Ship To:**  
SAMPLE RECEIVING  
CEL  
7440 LINCOLN WAY  
GARDEN GROVE, CA 92841

**COD:**  
\$0.00

**Reference:**  
BTS

**Delivery Instructions:**

**Signature Type:**  
SIGNATURE REQUIRED

**Tracking #:** 515664110



**NPS**

**ORC**

**D**

**GARDEN GROVE**

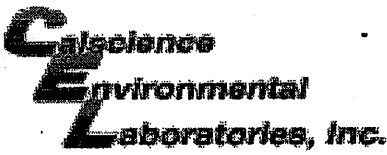
**D92843A**



87534194

Print Date : 12/30/10 15:55 PM

Package 2 of 4



WORK ORDER #: 10-12-2434

# SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: BTS

DATE: 12/31/10

**TEMPERATURE:** Thermometer ID: SC1 (Criteria: 0.0°C – 6.0°C, not frozen)

Temperature 2.9°C + 0.5°C (CF) = 3.4°C  Blank  Sample

Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature:  Air  Filter Initial: YL

**CUSTODY SEALS INTACT:**

Cooler  \_\_\_\_\_  No (Not Intact)  Not Present  N/A Initial: YL

Sample  \_\_\_\_\_  No (Not Intact)  Not Present Initial: YL

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**CONTAINER TYPE:**

**Solid:**  4ozCGJ  8ozCGJ  16ozCGJ  Sleeve (\_\_\_\_)  EnCores®  TerraCores®  \_\_\_\_\_

**Water:**  VOA  VOAh  VOAna<sub>2</sub>  125AGB  125AGBh  125AGBp  1AGB  1AGBna<sub>2</sub>  1AGBs

500AGB  500AGJ  500AGJs  250AGB  250CGB  250CGBs  1PB  500PB  500PBna

250PB  250PBn  125PB  125PBz<sub>na</sub>  100PJ  100PJna<sub>2</sub>  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_

**Air:**  Tedlar®  Summa® **Other:**  \_\_\_\_\_ **Trip Blank Lot#:** \_\_\_\_\_ **Labeled/Checked by:** YL

**Container:** C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** YL

**Preservative:** h: HCL n: HNO<sub>3</sub> na<sub>2</sub>: Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> na: NaOH p: H<sub>3</sub>PO<sub>4</sub> s: H<sub>2</sub>SO<sub>4</sub> z<sub>na</sub>: ZnAc<sub>2</sub>+NaOH f: Field-filtered **Scanned by:** YL

## WELL GAUGING DATA

Project # 101229-WW1 Date 12/29/10 Client Shell

Site 461 8th St. Oakland Ca.

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOG	Notes
S-4	0815	4					20.91	28.67		
S-5	1020	4	ODOR				16.25	30.02		
S-6	1100	4		—			19.92	34.60		POSSIBLE STINGER
S-8	0808	4					23.18	28.88		
S-9	0838	4					22.62	29.69		
S-10	0815	4					23.89	35.88		
S-12	0825	4					24.60	34.18		
S-13	0852	4					23.48	32.43		
S-14R	0835	4					22.75	34.23		
S-17	0829	2					23.60	33.60		
S-18	0849	2					23.23	33.20		
S-19	0834	4	ODOR				22.48	34.50		
S-20	0843	4	ODOR				22.72	34.82		
S-21A	0847	4					23.84	26.43		
S-21B	0824	4					23.59	39.21		
S-22A	0851	4					23.17	26.41		
S-22B	0829	4					23.04	39.52	✓	

### WELL GAUGING DATA

Project # 101229-LW1    Date 12/29/10    Client Shell

Site 461 8th St. Oakland Ca.

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOS	Notes
S-23	0840	4					23.61	34.66		

**SHELL WELL MONITORING DATA SHEET**

BTS #: 101229-WW1	Site: 461 8th St. Oakland Ca.
Sampler: WW, DR	Date: 12/29/10
Well I.D.: S-5	Well Diameter: 2 3 4 6 8
Total Well Depth (TD): 30.02	Depth to Water (DTW): 16.25
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 19.00	

Purge Method: Bailer      Waterra      Sampling Method: Bailer  
 Disposable Bailer      Peristaltic      Disposable Bailer  
 Positive Air Displacement      Extraction Pump      Extraction Port  
Electric Submersible      Other \_\_\_\_\_      Dedicated Tubing

Other: \_\_\_\_\_

9.0 (Gals.) X 3 = 27.0 Gals.	Well Diameter	Multiplier	Well Diameter	Multiplier
1 Case Volume      Specified Volumes      Calculated Volume	1"	0.04	4"	0.65
	2"	0.16	6"	1.47
	3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
1026	64.7	7.64	795	114	9	odor
1027	65.8	7.38	794	304	18	"
1029	65.8	7.25	845	>1000	27	"

Did well dewater? Yes  No  Gallons actually evacuated: 27

Sampling Date: 12/29/10      Sampling Time: 1035      Depth to Water: 18.71

Sample I.D.: S-5      Laboratory: CalScience, Columbia      Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See CDC

EB I.D. (if applicable): @ Time      Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd): Pre-purge	1.18 mg/L	Post-purge:	mg/L
O.R.P. (if req'd): Pre-purge	233 mV	Post-purge:	mV

SHL WELL MONITORING DATA SHEET

BTS #: 101229-ww1 Site: 461 8th St. Oakland Ca.  
 Sampler: WW, DR Date: 12/29/10  
 Well I.D.: 5-6 Well Diameter: 2 3 4 6 8  
 Total Well Depth (TD): 34.60 Depth to Water (DTW): 19.92  
 Depth to Free Product: Thickness of Free Product (feet):  
 Referenced to: PVC Grade D.O. Meter (if req'd): YSI HACH  
 DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 22.86

Purge Method: Bailer Waterra Sampling Method: Bailer  
 Disposable Bailer Peristaltic Disposable Bailer  
 Positive Air Displacement Extraction Pump Extraction Port  
 Electric Submersible Other Dedicated Tubing  
 Other:

9.5 (Gals.) X 3 = 28.5 Gals. I Case Volume Specified Volumes Calculated Volume	<table border="1"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1110	63.2	7.30	672	141	9.5	odor
1113	65.2	7.83	650	88	19	"
1115	65.6	7.63	645	60	28.5	"

Did well dewater? Yes  No Gallons actually evacuated: 28.5  
 Sampling Date: 12/29/10 Sampling Time: 1120 Depth to Water: 21.08  
 Sample I.D.: 5-6 Laboratory: CalScience Columbia Other  
 Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See CC  
 EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):  
 Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:  
 D.O. (if req'd): Pre-purge 2.35 mg/L Post-purge: mg/L  
 O.R.P. (if req'd): Pre-purge 123 mV Post-purge: mV



**SHALLOW WELL MONITORING DATA SHEET**

BTS #: 101229-ww1	Site: 461 8th St. Oakland Ca.
Sampler: WW, <b>(DR)</b>	Date: 12/29/10
Well I.D.: 5-8	Well Diameter: 2 3 <b>(4)</b> 6 8
Total Well Depth (TD): 28.88	Depth to Water (DTW): 23.18
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <b>(PVC)</b> Grade	D.O. Meter (if req'd): <b>(YST)</b> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 24.32	

Purge Method: Bailer                                  Waterra                                  Sampling Method: **(Bailer)**  
Disposable Bailer                                  Peristaltic                                  Disposable Bailer  
Positive Air Displacement                          Extraction Pump                              Extraction Port  
**(Electric Submersible)**                          Other \_\_\_\_\_                                  Dedicated Tubing  
Other: \_\_\_\_\_

$3.7 \text{ (Gals.)} \times 3 = 11.1 \text{ Gals.}$ 1 Case Volume                          Specified Volumes                          Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th>Well Diameter</th><th>Multiplier</th><th>Well Diameter</th><th>Multiplier</th></tr></thead><tbody><tr><td>1"</td><td>0.04</td><td>4"</td><td>0.65</td></tr><tr><td>2"</td><td>0.16</td><td>6"</td><td>1.47</td></tr><tr><td>3"</td><td>0.37</td><td>Other</td><td>radius<sup>2</sup> * 0.163</td></tr></tbody></table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond. (mS or <b>(µS)</b> )	Turbidity (NTUs)	Gals. Removed	Observations
1018	62.2	6.36	393	74	3.7	
1019	66.7	6.31	403	107	7.4	DTW = 25.09
* Well dewatered @			9.0 gal.			
1025	66.2	6.30	411	395	—	

Did well dewater? **(Yes)** No                          Gallons actually evacuated: 7.4

Sampling Date: 12/29/10                          Sampling Time: 1025                          Depth to Water: 24.02

Sample I.D.: 5-8                          Laboratory: **(CalScience)** Columbia Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See CdC

EB I.D. (if applicable): @ Time                          Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd): <b>(Pre-purge)</b>	0.74	mg/L	Post-purge:	mg/L
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O.R.P. (if req'd): <b>(Pre-purge)</b>	133	mV	Post-purge:	mV
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# SHELL WELL-MONITORING DATA SHEET

BTS #: 101229-ww1	Site: 461 8th St. Oakland Ca.
Sampler: <u>WW, DR</u>	Date: 12/29/10
Well I.D.: 5-9	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 29.69	Depth to Water (DTW): 22.62
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YST</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 24.03	

Purge Method: Bailer Disposable Bailer Positive Air Displacement <u>Electric Submersible</u>	Watterra Peristaltic Extraction Pump Other _____	Sampling Method: <u>Bailer</u> Disposable Bailer Extraction Port Dedicated Tubing Other: _____
-------------------------------------------------------------------------------------------------------	-----------------------------------------------------------	------------------------------------------------------------------------------------------------------------

4.6 (Gals.) X	3	= 13.8 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond. (mS or <del>µS</del> )	Turbidity (NTUs)	Gals. Removed	Observations
1219	64.6	8.00	393	111	4.6	
1220	67.4	7.72	377	42	9.2	
1221	68.1	7.52	<del>413</del> 413	21	13.8	

Did well dewater? Yes  NO Gallons actually evacuated: 13.8

Sampling Date: 12/29/10      Sampling Time: 1230      Depth to Water: 24.03

Sample I.D.: 5-9      Laboratory: CalScience Columbia Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (S) Other: See Lab

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (S) Other:

D.O. (if req'd): <u>Pre-purge</u>	1.64 mg/L	Post-purge:	mg/L
O.R.P. (if req'd): <u>Pre-purge</u>	163 mV	Post-purge:	mV

**SHELL WELL MONITORING DATA SHEET**

BTS #: <u>101229-WW1</u>	Site: <u>461 8th St. Oakland Ca.</u>
Sampler: <u>WW, DR</u>	Date: <u>12/29/10</u>
Well I.D.: <u>S-10</u>	Well Diameter: 2 3 <u>(4)</u> 6 8 _____
Total Well Depth (TD): <u>35.88</u>	Depth to Water (DTW): <u>23.89</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSD</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>26.29</u>	

Purge Method: <u>Bailer</u> Disposable Bailer Positive Air Displacement <u>Electric Submersible</u>	Wattera Peristaltic Extraction Pump Other _____	Sampling Method: <u>Bailer</u> Disposable Bailer Extraction Port Dedicated Tubing Other: _____
--------------------------------------------------------------------------------------------------------------	----------------------------------------------------------	------------------------------------------------------------------------------------------------------------

<u>7.8</u> (Gals.) X <u>3</u> = <u>23.4</u> Gals.	
1 Case Volume	Specified Volumes
	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond. (mS or <u>μS</u> )	Turbidity (NTUs)	Gals. Removed	Observations
<u>1037</u>	<u>66.5</u>	<u>7.10</u>	<u>387</u>	<u>74</u>	<u>7.8</u>	
<u>1039</u>	<u>68.9</u>	<u>7.03</u>	<u>398</u>	<u>31</u>	<u>15.6</u>	
<u>1041</u>	<u>69.1</u>	<u>7.01</u>	<u>397</u>	<u>27</u>	<u>23.4</u>	

Did well dewater? Yes No Gallons actually evacuated: 23.4

Sampling Date: 12/29/10 Sampling Time: 1045 Depth to Water: 26.02

Sample I.D.: S-10 Laboratory: CalScience Columbia Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See LDC

EB I.D. (if applicable): \_\_\_\_\_ @ \_\_\_\_\_ Time Duplicate I.D. (if applicable): \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd): <u>Pre-purge</u>	<u>0.43</u> mg/L	Post-purge:	mg/L
O.R.P. (if req'd): <u>Pre-purge</u>	<u>87</u> mV	Post-purge:	mV

# SHELL WELL MONITORING DATA SHEET

BTS #: 101229-ww1	Site: 461 8th St. Oakland Ca.
Sampler: <u>WLD, DR</u>	Date: 12/29/10
Well I.D.: S-12	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 34.18	Depth to Water (DTW): 24.60
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YST</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 26.52	

Purge Method: Bailer      Waterra      Sampling Method: Bailer  
 Disposable Bailer      Peristaltic      Disposable Bailer  
 Positive Air Displacement      Extraction Pump      Extraction Port  
Electric Submersible      Other \_\_\_\_\_      Dedicated Tubing  
 Other: \_\_\_\_\_

$6.2 \text{ (Gals.)} \times 3 = 18.6 \text{ Gals.}$ I Case Volume      Specified Volumes      Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond. (mS or <del>µS</del> )	Turbidity (NTUs)	Gals. Removed	Observations
1134	63.6	8.03	538	225	6.2	
1135	66.8	7.90	528	266	12.4	
1137	67.8	7.79	542	180	18.6	

Did well dewater?    Yes    No      Gallons actually evacuated: 18.6

Sampling Date: 12/29/10      Sampling Time: 1145      Depth to Water: 26.33

Sample I.D.: S-12      Laboratory: CalScience Columbia Other \_\_\_\_\_

Analyzed for: TPH-G    BTEX    MTBE    TPH-D    Oxygenates (5)    Other: \*S.C.C.

