CONESTOGA-ROVERS & ASSOCIATES

5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: (510) 420-0700 Fax: (510) 420-9170
www.CRAworld.com

TRANSMITTAL

DATE: October 28, 2010

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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4:15 pm, Nov 01, 2010
Alameda County
Environmental Health

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- ☐ Mail
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QUANTITY	DESCRIPTION
1	Groundwater Monitoring and Remediation Report – Third Quarter 2010

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

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: Peter Schaefer

Filing: **Correspondence File**

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

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

Subject: Former Shell Service Station
461 8th 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,

Denis L. Brown
Senior Program Manager

GROUNDWATER MONITORING AND REMEDIATION REPORT - THIRD QUARTER 2010

FORMER SHELL SERVICE STATION
461 8TH STREET
OAKLAND, CALIFORNIA

SAP CODE	129453
INCIDENT NO.	97093399
AGENCY NO.	RO0000343

Prepared by:
Conestoga-Rovers & Associates

5900 Hollis Street, Suite A
Emeryville, California
U.S.A. 94608

Office: (510) 420-0700
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web: http://www.CRAworld.com

OCTOBER 28, 2010
REF. NO. 241501 (20)
This report is printed on recycled paper.

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(Following Text)

LIST OF APPENDICES

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) September 7, 2010 electronic correspondence approved extending the due date for this report from September 15, 2010 to November 1, 2010 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 September 14, 2010 (electronic).

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

Blaine Tech Services, Inc. (Blaine) gauged and sampled wells S-9, S-13, S-18, S-20, S-21A, S-22A, and S-23 on June 22, 2010, approximately 2 months after the April 2010 insitu chemical oxidation (ISCO) groundwater treatment injection event and conducted sampling according to the modified quarterly groundwater monitoring program on August 31, 2010, approximately 4 months following the 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 (EPA Method 300.0).

CRA prepared a vicinity map (Figure 1) and a groundwater contour and chemical concentration map (Figure 2) presenting data from the August 2010 event. Blaine's report, presenting the analytical data for both sampling events, is included in Appendix A.

CRA submitted an *In Situ Chemical Oxidation Pilot Test Report* to ACEH on September 21, 2010.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	South to southwesterly (August 31, 2010)
Hydraulic Gradient	Averages 0.01 (August 31, 2010)
Depth to Water	16.95 to 25.08 feet below top of well casing (August 31, 2010)

2.3 PROPOSED ACTIVITIES

Blaine will gauge and sample wells according to the modified quarterly groundwater monitoring program outlined in CRA's June 15, 2010 *Groundwater Monitoring and Remediation Report – Second Quarter 2010.* All wells will be sampled 8 months following the April 2010 ISCO injection event (December 2010), and CRA proposes to submit the fourth quarter 2010 groundwater monitoring report by February 15, 2011.

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 is in negotiations with BART and the City of Oakland for access to their properties; however, to date we have not received any response from the two private property owners. Contingent upon receiving access to the four properties on Broadway and BART, CRA will submit a report detailing the water sampling by January 15, 2011.

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

NA = Not analyzed
µg/l = Micrograms per liter

3.2 DO

During the August 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 1.03 milligrams per liter (mg/l) and ranged from 0.73 to 1.32 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 August 2010 groundwater sampling event, ORP measurements in the injection area ranged from 258 to 553 millivolts, in contrast with -102 to 180 millivolts in wells outside the injection area (S-8, S-10, S-5, S-6, S-12, and S-14R), indicating that there is good distribution of ISCO chemicals in the injection area. Post-ISCO injection area ORP ranges are also higher than the pre-ISCO ORP range of -64 to 117 millivolts 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 August 2010 groundwater sampling event, sulfate concentrations in the injection area ranged from 860 to 22,000 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 have substantially increased following ISCO injection events, with the exception of well S-9, which has remained relatively stable.

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[1].

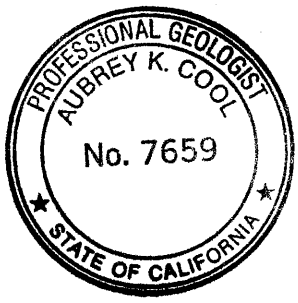
Based on current results, no further ISCO pilot testing is recommended. CRA recommends continued quarterly groundwater monitoring to assess the effectiveness of the recent ISCO injections.

1 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

11/10/08

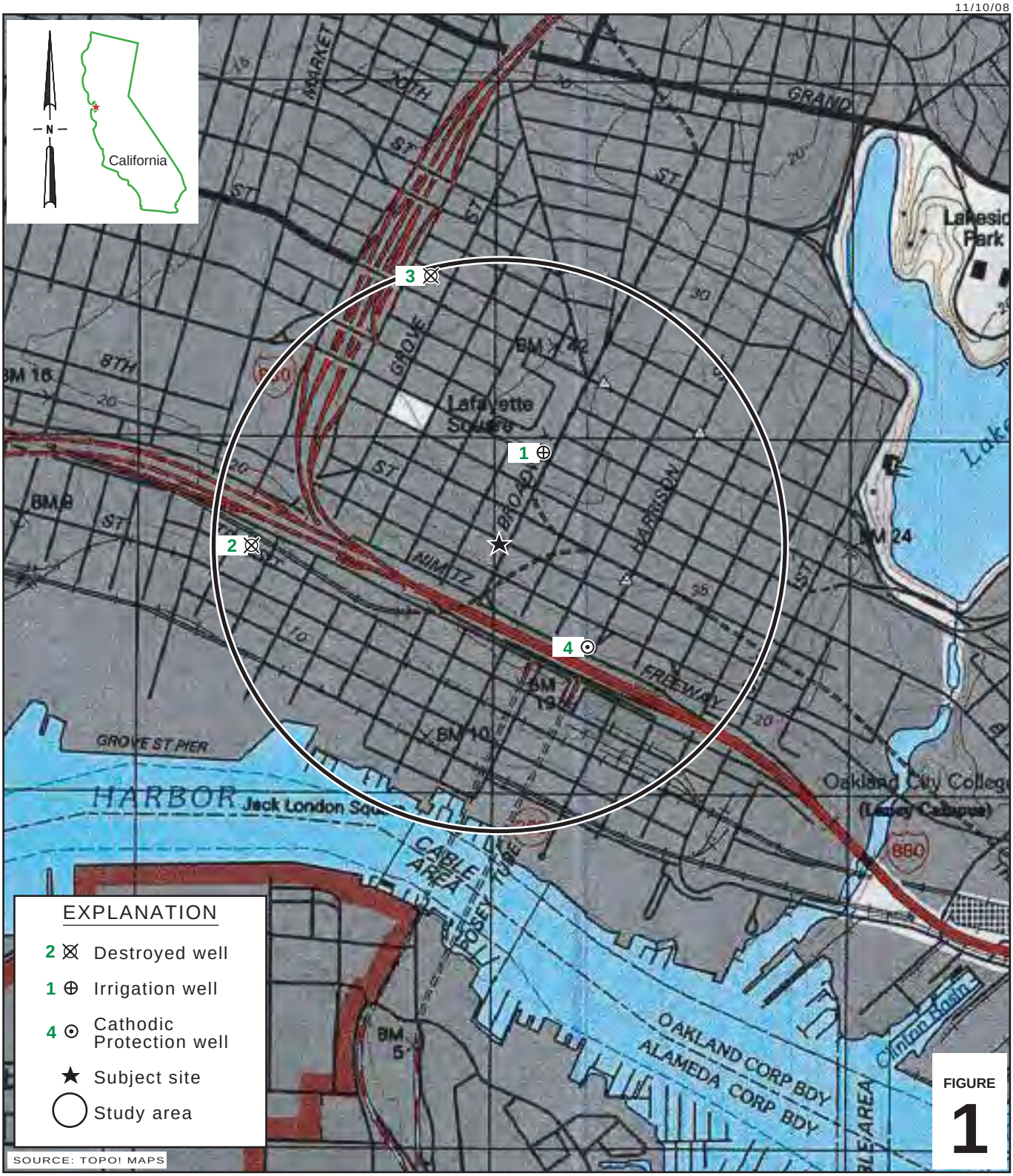


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FIGURE
1

0 1/8 1/4 1/2 1

SCALE (MILES)

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

10/19/210

Groundwater Contour and Chemical Concentration Map

August 31, 2010

EXPLANATION

- S-4 — Monitoring well location
- S-21B — Deeper monitoring well location (not used in contouring)
- OW-1 — Observation well location
- IP-1 — Injection point
- S-1 — Destroyed well location
- BART line tunnel
- Storm drain line (STM)
- Water line (W)
- Sanitary sewer line (SAN)
- Telecommunications line (T)
- Gas line (G)
- Electrical line (E)
- M.H. — Manhole
- C.B. — Catch basin
- FL = 16.50' — Flow line depth below ground surface
- x.xx — Groundwater flow direction and gradient
- xx.xx — Groundwater elevation contour, in feet above mean sea level (msl)
- Well designation
- ELEV — Groundwater elevation, in feet above msl
- TPHg / Benzene — TPHg and benzene concentrations are in micrograms per liter

Notes:
ND = Not detected
NS = Not sampled

S-10: 12.11 / ND / 0.69
S-23: 11.80 / 710 / 14
S-22A: 11.54 / 5,000 / 690
S-22B*: 11.73 / ND / 0.57
S-21A: 11.67 / 5,000 / 230
S-21B*: 11.72 / 500 / 0.81
S-8: 12.35 / ND / ND
S-12: 11.36 / ND / 0.56
S-14R: 11.83 / 130 / 5.8
S-19: 11.71 / 580 / 79
S-17: 11.58 / 1,900 / 120
S-13: 11.05 / 3,000 / 140
S-18: 11.48 / 6,600 / 970
S-20: 11.37 / 9,600 / 1,800
S-9: 11.42 / 760 / 130
S-5: 10.29 / 32,000 / 1,300
S-6: 9.78 / 19,000 / 4,700
S-4: 12.69 / NS

12.25
11.25
10.25

Former Shell Station
461 8th St.

Excavation Area

Aladdin Bail Bonds
458 7th St.

Bradford Pharmacy
445 8th St.

American Asian Home Care, Inc.
704 Broadway

705-721 Broadway

8TH STREET
7TH STREET
BROADWAY

Building
Parking
Driveway
Freight Elevator
B.A.R.T. Parking Lot

0 20 40 80
Scale (ft)

FIGURE
2

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

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APPENDIX A

BLAINE TECH SERVICES, INC. - GROUNDWATER MONITORING REPORT

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

September 23, 2010

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

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

Monitoring performed on June 22 and August 31, 2010

Groundwater Monitoring Report **100831-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. (mV)
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	02/14/1989	<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	05/01/1989	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	07/27/1989	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	10/05/1989	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	01/09/1990	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	04/30/1990	<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	07/31/1990	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	05/06/1991	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	06/27/1991	<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	09/24/1991	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	11/07/1991	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	02/13/1992	<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	05/11/1992	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA	NA	NA
S-4	12/03/1992	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA	NA	NA
S-4	05/13/1993	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	07/22/1993	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	01/25/1994	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	04/25/1994	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	07/21/1994	<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	04/20/1995	<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	10/04/1995	<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	01/03/1996	<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	04/11/1996	<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	07/11/1996	<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	10/02/1996	<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	01/22/1997	<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	07/21/1997	<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	01/22/1998	<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	07/08/1998	<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	01/28/1999	<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
S-4	04/23/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.43	4.34	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. (mV)
S-4	07/29/1999	<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	11/01/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	22.08	3.69	NA	NA	NA
S-4	01/07/2000	<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	04/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.11	4.66	NA	NA	NA
S-4	07/19/2000	<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	01/09/2001	<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	04/06/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.50	4.27	NA	NA	NA
S-4	07/25/2001	<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	11/01/2001	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	05/08/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.35	4.42	NA	NA	NA
S-4	07/18/2002	<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	01/02/2003	<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	04/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.08	13.33	NA	NA	NA
S-4	07/14/2003	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	01/22/2004	<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	04/19/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	19.15	15.26	NA	NA	NA
S-4	07/13/2004	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	01/17/2005	<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	04/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	19.82	14.59	NA	NA	NA
S-4	07/28/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	20.71	13.70	NA	NA	NA
S-4	10/05/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	20.85	13.56	NA	NA	NA
S-4	02/09/2006	<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	05/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	19.52	14.89	NA	NA	NA
S-4	08/23/2006	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	01/30/2007	<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	05/29/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.15	13.26	NA	NA	NA
S-4	08/15/2007	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	02/08/2008	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
S-4	05/08/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	22.18	12.23	NA	NA	NA
S-4	08/14/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.77	12.64	NA	NA	NA

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/V)
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	01/05/2009	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	04/09/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.10	13.31	NA	NA	NA
S-4	07/23/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.76	12.65	NA	NA	NA
S-4	10/01/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	22.10	12.31	NA	NA	NA
S-4	01/28/2010	<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	05/20/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.44	12.97	NA	NA	NA
S-4	**08/31/2010**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.41**	**21.72**	**12.69**	**NA**	**NA**	**NA**
S-5	04/16/1987	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	02/14/1989	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	05/01/1989	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	07/27/1989	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	10/05/1989	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	01/09/1990	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	04/30/1990	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	07/31/1990	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	05/06/1991	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	06/27/1991	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	09/24/1991	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	11/07/1991	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	02/13/1992	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	05/11/1992	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	12/03/1992	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	NA	NA	NA	NA	NA
S-5	05/13/1993	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	07/22/1993	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	01/25/1994	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	04/25/1994	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	05/26/1994	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	06/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.01	78.61	0.32	NA	NA
S-5	07/21/1994	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	08/25/1994	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	09/22/1994	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

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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. (mV)
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	04/20/1995	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	10/04/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	22.18	0.76	NA	NA	NA
S-5	01/03/1996	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	04/11/1996	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	07/11/1996	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	10/02/1996	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	01/22/1997	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	07/21/1997	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	01/22/1998	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	07/08/1998	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	01/28/1999	51000	13000	1200	1200	2400	2400	NA	NA	NA	NA	NA	NA	NA	22.94	20.11	2.83	NA	NA	NA
S-5	04/23/1999	65600	2540	7300	1790	9840	<1000	NA	NA	NA	NA	NA	NA	NA	22.94	19.21	3.73	NA	NA	NA
S-5	07/29/1999	61400	3320	6980	1520	7700	<1000	NA	NA	NA	NA	NA	NA	NA	22.94	14.77	8.17	NA	NA	NA
S-5	11/01/1999	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	01/07/2000	39000	3900	8500	790	8300	1500	NA	NA	NA	NA	NA	NA	NA	22.94	15.82	7.12	NA	NA	NA
S-5	04/11/2000	29300	1680	5060	1130	6220	<250	NA	NA	NA	NA	NA	NA	NA	22.94	18.19	4.75	NA	NA	NA
S-5	07/19/2000	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	01/09/2001	142000	7030	9550	2340	12600	779	NA	NA	NA	NA	NA	NA	NA	22.94	19.94	3.00	NA	NA	NA
S-5	04/06/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	NA	NA	NA	NA	NA
S-5	04/13/2001	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	07/25/2001	71000	2900	6800	1700	9100	NA	<250	NA	NA	NA	NA	NA	NA	22.94	14.91	8.03	NA	NA	NA
S-5	08/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	19.43	3.51	NA	NA	NA
S-5	11/01/2001	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	07/18/2002	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	01/02/2003	26000	680	1500	780	3800	NA	<5.0	NA	NA	NA	NA	NA	NA	27.36	14.72	12.64	NA	NA	NA
S-5	04/15/2003	3600	29	38	65	370	NA	<5.0	NA	NA	NA	NA	NA	NA	e	14.45	NA	NA	NA	NA
S-5	07/14/2003	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	01/22/2004	29000	200	210	710	2400	NA	<13	NA	NA	NA	NA	NA	NA	e	14.08	NA	NA	NA	NA
S-5	04/19/2004	25000	490	460	750	2400	NA	19	NA	NA	NA	NA	NA	NA	e	13.43	NA	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. (mV)
S-5	07/13/2004	28000	300	280	690	2400	NA	<13	NA	NA	NA	NA	NA	NA	e	14.88	NA	NA	NA	NA
S-5	08/14/2008	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	01/05/2009	57000	2300	1400	1500	2900	NA	<10	NA	NA	NA	NA	<5.0	<10	e	16.71	NA	NA	NA	NA
S-5	04/09/2009	52000	2100	3500	1900	5400	NA	<20	NA	NA	NA	NA	<10	<20	e	16.31	NA	NA	0.3	163
S-5	07/23/2009	37000	1800	1900	1400	3800	NA	NA	NA	NA	NA	NA	NA	NA	e	16.62	NA	NA	1.48	-84
S-5	10/01/2009	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	01/28/2010	35000	1200	1900	1500	3600	NA	NA	NA	NA	NA	NA	NA	NA	27.24	16.35	10.89	NA	NA	NA
S-5	05/20/2010	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	**08/31/2010**	**32000**	**1300**	**1100**	**1600**	**3400**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**27.24**	**16.95**	**10.29**	**NA**	**0.58**	**-102**
S-6	04/16/1987	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	02/14/1989	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	05/01/1989	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	07/27/1989	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	10/05/1989	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	01/09/1990	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	04/30/1990	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	07/31/1990	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	05/06/1991	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	06/27/1991	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	09/24/1991	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	11/07/1991	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	02/13/1992	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	05/11/1992	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	12/03/1992	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	05/13/1993	58000	21000	6800	2500	9800	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.16	78.42	NA	NA	NA
S-6	07/22/1993	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	01/25/1994	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	04/25/1994	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	07/21/1994	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)	07/21/1994	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

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. (mV)
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	04/20/1995	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)	04/20/1995	49000	13000	3500	1800	4700	NA	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	10/04/1995	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)	10/04/1995	41000	8400	4100	1400	4400	NA	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	01/03/1996	52000	9100	7100	1800	5800	NA	NA	NA	NA	NA	NA	NA	NA	22.08	21.70	0.38	NA	NA	NA
S-6	04/11/1996	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)	04/11/1996	59000	11000	6800	1900	6400	<500	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	07/11/1996	72000	18000	6600	2500	8400	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	21.65	2.78	NA	NA	NA
S-6	10/02/1996	57000	11000	6500	1500	5100	<500	NA	NA	NA	NA	NA	NA	NA	22.08	21.80	2.63	NA	NA	NA
S-6	01/22/1997	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)	01/22/1997	63000	15000	4800	1800	5200	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	07/21/1997	61000	15000	2100	1100	3500	1900	NA	NA	NA	NA	NA	NA	NA	22.08	20.61	1.47	NA	NA	NA
S-6	01/22/1998	46000	14000	3200	1300	3400	<500	NA	NA	NA	NA	NA	NA	NA	22.08	19.82	2.26	NA	NA	NA
S-6	07/08/1998	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	01/28/1999	120000	9000	14000	2700	14000	3700	NA	NA	NA	NA	NA	NA	NA	22.08	19.73	2.35	NA	NA	NA
S-6	04/23/1999	58500	15900	1360	1640	3030	<2500	NA	NA	NA	NA	NA	NA	NA	22.08	17.58	4.50	NA	NA	NA
S-6	07/29/1999	36200	10300	760	930	1360	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	21.35	0.73	NA	NA	NA
S-6	11/01/1999	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	01/07/2000	36000	7600	4600	840	3600	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	19.53	2.55	NA	NA	NA
S-6	04/11/2000	14600	7540	205	306	609	621	NA	NA	NA	NA	NA	NA	NA	22.08	18.16	3.92	NA	NA	NA
S-6	07/19/2000	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	01/09/2001	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	02/05/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.08	19.20	2.88	NA	NA	NA
S-6	04/06/2001	16900	7800	343	172	966	809	<20.0	NA	NA	NA	NA	NA	NA	22.08	18.25	3.83	NA	NA	NA
S-6	07/25/2001	29000	9800	1700	1000	1800	NA	<250	NA	NA	NA	NA	NA	NA	22.08	18.27	3.81	NA	NA	NA
S-6	11/01/2001	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	05/08/2002	72000	21000	4400	2200	5300	NA	<1000	NA	NA	NA	NA	NA	NA	22.08	18.30	3.78	NA	NA	NA
S-6	07/18/2002	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	01/02/2003	75000	21000	5000	2400	6400	NA	<50	NA	NA	NA	NA	NA	NA	30.56	18.60	11.96	NA	NA	NA
S-6	04/15/2003	64000	29000	6400	2700	5600	NA	<1000	NA	NA	NA	NA	NA	NA	30.56	18.27	12.29	NA	NA	NA

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. (mV)
S-6	07/14/2003	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	01/22/2004	41000	21000	4300	1800	4000	NA	<130	NA	NA	NA	NA	NA	NA	30.56	18.18	12.38	f	NA	NA
S-6	04/19/2004	58000	23000	4200	2200	3900	NA	<130	NA	NA	NA	NA	NA	NA	30.56	17.32	13.24	NA	NA	NA
S-6	05/03/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.56	17.30	13.26	NA	NA	NA
S-6	06/17/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.56	17.70	12.86	NA	NA	NA
S-6	07/13/2004	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	01/17/2005	61000	21000	3500	1600	3200	NA	<130	NA	NA	NA	NA	NA	NA	30.56	17.52	13.04	NA	NA	NA
S-6	04/14/2005	36000	12000	6200	850	4800	NA	<50	NA	NA	NA	NA	NA	NA	30.56	22.49	8.07	NA	NA	NA
S-6	07/28/2005	54000	16000	9100	1800	5900	NA	<130	NA	NA	NA	NA	NA	NA	30.56	19.38	11.18	NA	NA	NA
S-6	10/05/2005	59000	14000	7500	1400	5000	NA	<50	NA	NA	NA	NA	NA	NA	30.56	18.32	12.24	NA	NA	NA
S-6	02/09/2006	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	05/15/2006	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	08/23/2006	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	01/30/2007	88000	18000	9600	1900	7200	NA	<100	NA	NA	NA	NA	NA	NA	30.56	20.47	10.09	NA	NA	NA
S-6	05/29/2007	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	08/15/2007	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	02/08/2008	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	05/08/2008	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	08/14/2008	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	01/05/2009	53000	9400	3600	890	3100	NA	<100	NA	NA	NA	NA	<50	<100	30.56	21.66	8.90	NA	NA	NA
S-6	04/09/2009	Unable to sample		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.56	NA	NA	NA	NA	NA
S-6	04/21/2009	13000	3700	1100	270	750	NA	<100	NA	NA	NA	NA	<50	<100	30.56	20.20	10.36	NA	NA	NA
S-6	07/23/2009	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	10/01/2009	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	01/28/2010	8700	2600	250	200	400	NA	NA	NA	NA	NA	NA	NA	NA	30.56	20.36	10.20	NA	NA	NA
S-6	05/20/2010	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	**08/31/2010**	**19000**	**4700**	**1300**	**560**	**1600**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**30.56**	**20.78**	**9.78**	**NA**	**1.55**	**-88**
S-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	04/20/1995	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	10/04/1995	830	210	38	11	42	NA	NA	NA	NA	NA	NA	NA	NA	27.21	24.48	2.73	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. (mV)
S-8	01/03/1996	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)	01/03/1996	340	54	12	2.4	12	NA	NA	NA	NA	NA	NA	NA	NA	27.21	NA	NA	NA	NA	NA
S-8	04/11/1996	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	07/11/1996	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	10/02/1996	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)	10/02/1996	490	110	24	7.0	45	22	<2.0	NA	NA	NA	NA	NA	NA	27.21	NA	NA	NA	NA	NA
S-8	01/22/1997	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	07/21/1997	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)	07/21/1997	3200	420	120	32	300	130	NA	NA	NA	NA	NA	NA	NA	27.21	NA	NA	NA	NA	NA
S-8	01/22/1998	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)	01/22/1998	3500	780	120	33	300	160	NA	NA	NA	NA	NA	NA	NA	27.21	NA	NA	NA	NA	NA
S-8	07/08/1998	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)	07/08/1998	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	01/28/1999	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	04/23/1999	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	07/29/1999	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	11/01/1999	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	01/07/2000	1300	600	11	29	48	<13	NA	NA	NA	NA	NA	NA	NA	27.21	22.87	4.34	NA	NA	NA
S-8	04/11/2000	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	07/19/2000	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	01/09/2001	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	04/06/2001	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	07/25/2001	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	11/01/2001	1900	250	28	39	180	NA	<5.0	NA	NA	NA	NA	NA	NA	27.21	22.44	4.77	NA	NA	NA
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	07/18/2002	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	01/02/2003	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	04/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	21.73	14.12	NA	NA	NA
S-8	07/14/2003	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	01/22/2004	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	04/19/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	20.83	15.02	NA	NA	NA
S-8	07/13/2004	420	77	0.82	14	31	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	21.05	14.80	NA	NA	NA

