



**CONESTOGA-ROVERS  
& ASSOCIATES**

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www.CRAworld.com

## TRANSMITTAL

DATE: November 14, 2008 REFERENCE NO.: 241507  
PROJECT NAME: 2800 Telegraph, Oakland

TO: Jerry Wickham  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

**RECEIVED**

1:50 pm, Nov 17, 2008

Alameda County  
Environmental Health

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 Prints

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QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report - Third Quarter 2008

As Requested  For Review and Comment  
 For Your Use  \_\_\_\_\_  
 \_\_\_\_\_

**COMMENTS:**  
If you have any questions regarding the contents of this document, please call Dennis Baertschi at (707) 268-3813.

Copy to: Denis Brown  
Harmon Management  
Corporation

Completed by: Dennis Baertschi Signed: Den Baertschi  
[Please Print]

Filing: **Correspondence File**



Jerry Wickham  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

**Denis L. Brown**  
**Shell Oil Products US**

HSE – Environmental Services  
20945 S. Wilmington Ave.  
Carson, CA 90810-1039  
Tel (707) 865 0251  
Fax (707) 865 2542

Email [denis.l.brown@shell.com](mailto:denis.l.brown@shell.com)

Re: Former Shell Service Station/Current KFC Restaurant  
2800 Telegraph Avenue  
Oakland, California  
SAP Code 129450  
Incident No. 97093398  
ACHCSA Case No. RO0000009

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.

If you have any questions or concerns, please call me at (707) 865-0251.

Sincerely,

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

Denis L. Brown  
Project Manager



## **GROUNDWATER MONITORING REPORT – THIRD QUARTER 2008**

**FORMER SHELL SERVICE STATION  
2800 TELEGRAPH AVENUE  
OAKLAND, CALIFORNIA**

**SAP CODE           129450  
INCIDENT NO.     97093398  
AGENCY NO.       RO0000009**

**NOVEMBER 14, 2008  
REF. NO. 241507 (1)**

This report is printed on recycled paper.

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

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Sonoma, California  
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REPORT

1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) in accordance with the quarterly reporting requirements of 23 CCR 2652d.

1.1 SITE INFORMATION

Site Address	2800 Telegraph Avenue, Oakland
Site Use	Former Shell Service Station
Shell Project Manager	Denis Brown
CRA Project Manager	Dennis Baertschi
Lead Agency and Contact	ACHCSA, Jerry Wickham
Agency Case No.	RO0000009
Shell SAP Code	129450
Shell Incident No.	97093398

Date of most recent agency correspondence was August 30, 2006.

## 2.0 SITE ACTIVITIES AND FINDINGS

### 2.1 CURRENT QUARTER'S ACTIVITIES

Blaine Tech Services, Inc. (Blaine) gauged and sampled the wells according to the established monitoring program for this site.

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

CRA prepared and submitted an October 29, 2008 *Risk Evaluation and Case Closure Request* for the site.

### 2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Southwesterly (based on gauging of site wells from 2Q89 to 3Q03)
Hydraulic Gradient	NA
Depth to Water	21.67 to 23.31 feet below top of well casing

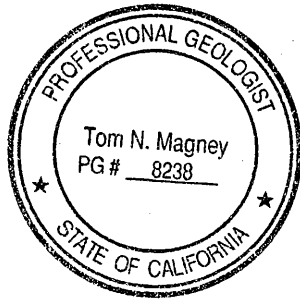
### 2.3 PROPOSED ACTIVITIES FOR NEXT QUARTER

Blaine will gauge and sample wells according to the established monitoring program for this site, and CRA will prepare a report.