EB I.D. (if applicable): @ Time      Duplicate I.D. (if applicable):

Analyzed for: TPH-G    BTEX    MTBE    TPH-D    Oxygenates (5)    Other:

D.O. (if req'd): Pre-purge 1.27 mg/L      Post-purge: \_\_\_\_\_ mg/L

O.R.P. (if req'd): Pre-purge 121 mV      Post-purge: \_\_\_\_\_ mV

# SHELL WELL MONITORING DATA SHEET

BTS #: 101229-WW1	Site: 461 8th St. Oakland Ca.
Sampler: <del>WV</del> DR	Date: 12/29/10
Well I.D.: S-13	Well Diameter: 2 3 4 6 8
Total Well Depth (TD): 32.43	Depth to Water (DTW): 23.48
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 25.27	

Purge Method: Bailer      Waterra      Sampling Method: Bailer  
 Disposable Bailer      Peristaltic      Disposable Bailer  
 Positive Air Displacement      Extraction Pump      Extraction Port  
Electric-Submersible      Other \_\_\_\_\_      Dedicated Tubing  
 Other: \_\_\_\_\_

$5.8 \text{ (Gals.)} \times 3 = 17.4 \text{ Gals.}$ 1 Case Volume      Specified Volumes      Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond. (mS or $\mu$ S)	Turbidity (NTUs)	Gals. Removed	Observations
1254	69.8	5.48	2574	71	5.8	order
1255	70.6	5.12	3093	80	11.6	"
1256	70.5	5.10	3116	72	17.4	"

Did well dewater? Yes  No  Gallons actually evacuated: 17.4

Sampling Date: 12/29/10      Sampling Time: 1305      Depth to Water: 25.19

Sample I.D.: S-13      Laboratory: CalScience Columbia Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See Cal

EB I.D. (if applicable): @ Time      Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	<u>Pre-purge</u>	0.69 mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	<u>Pre-purge</u>	231 mV	Post-purge:	mV

**SHELL WELL MONITORING DATA SHEET**

BTS #: 101229-ww1	Site: 461 8th St. Oakland Ca.
Sampler: WW, DR	Date: 12/29/10
Well I.D.: S-14R	Well Diameter: 2 3 4 6 8
Total Well Depth (TD): 34.23	Depth to Water (DTW): 22.75
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 25.05	

Purge Method: Bailer Disposable Bailer Positive Air Displacement Electric Submersible	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: Bailer Disposable Bailer Extraction Port Dedicated Tubing Other: _____
------------------------------------------------------------------------------------------------	----------------------------------------------------------	-----------------------------------------------------------------------------------------------------

7.5 (Gals.) X 3 = 22.5 Gals. 1 Case Volume      Specified Volumes      Calculated Volume	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
1128	67.7	6.71	524	91	7.5	
1130	69.6	6.51	422	122	15.0	
* Well	dewatered	Ⓢ	16.5 gal.	DTW = 28.29		
1140	68.9	6.49	397	171	—	

Did well dewater?  Yes    No    Gallons actually evacuated: 150

Sampling Date: 12/29/10    Sampling Time: 1140    Depth to Water: 24.79

Sample I.D.: S-14R    Laboratory: CalScience Columbia Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See CDC

EB I.D. (if applicable): @ Time    Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd): Pre-purge	0.48 mg/L	Post-purge:	mg/L
O.R.P. (if req'd): Pre-purge	375 mV	Post-purge:	mV

# SHELL WELL MONITORING DATA SHEET

BTS #: 101229-WW1	Site: 461 8th St. Oakland Ca.
Sampler: <u>WW</u> , DR	Date: 12/29/10
Well I.D.: S-17	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth (TD): 33.60	Depth to Water (DTW): 23.60
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 25.60	

Purge Method: Bailer      Waterra      Sampling Method: Bailer

Disposable Bailer      Peristaltic  
 Positive Air Displacement      Extraction Pump  
 Electric Submersible      Other \_\_\_\_\_

Other: \_\_\_\_\_

$1.6 \text{ (Gals.)} \times 3 = 4.8 \text{ Gals.}$	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163	
Well Diameter	Multiplier	Well Diameter	Multiplier															
1"	0.04	4"	0.65															
2"	0.16	6"	1.47															
3"	0.37	Other	radius <sup>2</sup> * 0.163															
1 Case Volume	Specified Volumes	Calculated Volume																

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u> )	Turbidity (NTUs)	Gals. Removed	Observations
1144	63.6	7.74	1486	981	1.6	
1148	66.8	7.46	1489	>1000	3.2	
1152	67.8	7.43	1558	>1000	4.8	

Did well dewater?    Yes    No      Gallons actually evacuated: 4.8

Sampling Date: 12/29/10      Sampling Time: 1200      Depth to Water: 24.60

Sample I.D.: S-17      Laboratory: CalScience Columbia Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See Lab

EB I.D. (if applicable): @ Time      Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd): <u>Pre-purge</u>	1.37	mg/L	Post-purge:	mg/L
O.R.P. (if req'd): <u>Pre-purge</u>	131	mV	Post-purge:	mV

# SHELL WELL MONITORING DATA SHEET

BTS #: 101229-ww1	Site: 461 8th St. Oakland Ca.
Sampler: <u>LOW</u> DR	Date: 12/29/10
Well I.D.: 5-18	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth (TD): 33.20	Depth to Water (DTW): 23.23
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YST</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 25.22	

Purge Method: Bailer      Waterra      Sampling Method: Bailer  
 Disposable Bailer      Peristaltic      Disposable Bailer  
 Positive Air Displacement      Extraction Pump      Extraction Port  
 Electric Submersible      Other \_\_\_\_\_      Dedicated Tubing

Other: \_\_\_\_\_

1.6 (Gals.) X 3 = 4.8 Gals.  
 1 Case Volume      Specified Volumes      Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u> )	Turbidity (NTUs)	Gals. Removed	Observations
1246	62.8	6.84	3526	886	1.6	
<del>1249</del>	66.1	6.57	4167	917	3.2	
1252	65.6	6.40	4583	996	4.8	

Did well dewater?    Yes    NO      Gallons actually evacuated: 4.8

Sampling Date: 12/29/10      Sampling Time: 1300      Depth to Water: 23.82

Sample I.D.: 5-18      Laboratory: CalScience Columbia Other \_\_\_\_\_

Analyzed for: TPH-G    BTEX    MTBE    TPH-D    Oxygenates (5)    Other: See Lab

EB I.D. (if applicable): @ Time      Duplicate I.D. (if applicable):

Analyzed for: TPH-G    BTEX    MTBE    TPH-D    Oxygenates (5)    Other:

D.O. (if req'd): <u>Pre-purge</u> 0.79 mg/L	Post-purge:	mg/L
O.R.P. (if req'd): <u>Pre-purge</u> 70 mV	Post-purge:	mV



# SHELL WELL MONITORING DATA SHEET

BTS #: 101229-WW1	Site: 461 8th St. Oakland Ca.
Sampler: <u>WW</u> DR	Date: 12/29/10
Well I.D.: S-19	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 34.50	Depth to Water (DTW): 22.48
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YST</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 24.88	

Purge Method: Bailer Disposable Bailer Positive Air Displacement <u>Electric Submersible</u>	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: <u>Bailer</u> Disposable Bailer Extraction Port Dedicated Tubing Other: _____
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$7.8 \text{ (Gals.)} \times 3 = 23.4 \text{ Gals.}$ <p>I Case Volume      Specified Volumes      Calculated Volume</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u> )	Turbidity (NTUs)	Gals. Removed	Observations
1206	65.3	7.90	1259	179	7.8	odor
1207	67.3	7.73	1060	161	15.6	"
1209	68.2	7.71	1004	282	23.4	"

Did well dewater?    Yes    No      Gallons actually evacuated: 23.4

Sampling Date: 12/29/10      Sampling Time: 1215      Depth to Water: 24.88

Sample I.D.: S-19      Laboratory: CalScience Columbia    Other \_\_\_\_\_

Analyzed for: TPH-G    BTEX    MTBE    TPH-D    Oxygenates (5)    Other: See Lab

EB I.D. (if applicable): @ \_\_\_\_\_ Time      Duplicate I.D. (if applicable):

Analyzed for: TPH-G    BTEX    MTBE    TPH-D    Oxygenates (5)    Other:

D.O. (if req'd): <u>Pre-purge</u>	1.12	mg/L	Post-purge:	mg/L
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O.R.P. (if req'd): <u>Pre-purge</u>	150	mV	Post-purge:	mV
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# SHELL WELL MONITORING DATA SHEET

BTS #: 101229-ww1	Site: 461 8th St. Oakland Ca.
Sampler: <u>WLD, DR</u>	Date: 12/29/10
Well I.D.: S-20	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 34.82	Depth to Water (DTW): 22.72
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YST</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 25.14	

Purge Method: Bailer Disposable Bailer Positive Air Displacement <u>Electric Submersible</u>	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: <u>Bailer</u> Disposable Bailer Extraction Port Dedicated Tubing Other: _____
-------------------------------------------------------------------------------------------------------	----------------------------------------------------------	------------------------------------------------------------------------------------------------------------

$7.9 \text{ (Gals.)} \times 3 = 23.7 \text{ Gals.}$ 1 Case Volume      Specified Volumes      Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u> )	Turbidity (NTUs)	Gals. Removed	Observations
1233	68.1	6.44	9196	88	7.9	odor
1235	69.0	6.39	8486	123	15.8	"
1236	68.8	6.19	9334	62	23.7	"

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: 23.7	
Sampling Date: 12/29/10	Sampling Time: 1245	Depth to Water: 25.14
Sample I.D.: S-20	Laboratory: <u>CalScience</u> Columbia Other _____	
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: <u>See Cd</u>		
EB I.D. (if applicable): @ _____ Time	Duplicate I.D. (if applicable):	
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:		
D.O. (if req'd): <u>Pre-purge</u> 0.92 mg/L	Post-purge: _____ mg/L	
O.R.P. (if req'd): <u>Pre-purge</u> 193 mV	Post-purge: _____ mV	

# SHELL WELL MONITORING DATA SHEET

BTS #: 101229-ww1	Site: 461 8th St. Oakland Ca.
Sampler: WW, <u>DB</u>	Date: 12/29/10
Well I.D.: S-21A	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 26.43	Depth to Water (DTW): 23.89
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 24.36	

Purge Method: Bailer Disposable Bailer Positive Air Displacement <u>Electric Submersible</u>	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: <u>Bailer</u> Disposable Bailer Extraction Port Dedicated Tubing Other: _____
-------------------------------------------------------------------------------------------------------	----------------------------------------------------------	------------------------------------------------------------------------------------------------------------

1.7 (Gals.) X 3 = 5.1 Gals. 1 Case Volume      Specified Volumes      Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u> )	Turbidity (NTUs)	Gals. Removed	Observations
1157	69.4	3.29	2164	142	1.7	
* Well	dewatered	e	1.9 gal.	DTW = 25.89		
1209	69.7	3.21	2496	71000	—	

Did well dewater? Yes No      Gallons actually evacuated: 1.7

Sampling Date: 12/29/10      Sampling Time: 1209      Depth to Water: 24.29

Sample I.D.: S-21A      Laboratory: CalScience Columbia Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See Lab

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd): <u>Pre-purge</u>	0.95 mg/L	Post-purge:	mg/L
O.R.P. (if req'd): <u>Pre-purge</u>	464 mV	Post-purge:	mV

# SHELL WELL MONITORING DATA SHEET

BTS #: 101229-WW1	Site: 461 8th St. Oakland Ca.
Sampler: WW, DR	Date: 12/29/10
Well I.D.: S-21B	Well Diameter: 2 3 4 6 8
Total Well Depth (TD): 39.21	Depth to Water (DTW): 23.59
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 26.71	

Purge Method: Bailer      Waterra      Sampling Method: Bailer  
 Disposable Bailer      Peristaltic      Disposable Bailer  
 Positive Air Displacement      Extraction Pump      Extraction Port  
 Electric Submersible      Other \_\_\_\_\_      Dedicated Tubing

$10.2 \text{ (Gals.)} \times 3 = 30.6 \text{ Gals.}$ 1 Case Volume      Specified Volumes      Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
1053	68.8	7.17	2640	77		
Well	dewatered	e	12.5 gal.	DTW=34.71		
1310	59.8	7.23	1873	94	—	

Did well dewater?  Yes      No      Gallons actually evacuated: 125

Sampling Date: 12/29/10      Sampling Time: 1310      Depth to Water: 23.90

Sample I.D.: S-21B      Laboratory: CalScience      Columbia      Other \_\_\_\_\_

Analyzed for: TPH-G    BTEX    MTBE    TPH-D    Oxygenates (5)    Other: See LDC

EB I.D. (if applicable): @ Time      Duplicate I.D. (if applicable):

Analyzed for: TPH-G    BTEX    MTBE    TPH-D    Oxygenates (5)    Other:

D.O. (if req'd):	<input checked="" type="checkbox"/> Pre-purge	0.40 mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	<input checked="" type="checkbox"/> Pre-purge	191 mV	Post-purge:	mV

**SHELL WELL MONITORING DATA SHEET**

BTS #: 101229-WW1	Site: 461 8th St. Oakland Ca.
Sampler: WW, DR	Date: 12/29/10
Well I.D.: S-22A	Well Diameter: 2 3 <b>4</b> 6 8
Total Well Depth (TD): 26.41	Depth to Water (DTW): 23.17
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <b>PVC</b> Grade	D.O. Meter (if req'd): <b>YSI</b> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 23.82	

Purge Method: **Bailer**      Waterra      Sampling Method: **Bailer**  
 Disposable Bailer      Peristaltic      Disposable Bailer  
 Positive Air Displacement      Extraction Pump      Extraction Port  
~~Electric Submersible~~      Other \_\_\_\_\_      Dedicated Tubing

2.1 (Gals.) X	3	= 6.3 Gals.
I Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond. (mS or <del>µS</del> )	Turbidity (NTUs)	Gals. Removed	Observations
1226	68.0	2.65	11.24	>1000	2.1	odr/vv metr.
1230	66.8	2.60	11.74	>1000	4.2	"
1234	67.0	2.60	11.77	>1000	6.3	"

Did well dewater? Yes  No  Gallons actually evacuated: 6.3

Sampling Date: 12/29/10      Sampling Time: 1240      Depth to Water: 23.77

Sample I.D.: S-22A      Laboratory: **CalScience** Columbia Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: *See CdC*

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd): <b>Pre-purge</b>	0.70 mg/L	Post-purge:	mg/L
O.R.P. (if req'd): <b>Pre-purge</b>	476 mV	Post-purge:	mV

## SHELL WELL MONITORING DATA SHEET

BTS #: 101229-WW1	Site: 461 8th St. Oakland Ca.
Sampler: WW, DR	Date: 12/29/10
Well I.D.: S-22B	Well Diameter: 2 3 4 6 8
Total Well Depth (TD): 39.57	Depth to Water (DTW): 23.04
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 26.35	

Purge Method: Bailer      Waterra      Sampling Method: Bailer  
 Disposable Bailer      Peristaltic      Disposable Bailer  
 Positive Air Displacement      Extraction Pump      Extraction Port  
Electric Submersible      Other \_\_\_\_\_      Dedicated Tubing  
 Other: \_\_\_\_\_

$10.7 \text{ (Gals.)} \times 3 = 32.1 \text{ Gals.}$ 1 Case Volume      Specified Volumes      Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond. (mS or $\mu$ S)	Turbidity (NTUs)	Gals. Removed	Observations
1102	69.4	4.53	979	106	10.7	✓ w/ 2nd Ultrametric
1104	69.8	3.79	1982	274	21.4	
* Well dewatered		e	220 gal.	DTW = 34.74		
1310	69.2	3.91	2017	189	—	

Did well dewater?  Yes    No      Gallons actually evacuated: 22.0

Sampling Date: 12/29/10      Sampling Time: 1310      Depth to Water: 26.18

Sample I.D.: S-22B      Laboratory: CalScience Columbia Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See CdC

EB I.D. (if applicable): @ \_\_\_\_\_ Time      Duplicate I.D. (if applicable): \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: \_\_\_\_\_

D.O. (if req'd): <u>Pre-purge</u>	1.07 mg/L	Post-purge:	mg/L
O.R.P. (if req'd): <u>Pre-purge</u>	391 mV	Post-purge:	mV

# SHELL WELL MONITORING DATA SHEET

BTS #: 101229-ww1	Site: 461 8th St. Oakland Ca.
Sampler: WW, (DR)	Date: 12/29/10
Well I.D.: S-23	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD): 34.66	Depth to Water (DTW): 23.61
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 25.82	

Purge Method: Bailer Disposable Bailer Positive Air Displacement (Electric Submersible)	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: (Bailer) Disposable Bailer Extraction Port Dedicated Tubing Other: _____
--------------------------------------------------------------------------------------------------	----------------------------------------------------------	-------------------------------------------------------------------------------------------------------

$7.2$ (Gals.) X $3$ = $21.6$ Gals.	1 Case Volume      Specified Volumes      Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier															
1"	0.04	4"	0.65															
2"	0.16	6"	1.47															
3"	0.37	Other	radius <sup>2</sup> * 0.163															

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
1140	69.1	4.25	2891	174	7.2	✓ Ph w/ 2nd ultrameter
1142	70.9	3.60	<del>2859</del> <sup>PR</sup> 2639	149	14.4	
1144	71.1	3.26	2575	191	21.6	DTW = 29.71

Did well dewater? Yes  No  Gallons actually evacuated: 21.6

Sampling Date: 12/29/10      Sampling Time: 1155      Depth to Water: 25.70

Sample I.D.: S-23      Laboratory: (CalScience) Columbia Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See CdC

EB I.D. (if applicable): @ \_\_\_\_\_ Time \_\_\_\_\_ Duplicate I.D. (if applicable): \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: \_\_\_\_\_

D.O. (if req'd): (Pre-purge) 1.39 mg/L      Post-purge: \_\_\_\_\_ mg/L

O.R.P. (if req'd): (Pre-purge) 313 mV      Post-purge: \_\_\_\_\_ mV

# SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 461 8th St, Oakland Ca. Date 12/29/10  
 Job Number 101229-~~01~~ WW1 Technician WW, DR Page 1 of 2

Well ID	Well Inspected - No Corrective Action Required	Well Box Meets Compliance Requirements *See Below	Water Bailed From Wellbox	Cap Replaced	Lock Replaced	Well Not Inspected (explain in notes)	New Deficiency Identified	Previously Identified Deficiency Persists	Notes
S-4	X	X	X						
S-5	X	X							
S-6	<del>X</del>	<del>X</del>					X		
S-8	X	X							
S-9	X	X							
S-10	X	X							
S-12	X	X							
S-13	X	X							
S-14R	X	X							
S-17	X	X							
S-18	X	X							
S-19	X	X							
S-20	X	X							
S-21A	X	X							
S-21B	X	X							
S-22A	X	X							
S-22B	X	X							

Well box must meet all three criteria to be compliant: 1) WELL IS SECURABLE BY DESIGN (12" or less) 2) WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12" or less) 3) WELL TAG IS PRESENT, SECURE, AND CORRECT

Notes:



# SHELL WELLHEAD INSPECTION FORM

## (FOR SAMPLE TECHNICIAN)

Site Address

461 8th St. Oakland Ca.