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. (mV)
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	01/17/2005	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	04/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	21.57	14.28	NA	NA	NA
S-8	07/28/2005	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	10/05/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	21.11	14.74	NA	NA	NA
S-8	02/09/2006	<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	05/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	20.53	15.32	NA	NA	NA
S-8	08/23/2006	<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	01/30/2007	<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	05/29/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	22.65	13.20	NA	NA	NA
S-8	08/15/2007	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	02/08/2008	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	05/08/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	22.91	12.94	NA	NA	NA
S-8	08/14/2008	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	01/05/2009	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	01/15/2009	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	02/12/2009	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	03/12/2009	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	04/09/2009	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	07/23/2009	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
S-8	10/01/2009	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	01/28/2010	<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	05/20/2010	<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	**08/31/2010**	**<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-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	04/20/1995	1900	400	130	51	200	NA	NA	NA	NA	NA	NA	NA	NA	26.06	23.49	2.57	NA	NA	NA
S-9	10/04/1995	3200	590	260	68	280	NA	NA	NA	NA	NA	NA	NA	NA	26.06	24.01	2.05	NA	NA	NA
S-9	01/03/1996	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA	NA	NA
S-9	04/11/1996	2100	440	1500	42	210	<25	NA	NA	NA	NA	NA	NA	NA	26.06	23.61	2.45	NA	NA	NA
S-9	07/11/1996	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)	07/11/1996	4800	890	430	110	500	<50	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	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/V)
S-9	10/02/1996	3000	680	220	56	270	<62	NA	NA	NA	NA	NA	NA	NA	26.06	24.31	1.75	NA	NA	NA
S-9	01/22/1997	1500	230	71	36	130	<12	NA	NA	NA	NA	NA	NA	NA	26.06	23.08	2.98	NA	NA	NA
S-9	07/21/1997	3400	590	57	19	210	96	NA	NA	NA	NA	NA	NA	NA	26.06	22.83	3.23	NA	NA	NA
S-9	01/22/1998	2600	300	46	<10	270	62	NA	NA	NA	NA	NA	NA	NA	26.06	21.96	4.10	NA	NA	NA
S-9	07/08/1998	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	01/28/1999	<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	04/23/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.41	4.65	NA	NA	NA
S-9	07/29/1999	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	11/01/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.92	4.14	NA	NA	NA
S-9	01/07/2000	<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	04/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.14	4.92	NA	NA	NA
S-9	07/19/2000	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	01/09/2001	<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	04/06/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	23.61	2.45	NA	NA	NA
S-9	07/25/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA	NA	NA
S-9	08/13/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA	NA	NA
S-9	11/01/2001	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	05/08/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	20.56	5.50	NA	NA	NA
S-9	07/18/2002	<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
S-9	01/02/2003	<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	04/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.14	13.56	NA	NA	NA
S-9	07/14/2003	<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	01/22/2004	<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	04/19/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	20.06	14.64	NA	NA	NA
S-9	07/13/2004	<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	01/17/2005	<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	04/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.85	12.85	NA	NA	NA
S-9	07/28/2005	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	10/05/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	20.63	14.07	NA	NA	NA
S-9	02/09/2006	<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	05/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	20.28	14.42	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/V)
S-9	08/23/2006	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	01/30/2007	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	05/29/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	22.22	12.48	NA	NA	NA
S-9	08/15/2007	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	02/08/2008	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	05/08/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	22.49	12.21	NA	NA	NA
S-9	08/14/2008	<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	01/05/2009	1000	230	24	45	64	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.75	11.59	NA	NA	NA
S-9	01/15/2009	2100	560	75	100	245	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.37	11.97	NA	NA	NA
S-9	02/12/2009	500	120	19	26	50	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.61	11.73	NA	NA	NA
S-9	03/12/2009	810	200	30	50	110	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.22	12.12	NA	NA	NA
S-9	04/09/2009	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	05/18/2009	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	07/23/2009	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	10/01/2009	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	11/09/2009	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	12/01/2009	1100	110	11	26	59	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.44	11.90	NA	1.09	133
S-9	01/28/2010	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	05/20/2010	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	**06/22/2010**	**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	**08/31/2010**	**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-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	04/20/1995	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	10/04/1995	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	01/03/1996	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	04/11/1996	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	07/11/1996	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	10/02/1996	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	01/22/1997	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	07/21/1997	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	01/22/1998	1500	15	<5.0	88	130	<25	NA	NA	NA	NA	NA	NA	NA	28.04	24.44	3.60	NA	NA	NA

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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. (mV)
S-10	07/08/1998	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	01/28/1999	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	04/23/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	22.96	5.08	NA	NA	NA
S-10	07/29/1999	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	11/01/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	23.02	5.02	NA	NA	NA
S-10	01/07/2000	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	04/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	22.64	5.40	NA	NA	NA
S-10	07/19/2000	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	01/09/2001	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	04/06/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	25.37	2.67	NA	NA	NA
S-10	07/25/2001	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	11/01/2001	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	05/08/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	22.35	5.69	NA	NA	NA
S-10	07/18/2002	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	01/02/2003	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	04/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.32	14.03	NA	NA	NA
S-10	07/14/2003	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	01/22/2004	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	04/19/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	21.43	14.92	NA	NA	NA
S-10	07/13/2004	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	01/17/2005	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	04/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.18	14.17	NA	NA	NA
S-10	07/28/2005	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	10/05/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	21.70	14.65	NA	NA	NA
S-10	02/09/2006	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	05/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	21.31	15.04	NA	NA	NA
S-10	08/23/2006	<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	01/30/2007	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	05/29/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.20	13.15	NA	NA	NA
S-10	08/15/2007	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

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. (mV)
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	02/08/2008	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	05/08/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.55	12.80	NA	NA	NA
S-10	08/14/2008	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	01/05/2009	<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	01/15/2009	<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	02/12/2009	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	03/12/2009	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	04/09/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.26	13.09	NA	NA	NA
S-10	07/23/2009	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	10/01/2009	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	01/28/2010	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	05/20/2010	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	**08/31/2010**	**<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-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
S-12	02/08/2008	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	05/08/2008	<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	08/14/2008	<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	01/05/2009	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	01/15/2009	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	02/12/2009	<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	03/12/2009	<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	04/09/2009	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	07/23/2009	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	10/01/2009	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	01/28/2010	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	05/20/2010	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	**08/31/2010**	**<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-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	02/08/2008	14000 h	1900	1300	280	3000	NA	<10	NA	NA	NA	NA	<5.0	<10	35.16	23.01	12.15	NA	NA	NA

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/V)
S-13	05/08/2008	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	08/14/2008	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	01/05/2009	8200	700	670	67	1000	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.54	11.51	NA	NA	NA
S-13	01/15/2009	5400	610	610	48	950	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.10	11.95	NA	NA	NA
S-13	02/12/2009	6300	800	1000	110	870	NA	NA	NA	NA	NA	NA	NA	NA	35.05	22.36	12.69	NA	NA	NA
S-13	03/12/2009	14000	1700	2300	190	2400	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.20	11.85	NA	NA	NA
S-13	04/09/2009	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	05/18/2009	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	07/23/2009	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	10/01/2009	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	11/09/2009	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	12/01/2009	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	01/28/2010	5900	370	930	100	680	NA	NA	NA	NA	NA	NA	NA	NA	35.05	22.94	12.11	NA	2.18	NA
S-13	05/20/2010	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	**06/22/2010**	**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	**08/31/2010**	**3000**	**140**	**490**	**83**	**540**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.05**	**24.00**	**11.05**	**NA**	**0.90**	**400**
S-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	02/08/2008	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	05/08/2008	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	11/07/2008	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	01/05/2009	2100	89	86	19	140	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.80	12.15	NA	NA	NA
S-14R	01/15/2009	4800	430	540	83	730	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.57	12.38	NA	NA	NA
S-14R	02/12/2009	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	03/12/2009	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	04/09/2009	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	05/18/2009	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	07/23/2009	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	10/01/2009	230	12	10	5.3	23	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.90	12.05	NA	2.22	201

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S-14R	11/09/2009	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	12/01/2009	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	01/28/2010	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	05/20/2010	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	**08/31/2010**	**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-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	02/08/2008	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	05/08/2008	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	02/08/2008	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
S-16	05/08/2008	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	06/19/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.49	23.30	12.19	NA	NA	NA
S-17	06/25/2008	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	08/14/2008	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	01/05/2009	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	01/15/2009	2300	220	170	19	300	NA	NA	NA	NA	NA	NA	NA	NA	35.50	23.37	12.13	NA	NA	NA
S-17	02/12/2009	4700	750	200	37	23	NA	NA	NA	NA	NA	NA	NA	NA	35.50	23.66	11.84	NA	NA	NA
S-17	03/12/2009	3300	640	370	81	290	NA	NA	NA	NA	NA	NA	NA	NA	35.50	23.24	12.26	NA	NA	NA
S-17	04/09/2009	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	05/18/2009	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	07/23/2009	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	10/01/2009	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	11/09/2009	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	12/01/2009	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	01/28/2010	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	05/20/2010	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	**08/31/2010**	**1900**	**120**	**110**	**52**	**260**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.50**	**23.92**	**11.58**	**NA**	**1.32**	**370**
S-18	06/19/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.04	22.94	12.10	NA	NA	NA
S-18	06/25/2008	58000	2200	5600	880	10200	NA	<10	NA	NA	NA	NA	<5.0	<10	35.04	22.92	12.12	NA	NA	NA

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. (mV)
S-18	08/14/2008	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	01/05/2009	20000	830	1000	290	1400	NA	<50	NA	NA	NA	NA	<25	<50	35.03	23.16	11.87	NA	NA	NA
S-18	01/15/2009	8200	690	790	150	1230	NA	NA	NA	NA	NA	NA	NA	NA	35.03	22.97	12.06	NA	NA	NA
S-18	02/12/2009	13000	1200	1400	330	940	NA	NA	NA	NA	NA	NA	NA	NA	35.03	23.29	11.74	NA	NA	NA
S-18	03/12/2009	52000	5300	9000	1600	10000	NA	NA	NA	NA	NA	NA	NA	NA	35.03	22.85	12.18	NA	NA	NA
S-18	04/09/2009	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.03	22.79	12.24	NA	NA	NA
S-18	05/18/2009	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	07/23/2009	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	10/01/2009	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
S-18	11/09/2009	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	12/01/2009	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	01/28/2010	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	05/20/2010	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	**06/22/2010**	**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	**08/31/2010**	**6600**	**970**	**1100**	**230**	**1000**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.03**	**23.55**	**11.48**	**NA**	**1.23**	**258**
S-19	11/07/2008	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	01/05/2009	3400	230	250	50	380	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.56	12.01	NA	NA	NA
S-19	01/15/2009	3100	340	540	70	440	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.31	12.26	NA	NA	NA
S-19	02/12/2009	1300	130	180	37	190	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.58	11.99	NA	NA	NA
S-19	03/12/2009	880	110	150	30	160	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.44	12.13	NA	NA	NA
S-19	04/09/2009	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	05/18/2009	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	07/23/2009	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	10/01/2009	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	11/09/2009	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	12/01/2009	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	01/28/2010	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	05/20/2010	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	**08/31/2010**	**580**	**79**	**92**	**22**	**50**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.57**	**22.86**	**11.71**	**NA**	**1.02**	**297**
S-20	11/07/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.80	11.70	NA	NA	NA

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. (mV)
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	01/05/2009	17000	1500	1700	320	1900	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.78	11.72	NA	NA	NA
S-20	02/12/2009	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	03/12/2009	19000	2700	3200	390	3100	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.40	12.10	NA	NA	NA
S-20	04/09/2009	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	05/18/2009	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	07/23/2009	41000	4900	2900	990	7300	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.73	11.77	NA	0.27	419
S-20	10/01/2009	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	11/09/2009	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	12/01/2009	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	01/28/2010	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	05/20/2010	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	**06/22/2010**	**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	**08/31/2010**	**9600**	**1800**	**1400**	**230**	**580**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.50**	**23.13**	**11.37**	**NA**	**0.94**	**529**
S-21A	11/07/2008	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	01/05/2009	28000	3100	2900	450	1100	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.78	12.02	NA	NA	NA
S-21A	01/15/2009	9700	2100	290	45	<25	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.53	12.27	NA	NA	NA
S-21A	02/12/2009	19000	3100	2500	330	500	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.83	11.97	NA	NA	NA
S-21A	03/12/2009	31000	2600	3800	810	3700	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.35	12.45	NA	NA	NA
S-21A	04/09/2009	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	05/18/2009	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	07/23/2009	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	10/01/2009	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	11/09/2009	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	12/01/2009	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	01/28/2010	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	05/20/2010	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	**06/22/2010**	**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	**08/31/2010**	**5000**	**230**	**420**	**190**	**990**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.80**	**24.13**	**11.67**	**NA**	**0.73**	**392**
S-21B	11/07/2008	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

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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/V)
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	01/05/2009	5400	35	200	93	600	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.70	12.06	NA	NA	NA
S-21B	01/15/2009	3300	30	150	78	470	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.43	12.33	NA	NA	NA
S-21B	02/12/2009	2800	12	100	69	450	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.81	11.95	NA	NA	NA
S-21B	03/12/2009	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	04/09/2009	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	05/18/2009	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	06/17/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.40	12.36	NA	NA	NA
S-21B	07/23/2009	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	10/01/2009	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	01/28/2010	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	05/20/2010	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	**08/31/2010**	**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-22A	11/07/2008	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	01/05/2009	56000	4500	5300	1200	6400	NA	NA	NA	NA	NA	NA	NA	NA	35.06	23.03	12.03	NA	NA	NA
S-22A	01/15/2009	25000	5900	4400	740	1570	NA	NA	NA	NA	NA	NA	NA	NA	35.06	22.84	12.22	NA	NA	NA
S-22A	02/12/2009	43000	6700	6600	1200	5000	NA	NA	NA	NA	NA	NA	NA	NA	35.06	23.15	11.91	NA	NA	NA
S-22A	03/12/2009	35000	4600	4600	980	4600	NA	NA	NA	NA	NA	NA	NA	NA	35.06	22.65	12.41	NA	NA	NA
S-22A	04/09/2009	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	05/18/2009	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	07/23/2009	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	10/01/2009	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	11/09/2009	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	12/01/2009	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	01/28/2010	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	05/20/2010	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	**06/22/2010**	**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	**08/31/2010**	**5000**	**690**	**600**	**78**	**350**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.06**	**23.52**	**11.54**	**NA**	**1.03**	**553**
S-22B	11/07/2008	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

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. (mV)
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	01/05/2009	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
S-22B	01/15/2009	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	02/12/2009	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	03/12/2009	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	04/09/2009	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	05/18/2009	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	07/23/2009	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	10/01/2009	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	01/28/2010	<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	05/20/2010	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	**08/31/2010**	**<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-23	11/07/2008	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	01/05/2009	830	63	98	14	58	NA	NA	NA	NA	NA	NA	NA	NA	35.75	23.51	12.24	NA	NA	NA
S-23	02/12/2009	3400	160	320	55	430	NA	NA	NA	NA	NA	NA	NA	NA	35.75	23.62	12.13	NA	NA	NA
S-23	03/12/2009	4600	210	460	71	610	NA	NA	NA	NA	NA	NA	NA	NA	35.75	23.03	12.72	NA	NA	NA
S-23	04/09/2009	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	05/18/2009	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	07/23/2009	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	10/01/2009	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	11/09/2009	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	12/01/2009	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	01/28/2010	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	05/20/2010	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	**06/22/2010**	**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	**08/31/2010**	**710**	**14**	**45**	**34**	**110**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.75**	**23.95**	**11.80**	**NA**	**1.25**	**322**
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	02/08/2008	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	05/08/2008	<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	04/09/2009	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
OW-1	05/18/2009	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/V)

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
m/V = Microvolts
<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. (mV)

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-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
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

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	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	740	7.5	178	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-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
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

WELL CONCENTRATIONS - TABLE 2
Former Shell Service Station
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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	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	5200	NA	NA	NA	NA	NA
S-18	11/09/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2100	NA	NA	NA	NA	NA
S-18	12/01/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1300	NA	NA	NA	NA	NA
S-18	01/28/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	810	NA	NA	NA	NA	NA
S-18	05/20/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1100	NA	NA	NA	NA	NA
S-18	**06/22/2010**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**820**	**NA**	**NA**	**NA**	**NA**	**NA**
S-18	**08/31/2010**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**4400**	**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-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	85800	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

WELL CONCENTRATIONS - TABLE 2
Former Shell Service Station
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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	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-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
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**

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	**08/31/2010**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**22000**	**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**

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.

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)

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.

Calscience
Environmental
Laboratories, Inc.

July 06, 2010

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

Subject: **Calscience Work Order No.:** **10-06-1929**
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 6/24/2010 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. 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,

Jessi Lee for

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 06/24/10
Work Order No: 10-06-1929
Preparation: N/A
Method: EPA 300.0

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-9	10-06-1929-1-D	06/22/10 10:15	Aqueous	IC 7	N/A	06/24/10 16:36	100624L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	39	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	10-06-1929-2-D	06/22/10 09:40	Aqueous	IC 7	N/A	06/24/10 16:52	100624L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	6500	100	100		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-18	10-06-1929-3-D	06/22/10 11:00	Aqueous	IC 7	N/A	06/24/10 17:07	100624L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	820	20	20		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20	10-06-1929-4-D	06/22/10 11:20	Aqueous	IC 7	N/A	06/24/10 17:23	100624L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	4300	50	50		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21A	10-06-1929-5-D	06/22/10 11:45	Aqueous	IC 7	N/A	06/24/10 17:38	100624L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	6400	200	200		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22A	10-06-1929-6-D	06/22/10 10:30	Aqueous	IC 7	N/A	06/24/10 17:53	100624L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	19000	200	200		mg/L

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 06/24/10
Work Order No: 10-06-1929
Preparation: N/A
Method: EPA 300.0

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-23	10-06-1929-7-D	06/22/10 10:05	Aqueous	IC 7	N/A	06/24/10 18:09	100624L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	4000	100	100		mg/L

Method Blank	099-12-906-1,096	N/A	Aqueous	IC 7	N/A	06/24/10 10:03	100624L01

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

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received: 06/24/10
1680 Rogers Avenue	Work Order No: 10-06-1929
San Jose, CA 95112-1105	Preparation: EPA 5030B
	Method: LUFT GC/MS / EPA 8260B
	Units: ug/L

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-9	10-06-1929-1-A	06/22/10 10:15	Aqueous	GC/MS RR	06/25/10	06/26/10 07:54	100625L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	240	1.0	2		Xylenes (total)	130	2.0	2	
Ethylbenzene	65	2.0	2		TPPH	1400	100	2	
Toluene	30	2.0	2						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	99	80-126			1,2-Dichloroethane-d4	96	80-131		
Toluene-d8	99	80-120			Toluene-d8-TPPH	99	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-13	10-06-1929-2-B	06/22/10 09:40	Aqueous	GC/MS RR	06/26/10	06/26/10 14:59	100626L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	570	5.0	10		Xylenes (total)	2000	10	10	
Ethylbenzene	260	10	10		TPPH	16000	500	10	
Toluene	3000	50	50						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	102	80-126			1,2-Dichloroethane-d4	102	80-131		
Toluene-d8	100	80-120			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	100	80-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-18	10-06-1929-3-A	06/22/10 11:00	Aqueous	GC/MS RR	06/25/10	06/26/10 08:47	100625L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	1700	12	25		Xylenes (total)	1000	5.0	5	
Ethylbenzene	200	5.0	5		TPPH	13000	250	5	
Toluene	2800	25	25						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	97	80-126			1,2-Dichloroethane-d4	97	80-131		
Toluene-d8	99	80-120			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	98	80-120							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	06/24/10
1680 Rogers Avenue	Work Order No:	10-06-1929
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/L

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20	10-06-1929-4-A	06/22/10 11:20	Aqueous	GC/MS RR	06/26/10	06/26/10 16:19	100626L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	1300	5.0	10		Xylenes (total)	550	10	10	
Ethylbenzene	120	10	10		TPPH	7100	500	10	
Toluene	550	10	10						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	80-126			1,2-Dichloroethane-d4	97	80-131		
Toluene-d8	99	80-120			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	98	80-120							

S-21A	10-06-1929-5-A	06/22/10 11:45	Aqueous	GC/MS RR	06/26/10	06/26/10 16:45	100626L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	690	2.5	5		Xylenes (total)	2300	5.0	5	
Ethylbenzene	370	5.0	5		TPPH	16000	250	5	
Toluene	2000	20	20						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	99	80-126			1,2-Dichloroethane-d4	97	80-131		
Toluene-d8	100	80-120			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	98	80-120							