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

*Dennis Baertschi*  
for Dennis Baertschi  
Project Manager

*Ana Friel*  
for Ana Friel, PG  
Professional Geologist





## FIGURES

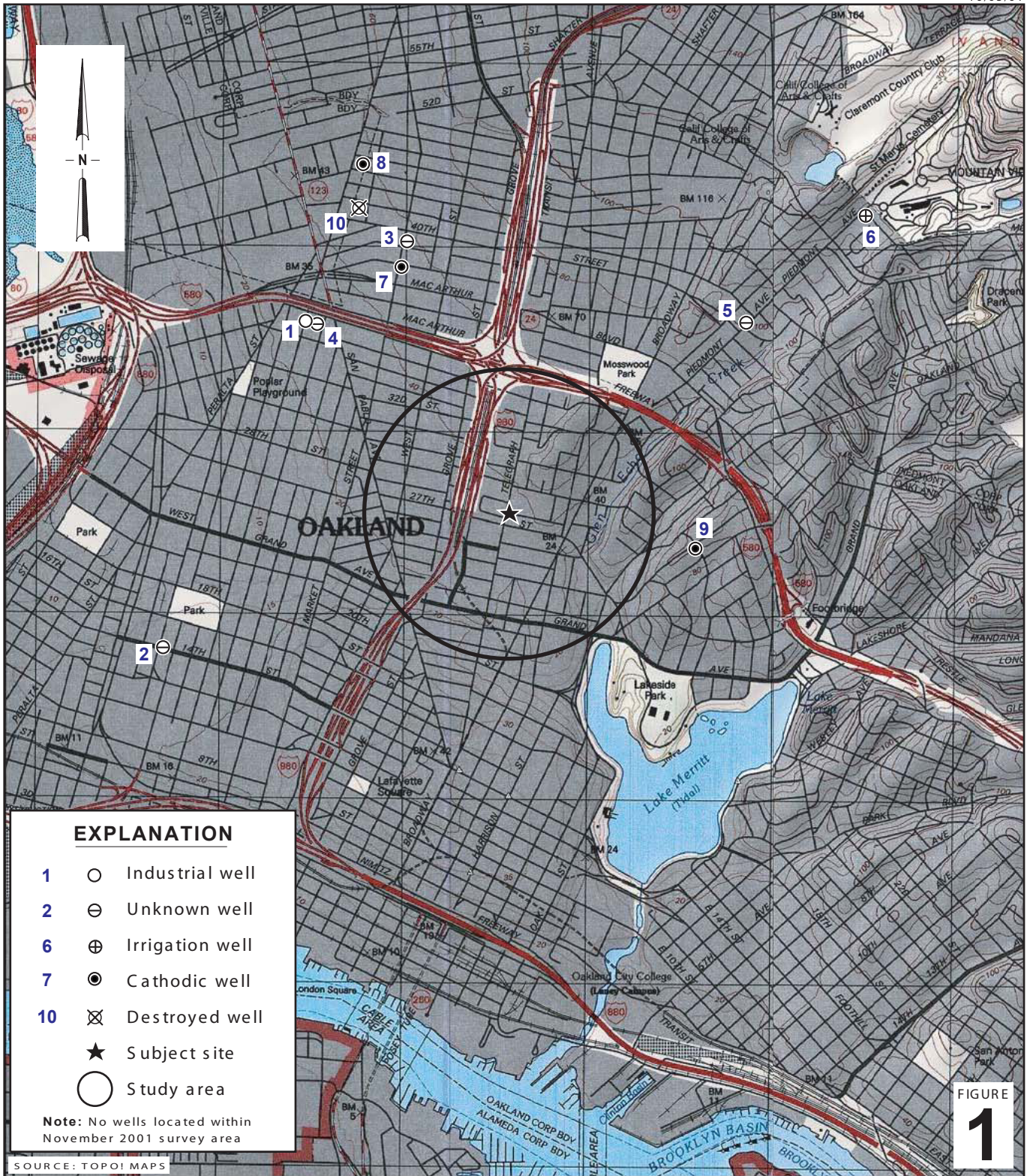


FIGURE 1

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

**Former Shell Service Station /  
Current KFC Restaurant**  
2800 Telegraph Avenue  
Oakland, California



**Vicinity Map**  
(1/2 Mile Radius)

1507

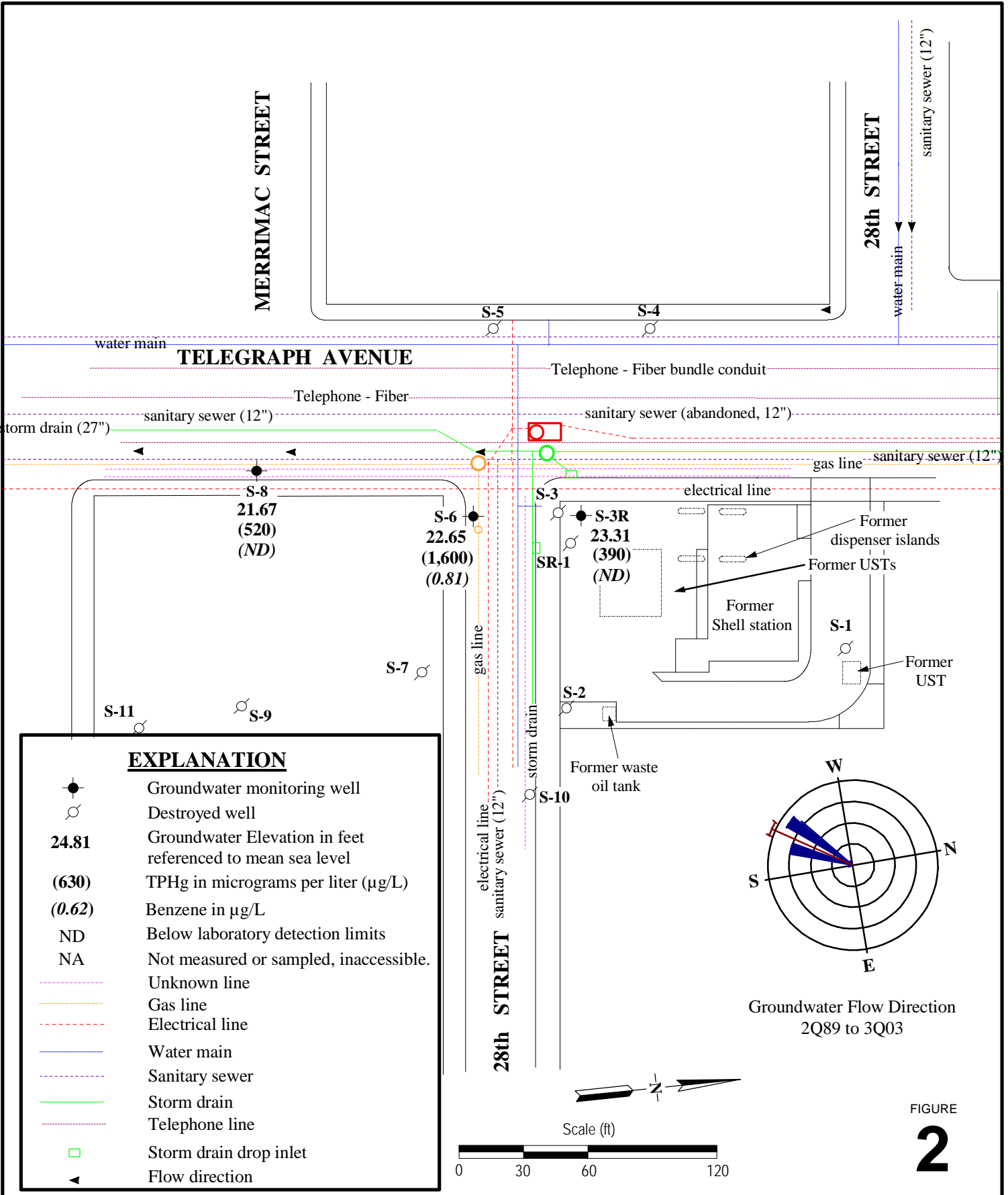


FIGURE  
**2**

**Former Shell Service Station**

2800 Telegraph Avenue  
Oakland, California



CONESTOGA-ROVERS  
& ASSOCIATES

**Groundwater Contour and  
Chemical Concentration Map**

September 19 and October 1, 2008

APPENDIX A

BLAINE TECH SERVICES, INC. -  
GROUNDWATER MONITORING REPORT

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# BLAINE

TECH SERVICES INC.

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GROUNDWATER SAMPLING SPECIALISTS  
SINCE 1985

October 16, 2008

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

Third Quarter 2008 Groundwater Monitoring at  
Former Shell Service Station  
2800 Telegraph Avenue  
Oakland, CA

Monitoring performed on September 19 and October 01,  
2008

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## Groundwater Monitoring Report **081001-MT-2**

This report covers the routine monitoring of groundwater wells at this former Shell 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/tm

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

cc: Dennis Baertschi  
Conestoga-Rovers & Associates  
19449 Riverside Dr., Suite 230  
Sonoma, CA 95476

**WELL CONCENTRATIONS**  
**Former Shell Service Station**  
**2800 Telegraph Avenue**  
**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)	1,2- DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-1	5/4/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.50	25.81	NA
S-1	8/10/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	10.85	24.46	NA
S-1	11/9/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	10.34	24.97	NA
S-1	2/23/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	7.60	27.71	NA
S-1	6/7/1993	<50	2.8	1.3	0.7	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.63	26.68	NA
S-1	8/13/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.20	26.11	NA
S-1	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	10.58	24.73	NA
S-1	2/10/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.41	26.90	NA
S-1	5/3/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.09	26.22	NA
S-1	8/1/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.81	26.50	NA
S-1	11/8/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.32	25.99	NA
S-1	2/3/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	6.98	28.33	NA
S-1	8/2/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.35	25.96	NA
S-1	2/2/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	7.45	27.86	NA
S-1	5/4/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.91	26.40	NA