Date

12/29/10

Job Number

101229-ww1

Technician

DR, WW

Page

2 of 2

Well ID	Well Inspected - No Corrective Action Required	Well Box Meets Compliance Requirements *See Below	Water Bailed From Wellbox	Cap Replaced	Lock Replaced	Well Not Inspected (explain in notes)	New Deficiency Identified	Previously Identified Deficiency Persists	Notes
S-23	X	P							

**all box must meet all three criteria to be compliant: 1) WELL IS SECURABLE BY DESIGN (12" or less) 2) WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12" or less) 3) WELL TAG IS PRESENT, SECURE, AND CORRECT**

Notes: \_\_\_\_\_

# SHELL SITE INSPECTION CHECKLIST

Client Shell Date 10/15/10  
 Site Address 461 8th St. Oakland  
 Job Number 101015-BW1 Technician BW

Site Status \_\_\_\_\_ Branded Station \_\_\_\_\_ Vacant Lot \_\_\_\_\_ Other Parking Lot

- Inspected / Labeled / Cleaned - all wells on Scope Of Work
- Inspected / Cleaned Components - all other identifiable wells  N/A
- Inspected site for site investigation & site remediation related trip hazards
- Completed all outstanding *BLAINE Wellhead Repair Order(s)*  N/A
- Completed *Shell Wellhead Repair Form(s)*  N/A
- Inspected treatment / remediation system compound for security, cleanliness and appearance  N/A
- Inspected vacant lot for signs of habitation, hazardous materials or terrain, overgrown vegetation and security  N/A
- Visually inspected site drums for condition and proper labeling  N/A
- Unresolved deficiencies identified - "*Notice of Deficient Condition*" form(s) completed  N/A

Notes \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

PROJECT MANAGER ONLY

Checklist Reviewed	Notes
Initial/Date	

# SHELL WELLHEAD REPAIR FORM

## (FOR REPAIR TECHNICIAN)

Site Address 461 8<sup>th</sup> St. Oakland Date 10/15/10  
 Job Number 101015-BW Technician BW Page 1 of 3

Inspection Point (Well ID or description of location)	Well Inspected, Cleaned, Labeled - No Further Corrective Action Required	Replaced Cap	Replaced Lock	Replaced Lid Seal	Check Indicates deficiency										All Repairs Completed	Remaining Deficiencies Logged onto BLAINE Repair Order	Remaining Deficiencies Logged onto Notice of Deficient Condition - BLAINE Unable to Repair		
					Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Below Grade	Not Securable by Design (12" diameter or less)	Lid not marked with words "MONITORING WELL"	Other Deficiency				Not Securable by Design (greater than 12" diameter)	Well Not Inspected (explain in notes)
S-4								X		X							X		
	Notes: <u>Retapped 1/2 Tabs</u>																		
	Well box type / size: <u>12" Emco</u>									Materials used: <u>2 bolts</u>									
S-5																	X		
	Notes: <u>Visual Inspection, Well secure</u>																		
	Well box type / size: <u>Storm Drain</u>									Materials used:									
S-6								X	X					X				X	
	Notes: <u>Cleaned + Inspected Components</u>																		
	Well box type / size: <u>8" Box</u>									Materials used:									
S-8								X									X		
	Notes: <u>Retapped 1/2 Tabs</u>																		
	Well box type / size: <u>12" Emco</u>									Materials used: <u>2 bolts</u>									
S-9								X									X		
	Notes: <u>Retapped 1/2 Tabs</u>																		
	Well box type / size: <u>12" Emco</u>									Materials used: <u>2 bolts</u>									
S-10								X									X		
	Notes: <u>Retapped 1/2 Tabs</u>																		
	Well box type / size: <u>12" Emco</u>									Materials used: <u>2 bolts</u>									
S-12								X	X								X		
	Notes: <u>Retapped 1/2 Tabs</u>																		
	Well box type / size: <u>12" Emco</u>									Materials used: <u>2 bolts</u>									

# SHELL WELLHEAD REPAIR FORM

(FOR REPAIR TECHNICIAN)

Site Address 461 8<sup>th</sup> St. Oakland Date 10/15/10  
 Job Number 10/015-BW1 Technician BW Page 2 of 3

Inspection Point (Well ID or description of location)	Well Inspected, Cleaned, Labeled - No Further Corrective Action Required	Replaced Cap	Replaced Lock	Replaced Lid Seal	Check Indicates deficiency										Well Not Inspected (explain in notes)	All Repairs Completed	Remaining Deficiencies Logged onto BLAINE Repair Order	Remaining Deficiencies Logged onto Notice of Deficient Condition - BLAINE Unable to Repair	
					Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Below Grade	Not Secure by Design (12" diameter or less)	Lid not marked with words "MONITORING WELL"	Other Deficiency					Not Secure by Design (greater than 12" diameter)
S-13				X			X										X		
	Notes: <u>Retapped 1/2 Tabs</u>																		
	Well box type / size: <u>12" Emco</u> Materials used: <u>2 bolts</u>																		
S-14R							X										X		
	Notes: <u>Retapped 1/2 Tabs</u>																		
	Well box type / size: <u>12" Emco</u> Materials used: <u>2 bolts</u>																		
S-17							X										X		
	Notes: <u>Retapped 1/2 Tabs</u>																		
	Well box type / size: <u>12" Emco</u> Materials used: <u>2 bolts</u>																		
S-18							X										X		
	Notes: <u>Retapped 1/2 Tabs</u>																		
	Well box type / size: <u>12" Emco</u> Materials used: <u>2 bolts</u>																		
S-19							X										X		
	Notes: <u>Retapped 1/2 Tabs</u>																		
	Well box type / size: <u>12" Emco</u> Materials used: <u>2 bolts</u>																		
S-20							X										X		
	Notes: <u>Retapped 1/2 Tabs</u>																		
	Well box type / size: <u>12" Emco</u> Materials used: <u>2 bolts</u>																		
S-21A							X										X		
	Notes: <u>Retapped 1/2 Tabs</u>																		
	Well box type / size: <u>12" Emco</u> Materials used: <u>2 bolts</u>																		

# SHELL WELLHEAD REPAIR FORM

## (FOR REPAIR TECHNICIAN)

Site Address 461 8<sup>th</sup> St. Oakland Date 10/15/10  
 Job Number 101015-BW1 Technician TBW Page 3 of 3

Inspection Point (Well ID or description of location)	Well Inspected, Cleaned, Labeled - No Further Corrective Action Required	Replaced Cap	Replaced Lock	Replaced Lid Seal	Check Indicates deficiency										Well Not Inspected (explain in notes)	All Repairs Completed	Remaining Deficiencies Logged onto BLAINE Repair Order	Remaining Deficiencies Logged onto Notice of Deficient Condition - BLAINE Unable to Repair
					Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Below Grade	Not Secure by Design (12" diameter or less)	Lid not marked with words "MONITORING WELL"	Other Deficiency				
S-21B				X			X									X		
	Notes: Retapped 2 1/2 Tabs																	
	Well box type / size: 12" Emco Materials used: 2 bolts																	
S-22A							X									X		
	Notes: Retapped 2 1/2 Tabs																	
	Well box type / size: 12" Emco Materials used: 2 bolts																	
S-22B							X									X		
	Notes: Retapped 2 1/2 Tabs																	
	Well box type / size: 12" Emco Materials used: 2 bolts																	
S-23							X									X		
	Notes: Retapped 2 1/2 Tabs																	
	Well box type / size: 12" Emco Materials used: 2 bolts																	
	Notes:																	
	Well box type / size: Materials used:																	
	Notes:																	
	Notes:																	
	Well box type / size: Materials used:																	
	Notes:																	
	Notes:																	
	Well box type / size: Materials used:																	
	Notes:																	

APPENDIX B

PETROLEUM HYDROCARBON CONCENTRATION TRENDS

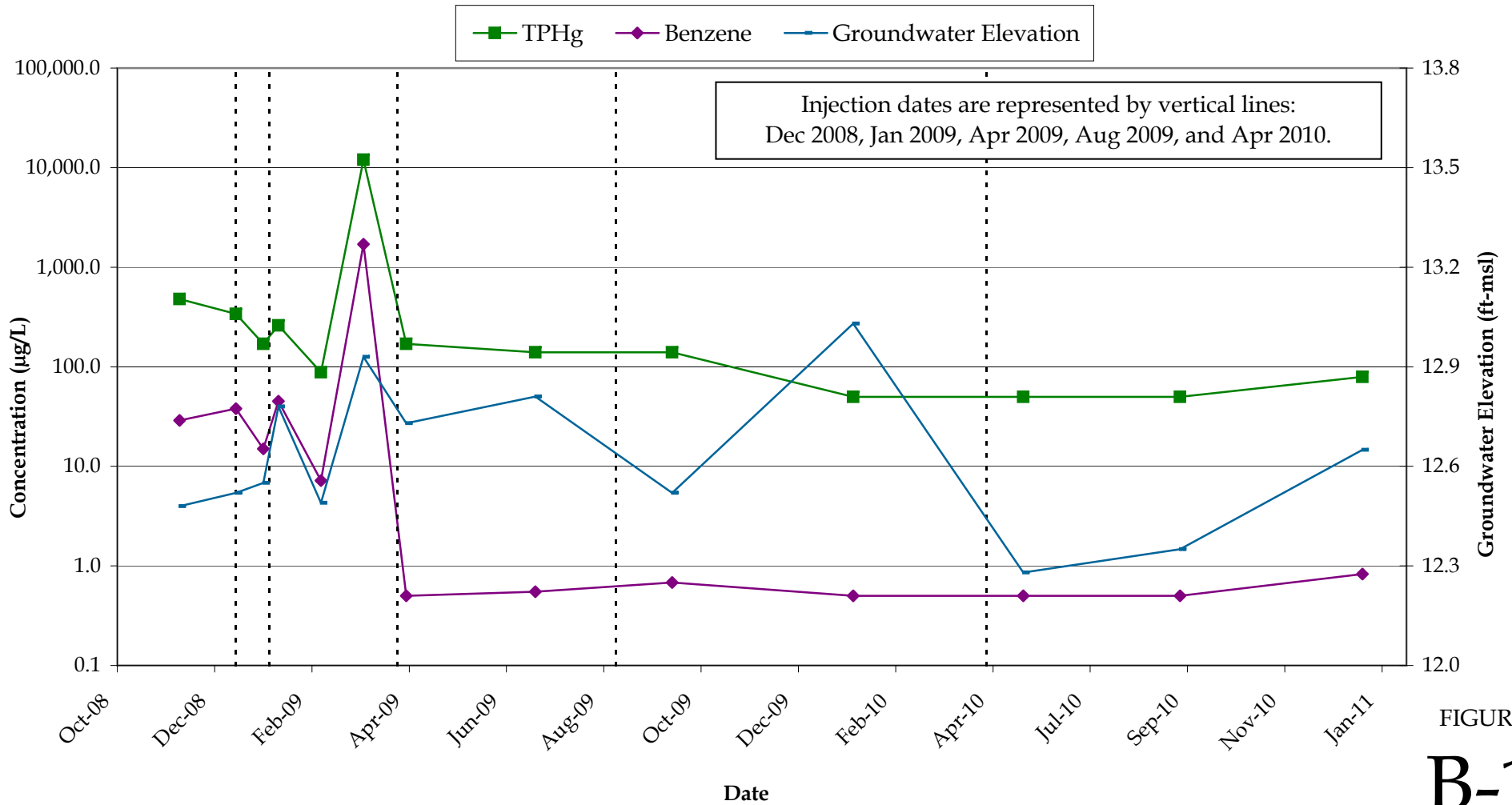


FIGURE  
**B-1**

Former Shell Service Station  
461 8th Street  
Oakland, California



S-8:  
TPHg and Benzene Groundwater  
Concentrations and Groundwater Elevation versus Time