S-22A	10-06-1929-6-B	06/22/10 10:30	Aqueous	GC/MS RR	06/28/10	06/28/10 18:02	100628L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	110	0.50	1		Xylenes (total)	6.6	1.0	1	
Ethylbenzene	4.3	1.0	1		TPPH	2400	50	1	
Toluene	15	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	80-126			1,2-Dichloroethane-d4	98	80-131		
Toluene-d8	100	80-120			Toluene-d8-TPPH	100	88-112		
1,4-Bromofluorobenzene	99	80-120							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	06/24/10
1680 Rogers Avenue		Work Order No:	10-06-1929
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	ug/L
Project: 461 8th Street , Oakland, CA			Page 3 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-23	10-06-1929-7-B	06/22/10 10:05	Aqueous	GC/MS RR	06/28/10	06/28/10 18:28	100628L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	11	0.50	1		Xylenes (total)	11	1.0	1	
Ethylbenzene	9.0	1.0	1		TPPH	640	50	1	
Toluene	22	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	104	80-126			1,2-Dichloroethane-d4	103	80-131		
Toluene-d8	100	80-120			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	99	80-120							

Method Blank	099-12-767-4,157	N/A	Aqueous	GC/MS RR	06/25/10	06/26/10 01:45	100625L02

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						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	99	80-126			1,2-Dichloroethane-d4	100	80-131		
Toluene-d8	99	80-120			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	98	80-120							

Method Blank	099-12-767-4,159	N/A	Aqueous	GC/MS RR	06/26/10	06/26/10 13:14	100626L01

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						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	98	80-126			1,2-Dichloroethane-d4	97	80-131		
Toluene-d8	99	80-120			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	99	80-120							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 06/24/10
Work Order No: 10-06-1929
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-4,167	N/A	Aqueous	GC/MS RR	06/28/10	06/28/10 15:50	100628L01

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						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	80-126		1,2-Dichloroethane-d4	97	80-131	
Toluene-d8	100	80-120		Toluene-d8-TPPH	100	88-112	
1,4-Bromofluorobenzene	97	80-120					

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.	Date Received: 06/24/10
1680 Rogers Avenue	Work Order No: 10-06-1929
San Jose, CA 95112-1105	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
10-06-1888-4	Aqueous	IC 7	N/A	06/24/10	100624S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Sulfate	95	95	80-120	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 06/24/10
Work Order No: 10-06-1929
Preparation: EPA 5030B
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
10-06-1914-1	Aqueous	GC/MS RR	06/25/10	06/26/10	100625S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	93	94	80-120	1	0-20	
Carbon Tetrachloride	86	89	55-151	4	0-20	
Chlorobenzene	90	91	80-120	2	0-20	
1,2-Dibromoethane	87	91	77-125	4	0-20	
1,2-Dichlorobenzene	87	89	78-120	2	0-20	
1,2-Dichloroethane	94	96	80-120	3	0-20	
1,1-Dichloroethene	92	95	69-129	3	0-20	
Ethylbenzene	90	91	73-127	2	0-20	
Toluene	94	95	80-120	2	0-20	
Trichloroethene	94	94	67-133	0	0-20	
Vinyl Chloride	86	83	67-133	3	0-20	
Methyl-t-Butyl Ether (MTBE)	82	88	65-131	6	0-22	
Tert-Butyl Alcohol (TBA)	96	95	62-134	2	0-20	
Diisopropyl Ether (DIPE)	92	94	64-136	3	0-29	
Ethyl-t-Butyl Ether (ETBE)	87	91	70-124	4	0-20	
Tert-Amyl-Methyl Ether (TAME)	84	86	71-125	3	0-20	
Ethanol	91	96	44-152	5	0-43	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 06/24/10
Work Order No: 10-06-1929
Preparation: EPA 5030B
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
10-06-2000-1	Aqueous	GC/MS RR	06/26/10	06/26/10	100626S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	95	80-120	1	0-20	
Carbon Tetrachloride	91	90	55-151	1	0-20	
Chlorobenzene	93	92	80-120	1	0-20	
1,2-Dibromoethane	90	88	77-125	2	0-20	
1,2-Dichlorobenzene	90	90	78-120	1	0-20	
1,2-Dichloroethane	97	94	80-120	3	0-20	
1,1-Dichloroethene	97	96	69-129	1	0-20	
Ethylbenzene	94	92	73-127	2	0-20	
Toluene	97	96	80-120	2	0-20	
Trichloroethene	97	96	67-133	2	0-20	
Vinyl Chloride	84	86	67-133	2	0-20	
Methyl-t-Butyl Ether (MTBE)	89	85	65-131	4	0-22	
Tert-Butyl Alcohol (TBA)	92	91	62-134	1	0-20	
Diisopropyl Ether (DIPE)	95	94	64-136	2	0-29	
Ethyl-t-Butyl Ether (ETBE)	91	89	70-124	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	87	85	71-125	2	0-20	
Ethanol	91	84	44-152	8	0-43	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 06/24/10
Work Order No: 10-06-1929
Preparation: EPA 5030B
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
10-06-2120-2	Aqueous	GC/MS RR	06/28/10	06/28/10	100628S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	100	80-120	1	0-20	
Carbon Tetrachloride	90	90	55-151	0	0-20	
Chlorobenzene	96	95	80-120	1	0-20	
1,2-Dibromoethane	90	90	77-125	1	0-20	
1,2-Dichlorobenzene	91	92	78-120	1	0-20	
1,2-Dichloroethane	97	98	80-120	1	0-20	
1,1-Dichloroethene	101	100	69-129	1	0-20	
Ethylbenzene	97	96	73-127	1	0-20	
Toluene	101	101	80-120	0	0-20	
Trichloroethene	100	101	67-133	1	0-20	
Vinyl Chloride	106	104	67-133	2	0-20	
Methyl-t-Butyl Ether (MTBE)	88	90	65-131	1	0-22	
Tert-Butyl Alcohol (TBA)	266	198	62-134	4	0-20	3
Diisopropyl Ether (DIPE)	98	98	64-136	0	0-29	
Ethyl-t-Butyl Ether (ETBE)	93	94	70-124	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	89	90	71-125	1	0-20	
Ethanol	109	99	44-152	9	0-43	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 10-06-1929
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
099-12-906-1,096	Aqueous	IC 7	N/A	06/24/10	100624L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Sulfate	101	102	90-110	1	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 10-06-1929
Preparation: EPA 5030B
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
099-12-767-4,157	Aqueous	GC/MS RR	06/25/10	06/26/10	100625L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	94	96	80-120	73-127	2	0-20	
Carbon Tetrachloride	90	91	67-139	55-151	1	0-22	
Chlorobenzene	91	93	80-120	73-127	2	0-20	
1,2-Dibromoethane	100	98	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	90	91	79-120	72-127	1	0-20	
1,2-Dichloroethane	102	102	80-120	73-127	0	0-20	
1,1-Dichloroethene	95	97	71-125	62-134	2	0-25	
Ethylbenzene	90	91	80-123	73-130	1	0-20	
Toluene	94	97	80-120	73-127	3	0-20	
Trichloroethene	94	97	80-120	73-127	3	0-20	
Vinyl Chloride	88	84	68-140	56-152	5	0-23	
Methyl-t-Butyl Ether (MTBE)	102	100	75-123	67-131	3	0-25	
Tert-Butyl Alcohol (TBA)	93	94	72-126	63-135	1	0-20	
Diisopropyl Ether (DIPE)	99	100	75-129	66-138	1	0-22	
Ethyl-t-Butyl Ether (ETBE)	99	99	76-124	68-132	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	96	95	79-121	72-128	1	0-20	
Ethanol	76	93	53-143	38-158	20	0-25	
TPPH	98	100	65-135	53-147	1	0-30	

Total number of LCS compounds : 18
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 10-06-1929
Preparation: EPA 5030B
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
099-12-767-4,159	Aqueous	GC/MS RR	06/26/10	06/26/10	100626L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	95	101	80-120	73-127	6	0-20	
Carbon Tetrachloride	90	97	67-139	55-151	7	0-22	
Chlorobenzene	93	99	80-120	73-127	7	0-20	
1,2-Dibromoethane	94	101	80-120	73-127	7	0-20	
1,2-Dichlorobenzene	90	98	79-120	72-127	8	0-20	
1,2-Dichloroethane	99	106	80-120	73-127	7	0-20	
1,1-Dichloroethene	96	101	71-125	62-134	5	0-25	
Ethylbenzene	92	98	80-123	73-130	6	0-20	
Toluene	97	102	80-120	73-127	6	0-20	
Trichloroethene	97	101	80-120	73-127	5	0-20	
Vinyl Chloride	84	90	68-140	56-152	7	0-23	
Methyl-t-Butyl Ether (MTBE)	95	101	75-123	67-131	6	0-25	
Tert-Butyl Alcohol (TBA)	90	96	72-126	63-135	6	0-20	
Diisopropyl Ether (DIPE)	96	103	75-129	66-138	7	0-22	
Ethyl-t-Butyl Ether (ETBE)	94	101	76-124	68-132	7	0-20	
Tert-Amyl-Methyl Ether (TAME)	92	97	79-121	72-128	5	0-20	
Ethanol	80	82	53-143	38-158	2	0-25	
TPPH	105	100	65-135	53-147	4	0-30	

Total number of LCS compounds : 18
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.		Date Received:	N/A
1680 Rogers Avenue		Work Order No:	10-06-1929
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		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
099-12-767-4,167	Aqueous	GC/MS RR	06/28/10	06/28/10	100628L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	97	96	80-120	73-127	1	0-20	
Carbon Tetrachloride	88	87	67-139	55-151	0	0-22	
Chlorobenzene	94	93	80-120	73-127	1	0-20	
1,2-Dibromoethane	91	102	80-120	73-127	11	0-20	
1,2-Dichlorobenzene	92	90	79-120	72-127	1	0-20	
1,2-Dichloroethane	97	104	80-120	73-127	7	0-20	
1,1-Dichloroethene	98	95	71-125	62-134	3	0-25	
Ethylbenzene	94	92	80-123	73-130	3	0-20	
Toluene	99	98	80-120	73-127	1	0-20	
Trichloroethene	99	97	80-120	73-127	2	0-20	
Vinyl Chloride	99	99	68-140	56-152	0	0-23	
Methyl-t-Butyl Ether (MTBE)	92	105	75-123	67-131	14	0-25	
Tert-Butyl Alcohol (TBA)	97	103	72-126	63-135	6	0-20	
Diisopropyl Ether (DIPE)	99	102	75-129	66-138	3	0-22	
Ethyl-t-Butyl Ether (ETBE)	95	103	76-124	68-132	8	0-20	
Tert-Amyl-Methyl Ether (TAME)	90	101	79-121	72-128	12	0-20	
Ethanol	96	91	53-143	38-158	6	0-25	
TPPH	102	101	65-135	53-147	0	0-30	

Total number of LCS compounds : 18
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-06-1929

Qualifier	Definition
*	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.
E	Concentration exceeds the calibration range.
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.

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)

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

Please Check Appropriate Box:

☐ ENV. SERVICES	☐ MOTIVA RETAIL	☐ SHELL RETAIL
☐ MOTIVA SD&CM	☑ CONSULTANT	☐ LUBES
☐ SHELL PIPELINE	☐ OTHER ______	

Print Bill To Contact Name: Peter Schaefer 241501

INCIDENT # (ENV SERVICES): 9 7 0 9 3 3 9 9 ☐ CHECK IF NO INCIDENT # APPLIES

PO #:

SAP #:

DATE: 6-22-10

PAGE: 1 of 1

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@craworld.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): Anni Kremi, CRA, Emeryville Office	PHONE NO.: 510-420-3335	E-MAIL: shelledf@craworld.com
CONSULTANT PROJECT NO.: 100622-JO	BTS #	
SAMPLER NAME(S) (Print): J. Ortiz	LAB USE ONLY: 06-1979	

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:

SPECIAL INSTRUCTIONS OR NOTES : none

~~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

REQUESTED ANALYSIS

TEMPERATURE ON RECEIPT C°

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	HCL	HNO3	H2SO4	NONE	EDTA	NO. OF CONT.	TPH - Purgeable (8260B)	BTEX (8260B)	MTBE (8260B)	EDB (8260B)	EDC (8260B)	Sulfate	Chromium VI	Arsenic, Nickel, Chromium	Total Suspended Solids	Container PID Readings or Laboratory Notes
1	S-9	6-22	1015	W	3			1		4	X	X				X				
2	S-13		0940								X	X				X				
3	S-18		1100								X	X				X				
4	S-20		1120								X	X				X				
5	S-21A		1145								X	X				X				
6	S-22A		1030								X	X				X				
7	S-23		1005								X	X				X				

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
[signature]	[signature]	6-22-10	1615
[signature] (Sample Custodian)	Tom O'Malley CEL	6/23/10	1000
Tom O'Malley TO GSO 6/23/10 1730	[signature]	6/24/10	1020

05/2/06 Revision

1929 1907 2

GSO

< 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 #: 514414052

NPS

ORC **D**

GARDEN GROVE

D92843A

82604457

Print Date : 06/23/10 16:37 PM

Package 1 of 1

Send Label To Printer ☑ Print All Edit Shipment Finish

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.

STEP 1 - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.
STEP 2 - Fold this page in half.
STEP 3 - Securely attach this label to your package, do not cover the barcode.
STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

ADDITIONAL OPTIONS:

Send Label Via Email Create Return Label

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all the service terms and conditions described in this section.
Our liability for loss or damage to any package is limited to your actual damages or $100 whichever is less, unless you pay for and declare a higher authorized value. If you declare a higher value and pay the additional charge, our liability will be the lesser of your declared value or the actual value of your loss or damage. In any event, we will not be liable for any damage, whether direct, incidental, special or consequential, in excess of the declared value of a shipment whether or not we had knowledge that such damage might be incurred including but not limited to loss of income or profit. We will not be liable for your acts or omissions, including but not limited to improper or insufficient packaging, securing, marking or addressing. Also, we will not be liable if you or the recipient violates any of the terms of our agreement. We will not be liable for loss, damage or delay caused by events we cannot control, including but not limited to acts of God, perils of the air, weather conditions, act of public enemies, war, strikes, or civil commotion. The highest declared value for our GSO Priority Letter or GSO Priority Package is $500. For other shipments the highest declared value is $10,000 unless your package contains items of "extraordinary value", in which case the highest declared value we allow is $500. Items of "extraordinary value" include, but or not limited to, artwork, jewelry, furs, precious metals, tickets, negotiable instruments and other items with intrinsic value.

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-06-1 9 0 7 (2 9)

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Blaine Tech DATE: 06/24/10

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

Temperature 2.8 °C + 0.5 °C (CF) = 3.3 °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 ☐ Metals Only ☐ PCBs Only Initial: JP

CUSTODY SEALS INTACT:

☑ Cooler	☐ _____	☐ No (Not Intact)	☐ Not Present	☐ N/A	Initial: JP
☐ Sample	☐ _____	☐ No (Not Intact)	☑ Not Present		Initial:

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

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOAh (3) ☐VOA**na₂** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na₂** ☐1AGB**s** ☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na** ☑250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na₂** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** JP

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

Preservative: h: HCL n: HNO_3 **na₂**: $Na_2S_2O_3$ **na**: NaOH p: H_3PO_4 s: H_2SO_4 **znna**: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** WSC

Calscience
Environmental
Laboratories, Inc.

September 16, 2010

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

Subject: **Calscience Work Order No.: 10-09-0128**
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 9/2/2010 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,

for

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 09/02/10
Work Order No: 10-09-0128
Preparation: N/A
Method: EPA 300.0

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-9	10-09-0128-4-D	08/31/10 11:30	Aqueous	IC 9	N/A	09/03/10 14:10	100903L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	15	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	10-09-0128-7-D	08/31/10 14:20	Aqueous	IC 9	N/A	09/03/10 14:25	100903L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	9300	200	200		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-18	10-09-0128-10-D	08/31/10 14:00	Aqueous	IC 9	N/A	09/03/10 14:40	100903L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	4400	100	100		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20	10-09-0128-12-D	08/31/10 12:15	Aqueous	IC 9	N/A	09/03/10 14:56	100903L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	6300	100	100		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21A	10-09-0128-13-D	08/31/10 12:30	Aqueous	IC 9	N/A	09/03/10 15:11	100903L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	1700	50	50		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22A	10-09-0128-14-D	08/31/10 11:55	Aqueous	IC 9	N/A	09/03/10 16:59	100903L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	22000	400	400		mg/L

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 09/02/10
Work Order No: 10-09-0128
Preparation: N/A
Method: EPA 300.0

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-23	10-09-0128-17-D	08/31/10 12:10	Aqueous	IC 9	N/A	09/03/10 16:44	100903L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	860	20	20		mg/L

Method Blank	099-12-906-1,249	N/A	Aqueous	IC 9	N/A	09/03/10 11:20	100903L01

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

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received:	09/02/10
Work Order No:	10-09-0128
Preparation:	EPA 5030B
Method:	LUFT GC/MS / EPA 8260B
Units:	ug/L

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5	10-09-0128-1-A	08/31/10 09:45	Aqueous	GC/MS OO	09/10/10	09/11/10 06:15	100910L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	1300	10	20		Xylenes (total)	3400	20	20	
Ethylbenzene	1600	20	20		TPPH	32000	1000	20	
Toluene	1100	20	20						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	92	80-126			1,2-Dichloroethane-d4	84	80-131		
Toluene-d8	100	80-120			Toluene-d8-TPPH	100	88-112		
1,4-Bromofluorobenzene	99	80-120							

S-6	10-09-0128-2-A	08/31/10 10:10	Aqueous	GC/MS OO	09/10/10	09/11/10 06:43	100910L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	4700	25	50		Xylenes (total)	1600	20	20	
Ethylbenzene	560	20	20		TPPH	19000	1000	20	
Toluene	1300	20	20						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	93	80-126			1,2-Dichloroethane-d4	84	80-131		
Toluene-d8	100	80-120			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	98	80-120							

S-8	10-09-0128-3-A	08/31/10 10:40	Aqueous	GC/MS OO	09/10/10	09/11/10 03:52	100910L03

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						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	92	80-126			1,2-Dichloroethane-d4	83	80-131		
Toluene-d8	100	80-120			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	97	80-120							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

PERFORMED IN ACCORDANCE nelac

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

Date Received: 09/02/10
Work Order No: 10-09-0128
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-12	10-09-0128-6-A	08/31/10 10:30	Aqueous	GC/MS OO	09/10/10	09/11/10 07:12	100910L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.56	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	89	80-126			1,2-Dichloroethane-d4	84	80-131		
Toluene-d8	101	80-120			Toluene-d8-TPPH	99	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-13	10-09-0128-7-A	08/31/10 14:20	Aqueous	GC/MS OO	09/10/10	09/11/10 07:40	100910L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	140	0.50	1		Xylenes (total)	540	1.0	1	
Ethylbenzene	83	1.0	1		TPPH	3000	50	1	
Toluene	490	5.0	5						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	96	80-126			1,2-Dichloroethane-d4	91	80-131		
Toluene-d8	100	80-120			Toluene-d8-TPPH	100	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	10-09-0128-8-A	08/31/10 11:45	Aqueous	GC/MS OO	09/10/10	09/11/10 08:08	100910L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	5.8	0.50	1		Xylenes (total)	6.1	1.0	1	
Ethylbenzene	1.4	1.0	1		TPPH	130	50	1	
Toluene	3.5	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	94	80-126			1,2-Dichloroethane-d4	87	80-131		
Toluene-d8	100	80-120			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	99	80-120							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 09/02/10
Work Order No: 10-09-0128
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-17	10-09-0128-9-A	08/31/10 11:00	Aqueous	GC/MS OO	09/10/10	09/11/10 08:36	100910L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	120	0.50	1		Xylenes (total)	260	1.0	1	
Ethylbenzene	52	1.0	1		TPPH	1900	50	1	
Toluene	110	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	91	80-126			1,2-Dichloroethane-d4	86	80-131		
Toluene-d8	100	80-120			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	97	80-120							

S-18	10-09-0128-10-A	08/31/10 14:00	Aqueous	GC/MS OO	09/10/10	09/11/10 09:05	100910L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	970	5.0	10		Xylenes (total)	1000	10	10	
Ethylbenzene	230	10	10		TPPH	6600	500	10	
Toluene	1100	10	10						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	86	80-126			1,2-Dichloroethane-d4	82	80-131		
Toluene-d8	99	80-120			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	95	80-120							

S-19	10-09-0128-11-A	08/31/10 11:15	Aqueous	GC/MS OO	09/10/10	09/11/10 09:34	100910L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	79	0.50	1		Xylenes (total)	50	1.0	1	
Ethylbenzene	22	1.0	1		TPPH	580	50	1	
Toluene	92	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	90	80-126			1,2-Dichloroethane-d4	81	80-131		
Toluene-d8	99	80-120			Toluene-d8-TPPH	98	88-112		
1,4-Bromofluorobenzene	97	80-120							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 09/02/10
Work Order No: 10-09-0128
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20	10-09-0128-12-B	08/31/10 12:15	Aqueous	GC/MS QQ	09/14/10	09/14/10 17:43	100914L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	1800	5.0	10		Xylenes (total)	580	10	10	
Ethylbenzene	230	10	10		TPPH	9600	500	10	
Toluene	1400	10	10						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	102	80-126			1,2-Dichloroethane-d4	106	80-131		
Toluene-d8	98	80-120			Toluene-d8-TPPH	97	88-112		
1,4-Bromofluorobenzene	95	80-120							

S-21A	10-09-0128-13-A	08/31/10 12:30	Aqueous	GC/MS OO	09/10/10	09/11/10 10:30	100910L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	230	2.5	5		Xylenes (total)	990	5.0	5	
Ethylbenzene	190	5.0	5		TPPH	5000	250	5	
Toluene	420	5.0	5						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	91	80-126			1,2-Dichloroethane-d4	89	80-131		
Toluene-d8	100	80-120			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	98	80-120							