S-1	8/2/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.33	25.98	NA
S-1	10/2/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	10.11	25.20	NA
S-1	1/8/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	7.93	27.38	NA
S-1	4/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.94	26.37	NA
S-1	7/1/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.55	25.76	NA
S-1	10/7/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.43	25.88	NA
S-1	1/7/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.21	27.10	NA
S-1	4/2/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.27	27.04	NA
S-1	7/2/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.97	26.34	NA
S-1	10/1/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.89	25.42	NA
S-1	1/12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.45	26.86	NA
S-1	4/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.04	26.27	NA
S-1	7/9/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.11	26.20	NA

**WELL CONCENTRATIONS**  
**Former Shell Service Station**  
**2800 Telegraph Avenue**  
**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)	1,2- DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
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S-1	10/6/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.00	26.31	NA
S-1	3/7/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	7.31	28.00	NA
S-1	6/1/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.85	26.46	NA
S-1	9/8/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.50	25.81	NA
S-1	11/29/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	10.16	25.15	NA
S-1	3/9/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.16	27.15	NA
S-1	9/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.09	8.74	26.35	NA
S-1	9/29/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	35.09	8.79	26.30	NA
S-1	11/20/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	35.09	8.43	26.66	NA
S-1	2/4/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	35.09	7.34	27.75	NA
S-1	4/21/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	35.09	8.23	26.86	NA
S-1	8/12/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	35.09	9.46	25.63	NA
S-1	11/17/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	35.09	8.42	26.67	NA
S-1	2/8/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	35.09	8.28	26.81	NA
S-1	5/13/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	35.09	7.80	27.29	NA

S-2	5/4/1992	1600	190	6.0	240	54	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.91	9.44	24.47	NA
S-2	8/10/1992	<50	4.1	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.91	10.73	23.18	NA
S-2	9/11/1992	84	19	0.7	2.2	4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.91	NA	NA	NA
S-2	11/9/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.91	10.29	23.62	NA
S-2	2/23/1993	16000	1600	480	850	1800	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.91	9.04	24.87	NA
S-2	4/8/1993	Well destroyed		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