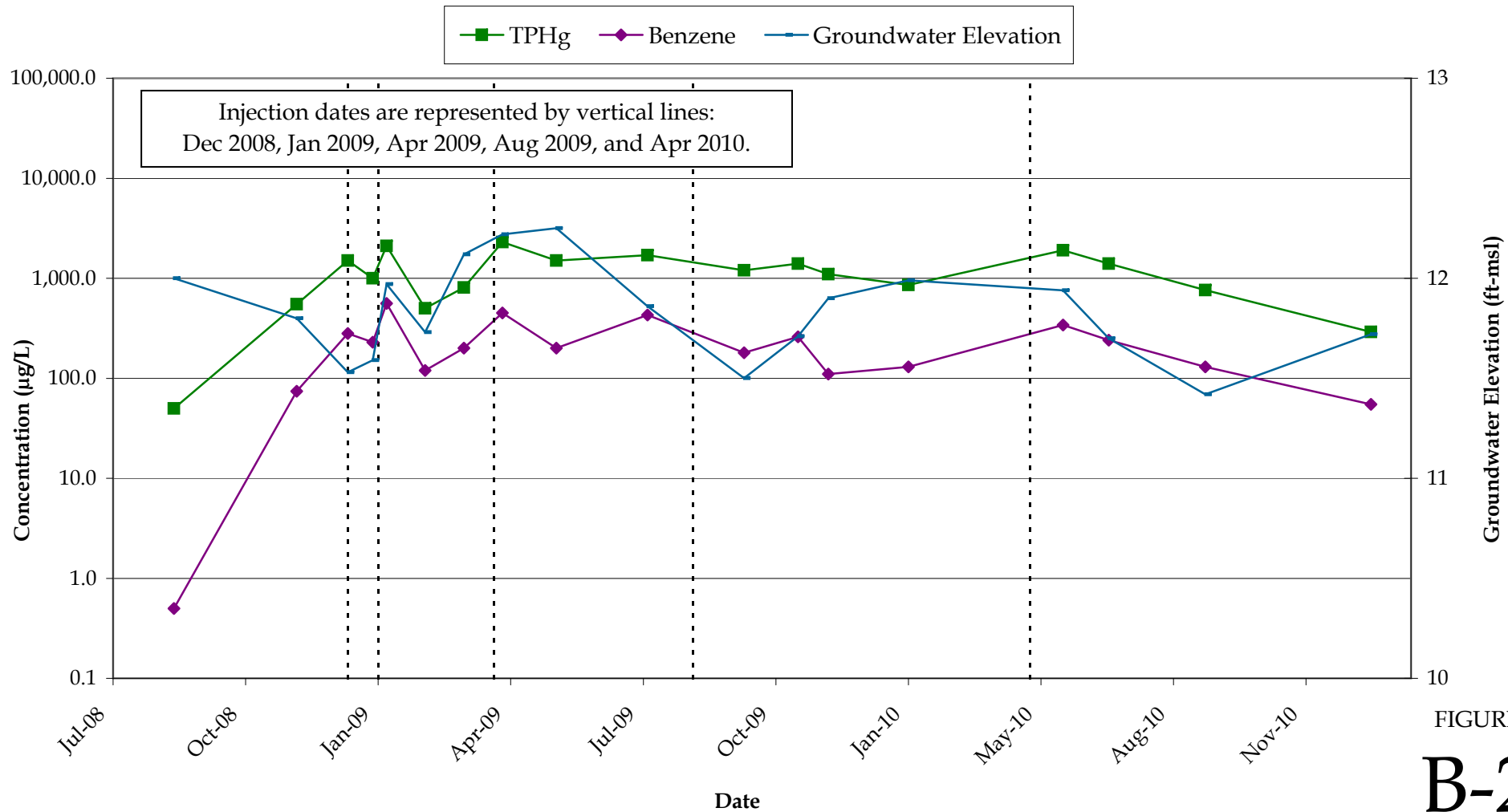


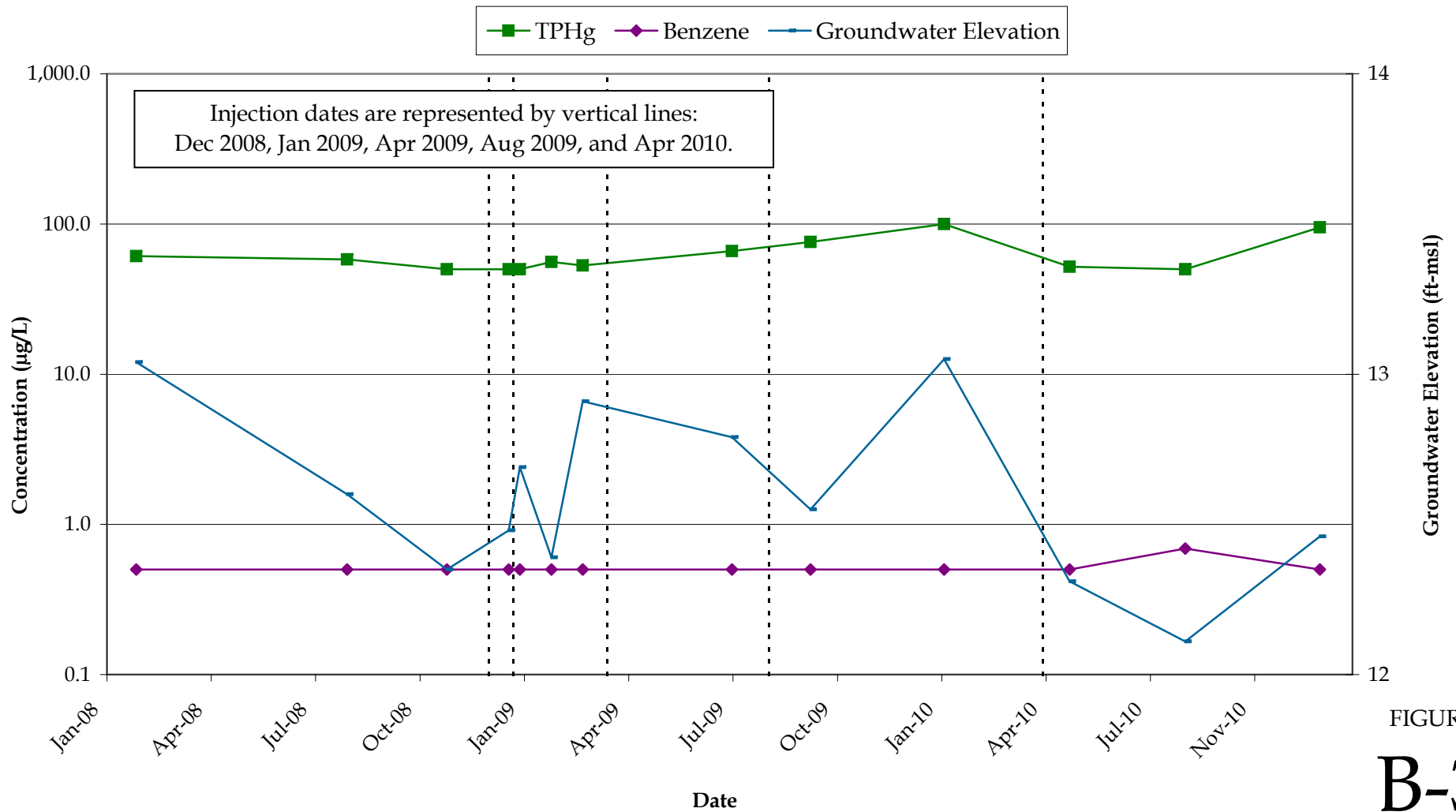
FIGURE  
**B-2**

Former Shell Service Station  
461 8th Street  
Oakland, California



S-9:  
TPHg and Benzene Groundwater  
Concentrations and Groundwater Elevation versus Time





FIGURE

**B-3**

Former Shell Service Station  
461 8th Street  
Oakland, California



S-10:  
TPHg and Benzene Groundwater  
Concentrations and Groundwater Elevation versus  
Time

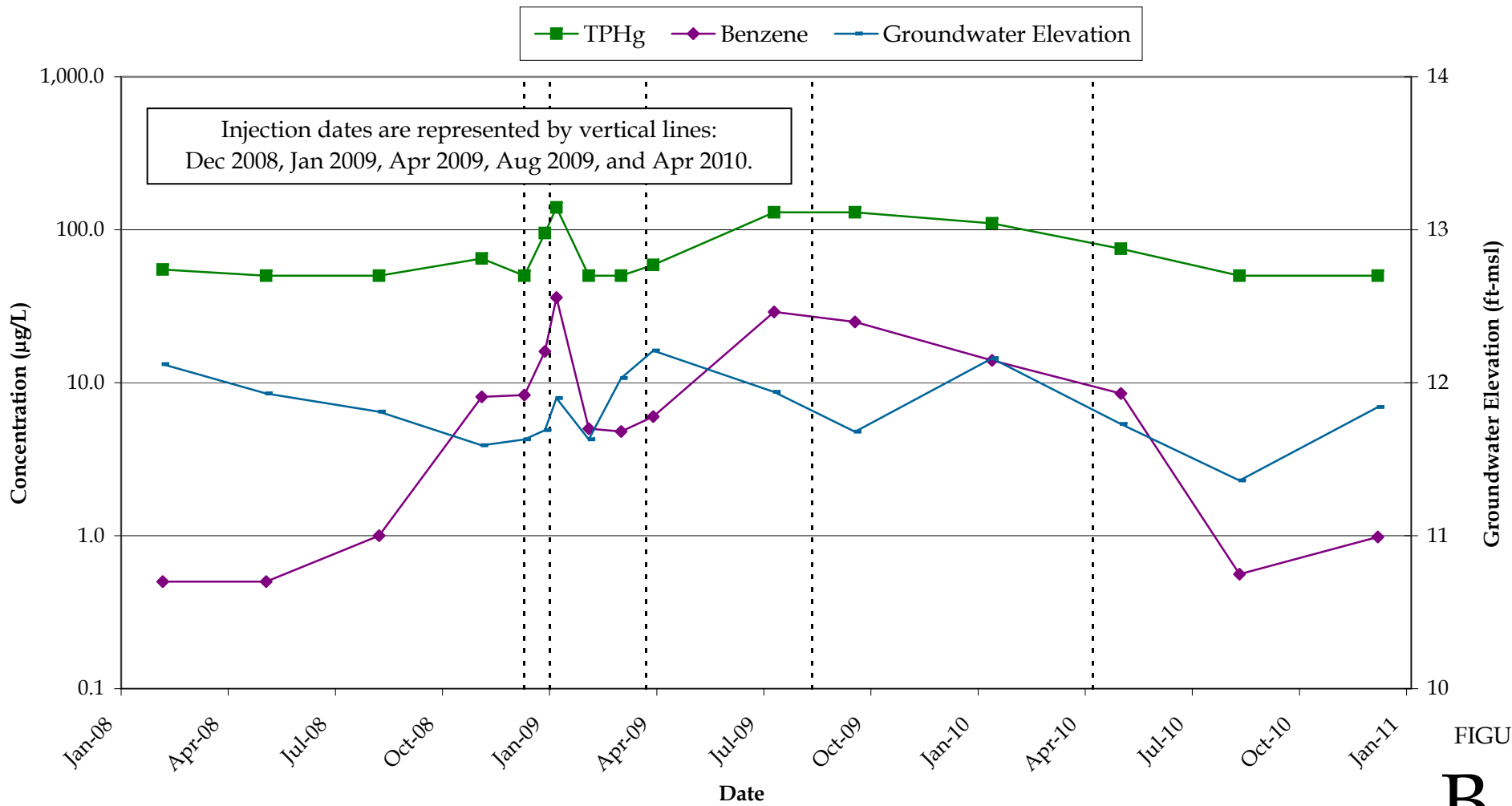


FIGURE  
**B-4**

Former Shell Service Station  
461 8th Street  
Oakland, California



S-12:  
TPHg and Benzene Groundwater  
Concentrations and Groundwater Elevation versus  
Time

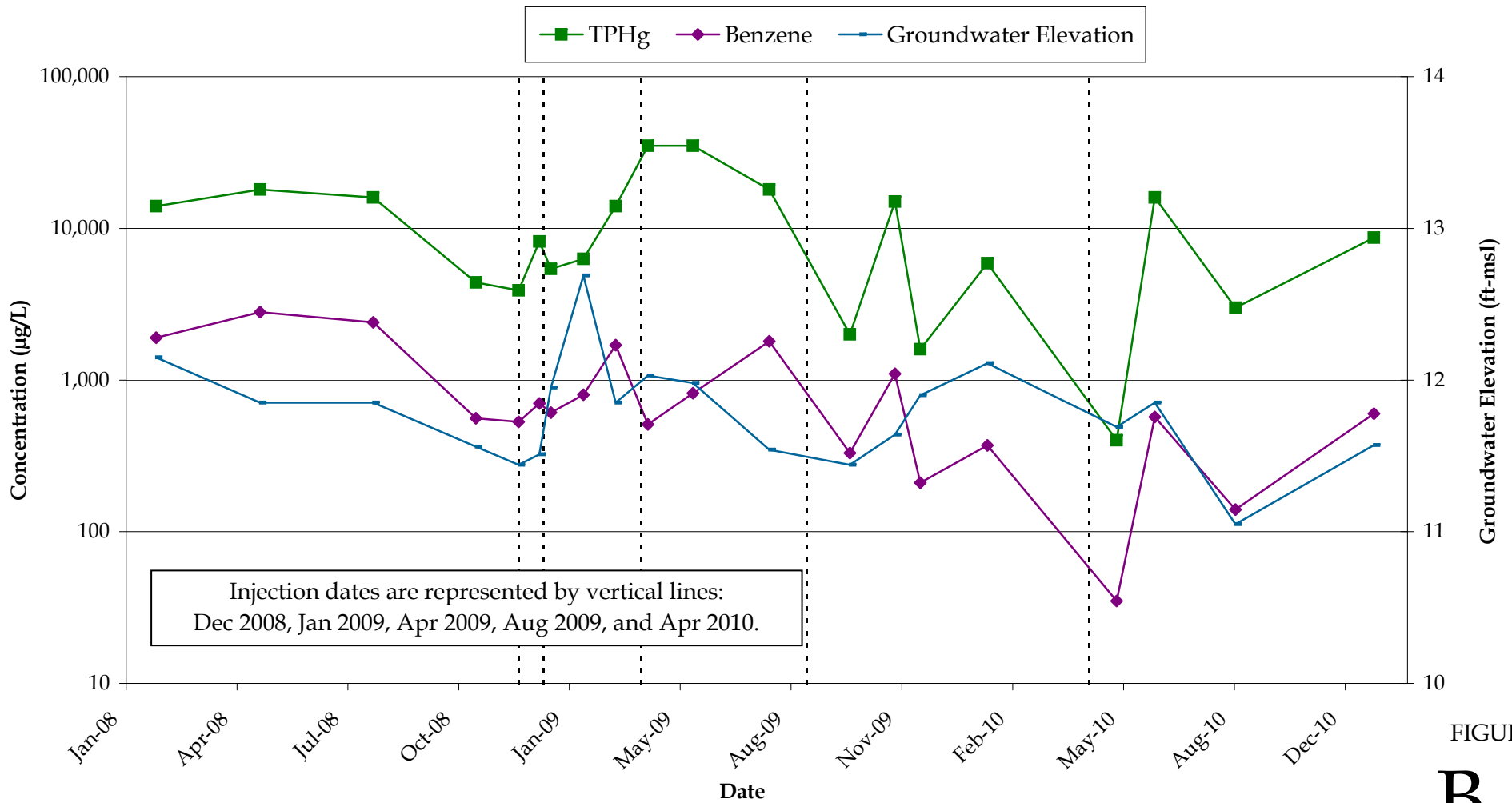


FIGURE  
**B-5**

Former Shell Service Station  
461 8th Street  
Oakland, California



S-13:  
TPHg and Benzene Groundwater  
Concentrations and Groundwater Elevation versus  
Time

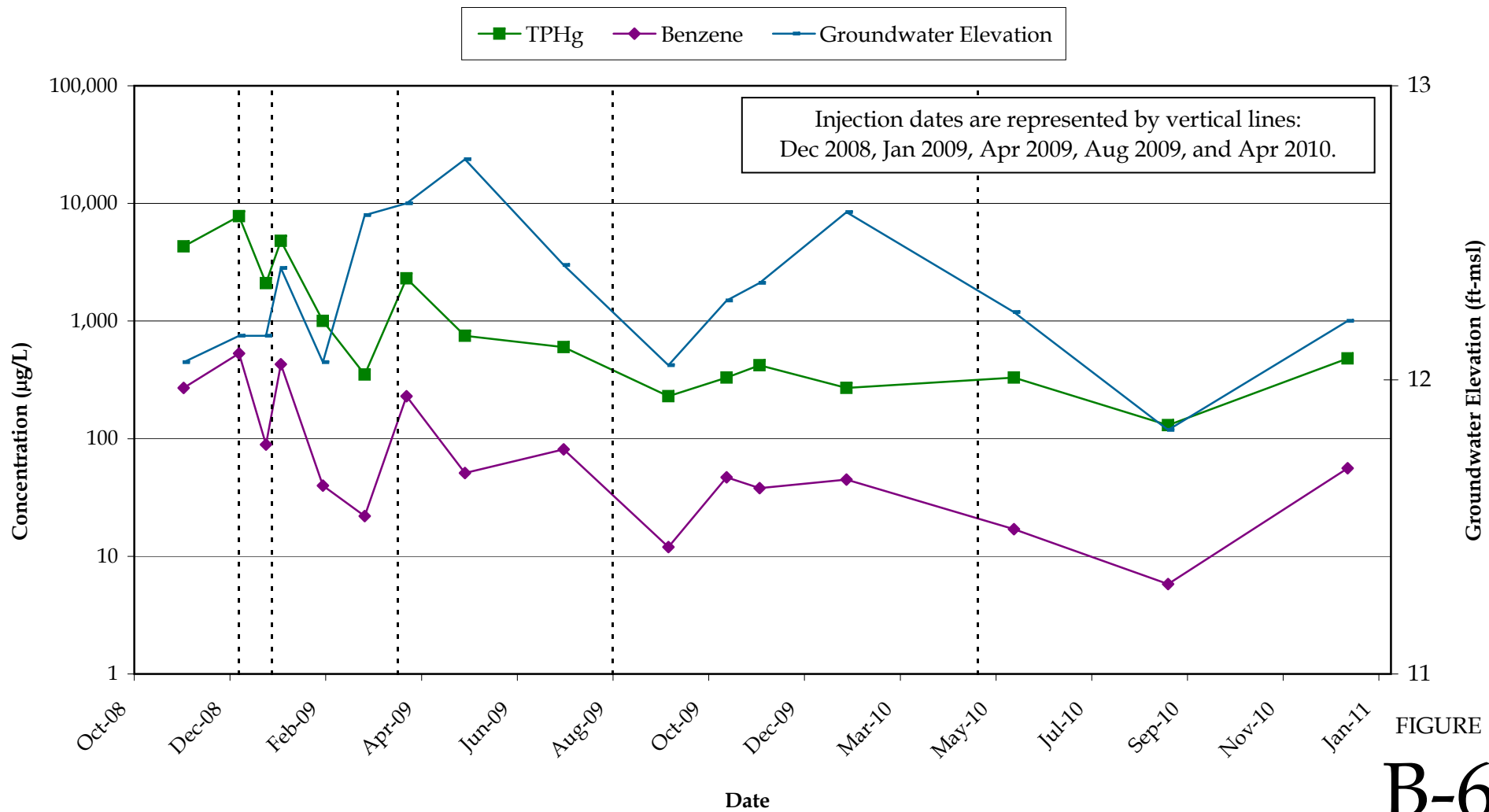


FIGURE  
**B-6**

Former Shell Service Station  
461 8th Street  
Oakland, California



S-14R:  
TPHg and Benzene Groundwater  
Concentrations and Groundwater Elevation versus  
Time