S-22A	10-09-0128-14-A	08/31/10 11:55	Aqueous	GC/MS OO	09/10/10	09/11/10 10:59	100910L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	690	5.0	10		Xylenes (total)	350	10	10	
Ethylbenzene	78	10	10		TPPH	5000	500	10	
Toluene	600	10	10						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	89	80-126			1,2-Dichloroethane-d4	80	80-131		
Toluene-d8	101	80-120			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	97	80-120							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 09/02/10
Work Order No: 10-09-0128
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21B	10-09-0128-15-A	08/31/10 12:40	Aqueous	GC/MS OO	09/10/10	09/11/10 11:27	100910L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.81	0.50	1		Xylenes (total)	32	1.0	1	
Ethylbenzene	6.9	1.0	1		TPPH	500	50	1	
Toluene	3.4	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	90	80-126			1,2-Dichloroethane-d4	84	80-131		
Toluene-d8	99	80-120			Toluene-d8-TPPH	98	88-112		
1,4-Bromofluorobenzene	99	80-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22B	10-09-0128-16-B	08/31/10 13:45	Aqueous	GC/MS T	09/13/10	09/13/10 14:03	100913L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.57	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	80-126			1,2-Dichloroethane-d4	101	80-131		
Toluene-d8	97	80-120			Toluene-d8-TPPH	96	88-112		
1,4-Bromofluorobenzene	99	80-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-23	10-09-0128-17-C	08/31/10 12:10	Aqueous	GC/MS T	09/14/10	09/14/10 14:43	100914L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	14	0.50	1		Xylenes (total)	110	1.0	1	
Ethylbenzene	34	1.0	1		TPPH	710	50	1	
Toluene	45	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	98	80-126			1,2-Dichloroethane-d4	99	80-131		
Toluene-d8	98	80-120			Toluene-d8-TPPH	97	88-112		
1,4-Bromofluorobenzene	98	80-120							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH NELAC

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

Date Received: 09/02/10
Work Order No: 10-09-0128
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-4,592	N/A	Aqueous	GC/MS OO	09/10/10	09/11/10 03:24	100910L03

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						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	94	80-126			1,2-Dichloroethane-d4	91	80-131		
Toluene-d8	100	80-120			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	100	80-120							

Method Blank	099-12-767-4,594	N/A	Aqueous	GC/MS T	09/13/10	09/13/10 13:33	100913L01

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						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	80-126			1,2-Dichloroethane-d4	101	80-131		
Toluene-d8	99	80-120			Toluene-d8-TPPH	98	88-112		
1,4-Bromofluorobenzene	100	80-120							

Method Blank	099-12-767-4,599	N/A	Aqueous	GC/MS T	09/14/10	09/14/10 13:11	100914L01

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						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	102	80-126			1,2-Dichloroethane-d4	102	80-131		
Toluene-d8	100	80-120			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	97	80-120							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received:	09/02/10
Work Order No:	10-09-0128
Preparation:	EPA 5030B
Method:	LUFT GC/MS / EPA 8260B
Units:	ug/L

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-4,601	N/A	Aqueous	GC/MS QQ	09/14/10	09/14/10 13:15	100914L01

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						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	80-126		1,2-Dichloroethane-d4	104	80-131	
Toluene-d8	99	80-120		Toluene-d8-TPPH	98	88-112	
1,4-Bromofluorobenzene	94	80-120					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received:	09/02/10
Work Order No:	10-09-0128
Preparation:	EPA 5030B
Method:	LUFT GC/MS / EPA 8260B
Units:	ug/L

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-9	10-09-0128-4-C	08/31/10 11:30	Aqueous	GC/MS T	09/14/10	09/14/10 14:13	100914L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	130	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	54	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	13	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	110	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		TPPH	760	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	80-126			1,2-Dichloroethane-d4	100	80-131		
Toluene-d8	100	80-120			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	98	80-120							

S-10	10-09-0128-5-A	08/31/10 11:00	Aqueous	GC/MS T	09/13/10	09/13/10 16:37	100913L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.69	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	1.4	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		TPPH	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	80-126			1,2-Dichloroethane-d4	104	80-131		
Toluene-d8	100	80-120			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	102	80-120							

Method Blank	099-12-767-4,594	N/A	Aqueous	GC/MS T	09/13/10	09/13/10 13:33	100913L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		TPPH	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	80-126			1,2-Dichloroethane-d4	101	80-131		
Toluene-d8	99	80-120			Toluene-d8-TPPH	98	88-112		
1,4-Bromofluorobenzene	100	80-120							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	09/02/10
1680 Rogers Avenue	Work Order No:	10-09-0128
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/L

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-4,599	N/A	Aqueous	GC/MS T	09/14/10	09/14/10 13:11	100914L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		TPPH	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	102	80-126			1,2-Dichloroethane-d4	102	80-131		
Toluene-d8	100	80-120			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	97	80-120							

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.	Date Received: 09/02/10
1680 Rogers Avenue	Work Order No: 10-09-0128
San Jose, CA 95112-1105	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
10-09-0160-1	Aqueous	IC 9	N/A	09/04/10	100903S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Sulfate	93	93	80-120	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 09/02/10
Work Order No: 10-09-0128
Preparation: EPA 5030B
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 OO	09/10/10	09/11/10	100910S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	97	100	80-120	3	0-20	
Carbon Tetrachloride	100	100	55-151	0	0-20	
Chlorobenzene	102	100	80-120	2	0-20	
1,2-Dibromoethane	91	98	77-125	8	0-20	
1,2-Dichlorobenzene	102	101	78-120	1	0-20	
1,2-Dichloroethane	91	99	80-120	8	0-20	
1,1-Dichloroethene	95	93	69-129	2	0-20	
Ethylbenzene	104	101	73-127	3	0-20	
Toluene	100	102	80-120	2	0-20	
Trichloroethene	104	103	67-133	1	0-20	
Vinyl Chloride	93	92	67-133	1	0-20	
Methyl-t-Butyl Ether (MTBE)	86	99	65-131	14	0-22	
Tert-Butyl Alcohol (TBA)	107	127	62-134	18	0-20	
Diisopropyl Ether (DIPE)	92	96	64-136	5	0-29	
Ethyl-t-Butyl Ether (ETBE)	99	108	70-124	9	0-20	
Tert-Amyl-Methyl Ether (TAME)	97	110	71-125	12	0-20	
Ethanol	137	98	44-152	33	0-43	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 09/02/10
Work Order No: 10-09-0128
Preparation: EPA 5030B
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-22B	Aqueous	GC/MS T	09/13/10	09/13/10	100913S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	95	97	80-120	2	0-20	
Carbon Tetrachloride	94	100	55-151	6	0-20	
Chlorobenzene	95	97	80-120	2	0-20	
1,2-Dibromoethane	97	100	77-125	3	0-20	
1,2-Dichlorobenzene	98	103	78-120	5	0-20	
1,2-Dichloroethane	92	96	80-120	4	0-20	
1,1-Dichloroethene	79	88	69-129	10	0-20	
Ethylbenzene	97	100	73-127	3	0-20	
Toluene	96	98	80-120	2	0-20	
Trichloroethene	99	103	67-133	4	0-20	
Vinyl Chloride	99	99	67-133	1	0-20	
Methyl-t-Butyl Ether (MTBE)	110	115	65-131	5	0-22	
Tert-Butyl Alcohol (TBA)	87	89	62-134	1	0-20	
Diisopropyl Ether (DIPE)	90	93	64-136	3	0-29	
Ethyl-t-Butyl Ether (ETBE)	106	109	70-124	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	111	113	71-125	2	0-20	
Ethanol	70	71	44-152	1	0-43	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 09/02/10
Work Order No: 10-09-0128
Preparation: EPA 5030B
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
10-09-0317-9	Aqueous	GC/MS T	09/14/10	09/14/10	100914S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	100	80-120	0	0-20	
Carbon Tetrachloride	94	97	55-151	3	0-20	
Chlorobenzene	97	96	80-120	1	0-20	
1,2-Dibromoethane	99	99	77-125	0	0-20	
1,2-Dichlorobenzene	102	102	78-120	1	0-20	
1,2-Dichloroethane	87	91	80-120	3	0-20	
1,1-Dichloroethene	86	81	69-129	5	0-20	
Ethylbenzene	99	99	73-127	0	0-20	
Toluene	99	100	80-120	1	0-20	
Trichloroethene	102	102	67-133	1	0-20	
Vinyl Chloride	91	93	67-133	2	0-20	
Methyl-t-Butyl Ether (MTBE)	97	104	65-131	3	0-22	
Tert-Butyl Alcohol (TBA)	80	78	62-134	1	0-20	
Diisopropyl Ether (DIPE)	87	88	64-136	2	0-29	
Ethyl-t-Butyl Ether (ETBE)	102	104	70-124	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	113	114	71-125	1	0-20	
Ethanol	68	68	44-152	0	0-43	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 09/02/10
Work Order No: 10-09-0128
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260C

Project 461 8th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-09-0771-1	Aqueous	GC/MS QQ	09/14/10	09/14/10	100914S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	92	90	80-120	3	0-20	
Carbon Tetrachloride	94	91	55-151	4	0-20	
Chlorobenzene	94	90	80-120	4	0-20	
1,2-Dibromoethane	98	95	77-125	3	0-20	
1,2-Dichlorobenzene	93	92	78-120	1	0-20	
1,2-Dichloroethane	95	93	80-120	2	0-20	
1,1-Dichloroethene	89	84	69-129	6	0-20	
Ethylbenzene	96	93	73-127	3	0-20	
Toluene	91	88	80-120	3	0-20	
Trichloroethene	89	85	67-133	4	0-20	
Vinyl Chloride	108	105	67-133	3	0-20	
Methyl-t-Butyl Ether (MTBE)	89	88	65-131	1	0-22	
Tert-Butyl Alcohol (TBA)	103	94	62-134	9	0-20	
Diisopropyl Ether (DIPE)	99	95	64-136	4	0-29	
Ethyl-t-Butyl Ether (ETBE)	92	88	70-124	4	0-20	
Tert-Amyl-Methyl Ether (TAME)	92	92	71-125	0	0-20	
Ethanol	120	95	44-152	23	0-43	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.	Date Received:	N/A
1680 Rogers Avenue	Work Order No:	10-09-0128
San Jose, CA 95112-1105	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
099-12-906-1,249	Aqueous	IC 9	N/A	09/03/10	100903L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Sulfate	107	107	90-110	0	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

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

Date Received: N/A
Work Order No: 10-09-0128
Preparation: EPA 5030B
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
099-12-767-4,592	Aqueous	GC/MS OO	09/10/10	09/11/10	100910L03

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	97	97	80-120	73-127	0	0-20	
Carbon Tetrachloride	99	99	67-139	55-151	0	0-22	
Chlorobenzene	101	102	80-120	73-127	1	0-20	
1,2-Dibromoethane	92	94	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	101	102	79-120	72-127	1	0-20	
1,2-Dichloroethane	93	92	80-120	73-127	1	0-20	
1,1-Dichloroethene	93	93	71-125	62-134	1	0-25	
Ethylbenzene	103	105	80-123	73-130	1	0-20	
Toluene	102	102	80-120	73-127	0	0-20	
Trichloroethene	103	104	80-120	73-127	1	0-20	
Vinyl Chloride	92	93	68-140	56-152	1	0-23	
Methyl-t-Butyl Ether (MTBE)	92	91	75-123	67-131	1	0-25	
Tert-Butyl Alcohol (TBA)	113	111	72-126	63-135	1	0-20	
Diisopropyl Ether (DIPE)	95	92	75-129	66-138	3	0-22	
Ethyl-t-Butyl Ether (ETBE)	104	104	76-124	68-132	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	106	109	79-121	72-128	2	0-20	
Ethanol	108	101	53-143	38-158	6	0-25	
TPPH	90	88	65-135	53-147	2	0-30	

Total number of LCS compounds : 18
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 10-09-0128
Preparation: EPA 5030B
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
099-12-767-4,594	Aqueous	GC/MS T	09/13/10	09/13/10	100913L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	90	97	80-120	73-127	8	0-20	
Carbon Tetrachloride	92	101	67-139	55-151	10	0-22	
Chlorobenzene	89	96	80-120	73-127	8	0-20	
1,2-Dibromoethane	91	102	80-120	73-127	11	0-20	
1,2-Dichlorobenzene	93	101	79-120	72-127	8	0-20	
1,2-Dichloroethane	84	95	80-120	73-127	12	0-20	
1,1-Dichloroethene	87	83	71-125	62-134	4	0-25	
Ethylbenzene	91	100	80-123	73-130	9	0-20	
Toluene	91	97	80-120	73-127	7	0-20	
Trichloroethene	94	104	80-120	73-127	9	0-20	
Vinyl Chloride	96	96	68-140	56-152	0	0-23	
Methyl-t-Butyl Ether (MTBE)	108	117	75-123	67-131	8	0-25	
Tert-Butyl Alcohol (TBA)	79	86	72-126	63-135	8	0-20	
Diisopropyl Ether (DIPE)	88	95	75-129	66-138	7	0-22	
Ethyl-t-Butyl Ether (ETBE)	104	111	76-124	68-132	7	0-20	
Tert-Amyl-Methyl Ether (TAME)	106	116	79-121	72-128	9	0-20	
Ethanol	64	67	53-143	38-158	4	0-25	
TPPH	72	70	65-135	53-147	4	0-30	

Total number of LCS compounds : 18
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 10-09-0128
Preparation: EPA 5030B
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
099-12-767-4,599	Aqueous	GC/MS T	09/14/10	09/14/10	100914L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	100	99	80-120	73-127	1	0-20	
Carbon Tetrachloride	97	98	67-139	55-151	1	0-22	
Chlorobenzene	99	98	80-120	73-127	1	0-20	
1,2-Dibromoethane	101	102	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	103	104	79-120	72-127	1	0-20	
1,2-Dichloroethane	93	94	80-120	73-127	1	0-20	
1,1-Dichloroethene	90	88	71-125	62-134	2	0-25	
Ethylbenzene	101	100	80-123	73-130	1	0-20	
Toluene	101	98	80-120	73-127	2	0-20	
Trichloroethene	103	102	80-120	73-127	1	0-20	
Vinyl Chloride	95	94	68-140	56-152	1	0-23	
Methyl-t-Butyl Ether (MTBE)	108	109	75-123	67-131	1	0-25	
Tert-Butyl Alcohol (TBA)	87	88	72-126	63-135	1	0-20	
Diisopropyl Ether (DIPE)	92	92	75-129	66-138	0	0-22	
Ethyl-t-Butyl Ether (ETBE)	105	105	76-124	68-132	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	110	112	79-121	72-128	2	0-20	
Ethanol	71	72	53-143	38-158	1	0-25	
TPPH	71	69	65-135	53-147	3	0-30	

Total number of LCS compounds : 18
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

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

Date Received: N/A
Work Order No: 10-09-0128
Preparation: EPA 5030B
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
099-12-767-4,601	Aqueous	GC/MS QQ	09/14/10	09/14/10	100914L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	92	90	80-120	73-127	3	0-20	
Carbon Tetrachloride	94	90	67-139	55-151	4	0-22	
Chlorobenzene	94	90	80-120	73-127	5	0-20	
1,2-Dibromoethane	98	93	80-120	73-127	5	0-20	
1,2-Dichlorobenzene	96	92	79-120	72-127	4	0-20	
1,2-Dichloroethane	94	92	80-120	73-127	2	0-20	
1,1-Dichloroethene	88	85	71-125	62-134	3	0-25	
Ethylbenzene	96	92	80-123	73-130	5	0-20	
Toluene	92	88	80-120	73-127	4	0-20	
Trichloroethene	90	87	80-120	73-127	3	0-20	
Vinyl Chloride	97	94	68-140	56-152	3	0-23	
Methyl-t-Butyl Ether (MTBE)	94	91	75-123	67-131	3	0-25	
Tert-Butyl Alcohol (TBA)	91	92	72-126	63-135	1	0-20	
Diisopropyl Ether (DIPE)	100	96	75-129	66-138	4	0-22	
Ethyl-t-Butyl Ether (ETBE)	95	92	76-124	68-132	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	98	94	79-121	72-128	4	0-20	
Ethanol	94	83	53-143	38-158	13	0-25	
TPPH	90	91	65-135	53-147	0	0-30	

Total number of LCS compounds : 18
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-09-0128

Qualifier	Definition
*	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.
E	Concentration exceeds the calibration range.
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.

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☑ CALSCIENCE (_____)
- ☐ SPL (_____)
- ☐ XENCO (_____)
- ☐ TEST AMERICA (_____)
- ☐ OTHER (_____)

Please Check Appropriate Box:
☐ ENV. SERVICES ☐ MOTIVA RETAIL ☐ SHELL RETAIL
☐ MOTIVA SD&CM ☑ CONSULTANT ☐ LUBES
☐ SHELL PIPELINE ☐ OTHER _____

Print Bill To Contact Name: Peter Schaefer 241501
INCIDENT # (ENV SERVICES): 9 7 0 9 3 3 9 9 ☐ CHECK IF NO INCIDENT # APPLIES
PO #:
SAP #:
DATE: 8/31/10
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@craworld.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): Anni Kremi, CRA, Emeryville Office
PHONE NO.: 510-420-3335
E-MAIL: shelledf@craworld.com
CONSULTANT PROJECT NO.: 100831-WW1
BTS #:
SAMPLER NAME(S) (Print): WILLIAM WONG / IAN WILLIAMS
LAB USE ONLY: 10-09-0128

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:

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	EDTA	NO. OF CONT.	TPH - Purgeable (8260B)	BTEX (8260B)	MTBE (8260B)	EDB (8260B)	EDC (8260B)	Sulfate	Chromium VI	Arsenic, Nickel, Chromium	Total Suspended Solids	OXYGENATES (5) (8260)	TEMPERATURE ON RECEIPT C°	Container PID Readings or Laboratory Notes
1	S-5	8/31/10	0945	W	3					3	X	X										
2	S-6		1010							3	X	X										
3	S-8		1040							3	X	X										
4	S-9		1130					1		4	X	X				X				X		
5	S-10		1100							3	X	X								X		
6	S-12		1030		6					8	X	X										
7	S-13		1420		3			1		4	X	X				X						
8	S-14R		1145							3	X	X										
9	S-17		1100							3	X	X										
10	S-18	↓	1400	↓	↓			1		4	X	X				X						

Relinquished by: (Signature)	Received by: (Signature) SAMPLE CUSTODIAN	Date: 8/31/10	Time: 1540
Relinquished by: (Signature)	Received by: (Signature) CEL	Date: 9/1/10	Time: 1015
Relinquished by: (Signature) 9-1-10 1730	Received by: (Signature) CEL	Date: 9/2/10	Time: 1200

05/2/06 Revision

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☑ CALSCIENCE (_____)
- ☐ SPL (_____)
- ☐ XENCO (_____)
- ☐ TEST AMERICA (_____)
- ☐ OTHER (_____)

Please Check Appropriate Box:
☐ ENV. SERVICES ☐ MOTIVA RETAIL ☐ SHELL RETAIL
☐ MOTIVA SD&CM ☑ CONSULTANT ☐ LUBES
☐ SHELL PIPELINE ☐ OTHER _____

Print Bill To Contact Name: Peter Schaefer 241501

INCIDENT # (ENV SERVICES): 9 7 0 9 3 3 9 9 ☐ CHECK IF NO INCIDENT # APPLIES

DATE: 8/31/10

PO # | SAP #

PAGE: 2 of 2

SAMPLING COMPANY: Blaine Tech Services | LOG CODE: BTSS

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

ADDRESS: 1680 Rogers Ave, San Jose, CA 95112

EDF DELIVERABLE TO (Name, Company, Office Location): Anni Kreml, CRA, Emeryville Office | PHONE NO.: 510-420-3335 | E-MAIL: shelledf@craworld.com | CONSULTANT PROJECT NO: 100831-MW1 | BTS #

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

SAMPLER NAME(S) (Print): WILLIAM WANG / IAN WILLIAMS

LAB USE ONLY: 10-09-0128

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

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:

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	EDTA	NO. OF CONT.	TPH - Purgeable (8260B)	BTEX (8260B)	MTBE (8260B)	EDB (8260B)	EDC (8260B)	Sulfate	Chromium VI	Arsenic, Nickel, Chromium	Total Suspended Solids	Container PID Readings or Laboratory Notes
11	S-19	8/31/10	1115	W	3					3	X	X								
12	S-20	"	1215	"	"			1		4	X	X				X				
13	S-21A	"	1230	"	"			1		4	X	X				X				
14	S-22A	"	1155	"	"			1		4	X	X				X				
15	S-21B	"	1240	"	"					3	X	X								
16	S-22B	"	1345	"	"					3	X	X								
17	S-23	"	1210	"	"			1		4	X	X				X				

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	SAMPLE CUSTODIAN	8/31/10	1540
	CEL	9/1/10	1015
9-1-10 GSD 1730	9/1 CEL	9/2/10	1200

05/2/06 Revision

GSO

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:
ETIC, BTS

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 514865186

NPS

ORC

D

GARDEN GROVE

D92843A

84353711

Print Date : 09/01/10 12:14 PM

Package 1 of 2

Send Label To Printer | ☑ Print All | Edit Shipment | Finish

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.

STEP 1 - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.
STEP 2 - Fold this page in half.
STEP 3 - Securely attach this label to your package, do not cover the barcode.
STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

ADDITIONAL OPTIONS:

Send Label Via Email | Create Return Label

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all the service terms and conditions described in this section.
Our liability for loss or damage to any package is limited to your actual damages or $100 whichever is less, unless you pay for and declare a higher authorized value. If you declare a higher value and pay the additional charge, our liability will be the lesser of your declared value or the actual value of your loss or damage. In any event, we will not be liable for any damage, whether direct, incidental, special or consequential, in excess of the declared value of a shipment whether or not we had knowledge that such damage might be incurred including but not limited to loss of income or profit. We will not be liable for your acts or omissions, including but not limited to improper or insufficient packaging, securing, marking or addressing. Also, we will not be liable if you or the recipient violates any of the terms of our agreement. We will not be liable for loss, damage or delay caused by events we cannot control, including but not limited to acts of God, perils of the air, weather conditions, act of public enemies, war, strikes, or civil commotion. The highest declared value for our GSO Priority Letter or GSO Priority Package is $500. For other shipments the highest declared value is $10,000 unless your package contains items of "extraordinary value", in which case the highest declared value we allow is $500. Items of "extraordinary value" include, but or not limited to, artwork, jewelry, furs, precious metals, tickets, negotiable instruments and other items with intrinsic value.