S-3	5/4/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.56	9.22	24.34	NA
S-3	8/10/1992	Well paved over		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

S-3R	3/13/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.65	4.50	28.15	NA
S-3R	3/17/2006	6930	1.99	7.79	126	90.2	NA	<0.500	NA	NA	NA	NA	NA	NA	NA	32.65	4.28	28.37	NA



**WELL CONCENTRATIONS**  
**Former Shell Service Station**  
**2800 Telegraph Avenue**  
**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)	1,2- DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
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S-3R	7/6/2006	525	<0.500	<0.500	5.67	3.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.65	4.01	28.64	NA
S-3R	9/25/2006	630	0.62	1.0	4.5	4.5	NA	<1.0	<1.0	<1.0	<1.0	<10	NA	NA	NA	32.65	7.84	24.81	NA
S-3R	11/30/2006	580	<0.50	0.57	2.8	1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.65	7.90	24.75	NA
S-3R	3/21/2007	470	<2.0	<2.0	4.5	2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.65	6.11	26.54	NA
S-3R	6/28/2007	280 d	0.17 e	0.35 e	1.6	0.74 e	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.65	8.11	24.54	NA
S-3R	9/17/2007	120 d	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	NA	32.65	8.85	23.80	NA
S-3R	11/29/2007	Well inaccessible			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.65	NA	NA	NA
S-3R	3/25/2008	490	<0.50	<1.0	1.9	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.65	7.50	25.15	NA
S-3R	5/28/2008	450	<0.50	<1.0	1.1	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.65	7.83	24.82	NA
<b>S-3R</b>	<b>9/19/2008</b>	<b>Well inaccessible</b>			<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>32.65</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
<b>S-3R</b>	<b>10/1/2008</b>	<b>390</b>	<b>&lt;0.50</b>	<b>&lt;1.0</b>	<b>&lt;1.0</b>	<b>&lt;1.0</b>	<b>NA</b>	<b>&lt;1.0</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>&lt;10</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>32.65</b>	<b>9.34</b>	<b>23.31</b>	<b>NA</b>

S-4	5/4/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.96	24.12	NA
S-4	8/10/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	11.32	22.76	NA
S-4	11/9/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	11.29	22.79	NA
S-4	2/23/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.82	24.26	NA
S-4	6/7/1993	50	9.2	5.5	3.3	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.51	23.57	NA
S-4	8/13/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	11.05	23.03	NA
S-4	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	11.34	22.74	NA
S-4	2/10/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.93	24.15	NA
S-4	5/3/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.40	23.68	NA
S-4	8/1/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.68	23.40	NA
S-4	11/8/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.44	24.64	NA
S-4	2/3/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.18	24.90	NA
S-4	8/2/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.62	23.46	NA
S-4	2/2/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.23	24.85	NA
S-4	5/4/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.37	23.71	NA
S-4	8/2/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.69	23.39	NA

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S-4	10/2/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.96	23.12	NA
S-4	1/8/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.37	24.71	NA
S-4	4/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.25	23.83	NA
S-4	7/1/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.60	23.48	NA
S-4	10/7/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.52	23.56	NA
S-4	1/7/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.79	24.29	NA
S-4	4/2/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.56	24.52	NA
S-4	7/2/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.51	23.57	NA
S-4	10/1/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	11.01	23.07	NA
S-4	1/12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.53	23.55	NA
S-4	4/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.73	24.35	NA
S-4	7/9/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.48	23.60	NA
S-4	10/6/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.67	23.41	NA
S-4	3/7/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	8.99	25.09	NA
S-4	6/1/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.31	23.77	NA
S-4	9/8/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.77	23.31	NA
S-4	11/29/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.97	23.11	NA
S-4	3/9/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	34.08	8.21	25.87	NA
S-4	9/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.01	10.23	23.78	NA
S-4	9/29/2003	<50	<0.50	<0.50	1.9	2.6	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	34.01	10.42	23.59	NA
S-4	11/20/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	34.01	10.14	23.87	NA
S-4	2/4/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	34.01	9.41	24.60	NA
S-4	4/21/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	34.01	9.84	24.17	NA
S-4	8/12/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	34.01	10.50	23.51	NA
S-4	11/17/2004	<50 c	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	34.01	9.83	24.18	NA
S-4	2/8/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	34.01	9.40	24.61	NA
S-4	5/13/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	34.01	8.90	25.11	NA

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S-5	5/4/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.27	23.15	NA
S-5	8/10/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.68	22.74	NA
S-5	11/9/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.69	22.73	NA
S-5	2/23/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.45	23.97	NA
S-5	6/7/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.23	23.19	NA
S-5	8/13/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.58	22.84	NA
S-5	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.70	22.72	NA
S-5	2/10/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.75	23.67	NA
S-5	5/3/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.19	23.23	NA
S-5	8/1/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.30	23.12	NA
S-5	11/8/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.64	23.78	NA
S-5	2/3/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.59	23.83	NA
S-5	8/2/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.23	23.90	NA
S-5	2/2/1996	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.51	23.91	NA
S-5	5/4/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.15	23.27	NA
S-5	8/2/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.30	23.12	NA
S-5	10/2/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.54	22.88	NA
S-5	1/8/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.56	23.86	NA
S-5	4/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.03	23.39	NA
S-5	7/1/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.23	23.19	NA
S-5	10/7/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.25	23.17	NA
S-5	1/7/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.83	23.59	NA
S-5	4/2/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.73	23.69	NA
S-5	7/2/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.04	23.38	NA
S-5	10/1/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.91	22.51	NA
S-5	1/12/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.80	23.62	NA
S-5	4/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.09	24.33	NA