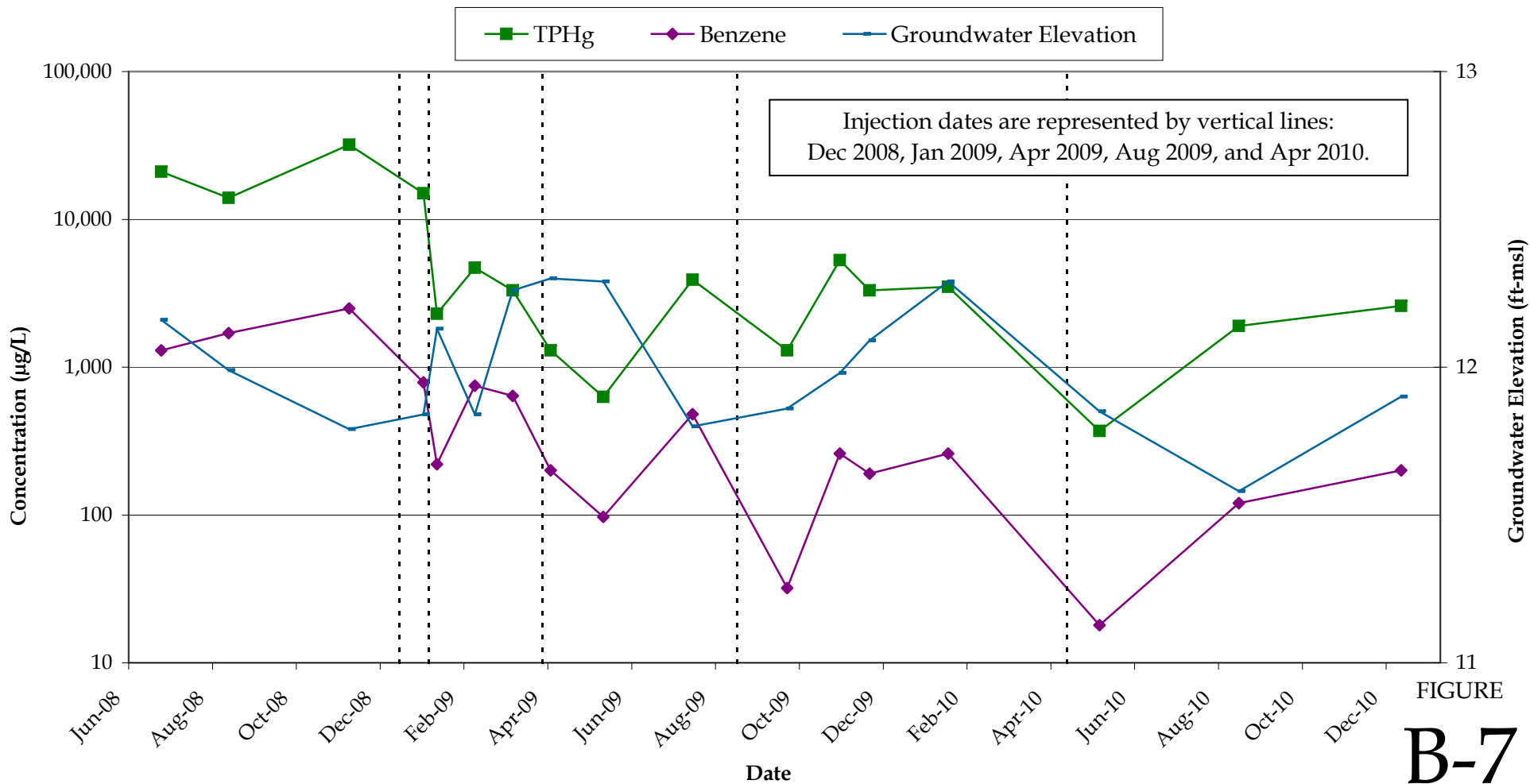


FIGURE  
**B-7**

Former Shell Service Station  
461 8th Street  
Oakland, California



S-17:  
TPHg and Benzene Groundwater  
Concentrations and Groundwater Elevation versus  
Time

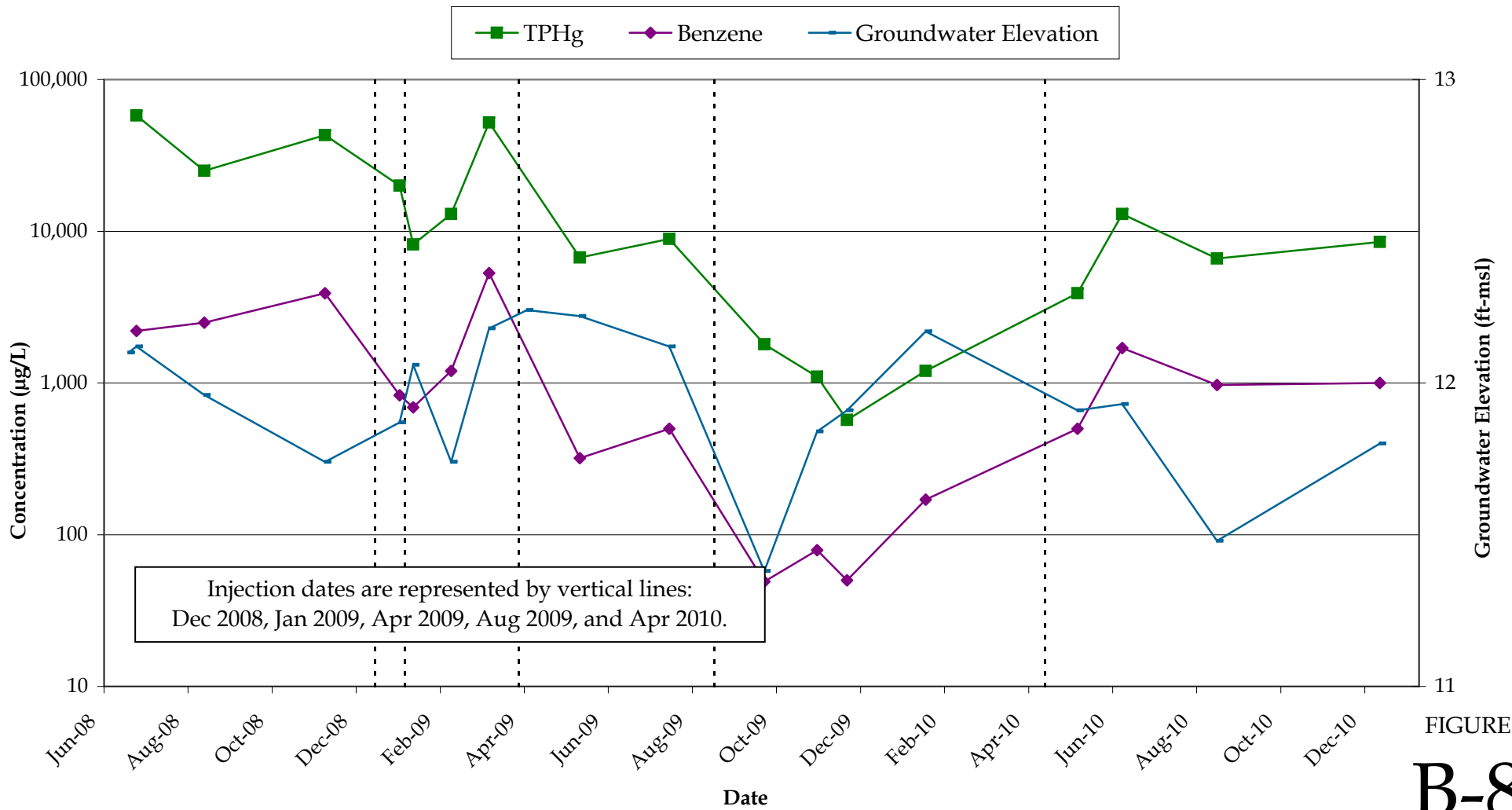


FIGURE  
**B-8**

Former Shell Service Station  
461 8th Street  
Oakland, California



S-18:  
TPHg and Benzene Groundwater  
Concentrations and Groundwater Elevation versus  
Time

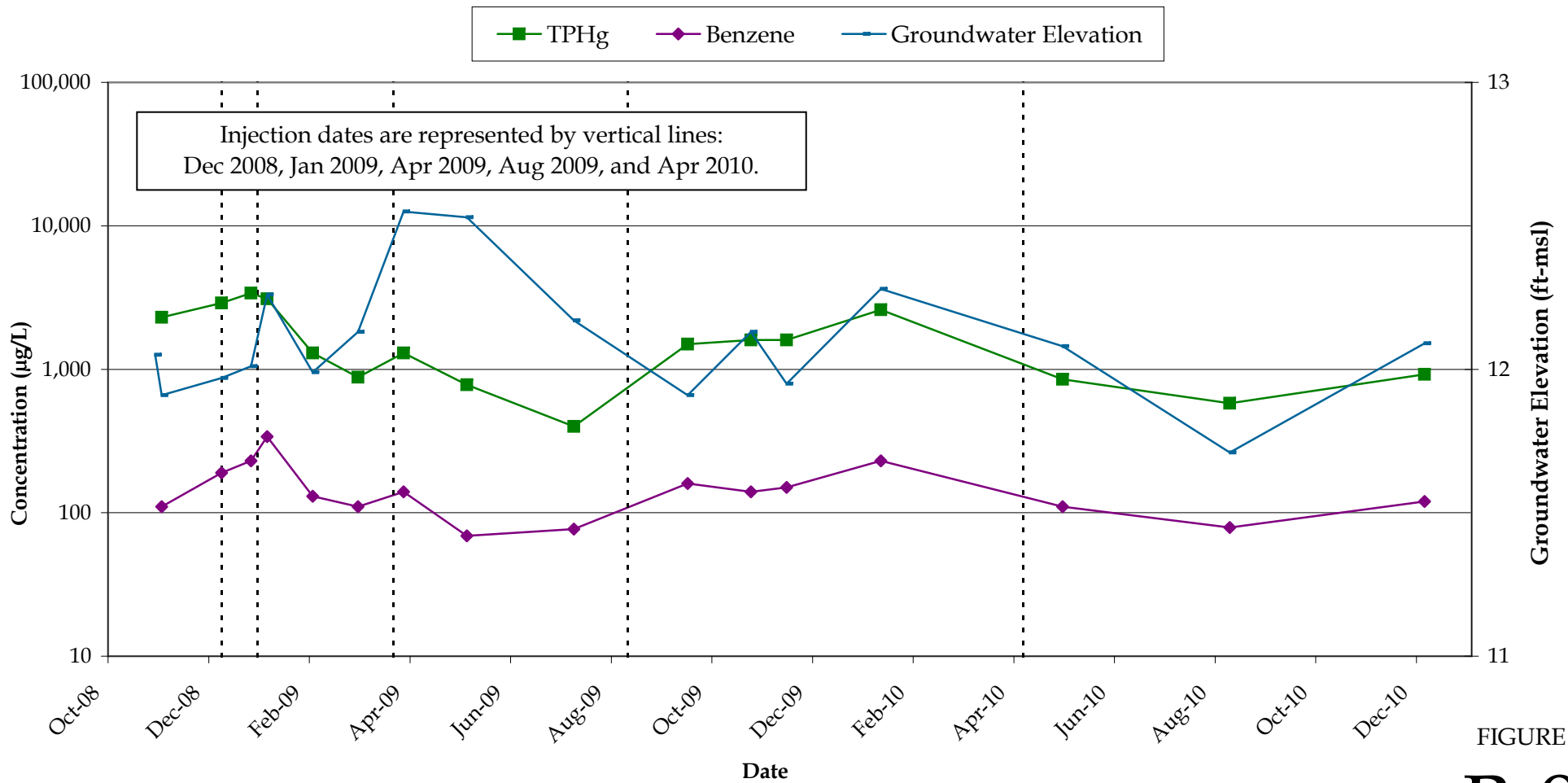


FIGURE  
**B-9**

Former Shell Service Station  
461 8th Street  
Oakland, California



S-19:  
TPHg and Benzene Groundwater  
Concentrations and Groundwater Elevation versus Time