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-09-0 r 2 8

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: BTS DATE: 09/2/10

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

Temperature 2.1 °C + 0.5 °C (CF) = 2.6 °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 ☐ Metals Only ☐ PCBs Only Initial: YL

CUSTODY SEALS INTACT:

☑ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☐ N/A Initial: YL

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: KP

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

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑3 VOA**h** ☐VOA**na₂** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na₂** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na**

☑250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na₂** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** KP

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

Preservative: h: HCL n: HNO_3 **na₂**: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** POP

WELL GAUGING DATA

Project # 100622-101 Date 6-22-10 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 TOC	Notes
S-9	0902	4					22.64	29.86		
S-13	0916	4					23.20	32.57		
S-18	0907	2					23.16	33.20		
S-20	0910	4					23.19	34.80		
S-21A	0913	4					23.87	26.52		
S-22A	0919	4					23.51	26.57		
S-23	0922	4					24.40	34.62		

SHEET WELL MONITORING DATA SHEET

BTS #: 100622-SO1	Site: 461 8th St. Oakland CA
Sampler: JO	Date: 6-22-10
Well I.D.: S-9	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 29.86	Depth to Water (DTW): 22.64
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]: 24.08	

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: _____

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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1010	69.4	4.05	797.3	21	4.6	
1011	69.4	4.89	504.2	16	9.2	
1012	69.3	4.91	482.1	17	13.8	

Did well dewater? Yes (No) Gallons actually evacuated: 13.8

Sampling Date: 6-22-10 Sampling Time: 1015 Depth to Water: 27.93

Sample I.D.: S-9 Laboratory: (CalScience) Columbia Other_____

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

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:	2.16 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:	577 mV	Post-purge:		mV

SHEET WELL MONITORING DATA SHEET

BTS #: 100622-SO1	Site: 461 8th st. Oakland CA
Sampler: JO	Date: 6-22-10
Well I.D.: S-13	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 32.57	Depth to Water (DTW): 23.20
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]: 25.07	

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: _____

6.0 (Gals.) X 3 = 18.0 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0929	71.2	6.31	5366	18	6.0	
0930	71.1	5.00	6663	17	12.0	
0932	71.1	4.03	10.70ms	12	18.0	
0934	71.1	4.01	10.92ms	15	24.	

Did well dewater? Yes (No) Gallons actually evacuated: 24.0

Sampling Date: 6-22-10 Sampling Time: 0940 Depth to Water: 23.87

Sample I.D.: S-13 Laboratory: (CalScience) Columbia Other_____

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

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:	1.10	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	417	mV	Post-purge:	426 mV

SHEET WELL MONITORING DATA SHEET

BTS #: 100622-SO1	Site: 461 8th st. Oakland CA
Sampler: JO	Date: 6-22-10
Well I.D.: S-18	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 33.20	Depth to Water (DTW): 23.80
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]: 25.12	

Purge Method: (Bailer) Waterra; Disposable Bailer; Peristaltic; Positive Air Displacement; Extraction Pump; Electric Submersible; Other_____

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1151	71.1	3.62	2141	721	1.6	
1154	71.2	3.63	3121	>1000	3.2	
1157	71.1	3.67	3221	>1000	4.8	

Did well dewater? Yes (No) Gallons actually evacuated: 4.8

Sampling Date: 6-22-10 Sampling Time: 1100 Depth to Water: 23.72

Sample I.D.: S-18 Laboratory: (CalScience) Columbia Other_____

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

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:	0.59 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:	499 mV	Post-purge:		mV

SHEET WELL MONITORING DATA SHEET

BTS #: 100622-SO1	Site: 461 8th St. Oakland CA
Sampler: JO	Date: 6-22-10
Well I.D.: S-20	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 34.80	Depth to Water (DTW): 23.19
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]: 25.51	

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

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1109	69.1	3.19	12.22	331	7.5	
1111	69.8	3.21	12.19	426	15.0	
1113	69.9	3.24	12.07	502	22.5	

Did well dewater? Yes (No) Gallons actually evacuated: 22.5

Sampling Date: 6-22-10 Sampling Time: 1120 Depth to Water: 24.03

Sample I.D.: S-20 Laboratory: (CalScience) Columbia Other_____

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

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:	11.64 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:	632 mV	Post-purge:		mV

SHEET WELL MONITORING DATA SHEET

BTS #: 100622-JO1	Site: 461 8th st. Oakland CA
Sampler: JO	Date: 6-22-10
Well I.D.: S-21A	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 26.52	Depth to Water (DTW): 23.87
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]: 24.43	

Purge Method: (Bailer) Waterra; Disposable Bailer; Peristaltic; Positive Air Displacement; Extraction Pump; Electric Submersible; Other_____

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

1.7 (Gals.) X 3 = 5.1 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1130	71.3	2.70	9371	>1000	1.7	Brown / cloudy
1135	72.0	2.64	10.03 ms	>1000	3.4	" "
1140	72.3	2.59	10.07 ms	>1000	5.1	" "

Did well dewater? Yes (No) Gallons actually evacuated: 5.1

Sampling Date: 6-22-10 Sampling Time: 1145 Depth to Water: 24.12

Sample I.D.: S-21A Laboratory: (CalScience) Columbia Other_____

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

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:	2.33 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:	439 mV	Post-purge:		mV

SHEET WELL MONITORING DATA SHEET

BTS #: 100622-SO1	Site: 461 8th St. Oakland CA
Sampler: JO	Date: 6-22-10
Well I.D.: S-22A	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 26.57	Depth to Water (DTW): 23.51
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]: 24.12	

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: _____

1.9 (Gals.) X 3 = 5.7 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or ~~µS~~)	Turbidity (NTUs)	Gals. Removed	Observations
1021	69.2	3.31	20.19ms	>1000	1.9	Brown / cloudy
1024	69.1	2.67	20.25	>1000	3.8	" "
1027	69.2	2.63	21.01	>1000	5.7	" "

Did well dewater? Yes (No) Gallons actually evacuated: 5.7

Sampling Date: 6-22-10 Sampling Time: 1030 Depth to Water: 23.67

Sample I.D.: S-22A Laboratory: (CalScience) Columbia Other_____

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

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:	6.10 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:	542 mV	Post-purge:		mV

SHEET WELL MONITORING DATA SHEET

BTS #: 100622-SO1	Site: 461 8th St. Oakland CA
Sampler: JO	Date: 6-22-10
Well I.D.: S-23	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 34.62	Depth to Water (DTW): 24.40
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]: 26.44	

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: _____

6.6 (Gals.) X	3	=	19.8 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0952	72.7	2.63	8875	>1000	6.6	
0954	72.5	2.61	7919	>1000	13.2	
0956	72.4	2.59	8292	425	19.8	

Did well dewater? Yes (No) Gallons actually evacuated: 19.8

Sampling Date: 6-22-10 Sampling Time: 1005 Depth to Water: 24.93

Sample I.D.: S-23 Laboratory: (CalScience) Columbia Other_____

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

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:	12.96 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	(Pre-purge):	572 mV	Post-purge:		mV

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 461 8th st Oakland ca Date 6-22-16

Job Number 100622-J01 Technician JO Page 1 of 1

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-9	X	X							
S-13	X	X							~~no tag~~
S-19	X	X							
S-20	X	X							
S-21A	X	X							
S-22A	X	X							
S-23	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 REPAIR FORM
(FOR REPAIR TECHNICIAN)

Site Address 461 8th St. Oakland Date 5/20/10

Job Number 100520-BWZ Technician BW Page 1 of 1

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: 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)	All Repairs Completed	Remaining Deficiencies Logged onto *BLAINE Repair Order*	Remaining Deficiencies Logged onto *Notice of Deficient Condition* - BLAINE Unable to Repair
S-8							X	X	X	X							X		

Notes: Replaced Wellbox w/ 12" Emco

Well box type / size: 12" Emco Materials used: 1 Box kit, 4 bags

Notes:

Well box type / size: Materials used:

Notes:

Well box type / size: Materials used:

Notes:

Well box type / size: Materials used:

Notes:

Well box type / size: Materials used:

Notes:

Well box type / size: Materials used:

Notes:

Well box type / size: Materials used:

WELL GAUGING DATA

Project # 100831-WW1 Date 8/31/10 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 TOC	DO	Notes
S-4	0815	4					21.72	28.60			—
S-5	0930	4					16.95	30.05			0.58
S-6	0950	4					20.78	34.72			1.55
S-8	0820	4					23.48	28.86			0.54
S-9	0821	4					22.92	29.77			1.53
S-10	0906	4					24.24	35.88			0.51
S-12	0833	4					25.08	34.19			1.18
S-13	0829	4					24.00	32.44			0.99
S-14R	0857	4					23.12	34.28			1.55
S-17	0845	2					23.92	33.77			1.32
S-18	0839	2					23.55	33.21			1.23
S-19	0852	4	ODOR				22.86	34.58			1.02
S-20	0824	4					23.13	34.80			0.94
S-21A	0836	4					24.13	26.45			0.73
S-21B	0840	4					24.04	39.28			0.72
S-22A	0850	4					23.52	26.45			1.03
S-22B	0859	4					23.51	39.60			0.92

WELL GAUGING DATA

Project # 100831-MW1 Date 8/31/10 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 TOC	Notes
S-23	0828	4					23.95	34.70		1.25

SHEET WELL MONITORING DATA SHEET

BTS #: 100831-WW1	Site: 461 8th ST., OAKLAND, CA
Sampler: IW, WW	Date: 8/31/10
Well I.D.: S-5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 30.05	Depth to Water (DTW): 16.95
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]: 19.57	

Purge Method:
- Bailer
- Disposable Bailer
- Positive Air Displacement
- X Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:
- ~~X Bailer~~ (WW)
- X Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

8.5 (Gals.) X 3 = 25.5 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
0937	67.0	7.73	820	834	8.5	odor
0938	67.3	7.04	18.65 ms	959	17	"
~~0940~~	WELL	DEWATERED	@ 17	GALS		
0945	66.5	6.75	18.83 ms	420	—	odor

Did well dewater? (Yes) No Gallons actually evacuated: 17

Sampling Date: 8/31/10 Sampling Time: 0945 Depth to Water: 20.35 (TRAFFIC)

Sample I.D.: S-5 Laboratory: (CalScience) Columbia Other_____

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

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):	0.58 mg/L	Post-purge:	~~0.~~ (WW) mg/L
O.R.P. (if req'd):	(Pre-purge):	-102 mV	Post-purge:	mV

SHE WELL MONITORING DAT SHEET

BTS #: 100831-WW1	Site: 461 8th ST., OAKLAND, CA
Sampler: (IW) WW	Date: 8/31/10
Well I.D.: S-6	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 34.72	Depth to Water (DTW): 20.78
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]: 23.57	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other ____

Sampling Method: ~~X Bailer~~; X Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ____

9.1 (Gals.) X	3	=	27.3 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1002	67.5	6.82	838	312	9.1	STRONG ODOR
1004	67.6	6.52	803	386	18.2	"
1006	67.7	6.50	796	270	27.3	"

Did well dewater? Yes (X) No — Gallons actually evacuated: 27.3

Sampling Date: 8/31/10 — Sampling Time: 1010 — Depth to Water: TRAFFIC 21.55

Sample I.D.: S-6 — Laboratory: (CalScience) Columbia Other ____

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

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):	1.55	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	(Pre-purge):	-88	mV	Post-purge:	mV

SHE WELL MONITORING DAT SHEET

BTS #: 100831-WW1	Site: 461 8th ST., OAKLAND, CA
Sampler: (IW), WW	Date: 8/31/10
Well I.D.: S-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 28.86	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]: 24.56	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

3.5 (Gals.) X	3	=	10.5 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1028	69.7	6.86	429	86	3.5	
1030	WELL DEWATERED @ 6.5		GALLONS		6.5	DTW = 29.25
1040	69.5	6.79	466 ~~612~~ IW	612	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 6.5

Sampling Date: 8/31/10 Sampling Time: 1040 Depth to Water: 24.46

Sample I.D.: S-8 Laboratory: (CalScience) Columbia Other_____

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

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):	0.54 mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	(Pre-purge):	-72 mV	Post-purge:	mV

SHE WELL MONITORING DAT SHEET

BTS #: 100831-WW1	Site: 461 8th ST., OAKLAND, CA
Sampler: IW, (WW)	Date: 8/31/10
Well I.D.: S-9	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 29.77	Depth to Water (DTW): 22.92
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]: 24.29	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; ✓Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

4.5 (Gals.) X	3	=	13.5 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1122	70.1	5.68	677	112	4.5	
1123	69.6	6.02	392	36	9	
1124	69.4	6.21	397	60	13.5	

Did well dewater? Yes (No) Gallons actually evacuated: 13.5

Sampling Date: 8/31/10 Sampling Time: 1130 Depth to Water: 24.29

Sample I.D.: S-9 Laboratory: (CalScience) Columbia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC, ~~SULFATE~~ SULFATE

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):	1.53	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	(Pre-purge):	415	mV	Post-purge:	mV

SHE WELL MONITORING DAT SHEET

BTS #: 100831-WW1	Site: 461 8th ST., OAKLAND, CA
Sampler: (IW), WW	Date: 8/31/10
Well I.D.: S-10	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 35.88	Depth to Water (DTW): 24.24
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]: 26.57	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

7.6 (Gals.) X 3 = 22.8 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	~~DTW~~ (ft) IW Observations
1052	70.8	5.96	475	158	7.6	DARK BROWN
1054	71.0	6.44	464	34	15.2	CLEARING
1057	70.9	6.44	470	22	22.8	"

Did well dewater? Yes (No) Gallons actually evacuated: 22.8

Sampling Date: 8/31/10 Sampling Time: 1100 Depth to Water: 26.40

Sample I.D.: S-10 Laboratory: (CalScience) Columbia Other_____

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

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):	0.51	mg/L	Post-purge:	mg/L
O.R.P. (if req'd): (Pre-purge):	-3	mV	Post-purge:	mV

SHE WELL MONITORING DAT SHEET

BTS #: 100831-WW1	Site: 461 8th ST., OAKLAND, CA
Sampler: IW (WW)	Date: 8/31/10
Well I.D.: S-12	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 34.19	Depth to Water (DTW): 25.08
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]: 26.90	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (P) Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other____

Sampling Method: (X) Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ____

5.9 (Gals.) X	3	= 17.7 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1021	69.0	7.60	1739	230	5.9	odor
1022	69.2	7.57	1743	262	11.8	"
1023	69.4	7.63	1917	342	17.7	"

Did well dewater? Yes (No) Gallons actually evacuated: 17.7

Sampling Date: 8/31/10 Sampling Time: 1030 Depth to Water: 26.14

Sample I.D.: S-12 Laboratory: (CalScience) Columbia Other____

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

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):	180 mV	Post-purge:		mV

MS/MSD

SHE WELL MONITORING DAT SHEET

BTS #: 100831-WW1	Site: 461 8th ST., OAKLAND, CA
Sampler: (IW), WW	Date: 8/31/10
Well I.D.: S-13	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 32.44	Depth to Water (DTW): 24.00
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]: ~~24.20~~ IN 25.69	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (X) Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: (X) Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

5.5 (Gals.) X	3	=	16.5 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^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1411	73.5	4.44	7395	66	5.5	ODOR
1412	72.8	4.28	8941	89	11.0	"
1413	73.0	4.26	9012	69	16.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 16.5

Sampling Date: 8/31/10 Sampling Time: 1420 Depth to Water: 25.10

Sample I.D.: S-13 Laboratory: (CalScience) Columbia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC, SULFATE

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):	0.90 mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	(Pre-purge):	400 mV	Post-purge:	mV

SHE WELL MONITORING DAT SHEET

BTS #: 100831-WW1	Site: 461 8th ST., OAKLAND, CA
Sampler: (IW), WW	Date: 8/31/10
Well I.D.: S-14R	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 34.28	Depth to Water (DTW): 23.12
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]: 25.36	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ____

7.3 (Gals.) X	3 =	21.9 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1132	70.1	7.02	522	141	7.3	
1134	70.3	6.92	513	136	14.6	
1135	WELL	DEWATERED @ 18.0 GALLONS			18.0	DTW = 27.68
1145	68.7	6.87	392	186	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 18.0

Sampling Date: 8/31/10 Sampling Time: 1145 Depth to Water: 25.10 WAITED

Sample I.D.: S-14R Laboratory: (CalScience) Columbia Other____

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

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):	+1W 1.55 mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	(Pre-purge):	-13 mV	Post-purge:	mV

SHE WELL MONITORING DAT SHEET

BTS #: 100831-WW1	Site: 461 8th ST., OAKLAND, CA
Sampler: IW, (GW)	Date: 8/31/10
Well I.D.: S-17	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 33.77	Depth to Water (DTW) 23.92
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]: 25.89	

Purge Method: (X) Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: (X) Bailer; Disposable Bailer; Extraction Port; 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^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or ~~uS~~)	Turbidity (NTUs)	Gals. Removed	Observations
1047	71.6	5.71	1472	>1000	1.6	
1050	71.8	5.80	1905	>1000	3.2	
1053	71.7	5.80	2095	>1000	4.8	

Did well dewater? Yes (No) Gallons actually evacuated: 4.8

Sampling Date: 8/31/10 Sampling Time: 1100 Depth to Water: 24.23

Sample I.D.: S-17 Laboratory: (CalScience) Columbia Other_____

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

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):	1.32 mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	(Pre-purge):	370 mV	Post-purge:	mV

SHE WELL MONITORING DAT SHEET

BTS #: 100831-WW1	Site: 461 8th ST., OAKLAND, CA
Sampler: IW, ~~WW~~	Date: 8/31/10
Well I.D.: S-18	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 33.21	Depth to Water (DTW): 23.55
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]: 25.48	

Purge Method: (X) Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other____

Sampling Method: (X) Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ____

1.5 (Gals.) X	3	=	4.5 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^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1350	73.0	4.61	6615	71000	1.5	ODOR
1353	71.8	4.89	6342	>1000	3.0	"
1356	71.6	4.86	6411	>1000	4.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 4.5

Sampling Date: 8/31/10 Sampling Time: 1400 Depth to Water: 24.12

Sample I.D.: S-18 Laboratory: (CalScience) Columbia Other____

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

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):	1.23	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	(Pre-purge):	258	mV	Post-purge:	mV

SHE WELL MONITORING DAT SHEET

BTS #: 100831-WW1	Site: 461 8th ST., OAKLAND, CA
Sampler: IW, ~~MW~~	Date: 8/31/10
Well I.D.: S-19	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 34.58	Depth to Water (DTW): 22.86
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]: 25.20	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

7.6 (Gals.) X	3	= 22.8 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^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or ~~µS~~)	Turbidity (NTUs)	Gals. Removed	Observations
1107	69.5	6.00	1779	560	7.6	
1109	69.5	6.20	1516	278	15.2	
1110	69.0	6.00	1667	987	22.8	

Did well dewater? Yes (No) Gallons actually evacuated: 22.8

Sampling Date: 8/31/10 Sampling Time: 1115 Depth to Water: 25.20

Sample I.D.: S-19 Laboratory: (CalScience) Columbia Other_____

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

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:)	1.02 mg/L	Post-purge:		mg/L
O.R.P. (if req'd): (Pre-purge:)	297 mV	Post-purge:		mV

SHE WELL MONITORING DAT SHEET

BTS #: 100831-WW1	Site: 461 8th ST., OAKLAND, CA
Sampler: IW, WW	Date: 8/31/10
Well I.D.: S-20	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 34.80	Depth to Water (DTW): 23.13
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]: 25.46	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

7.6 (Gals.) X	3	=	23.8 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or ~~uS~~)	Turbidity (NTUs)	Gals. Removed	Observations
1207	71.7	4.10	9581	229	7.6	
1209	71.9	3.42	15.57ms	46	15.2	
1211 (WW)	WELL DEWATERED @		23 GALS			
1215	74.3	3.50	13.10	48	—	
*	pH double checked w/ 2nd meter					

Did well dewater? (Yes) No Gallons actually evacuated: 23

Sampling Date: 8/31/10 Sampling Time: 1215 Depth to Water: 24.96

Sample I.D.: S-20 Laboratory: (CalScience) Columbia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC, SULFATE

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):	0.94 mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	(Pre-purge):	529 mV	Post-purge:	mV

SHE WELL MONITORING DAT SHEET

BTS #: 100831-WW1	Site: 461 8th ST., OAKLAND, CA
Sampler: (IW), WW	Date: 8/31/10
Well I.D.: S-21A	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 26.45	Depth to Water (DTW): 24.13
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]: 24.60	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	* Observations
1218	71.6	3.38*	2274	186	1.6	CHECKED PH AGAINST 2ND ULTRAMETER.
1219	WELL	DEWATERED @	1.8 GALLONS		1.8	DTW = 26.10 ~~26.10~~ IW
1230	71.8	3.35	3473	>1000	GRAB	~~DTW = 2~~ IW

Did well dewater? (Yes) No Gallons actually evacuated: 1.8

Sampling Date: 8/31/10 Sampling Time: 1230 Depth to Water: ~~1.8 IW~~ 24.55

Sample I.D.: S-21A Laboratory: (CalScience) Columbia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC ~~SULFATE~~

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:)	0.73	mg/L	Post-purge:	mg/L
O.R.P. (if req'd): (Pre-purge:)	392	mV	Post-purge:	mV

SHE WELL MONITORING DAT SHEET

BTS #: 100831-WW1	Site: 461 8th ST., OAKLAND, CA
Sampler: (IW) ~~WW~~	Date: 8/31/10
Well I.D.: S-21B	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 39.28	Depth to Water (DTW): 24.04
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]: 27.09	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

10.0 (Gals.) X	3	= 30.0 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1116	73.2	6.79	3524	106	~~20~~ 10.0	
1117	WELL DEWATERED @ 12.0			GALLONS	~~20.0~~ 12.0	DTW = 34.85
1240	71.6	5.21	1959	165	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 12.0

Sampling Date: 8/31/10 Sampling Time: 1240 Depth to Water: WATER 24.28

Sample I.D.: S-21B Laboratory: (CalScience) Columbia Other_____

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

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):	0.72	mg/L	Post-purge:	mg/L
O.R.P. (if req'd): (Pre-purge):	45	mV	Post-purge:	mV

SHE WELL MONITORING DAT SHEET

BTS #: 100831-WW1	Site: 461 8th ST., OAKLAND, CA
Sampler: IW, (WW)	Date: 8/31/10
Well I.D.: S-22A	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 26.45	Depth to Water (DTW): 23.52
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]: 24.11	

Purge Method: (X) Bailer; Disposable Bailer; Positive Air Displacement; (X) Electric Submersible (W); Waterra; Peristaltic; Extraction Pump; Other ____

Sampling Method: (X) Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ____

1.9 (Gals.) X	3	= 5.7 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1141	76.0	2.72	21.73	>1000	1.9	odor
1144	74.0	2.73	22.00	>1000	3.8	"
1147	73.4	2.69	22.33	>1000	5.7	"
*	DOUBLE CHECKED pH w/ 2nd meter					

Did well dewater? Yes (No) Gallons actually evacuated: 5.7

Sampling Date: 8/31/10 Sampling Time: 1155 Depth to Water: 23.98

Sample I.D.: S-22A Laboratory: (CalScience) Columbia Other ____

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

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:)	1.03	mg/L	Post-purge:	mg/L
O.R.P. (if req'd): (Pre-purge:)	553	mV	Post-purge:	mV