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S-5	7/9/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.05	23.37	NA
S-5	10/6/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.30	23.12	NA
S-5	3/7/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.11	24.31	NA
S-5	6/1/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.11	23.31	NA
S-5	9/8/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.37	23.05	NA
S-5	11/29/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.56	22.86	NA
S-5	3/9/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	33.42	7.93	25.49	NA
S-5	9/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.26	9.87	23.39	NA
S-5	9/29/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	33.26	10.02	23.24	NA
S-5	11/20/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	33.26	9.77	23.49	NA
S-5	2/4/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	33.26	9.28	23.98	NA
S-5	4/21/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	33.26	9.44	23.82	NA
S-5	8/12/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	33.26	10.05	23.21	NA
S-5	11/17/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	33.26	9.54	23.72	NA
S-5	2/8/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	33.26	9.39	23.87	NA
S-5	5/13/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	33.26	8.95	24.31	NA

S-6	5/4/1992	3100	640	22	23	97	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.42	23.17	NA
S-6	8/10/1992	3400	430	27	26	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	10.40	22.19	NA
S-6	11/9/1992	2000	320	15	15	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	10.16	22.43	NA
S-6	2/23/1993	14000	780	180	380	1300	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	7.60	24.99	NA
S-6	6/7/1993	3900	1400	56	83	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8.90	23.69	NA
S-6	8/13/1993	4000a	890	16	<0.5	41	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.39	23.20	NA
S-6	11/18/1993	80	5.0	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	10.32	22.27	NA
S-6	2/10/1994	4100	370	23	21	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8.68	23.91	NA
S-6	5/3/1994	4700	550	28	85	340	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.20	23.39	NA
S-6	8/1/1994	2900	370	11	11	43	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8.90	23.69	NA
S-6	11/8/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8.32	23.69	NA

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S-6	2/3/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8.04	23.69	NA
S-6	8/2/1995	1400	160	<5	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.26	23.19	NA
S-6	2/2/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	7.90	24.69	NA
S-6	5/4/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8.98	23.61	NA
S-6	8/2/1996	1600	150	9.2	13	23	17	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.34	23.25	NA
S-6	10/2/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.96	22.63	NA
S-6	1/8/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	7.38	25.21	NA
S-6	4/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.16	23.43	NA
S-6	7/1/1997	<50	1.5	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.60	22.99	NA
S-6	10/7/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.64	22.95	NA
S-6	1/7/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8.34	24.25	NA
S-6	4/2/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	7.93	24.66	NA
S-6	7/2/1998	370	22	0.62	<0.50	<0.50	5.60	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.85	22.74	NA
S-6	10/1/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	10.48	22.11	NA
S-6	1/12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.63	22.96	NA
S-6	4/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.08	23.51	NA
S-6	7/9/1999	52	2.3	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.33	23.26	NA
S-6	10/6/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.80	22.79	NA
S-6	3/7/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	7.05	25.54	NA
S-6	6/1/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.05	23.54	NA
S-6	9/8/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.65	22.94	NA
S-6	11/29/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.51	23.08	NA
S-6	3/9/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	32.59	7.14	25.45	NA
S-6	9/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.36	9.14	23.22	NA
S-6	9/29/2003	1700	13	4.6	<2.5	5.8	NA	<2.5	<10	<10	<10	<25	<2.5	<2.5	<250	32.36	9.32	23.04	NA
S-6	11/20/2003	4500	45	14	36	28	NA	<1.0	<4.0	<4.0	<4.0	<10	<1.0	<1.0	<100	32.36	8.29	24.07	NA
S-6	2/4/2004	3700	41	14	9.1	38	NA	<2.5	<10	<10	<10	<25	<2.5	<2.5	<250	32.36	7.90	24.46	NA
S-6	4/21/2004	2800	13	6.9	5.0	12	NA	<2.5	NA	NA	NA	NA	NA	NA	NA	32.36	8.50	23.86	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)	1,2- DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
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S-6	8/12/2004	2700	15	4.4	<2.5	<5.0	NA	<2.5	NA	NA	NA	NA	NA	NA	NA	32.36	9.40	22.96	NA
S-6	11/17/2004	2700	13	5.6	8.1	11	NA	<1.0	NA	NA	NA	NA	NA	NA	NA	32.36	8.23	24.13	NA
S-6	2/8/2005	1700	3.8	2.7	26	29	NA	<2.5	NA	NA	NA	NA	NA	NA	NA	32.36	7.77	24.59	NA
S-6	5/13/2005	3000	9.0	6.6	3.7	21	NA	<2.5	NA	NA	NA	NA	NA	NA	NA	32.36	7.25	25.11	NA
S-6	8/17/2005	1600	4.0	2.9	0.71	4.9	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	32.36	8.62	23.74	NA
S-6	3/17/2006	9760	15.4	9.83	32.9	44.6	NA	<0.500	NA	NA	NA	NA	NA	NA	NA	32.36	6.31	26.05	NA
S-6	7/6/2006	4680	9.09	9.16	3.51	32.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.36	7.17	25.19	NA
S-6	9/25/2006	3100	5.1	4.4	2.8	8.1	NA	<1.0	<1.0	<1.0	<1.0	<10	NA	NA	NA	32.36	8.86	23.50	NA
S-6	11/30/2006	2600	7.0	4.1	3.4	7.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.36	8.79	23.57	NA
S-6	3/21/2007	2100	9.0	3.1	4.9	9.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.36	8.21	24.15	NA
S-6	6/28/2007	2200 d	4.4	2.1	0.97 e	3.51 e	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.36	8.80	23.56	NA
S-6	9/17/2007	2900 d,f	2.1	1.0	0.30 e	1.24 e	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	NA	32.36	10.08	22.28	NA
S-6	11/29/2007	3300 d	2.0	0.97 e	0.41 e	2.21 e	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.36	8.99	23.37	NA
S-6	3/25/2008	2800	2.4	2.1	<1.0	10.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.36	8.27	24.09	NA
S-6	5/28/2008	1,400	2.0	1.3	<1.0	2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.36	8.70	23.66	NA
<b>S-6</b>	<b>9/19/2008</b>	<b>1,600</b>	<b>0.81</b>	<b>&lt;1.0</b>	<b>&lt;1.0</b>	<b>&lt;1.0</b>	<b>NA</b>	<b>&lt;1.0</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>&lt;10</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>32.36</b>	<b>9.71</b>	<b>22.65</b>	<b>NA</b>