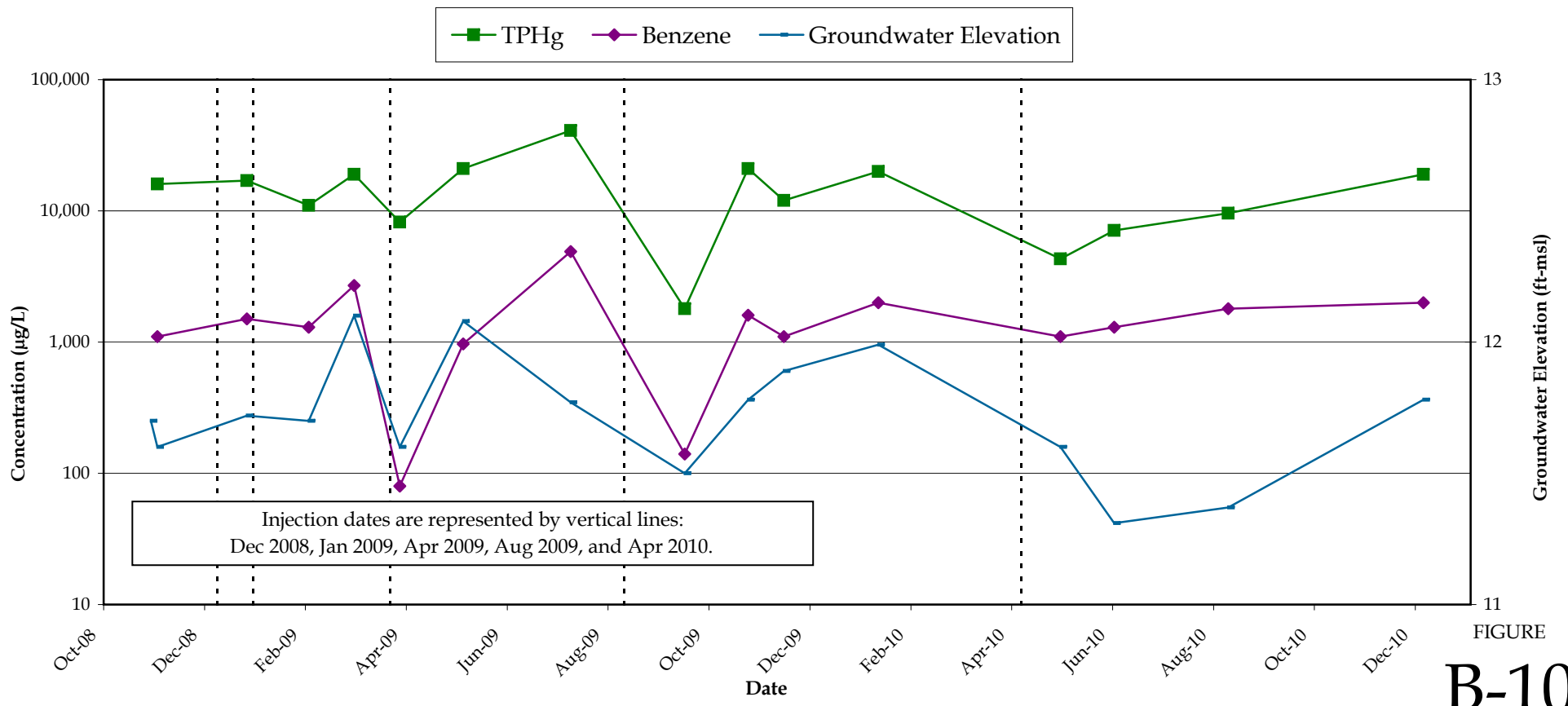


FIGURE  
**B-10**

Former Shell Service Station  
461 8th Street  
Oakland, California



TPHg and Benzene Group  
Concentrations and Groundwater Elevation versus



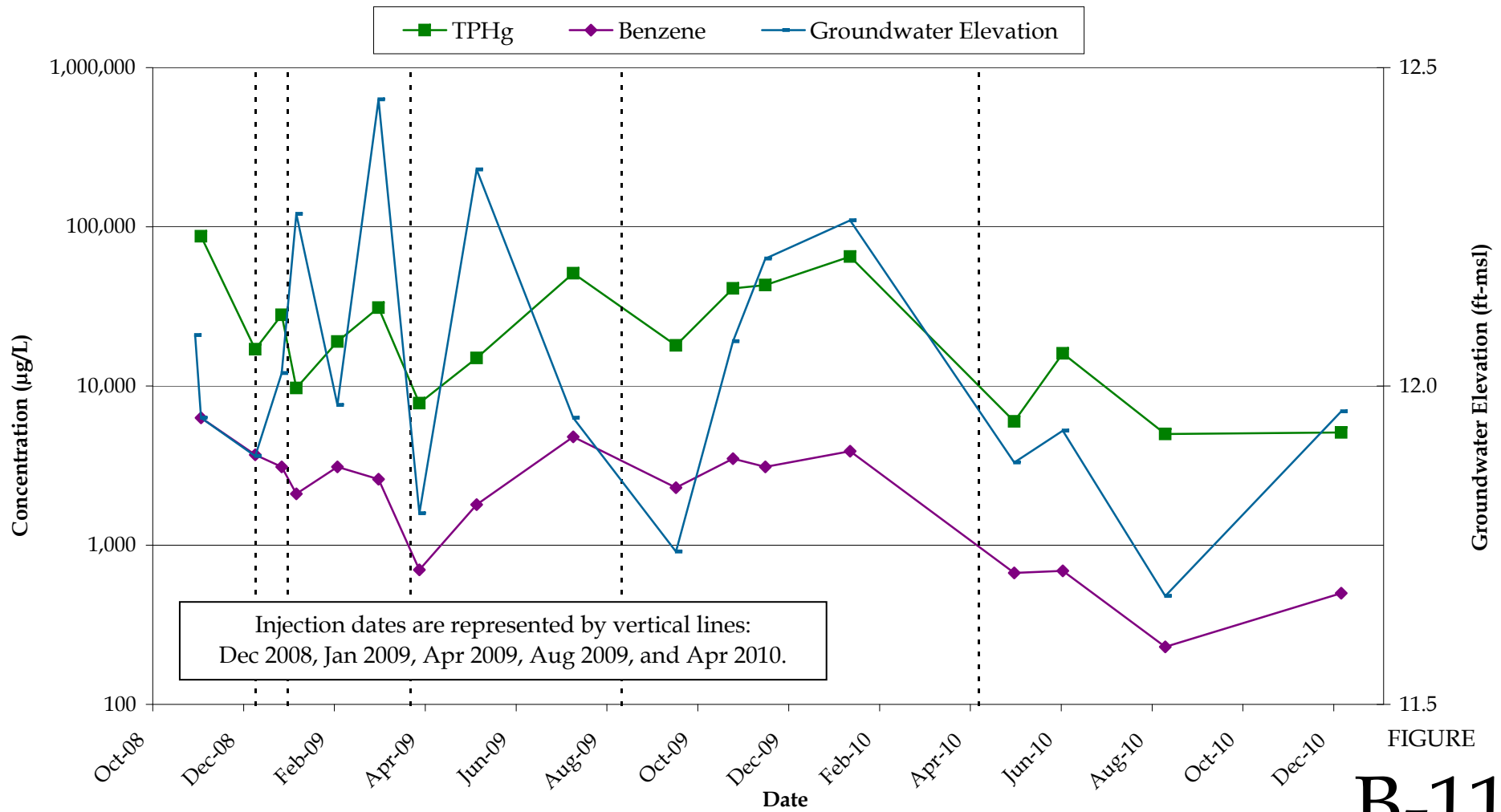


FIGURE  
**B-11**

Former Shell Service Station  
461 8th Street  
Oakland, California



S-21A:  
TPHg and Benzene Groundwater  
Concentrations and Groundwater Elevation versus Time

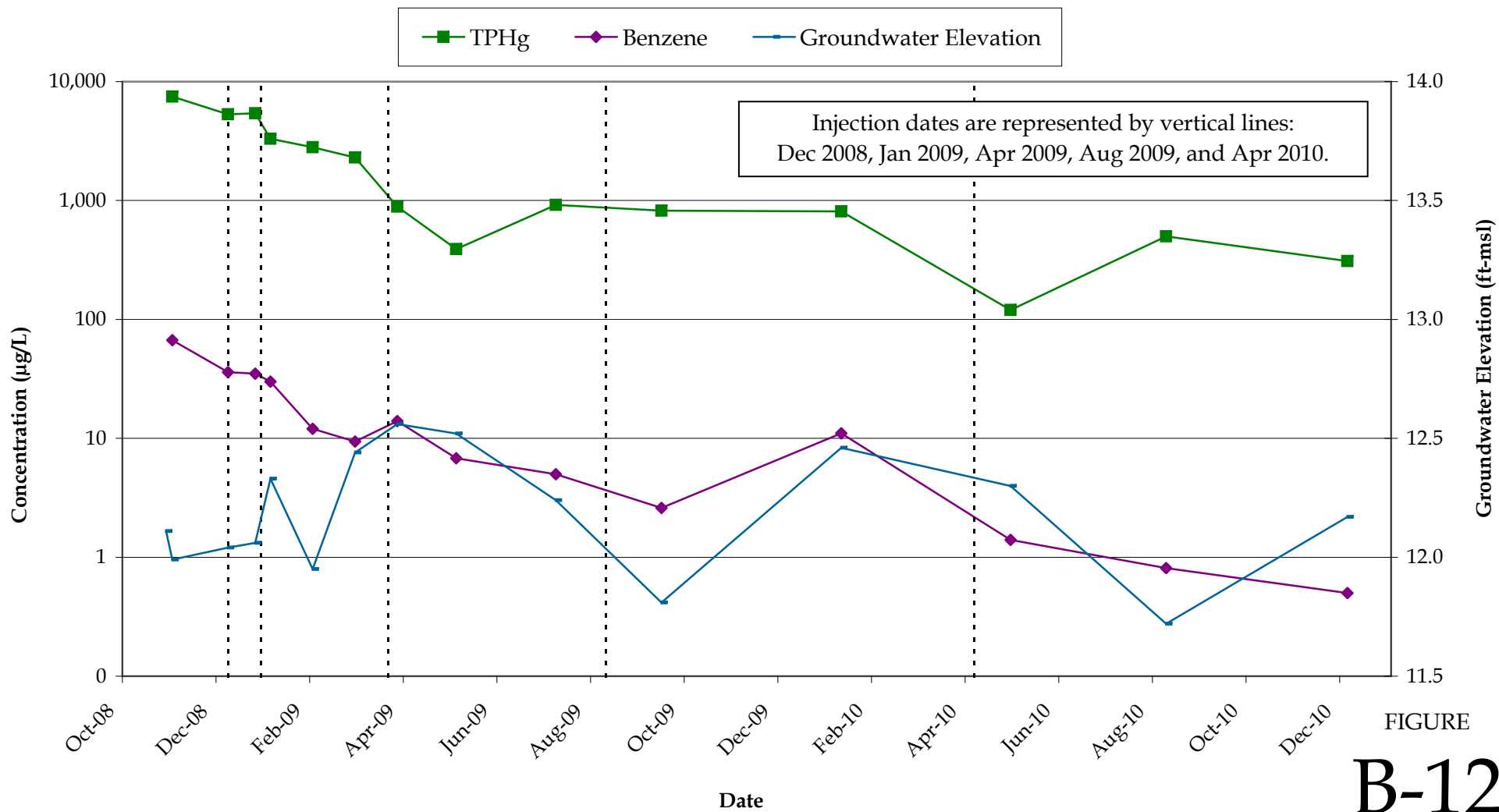


FIGURE  
**B-12**

Former Shell Service Station  
461 8th Street  
Oakland, California



S-21B:  
TPHg and Benzene Groundwater  
Concentrations and Groundwater Elevation versus  
Time

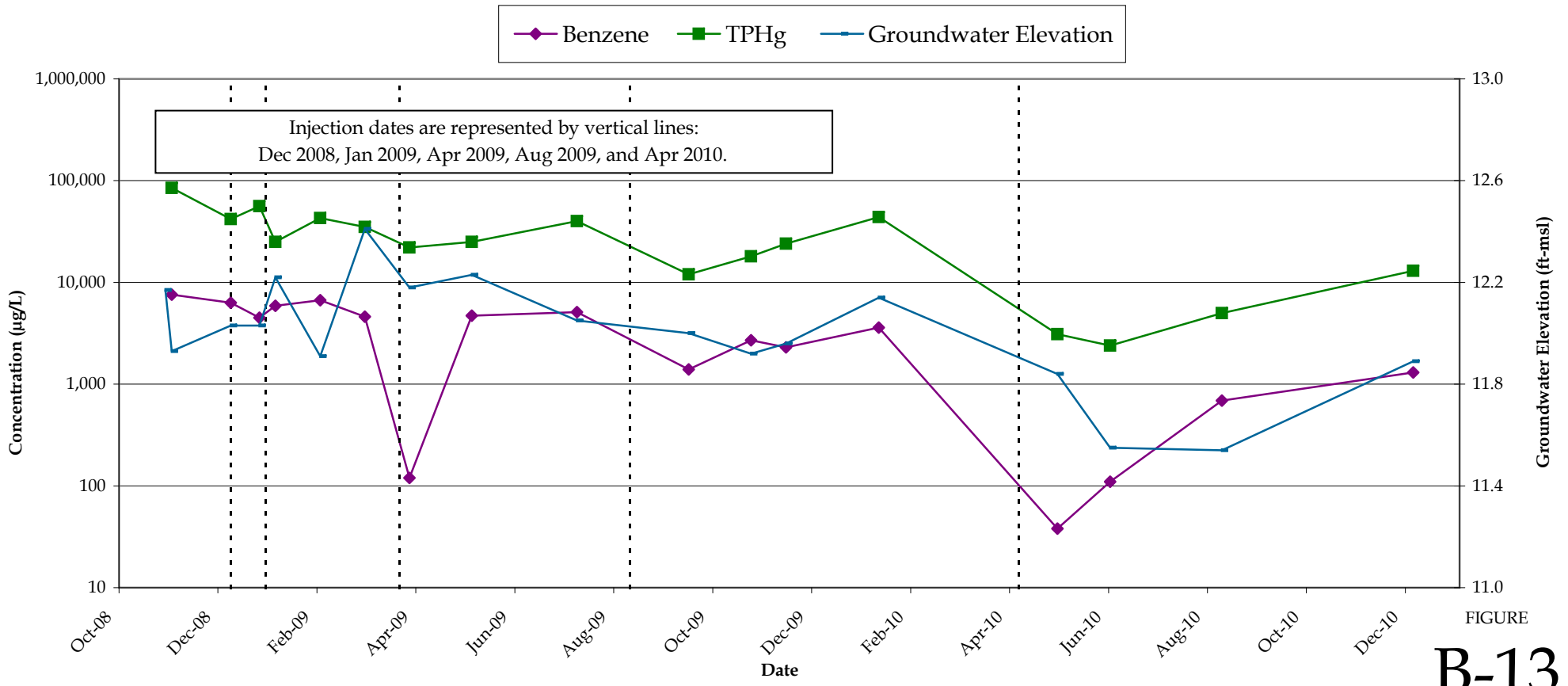


FIGURE  
**B-13**

Former Shell Service Station  
461 8th Street  
Oakland, California



TPHg and Benzene Groun  
Concentrations and Groundwater Elevatu versu

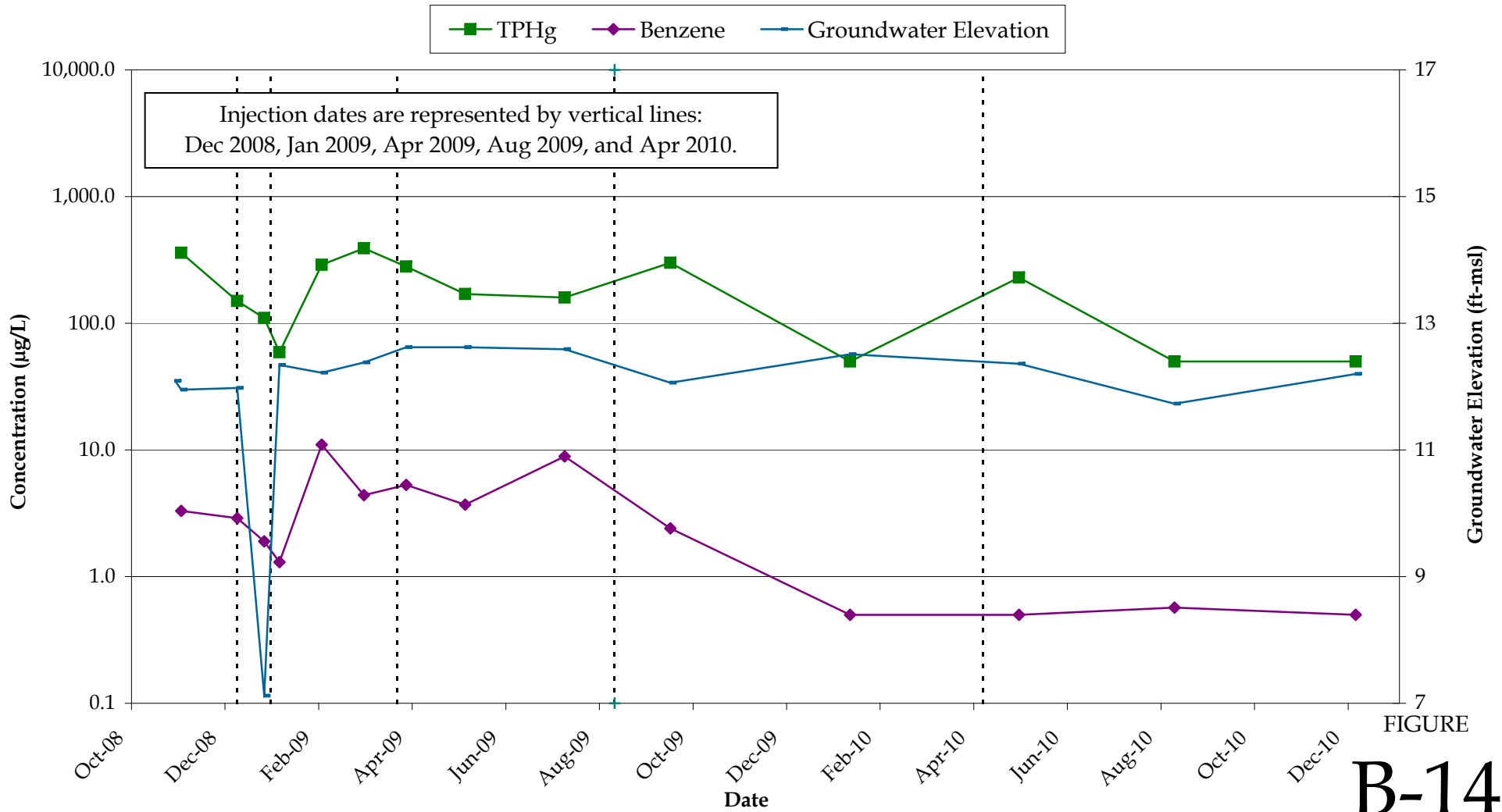


FIGURE  
**B-14**

Former Shell Service Station  
461 8th Street  
Oakland, California



S-22B:  
TPHg and Benzene Groundwater  
Concentrations and Groundwater Elevation versus  
Time