SHE WELL MONITORING DAT SHEET

BTS #: 100831-WW1	Site: 461 8th ST., OAKLAND, CA
Sampler: IW, (WW)	Date: 8/31/10
Well I.D.: S-22B	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 39.60	Depth to Water (DTW): 23.51
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]: 26.73	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other:_____

10.5 (Gals.) X 3 = 31.5 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^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or ~~uS~~)	Turbidity (NTUs)	Gals. Removed	Observations
1038	70.4	4.62	3420	144	10.5	DOUBLE CHECKED pH w/ 2nd ultrameter
1040	70.0	3.84	6660	464	21.0	
1042	70.6	3.70	6770	217	31.5	
~~1345~~ (GW)						

Did well dewater? Yes (No) Gallons actually evacuated: 31.5

Sampling Date: 8/31/10 Sampling Time: 1345 Depth to Water: 23.51 (2HR)

Sample I.D.: S-22B Laboratory: (CalScience) Columbia Other_____

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

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):	0.92 mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	(Pre-purge):	377 mV	Post-purge:	mV

SHE WELL MONITORING DAT SHEET

BTS #: 100831-WW1	Site: 461 8th ST., OAKLAND, CA
Sampler: (IW), WW	Date: 8/31/10
Well I.D.: S-23	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 34.70	Depth to Water (DTW): 23.95
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]: 26.10	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

7.0 (Gals.) X	3	= 21.0 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1155	71.2	3.24*	2035	202	7.0	* CHECKED PH AGAINST 2ND ULTRAMETER
1157	71.5	3.12	2931	165	14.0	
1159	71.3	3.08	2960	188	21.0	DTW = 28.03

Did well dewater? Yes (No) Gallons actually evacuated: 21.0

Sampling Date: 8/31/10 Sampling Time: 1210 Depth to Water: 25.59

Sample I.D.: S-23 Laboratory: (CalScience) Columbia Other_____

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

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):	1.25 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	(Pre-purge):	322 mV	Post-purge:		mV

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 461 8th ST., OAKLAND, CA Date 8/31/10

Job Number 100831 - WW1 Technician JW, WW 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	1 TAB STRIPPED
S-5	X	X							
S-6	X							X (10)	
S-8	X	X							
S-9	X	X							
S-10	X	X							
S-12	X							X	APRON HAS MINOR CRACKS
S-13	X (10)							X (10)	NO I.D. TAG
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		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 8/31/10

Job Number 100831-WW1 Technician IW, WW Page 2 of 2

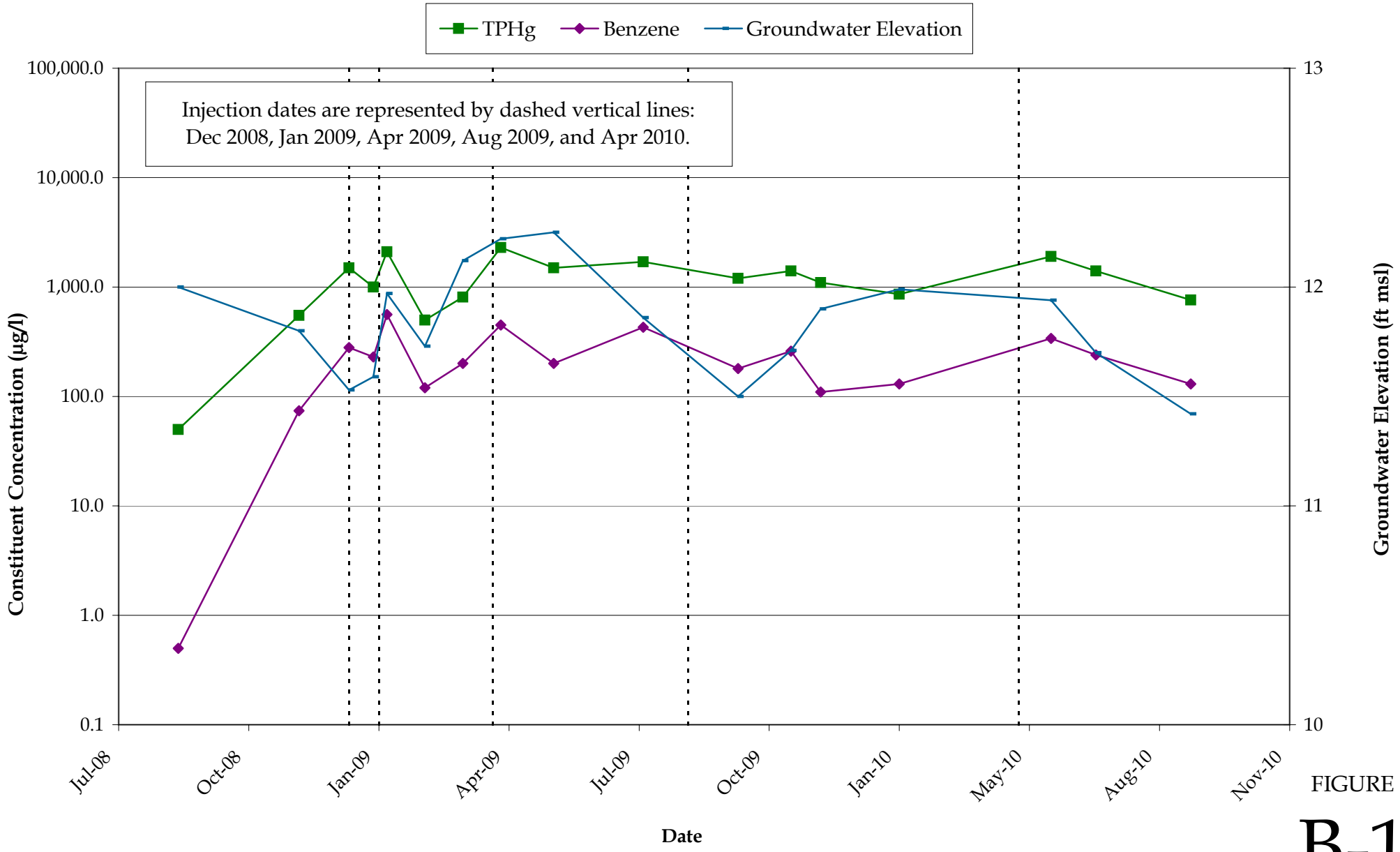
Well ID	Well Inspected - No Corrective Action Required	Well Box Meets Compliance Requirements *See Below	Water Bailed From Wellbox	Cap Replaced	Lock Replaced	Well Not Inspected (explain in notes)	New Deficiency Identified	Previously Identified Deficiency Persists	Notes
S-23	X	P							

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:

APPENDIX B

PETROLEUM HYDROCARBON CONCENTRATION TRENDS



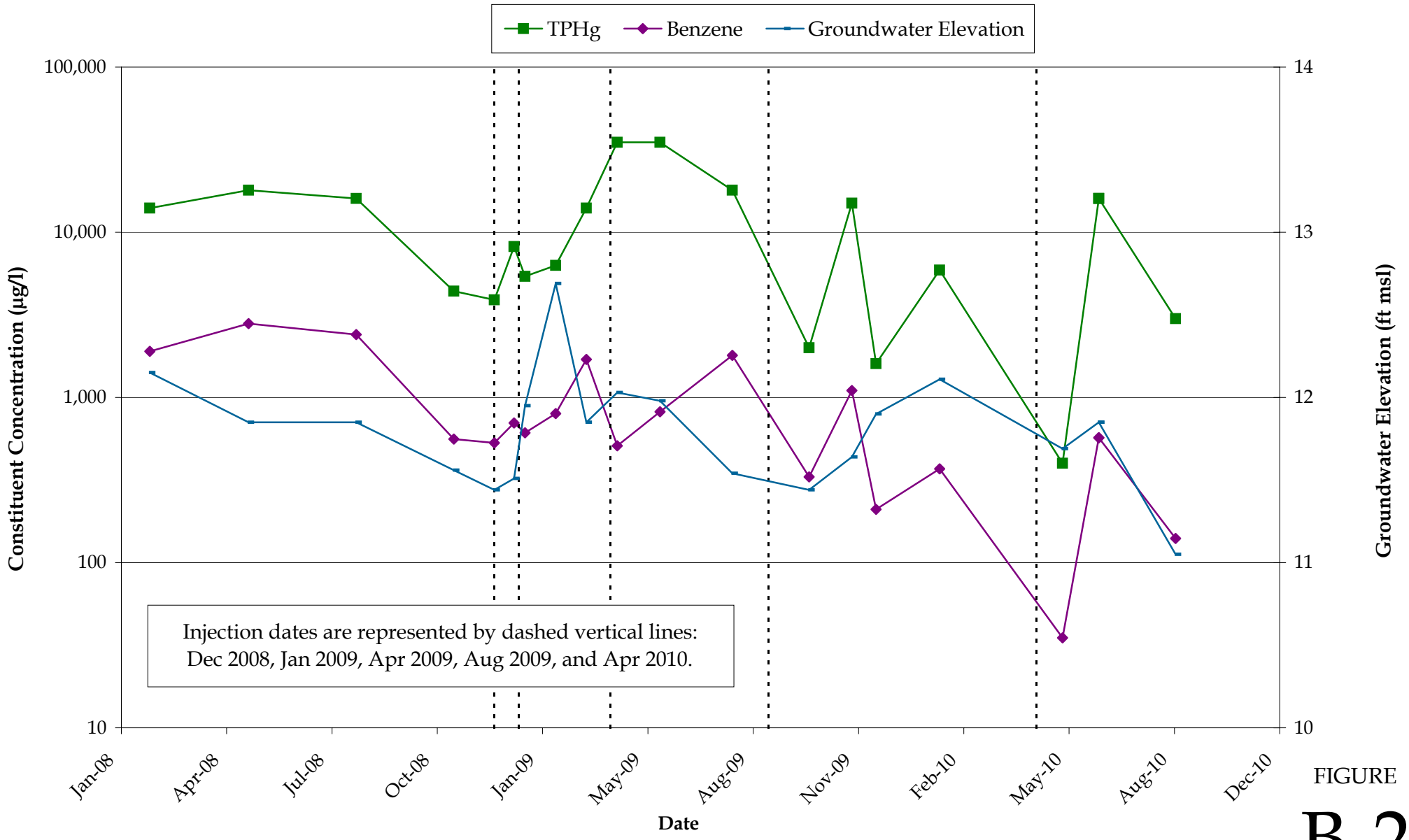
FIGURE

B-1

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

S-9:
Groundwater Concentrations and Elevations vs. Time



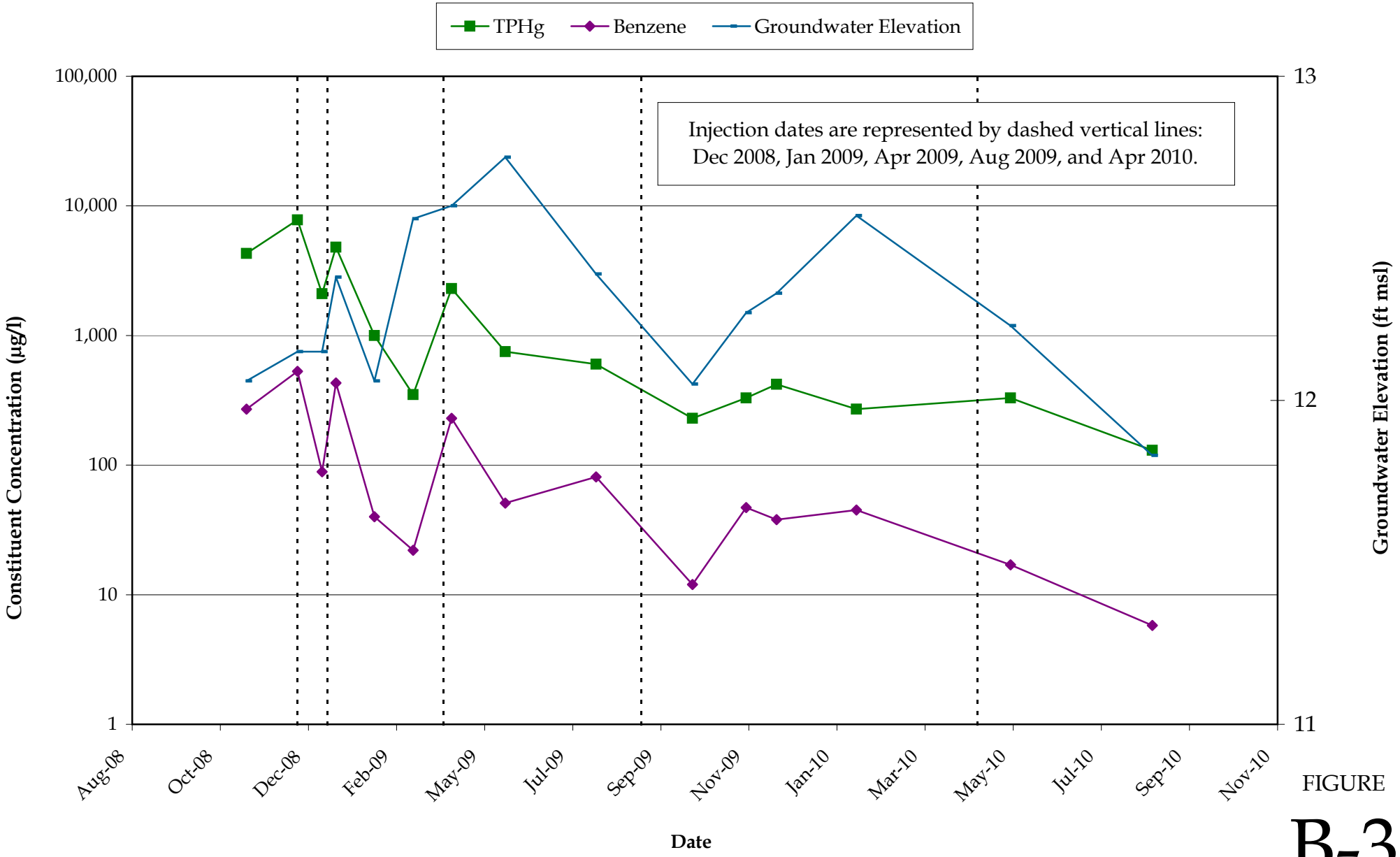
FIGURE

B-2

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

S-13:
Groundwater Concentrations and Elevations vs. Time



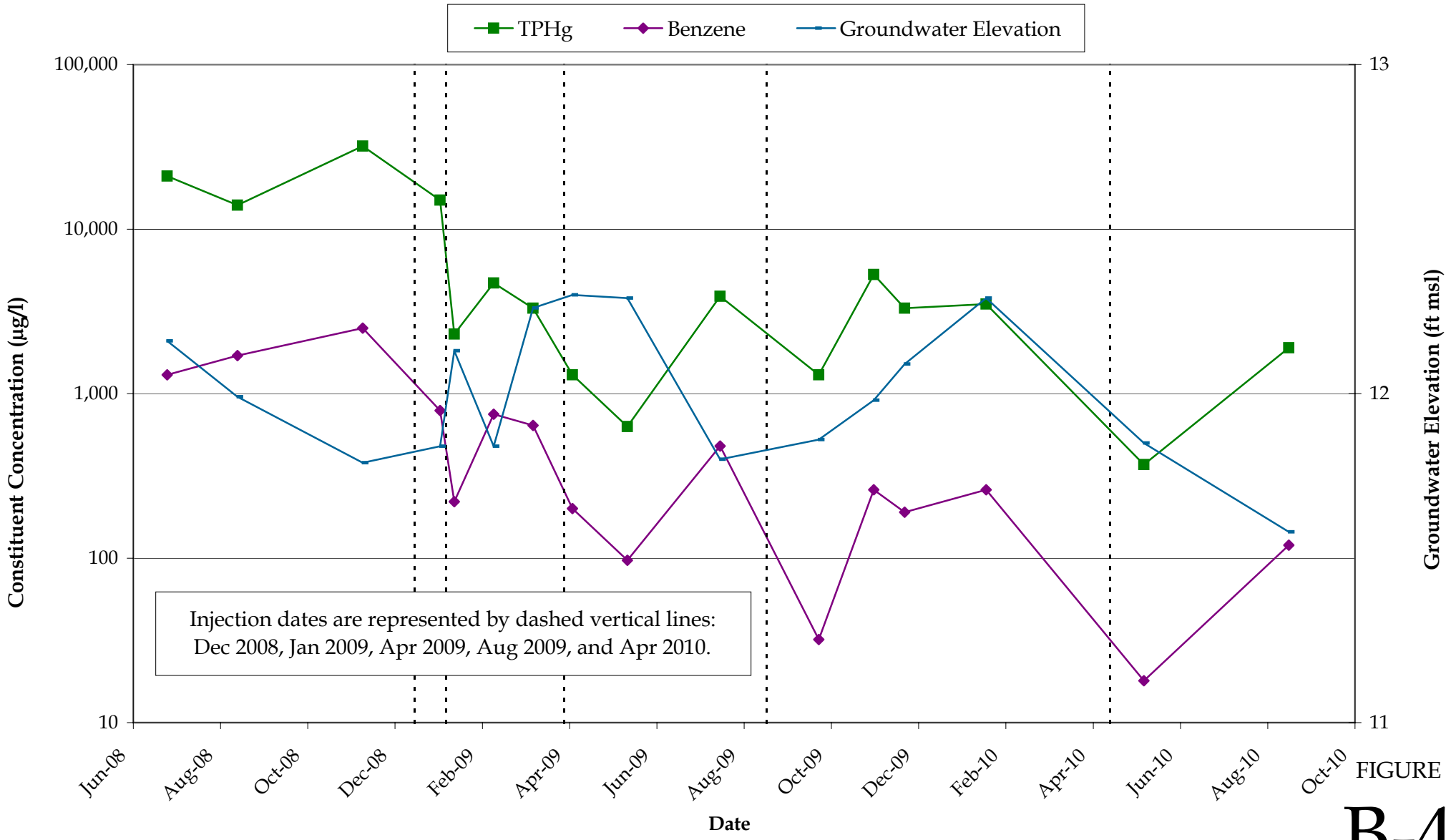
FIGURE

B-3

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

S-14R:
Groundwater Concentrations and Elevations vs. Time



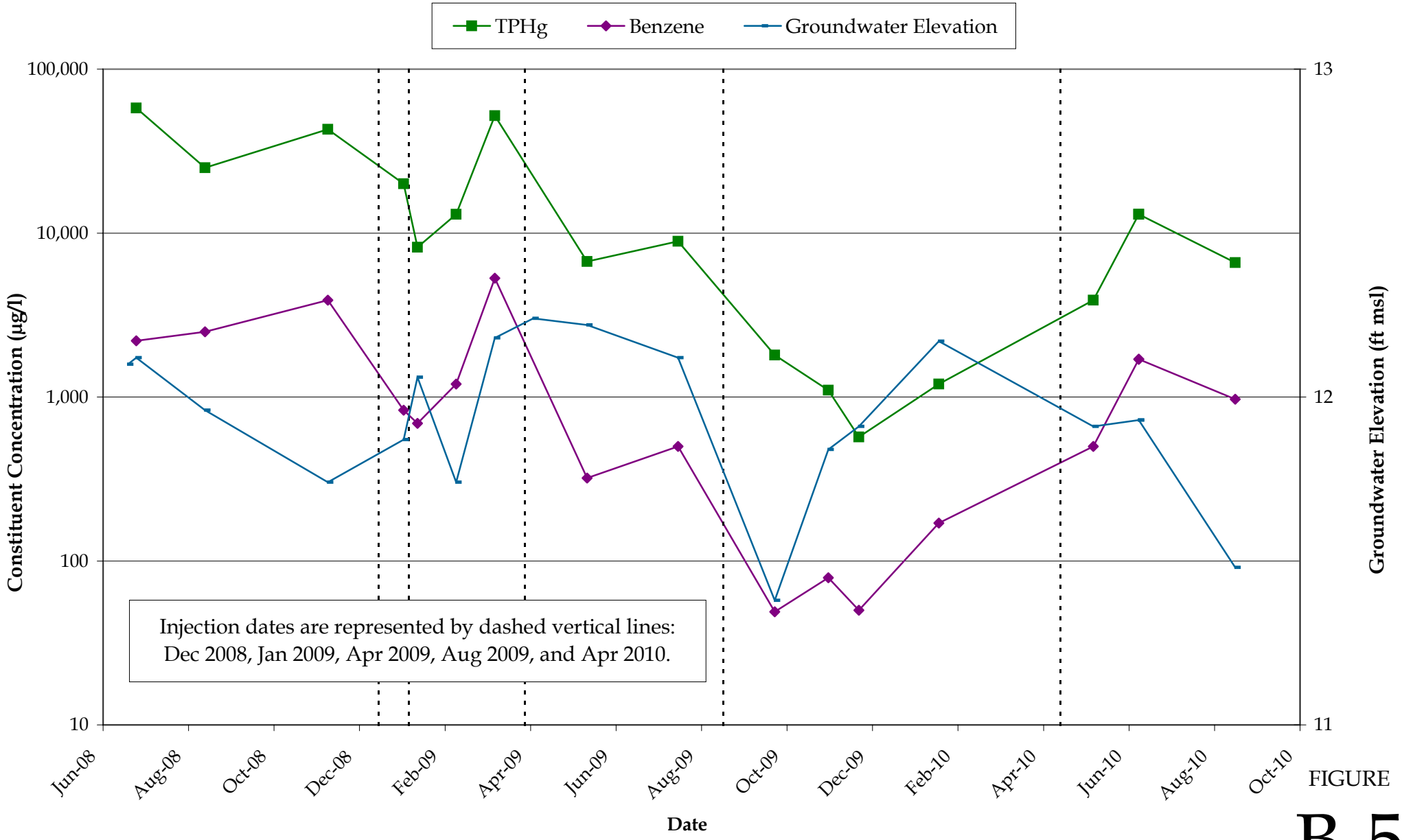
FIGURE

B-4

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

S-17:
Groundwater Concentrations and Elevations vs. Time



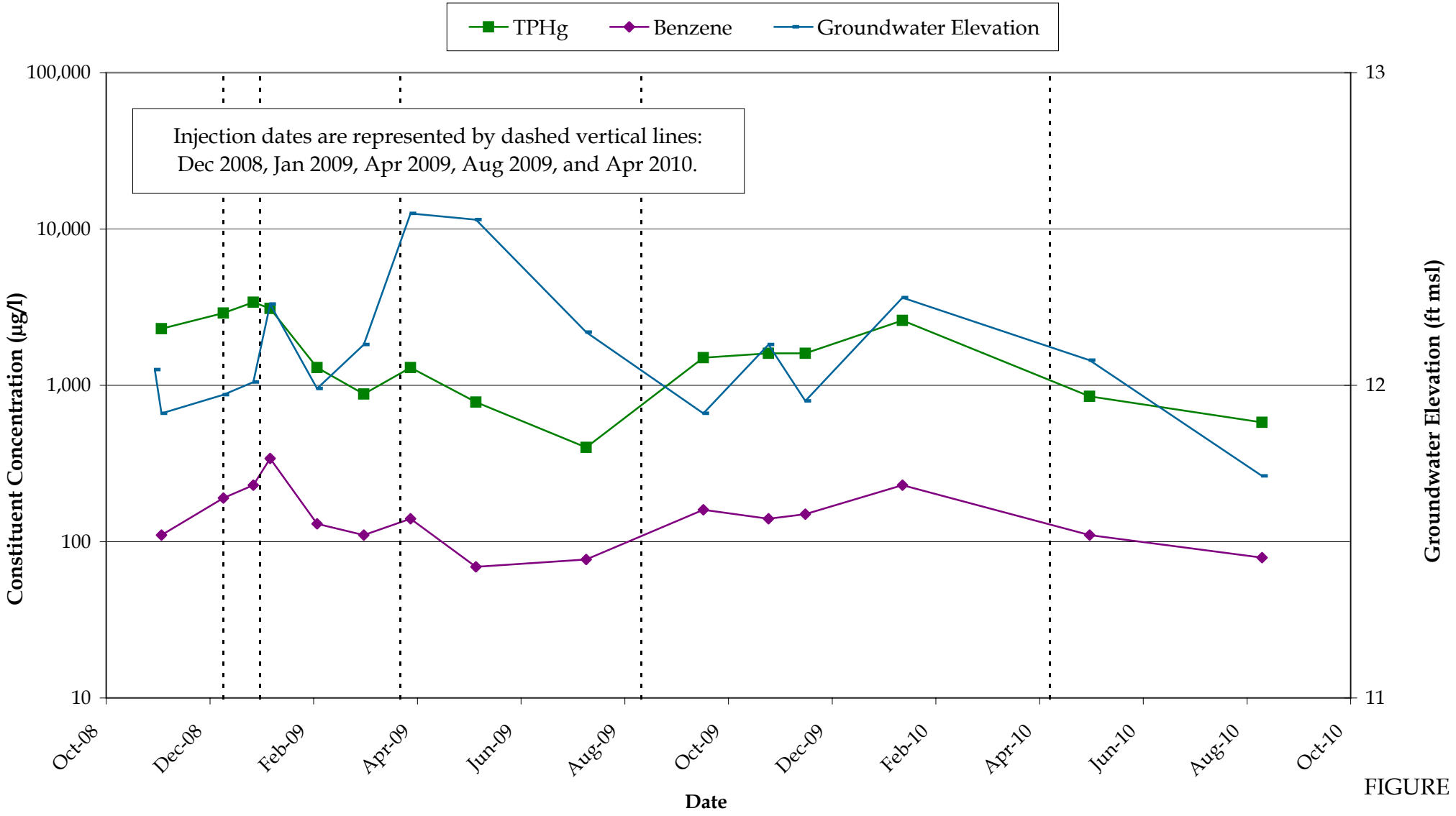
FIGURE

B-5

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

S-18:
Groundwater Concentrations and Elevations vs. Time



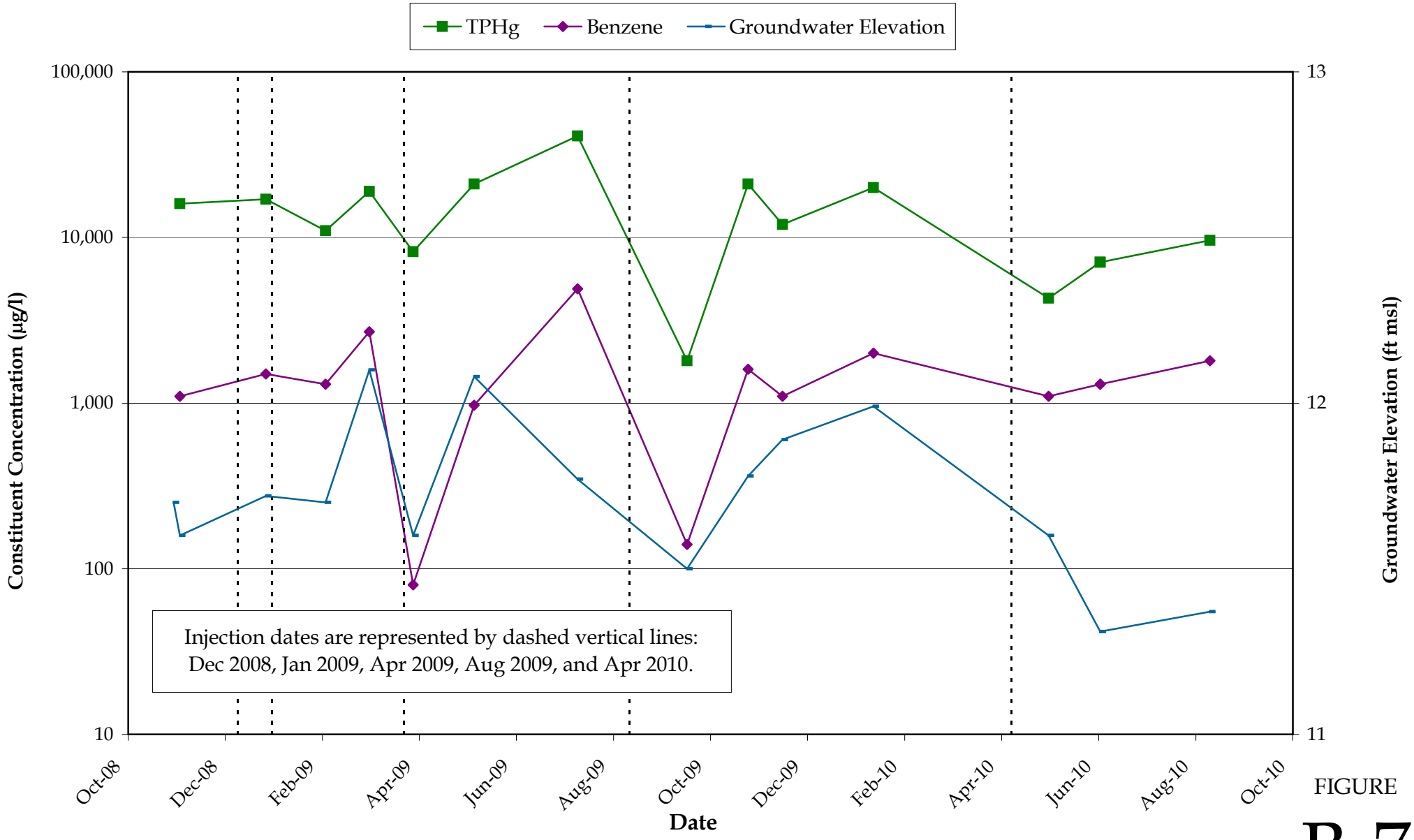
FIGURE

B-6

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

S-19:
Groundwater Concentrations and Elevations vs. Time



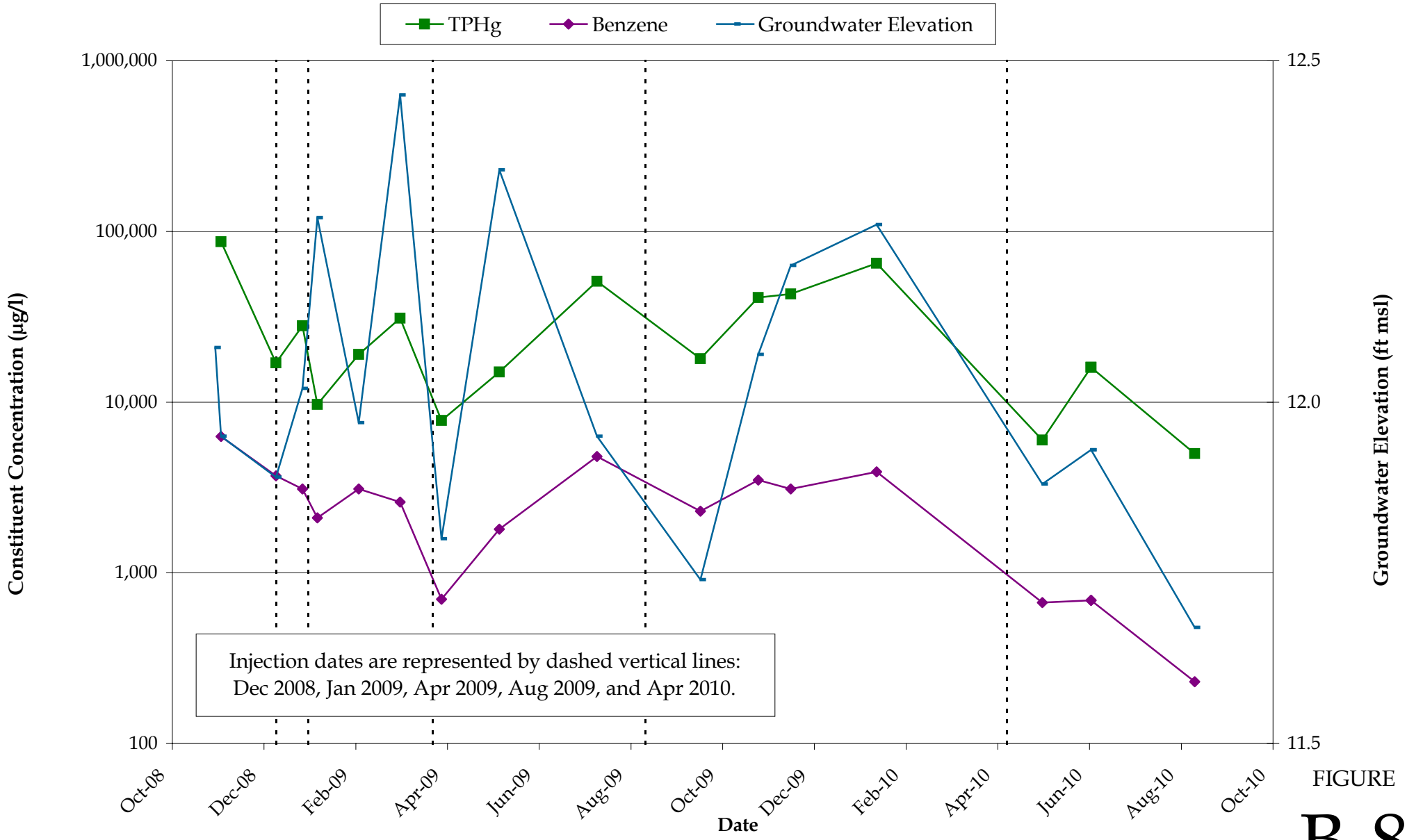
FIGURE

B-7

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

S-20:
Groundwater Concentrations and Elevations vs. Time



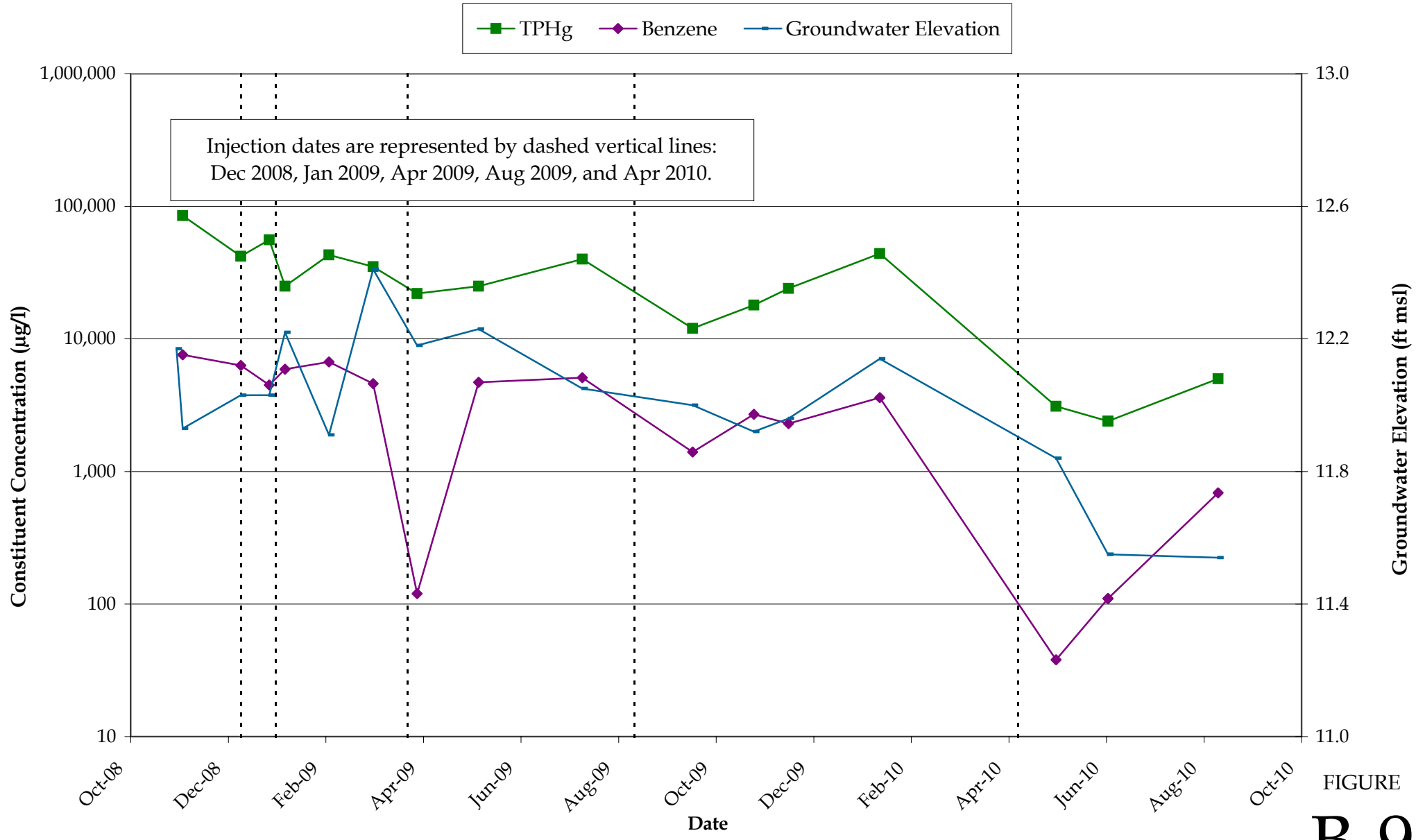
FIGURE

B-8

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

S-21A:
Groundwater Concentrations and Elevations vs. Time



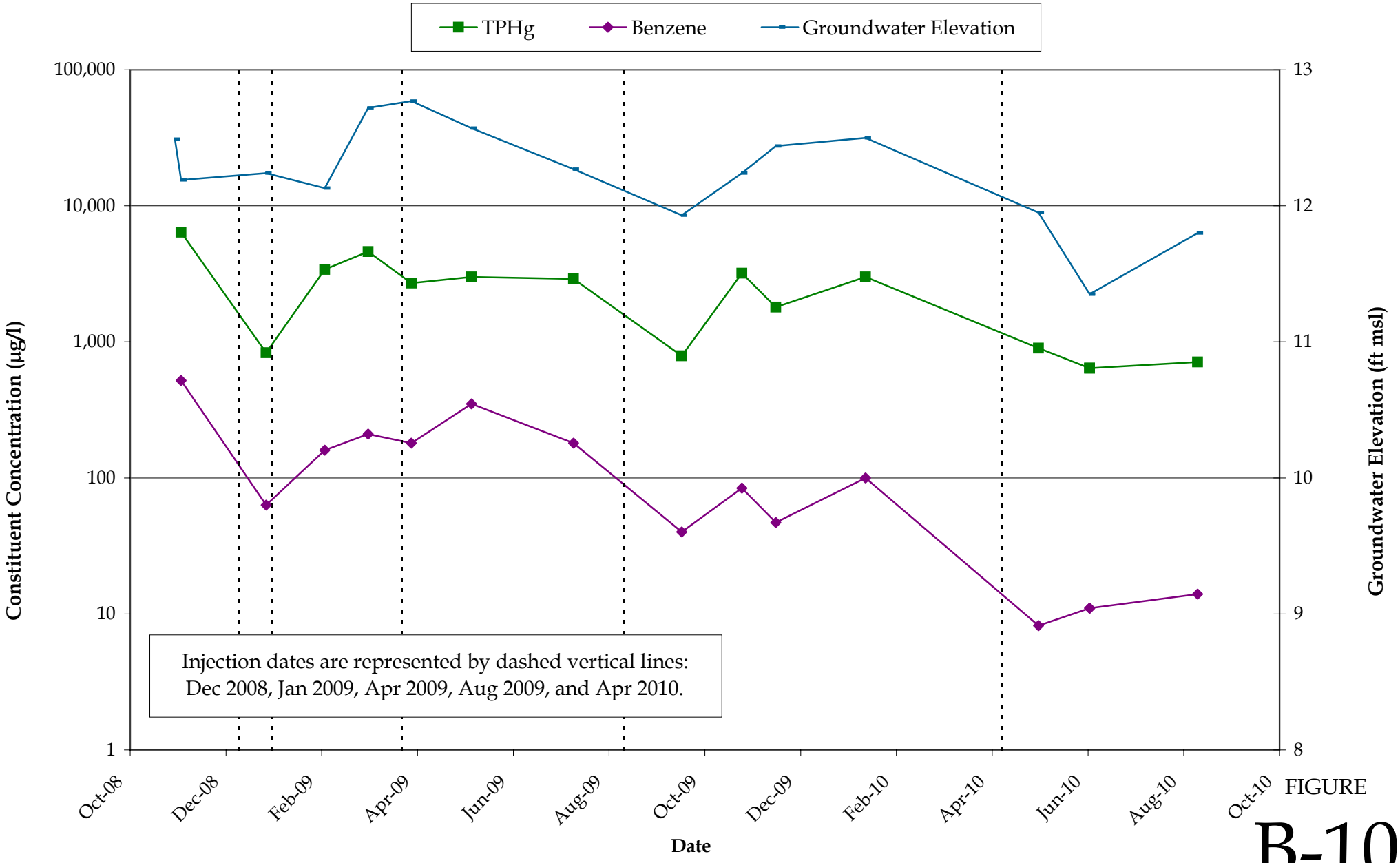
FIGURE

B-9

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

S-22A:
Groundwater Concentrations and Elevations vs. Time



FIGURE

B-10

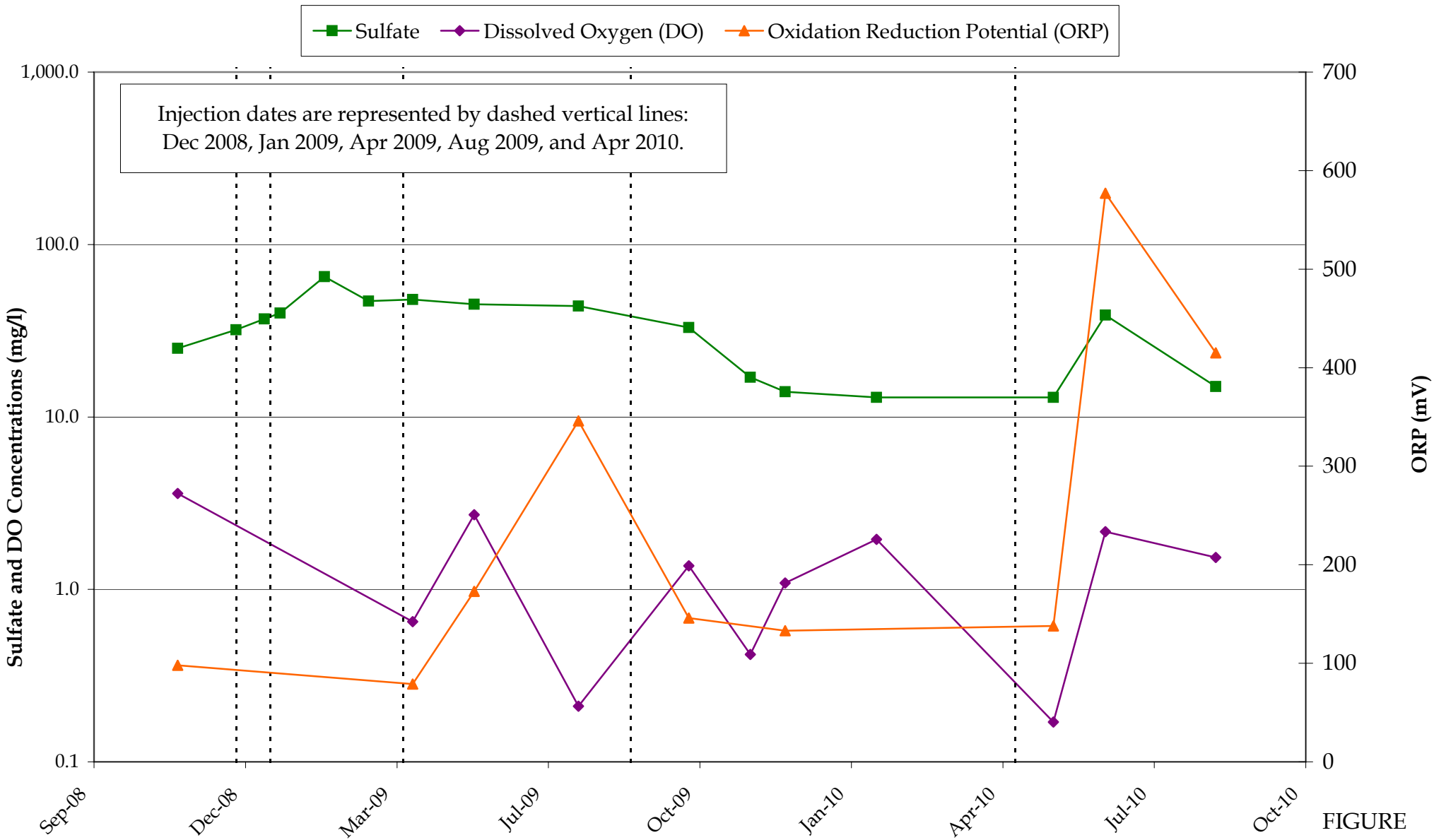
Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