S-6 (D)	8/1/1994	2600	340	8.8	7.7	33	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	NA	NA	NA
S-6 (D)	8/2/1995	1400	170	<5	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	NA	NA	NA

S-7	5/4/1992	180	1.6	<0.5	1.5	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.21	22.12	NA
S-7	8/10/1992	190	8.0	1.4	4.7	8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	12.28	21.05	NA
S-7	11/9/1992	280	16	4.0	7.8	21	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.77	21.56	NA
S-7	2/23/1993	210	13	2.2	5.4	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	8.86	24.47	NA
S-7	6/7/1993	90	1.2	2.5	1.0	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	10.58	22.75	NA
S-7	8/13/1993	140	4.0	0.8	<0.5	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.34	21.99	NA
S-7	11/18/1993	440	43	4.9	0.9	4.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	12.00	21.33	NA
S-7	2/10/1994	250a	<0.5	<0.5	1.8	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	9.88	23.45	NA

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S-7	5/3/1994	130	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	10.75	22.58	NA
S-7	8/1/1994	250	4.8	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.05	22.28	NA
S-7	11/8/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	9.64	23.69	NA
S-7	2/3/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	8.53	24.80	NA
S-7	8/2/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.10	22.23	NA
S-7	2/2/1996	480	2.2	2.4	7.9	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	8.58	24.75	NA
S-7	5/4/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	10.41	22.92	NA
S-7	8/2/1996	300	20	2.2	3.8	7.9	21	11	NA	NA	NA	NA	NA	NA	NA	33.33	11.18	22.15	NA
S-7	10/2/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	12.12	21.21	NA
S-7	1/8/1997	850	16	6.3	20	59	<25	NA	NA	NA	NA	NA	NA	NA	NA	33.33	8.23	25.10	NA
S-7	4/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	10.75	22.58	NA
S-7	7/1/1997	120	2.4	<0.50	2.9	2.6	3.5	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.40	21.93	NA
S-7	10/7/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.50	21.83	NA
S-7	4/19/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	33.33	9.39	23.94	NA
S-7	7/9/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.15	22.18	NA
S-7	10/6/1999	216	5.04	<0.500	2.23	4.82	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.65	21.68	NA
S-7	NA	Well abandoned		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

S-7 (D)	8/2/1996	340	22	2.2	4.4	8.9	20	NA	NA	NA	NA	NA	NA	NA	NA	33.33	NA	NA	NA
S-7 (D)	1/8/1997	840	15	<5.0	21	63	25	NA	NA	NA	NA	NA	NA	NA	NA	33.33	NA	NA	NA
S-7 (D)	7/1/1997	120	2.4	<0.50	2.9	2.6	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33.33	NA	NA	NA

S-8	5/4/1992	1600	20	420	96	330	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.29	21.68	NA
S-8	8/10/1992	1500	19	37	60	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	11.12	20.85	NA
S-8	11/9/1992	710	5.7	24	28	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.71	21.26	NA
S-8	2/23/1993	3800	40	54	68	260	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	6.04	25.93	NA
S-8	6/7/1993	1200	13	19	65	150	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.06	21.91	NA
S-8	8/13/1993	1300	21	23	49	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.56	21.41	NA