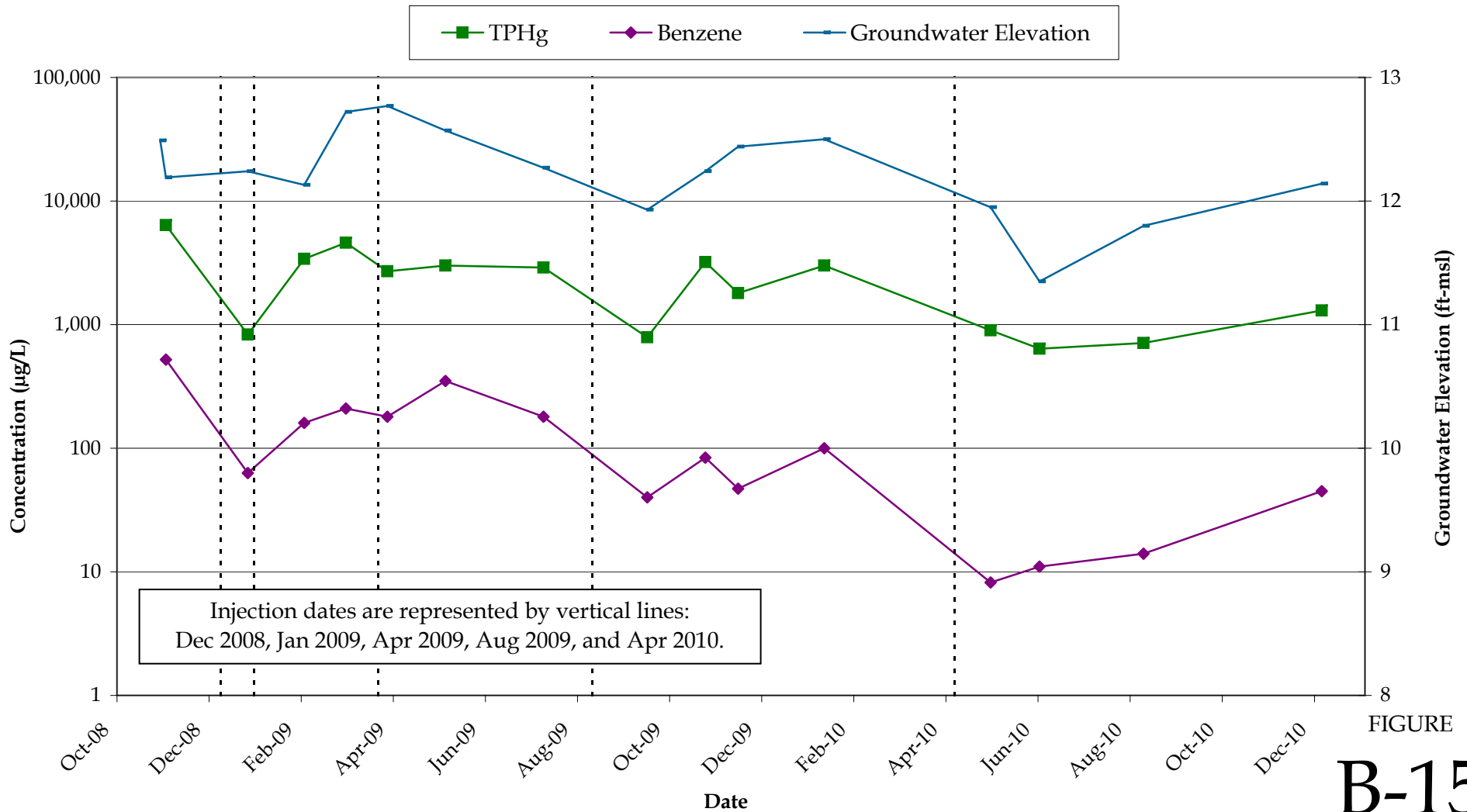


FIGURE  
**B-15**

Former Shell Service Station  
461 8th Street  
Oakland, California



S-23:  
TPHg and Benzene Groundwater  
Concentrations and Groundwater Elevation versus Time

## APPENDIX C

### SULFATE AND DO CONCENTRATIONS AND ORP MEASUREMENTS VERSUS TIME

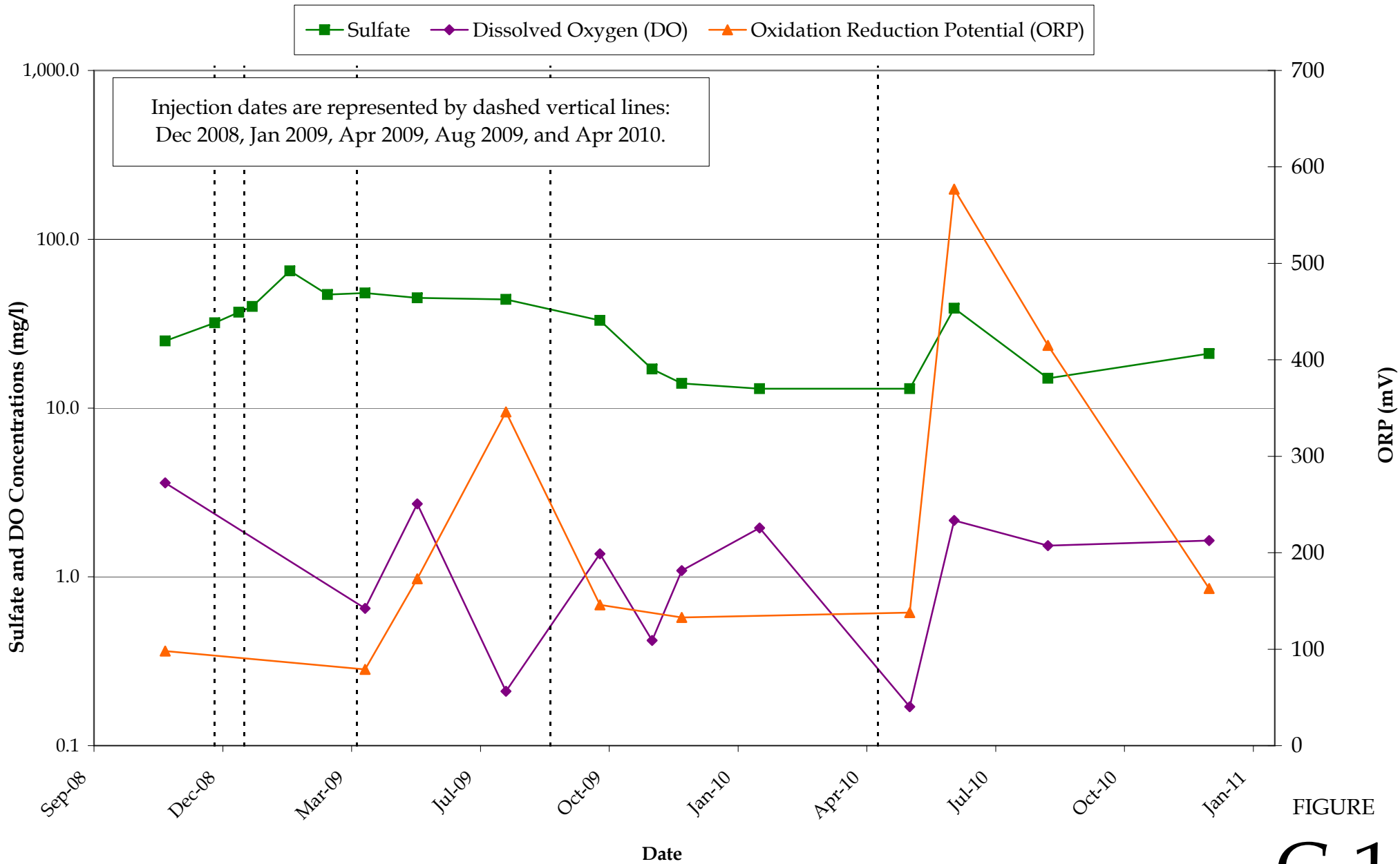


FIGURE  
**C-1**

**Former Shell Service Station**  
461 8th Street  
Oakland, California



**S-9:**  
**Sulfate and DO Groundwater Concentrations**  
**and**  
**ORP Groundwater Measurements vs. Time**

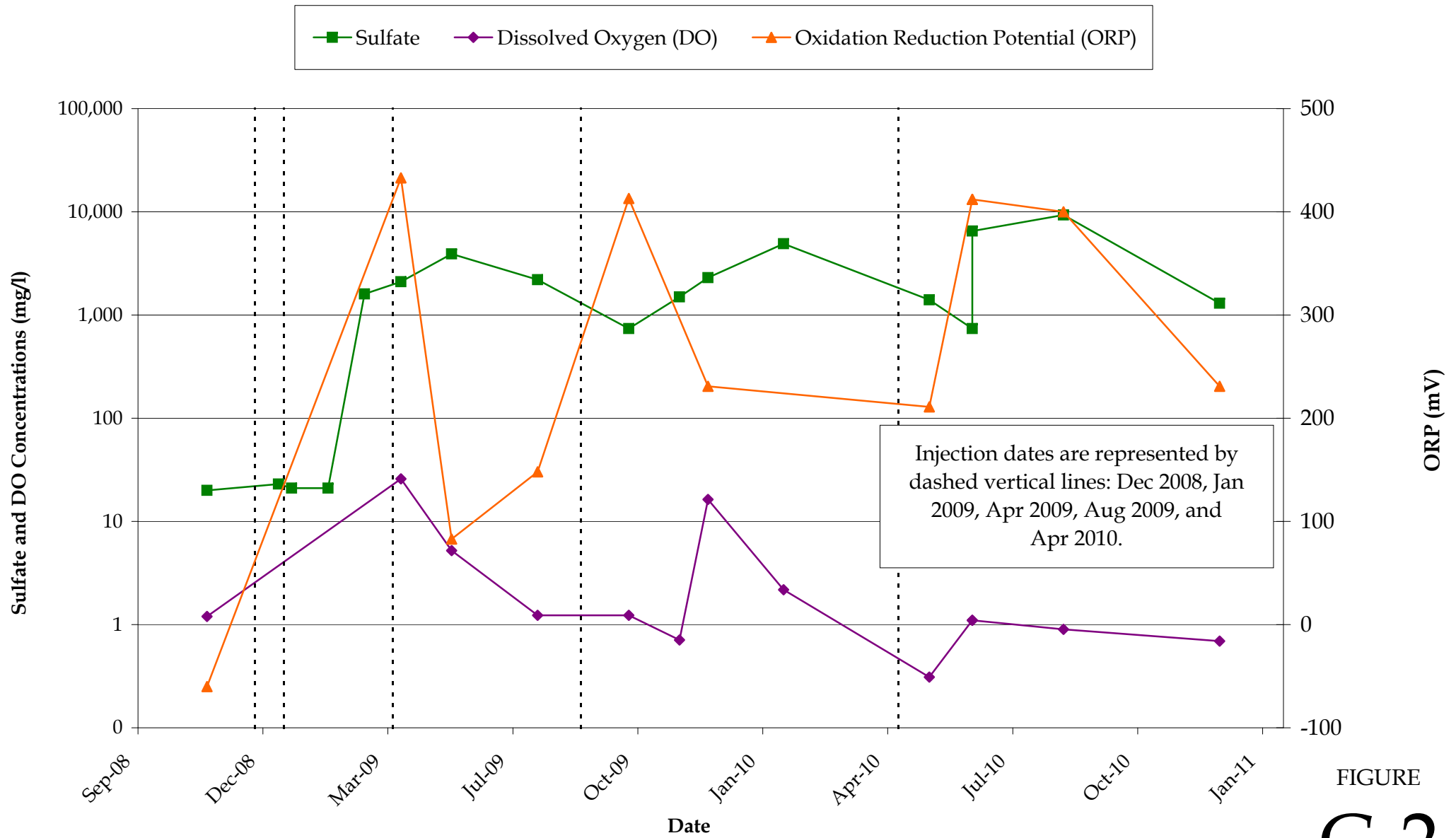


FIGURE  
**C-2**

**Former Shell Service Station**  
 461 8th Street  
 Oakland, California



**S-13:**  
**Sulfate and DO Groundwater Concentrations**  
**and**  
**ORP Groundwater Measurements vs. Time**



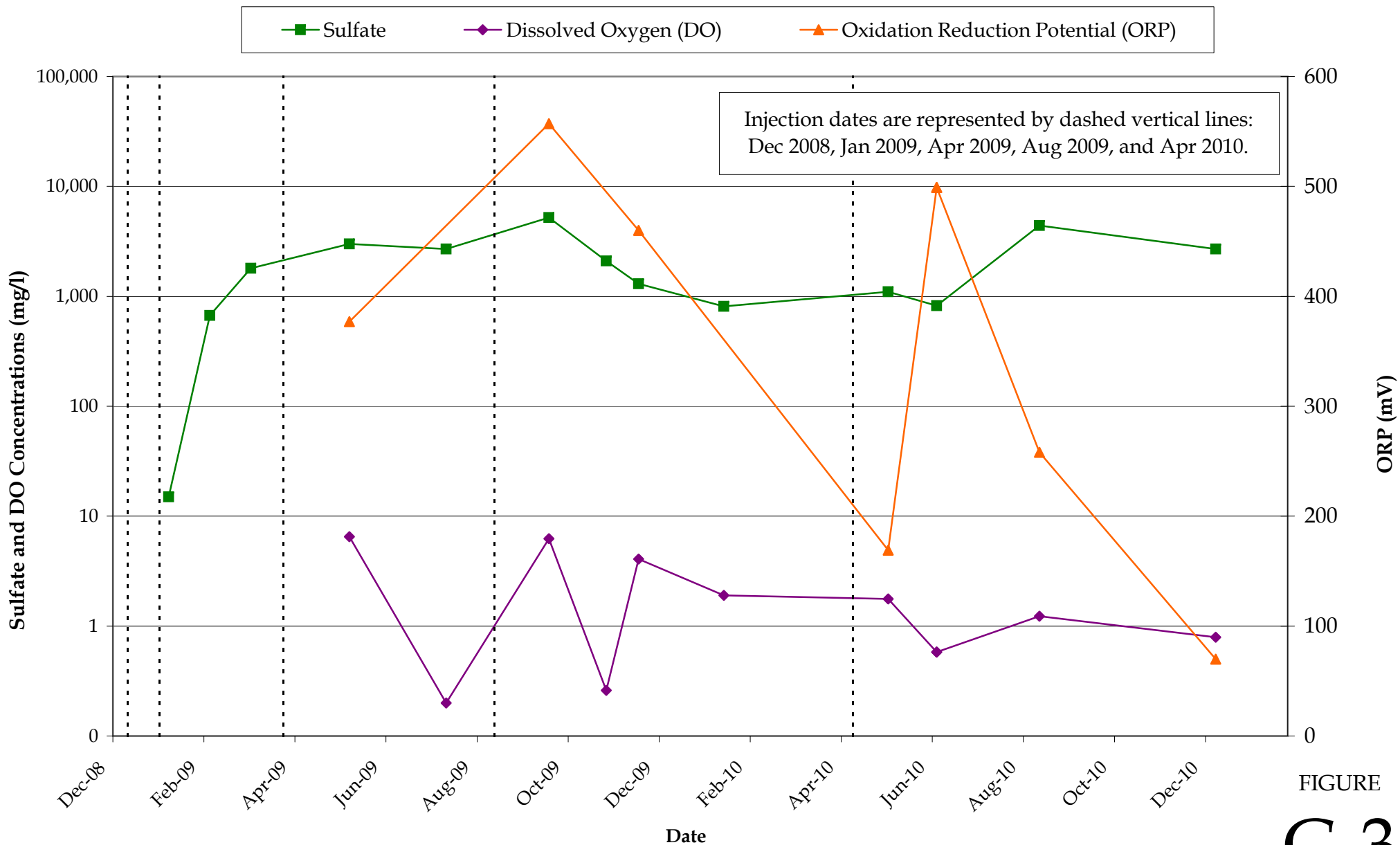
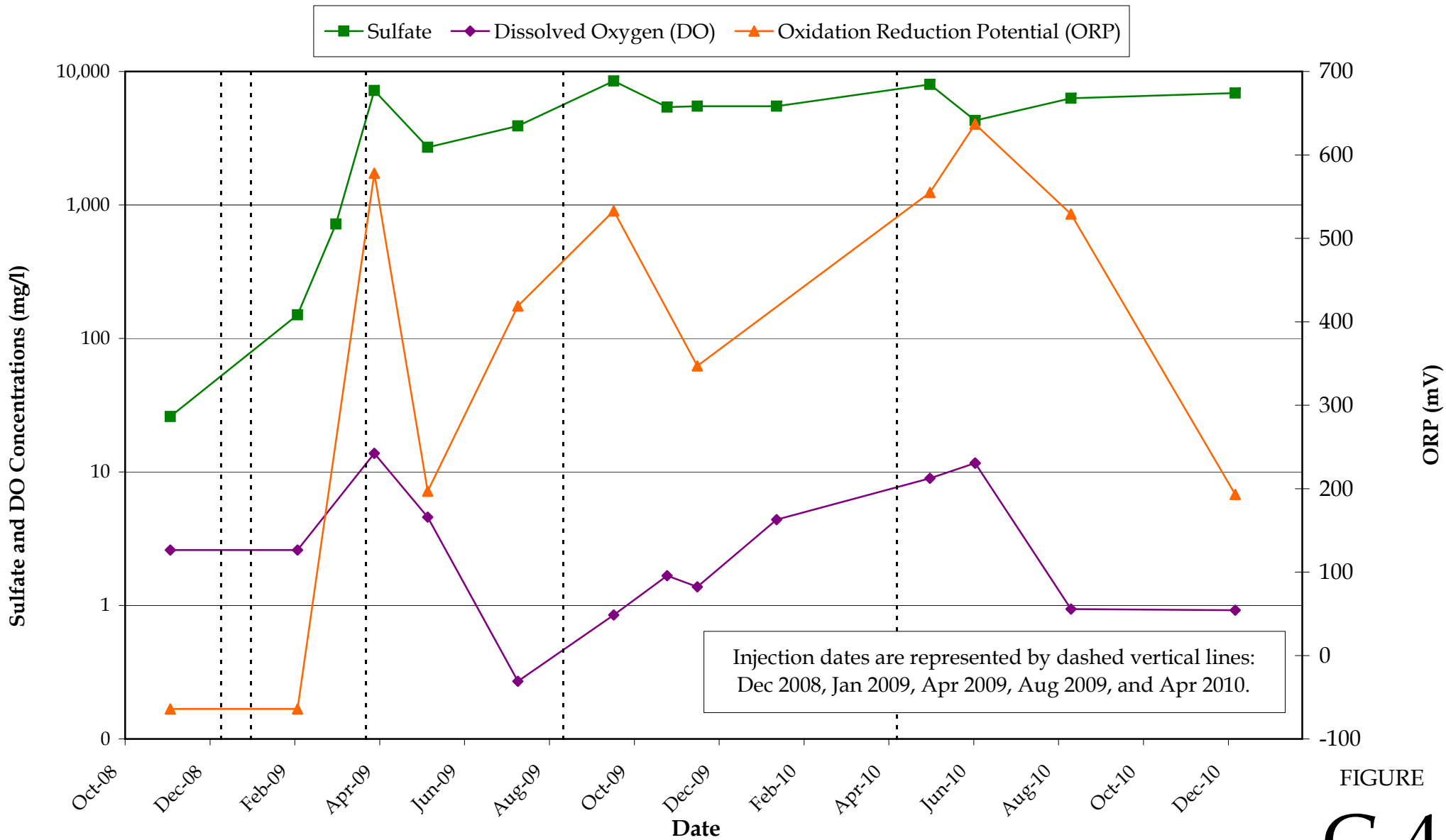