S-23:
Groundwater Concentrations and Elevations vs. Time

APPENDIX C

SULFATE AND DO CONCENTRATIONS AND ORP MEASUREMENTS VERSUS TIME



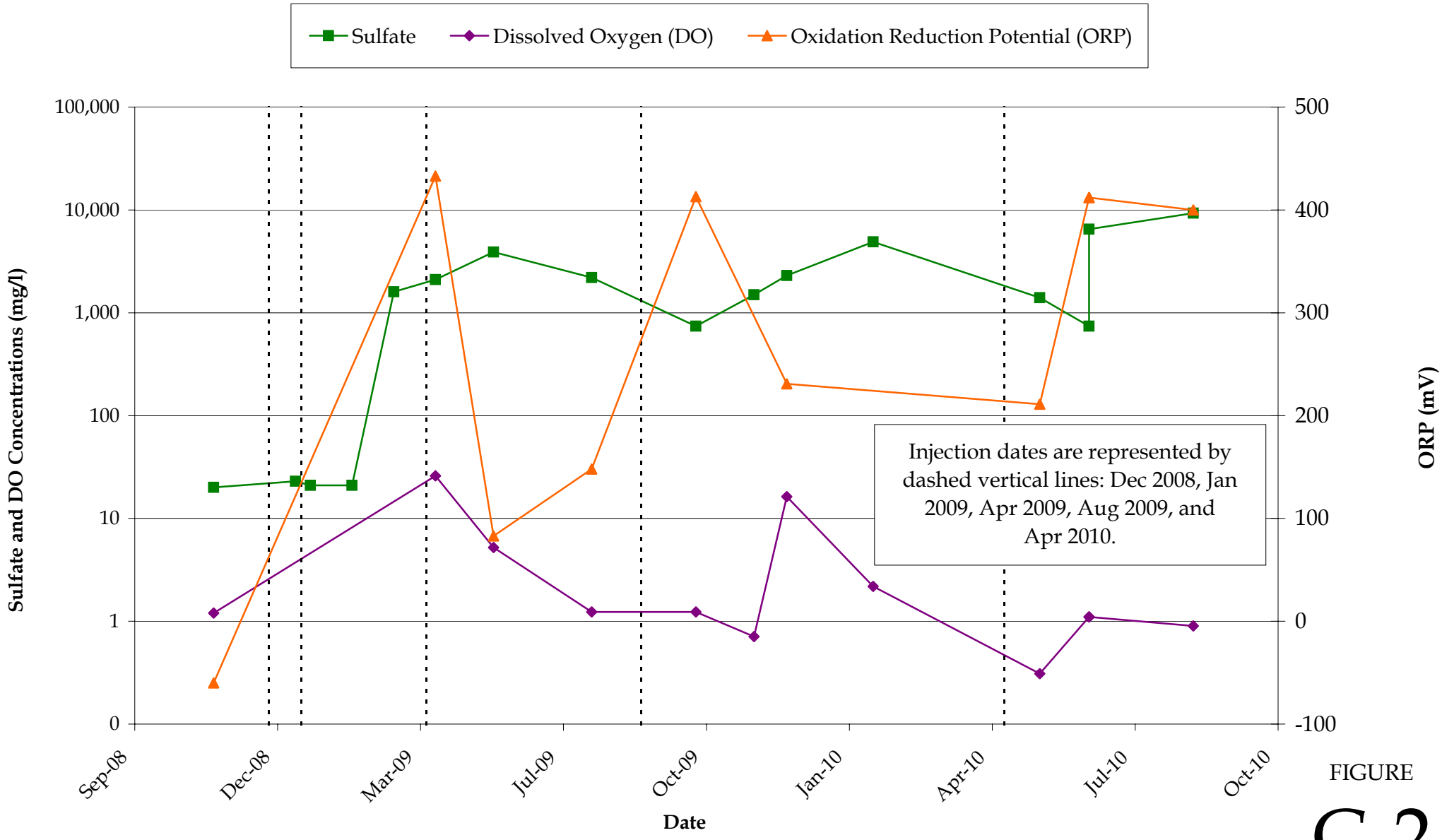
FIGURE

C-1

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

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



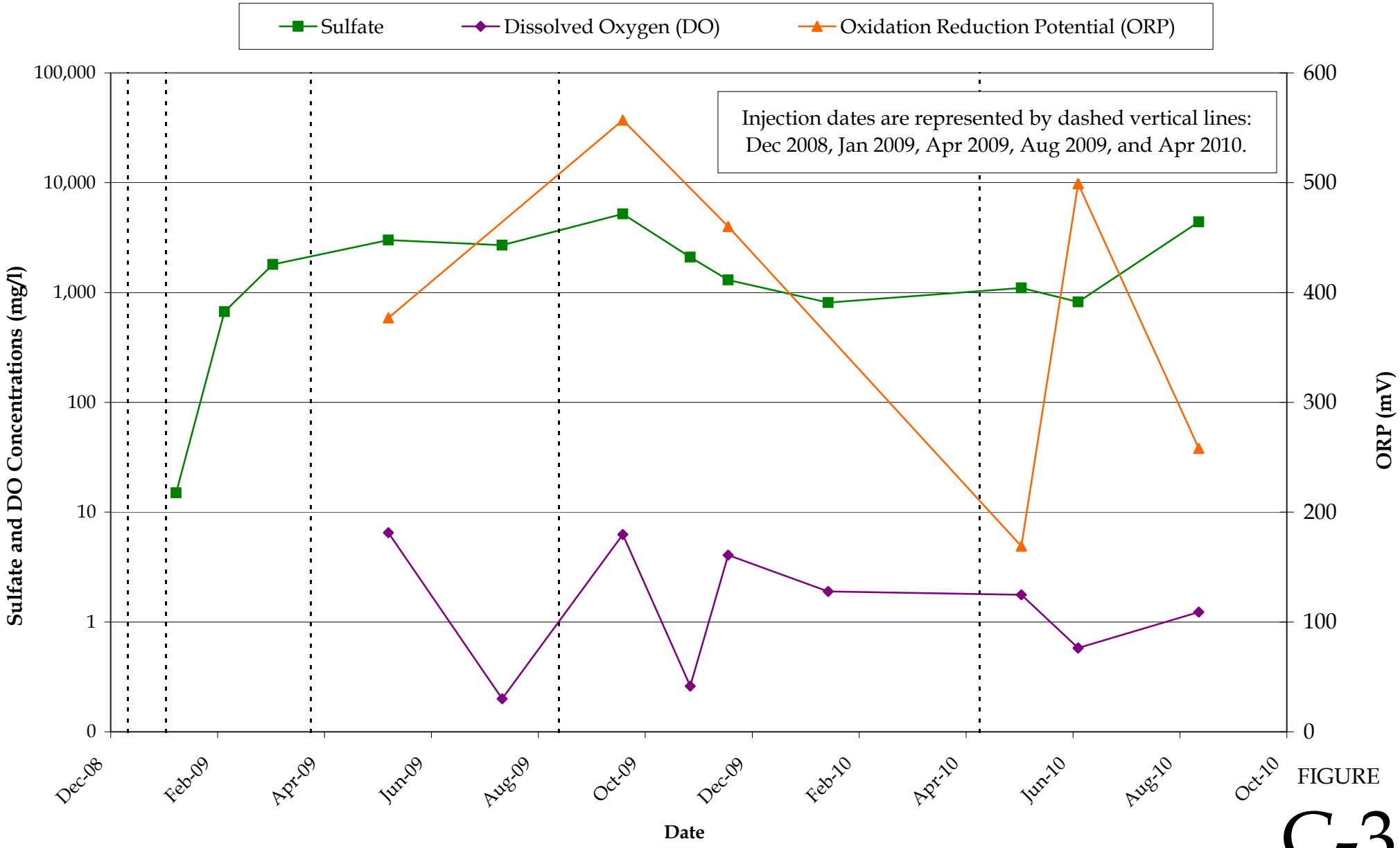
FIGURE

C-2

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

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



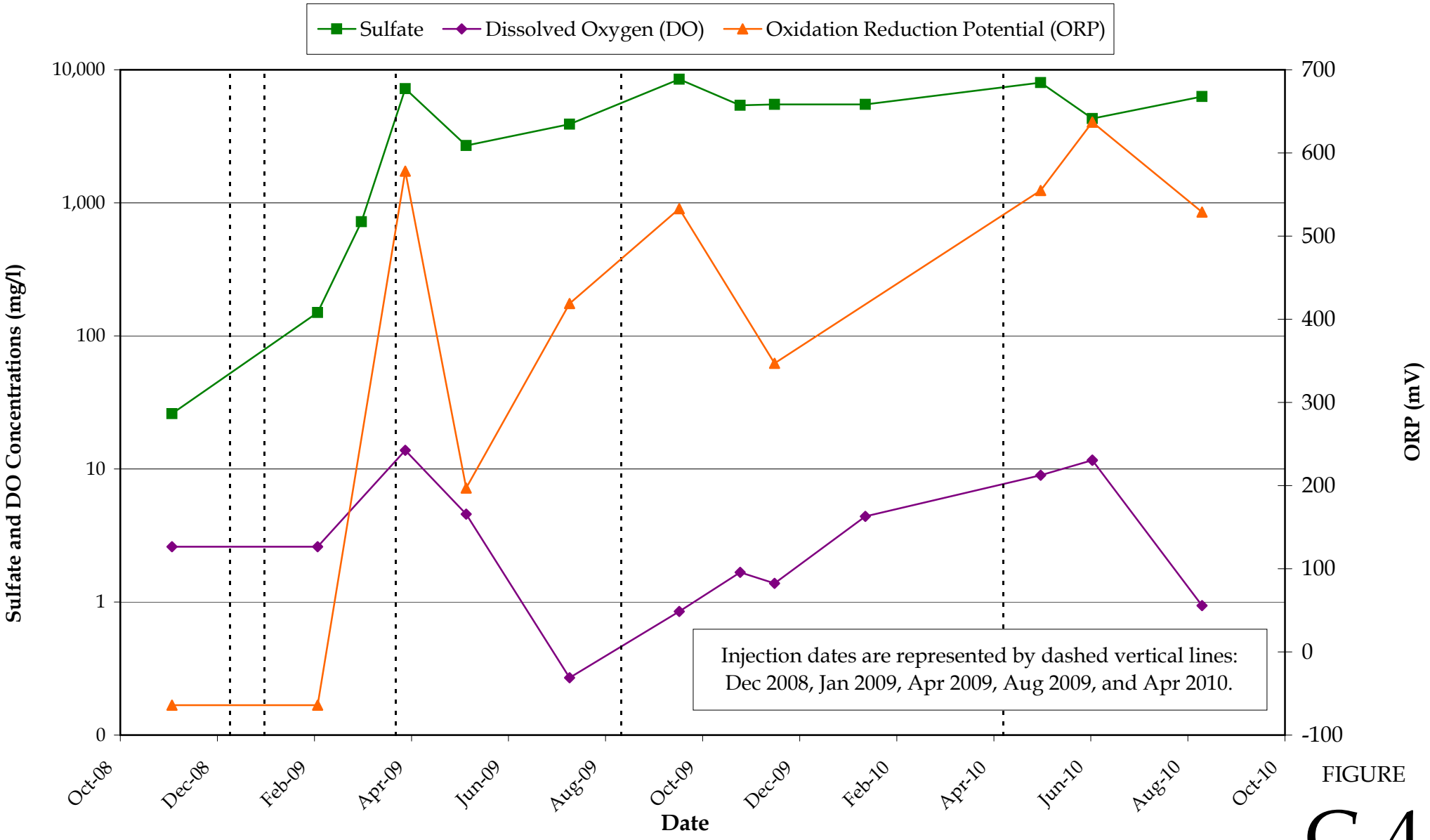
FIGURE

C-3

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

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



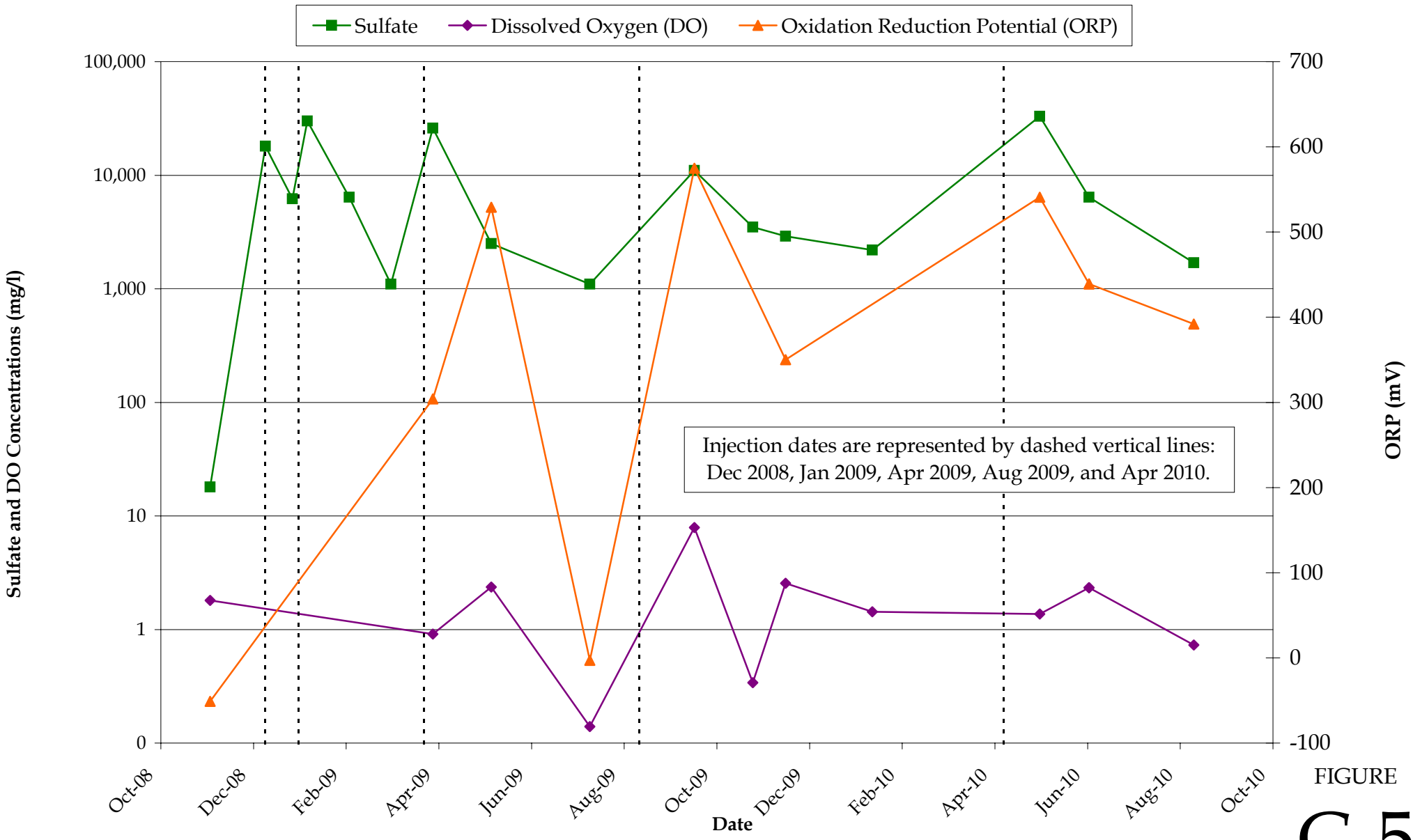
FIGURE

C-4

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

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



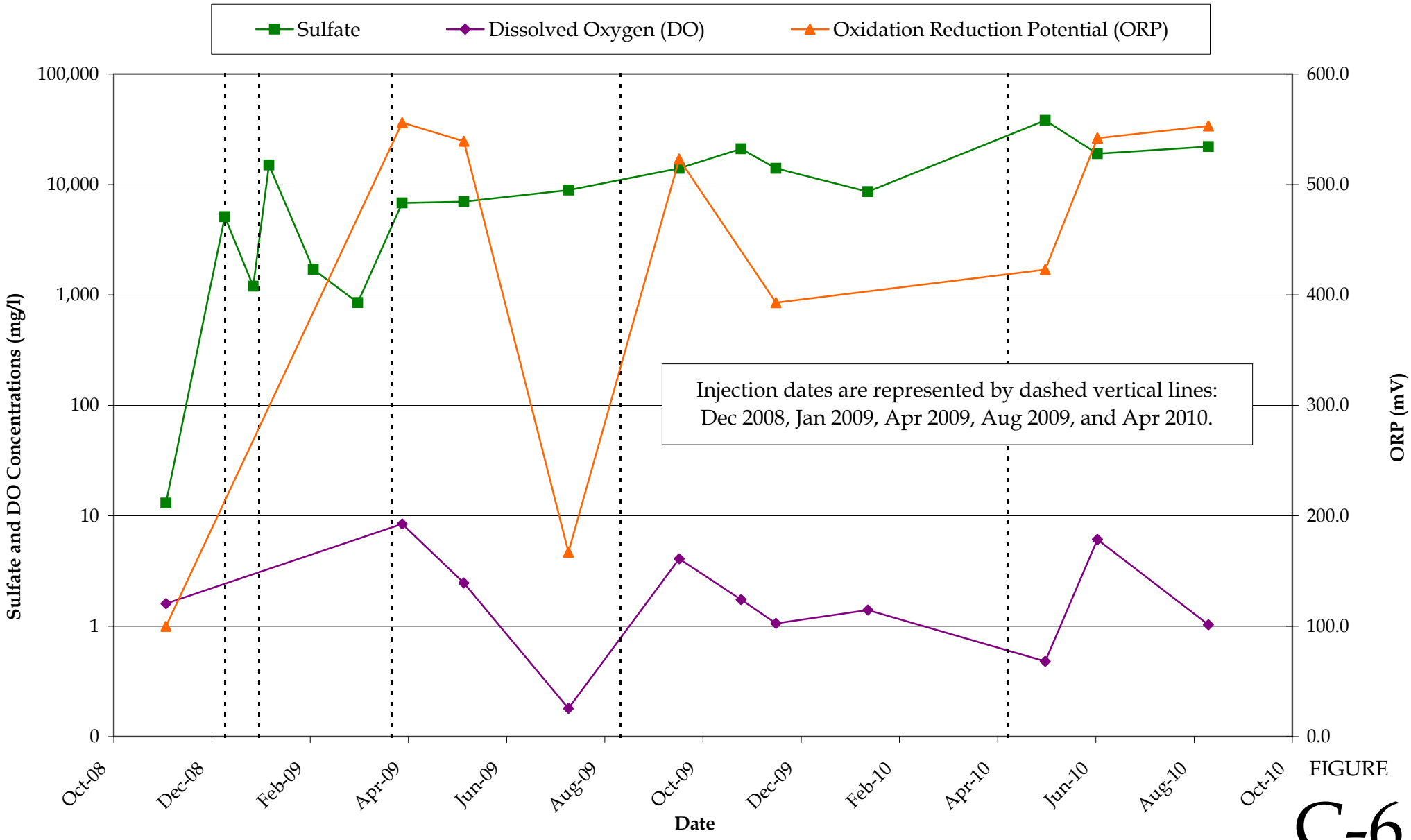
FIGURE

C-5

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

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



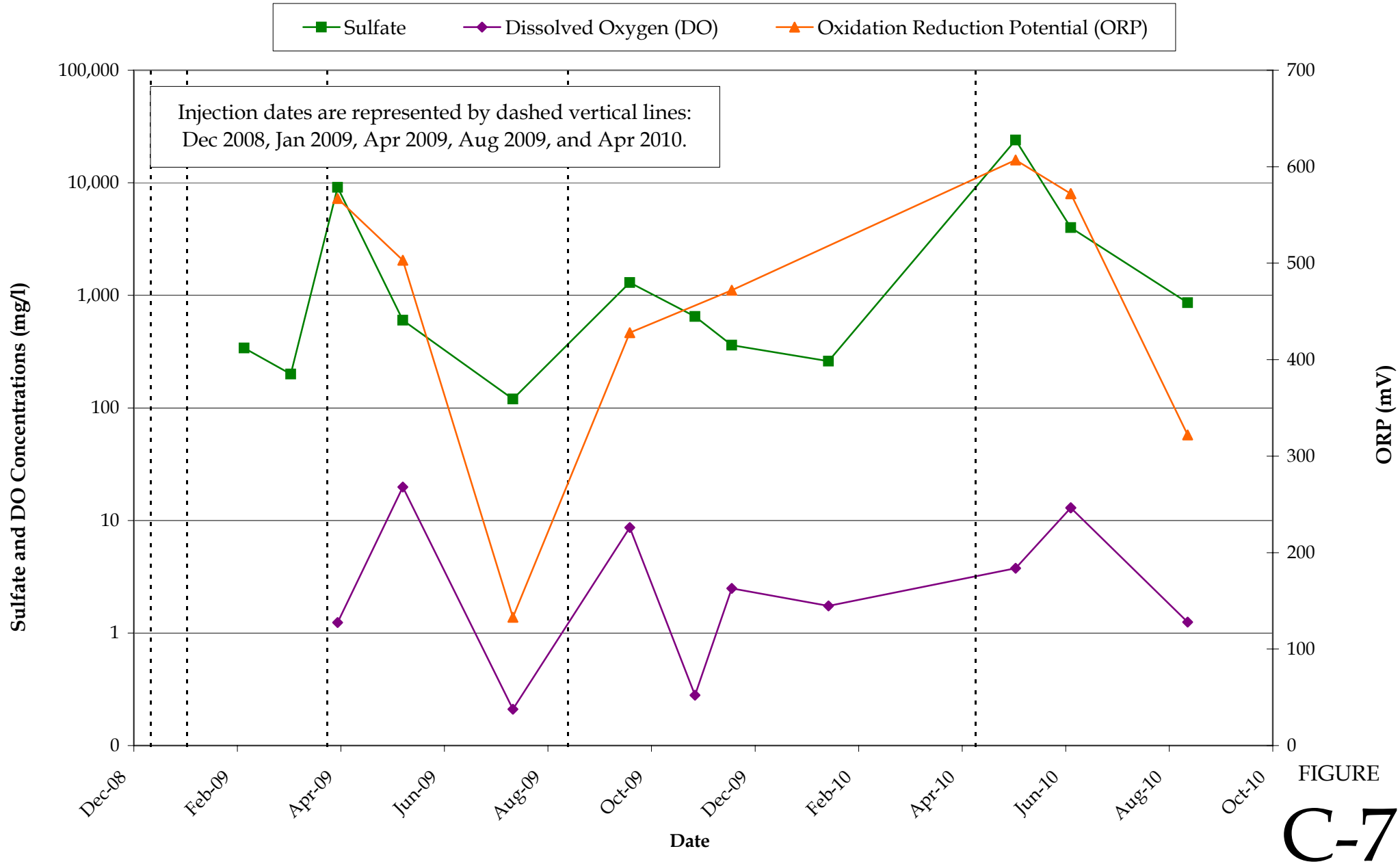
FIGURE

C-6

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

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

CONESTOGA-ROVERS & ASSOCIATES

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