FIGURE  
**C-3**

**Former Shell Service Station**  
**461 8th Street**  
**Oakland, California**



**S-18:**  
**Sulfate and DO Groundwater Concentrations and**  
**ORP Groundwater Measurements vs. Time**



FIGURE

C-4

Former Shell Service Station  
461 8th Street  
Oakland, California



S-20:  
Sulfate and DO Groundwater Concentrations and  
ORP Groundwater Measurements vs. Time

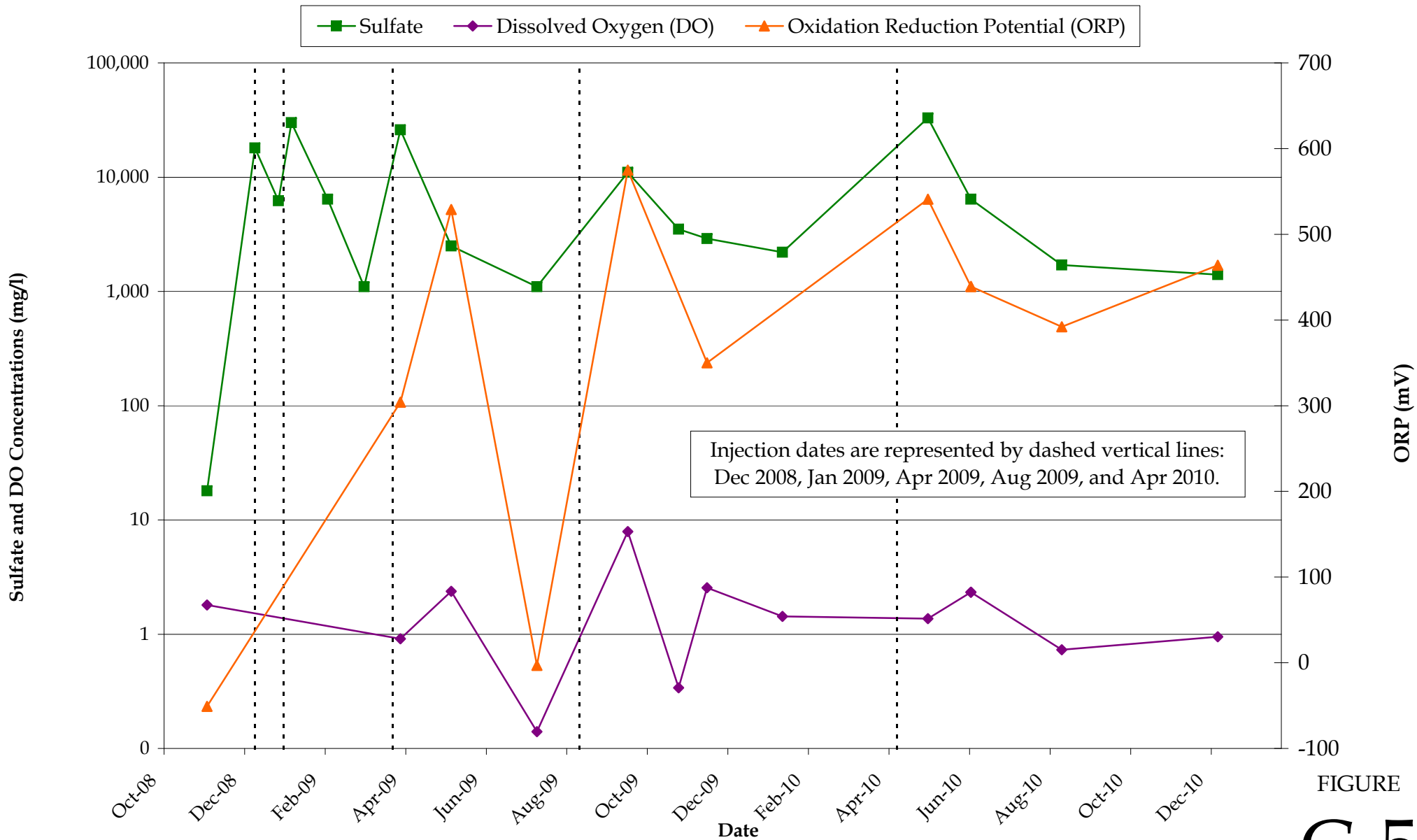


FIGURE  
**C-5**

**Former Shell Service Station**  
 461 8th Street  
 Oakland, California



**S-21A:**  
**Sulfate and DO Groundwater Concentrations and**  
**ORP Groundwater Measurements vs. Time**

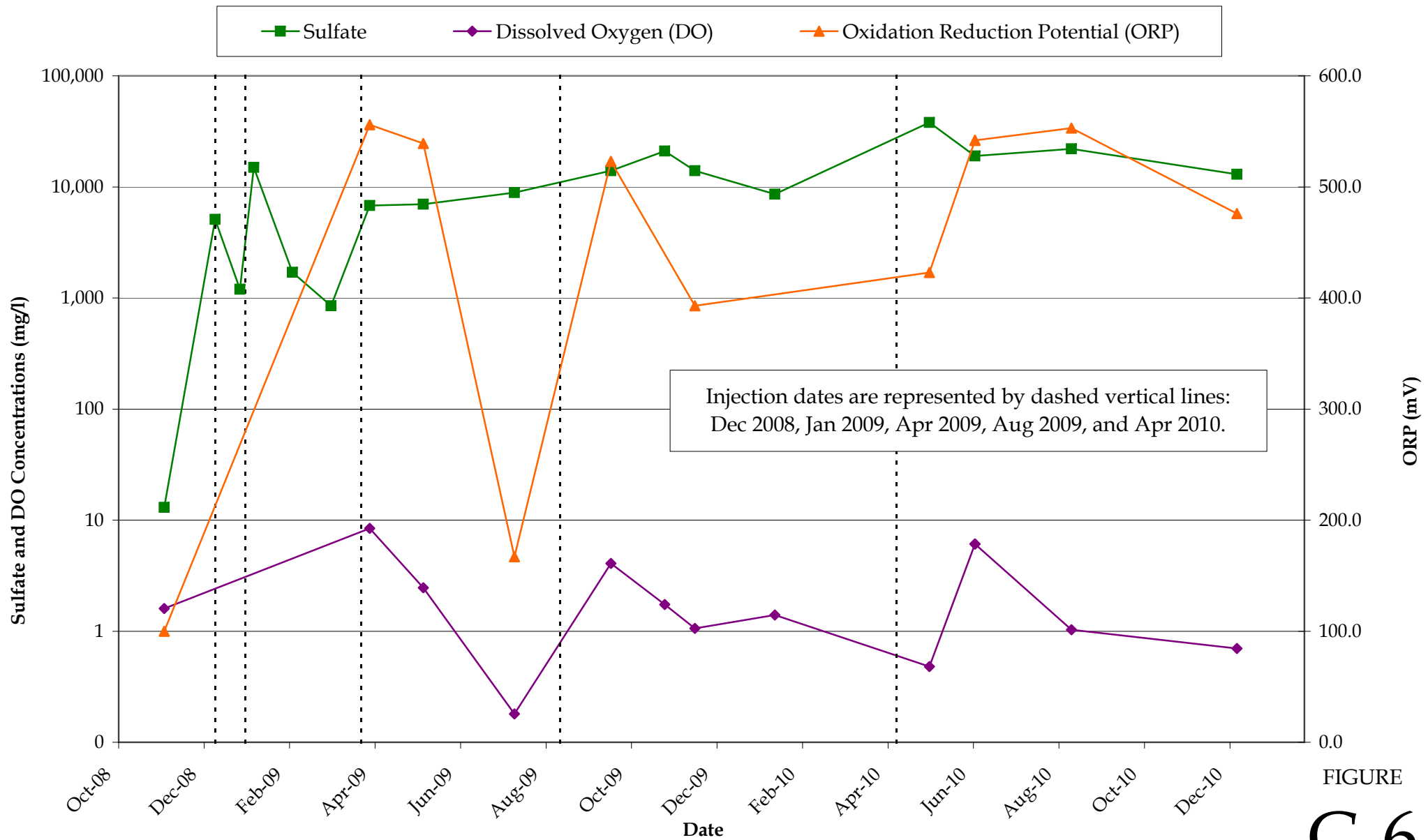


FIGURE  
**C-6**

**Former Shell Service Station**  
461 8th Street  
Oakland, California



**S-22A:**  
**Sulfate and DO Groundwater Concentrations**  
**and**  
**ORP Groundwater Measurements vs. Time**

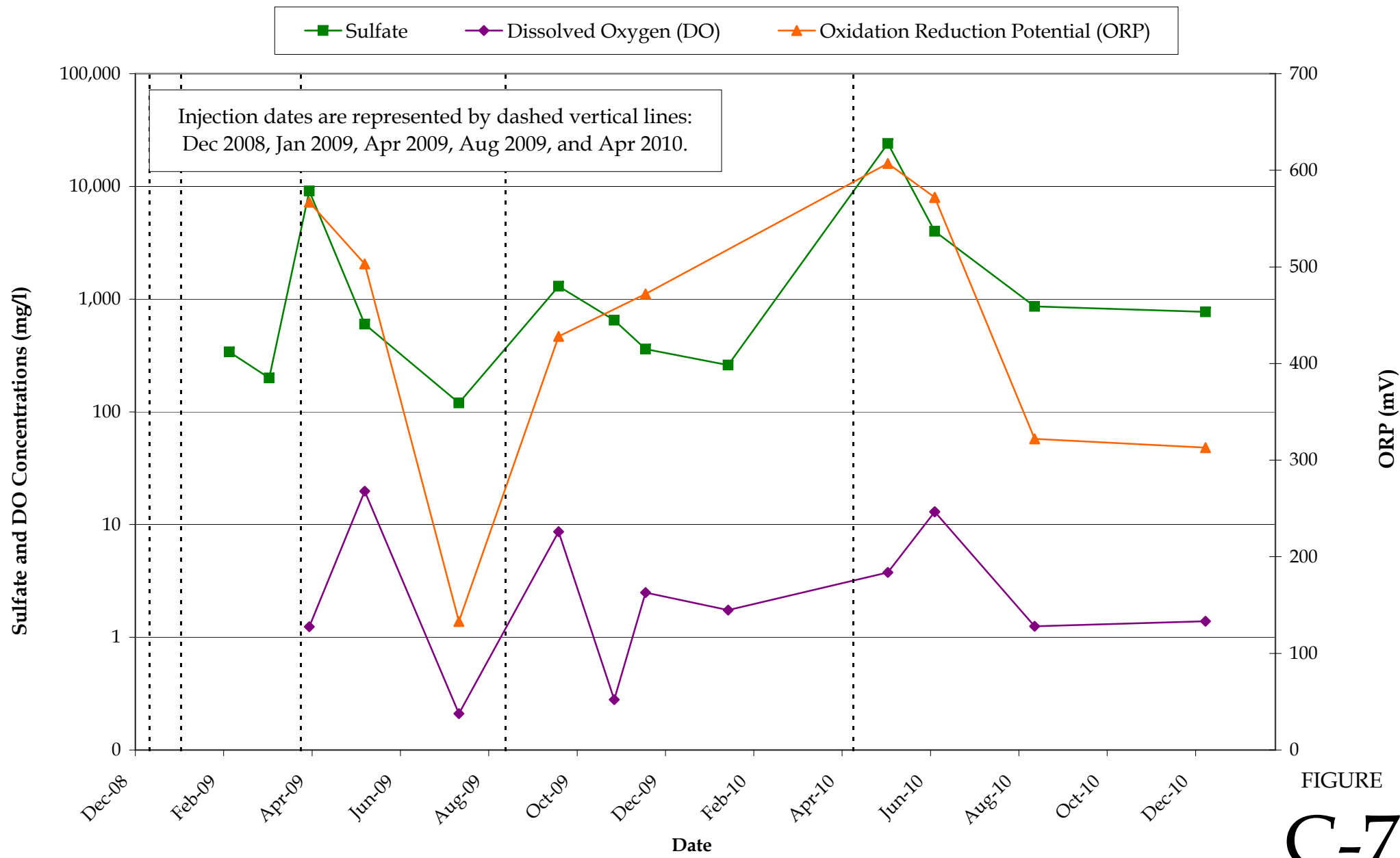


FIGURE  
**C-7**

**Former Shell Service Station**  
461 8th Street  
Oakland, California



**S-23:**  
**Sulfate and DO Groundwater Concentrations and**  
**ORP Groundwater Measurements vs. Time**