**WELL CONCENTRATIONS**  
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S-8	11/18/1993	870	16	5.3	59	230	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.90	21.07	NA
S-8	2/10/1994	2400	11	55	120	530	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9.53	22.44	NA
S-8	5/3/1994	3100	12	27	130	370	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.06	21.91	NA
S-8	8/1/1994	1500	20	18	39	190	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.32	21.65	NA
S-8	11/8/1994	2100	22	38	73	390	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9.25	22.72	NA
S-8	2/3/1995	4800	67	39	130	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	8.99	22.98	NA
S-8	5/4/1995	2600	31	23	71	310	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9.22	22.75	NA
S-8	8/2/1995	1700	10	9.1	48	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.36	21.61	NA
S-8	11/2/1995	1200	16	13	72	130	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.72	21.25	NA
S-8	2/2/1996	7100	29	140	360	1300	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	8.92	23.05	NA
S-8	5/4/1996	3500	13	27	110	400	<25	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9.86	22.11	NA
S-8	8/2/1996	850	9.6	7.4	30	160	11	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.30	21.67	NA
S-8	10/2/1996	980	<5.0	11	13	92	<25	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.71	21.26	NA
S-8	1/8/1997	6400	88	48	190	500	<100	NA	NA	NA	NA	NA	NA	NA	NA	31.97	8.88	23.09	NA
S-8	4/17/1997	1700	23	7.4	34	50	74	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.00	21.97	NA
S-8	7/1/1997	140	2.8	<0.50	<0.50	0.58	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.40	21.57	NA
S-8	10/7/1997	300	2.7	0.63	4.6	8.4	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.50	21.47	NA
S-8	1/7/1998	110	1.2	<0.50	<0.50	1.6	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9.27	22.70	NA
S-8	4/2/1998	4500	140	77	140	380	<12	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9.31	22.66	NA
S-8	7/2/1998	330	4.2	0.79	1.7	2.3	4.8	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9.48	22.49	NA
S-8	10/1/1998	52	0.76	<0.50	<0.50	0.70	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.08	21.89	NA
S-8	1/12/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.50	21.47	NA
S-8	4/19/1999	3360	29.6	24.6	137	398	<100	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9.45	22.52	NA
S-8	7/9/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.25	21.72	NA
S-8	10/6/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.70	21.27	NA
S-8	3/7/2000	16500	461	397	665	1240	229	NA	NA	NA	NA	NA	NA	NA	NA	31.97	8.45	23.52	NA
S-8	6/1/2000	317	4.05	0.943	0.595	1.08	29.9	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.03	21.94	NA
S-8	9/8/2000	330	2.14	1.45	7.21	16.5	39.9	<1.00b	NA	NA	NA	NA	NA	NA	NA	31.97	10.58	21.39	NA



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S-8	11/29/2000	188	2.70	<0.500	2.43	1.44	7.27	<1.00b	NA	NA	NA	NA	NA	NA	NA	31.97	10.25	21.72	NA
S-8	3/9/2001	4110	80.1	23.0	90.6	95.0	70.4	NA	NA	NA	NA	NA	NA	NA	NA	31.97	8.99	22.98	NA
S-8	9/12/2001	NA	NA	NA	NA	NA	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	31.97	10.67	21.30	NA
S-8	9/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.89	10.02	21.87	NA
S-8	9/29/2003	Well inaccessible			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.89	NA	NA	NA
S-8	10/3/2003	1700	<2.5	8.1	53	140	NA	<2.5	<10	<10	<10	<25	<2.5	<2.5	<250	31.89	9.99	21.90	NA
S-8	11/20/2003	7100	110	33	150	290	NA	2.8	<10	<10	<10	<25	<2.5	<2.5	<250	31.89	9.14	22.75	NA
S-8	2/4/2004	4400	41	8.6	37	120	NA	<2.5	<10	<10	<10	<25	<2.5	<2.5	<250	31.89	8.89	23.00	NA
S-8	4/21/2004	3300	11	4.0	39	150	NA	<2.5	NA	NA	NA	NA	NA	NA	NA	31.89	9.33	22.56	NA
S-8	8/12/2004	1300	<2.5	<2.5	18	76	NA	<2.5	NA	NA	NA	NA	NA	NA	NA	31.89	10.06	21.83	NA
S-8	11/17/2004	1900	<1.0	4.5	17	79	NA	<1.0	NA	NA	NA	NA	NA	NA	NA	31.89	9.62	22.27	NA
S-8	2/8/2005	3700	45	5.4	21	39	NA	<2.5	NA	NA	NA	NA	NA	NA	NA	31.89	9.03	22.86	NA
S-8	5/13/2005	3000	8.8	5.7	3.0	20	NA	<2.5	NA	NA	NA	NA	NA	NA	NA	31.89	8.58	23.31	NA
S-8	8/17/2005	2300	<1.0	2.3	6.5	41	NA	<1.0	NA	NA	NA	NA	NA	NA	NA	31.89	9.64	22.25	NA
S-8	3/17/2006	10000	84.0	14.9	65.1	95.8	NA	<0.500	NA	NA	NA	NA	NA	NA	NA	31.89	8.38	23.51	NA
S-8	7/6/2006	2910	3.46	0.560	9.12	47.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.89	9.22	22.67	NA
S-8	9/25/2006	1100	0.64	1.3	5.9	15	NA	<1.0	<1.0	<1.0	<1.0	<10	NA	NA	NA	31.89	9.80	22.09	NA
S-8	11/30/2006	1100	0.54	1.4	7.2	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.89	9.70	22.19	NA
S-8	3/21/2007	Well inaccessible			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.89	NA	NA	NA
S-8	6/28/2007	1500 d	0.30 e	0.76 e	1.7	6.81 e	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.89	9.52	22.37	NA
S-8	9/17/2007	620 d	<0.50	0.60 e	3.4	6.03 e	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	NA	31.89	10.16	21.73	NA
S-8	11/29/2007	890 d	0.16 e	0.81 e	2.6	9.37 e	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.89	9.91	21.98	NA
S-8	3/25/2008	2800	1.5	1.2	3.3	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.89	9.48	22.41	NA
S-8	5/28/2008	1,200	<0.50	<1.0	<1.0	3.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.89	9.73	22.16	NA
<b>S-8</b>	<b>9/19/2008</b>	<b>520</b>	<b>&lt;0.50</b>	<b>&lt;1.0</b>	<b>2.1</b>	<b>2.3</b>	<b>NA</b>	<b>&lt;1.0</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>&lt;10</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>31.89</b>	<b>10.22</b>	<b>21.67</b>	<b>NA</b>
S-8 (D)	2/10/1994	2400	11	46	100	440	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	5/3/1994	3000	21	25	120	340	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA

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S-8 (D)	11/8/1994	2100	20	31	75	390	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	2/3/1995	3700	53	30	100	240	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	5/4/1995	3300	38	26	89	390	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	8/2/1995	1200	15	13	70	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	2/2/1996	7800	33	160	400	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	5/4/1996	5100	19	37	190	690	<25	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	10/2/1996	1300	<5.0	10	28	180	<25	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	4/17/1997	1600	25	7.4	30	43	34	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	1/7/1998	150	1.8	0.6	<0.50	2.2	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	7/2/1998	360	4.3	0.89	1.7	2.3	5.7	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA

S-9	5/4/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.45	21.41	NA
S-9	8/10/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	11.52	20.34	NA
S-9	11/9/1992	<50	<0.5	<0.5	<0.5	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	11.02	20.84	NA
S-9	2/23/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	8.00	23.86	NA
S-9	6/7/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.07	21.79	NA
S-9	8/13/1993	140	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.92	20.94	NA
S-9	11/18/1993	170	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	11.19	20.67	NA
S-9	2/10/1994	140	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	9.16	22.70	NA
S-9	5/3/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.03	21.83	NA
S-9	8/1/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.52	21.34	NA
S-9	11/8/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	9.08	22.78	NA
S-9	2/3/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	8.37	23.49	NA
S-9	8/2/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	9.35	22.51	NA
S-9	2/2/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	7.53	24.33	NA
S-9	5/4/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	9.60	22.26	NA
S-9	8/2/1996	<50	<0.50	<0.50	<0.50	<0.50	12	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.46	21.40	NA
S-9	10/2/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.66	21.20	NA

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S-9	1/8/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	7.20	24.66	NA
S-9	4/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	9.96	21.90	NA
S-9	7/1/1997	<50	<0.50	<0.50	<0.50	<0.50	3.9	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.64	21.22	NA
S-9	10/7/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.63	21.23	NA
S-9	4/19/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	31.86	8.69	23.17	NA
S-9	7/9/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.45	21.41	NA
S-9	10/6/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.90	20.96	NA
S-9	NA	Well abandoned		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

S-10	5/4/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.54	24.41	NA
S-10	8/10/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	10.43	22.52	NA
S-10	11/9/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	9.14	23.81	NA
S-10	2/23/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.72	26.23	NA
S-10	6/7/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.08	24.87	NA
S-10	8/13/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.83	24.12	NA
S-10	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	9.46	23.49	NA
S-10	2/10/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	7.41	25.54	NA
S-10	5/3/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.16	24.79	NA
S-10	8/1/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.29	24.66	NA
S-10	11/8/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	7.02	25.93	NA
S-10	2/3/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.79	26.16	NA
S-10	8/2/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.30	24.65	NA
S-10	2/2/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.49	26.46	NA
S-10	5/4/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	7.55	25.40	NA
S-10	8/2/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	32.95	9.25	23.70	NA
S-10	10/2/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	10.54	22.41	NA
S-10	1/8/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.47	26.48	NA
S-10	4/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	7.78	25.17	NA

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S-10	7/1/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.83	24.12	NA
S-10	10/7/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.89	24.06	NA
S-10	1/7/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.97	25.98	NA
S-10	4/2/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.96	25.99	NA
S-10	7/2/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	32.95	10.41	22.54	NA
S-10	10/1/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	11.03	21.92	NA
S-10	1/12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	10.33	22.62	NA
S-10	4/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	9.72	23.23	NA
S-10	7/9/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.98	23.97	NA
S-10	10/6/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	9.15	23.80	NA
S-10	3/7/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.01	26.94	NA
S-10	6/1/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.13	24.82	NA
S-10	9/8/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	32.95	9.10	23.85	NA
S-10	11/29/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	9.32	23.63	NA
S-10	3/9/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.54	26.41	NA
S-10	9/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.93	9.13	23.80	NA
S-10	9/29/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	32.93	9.26	23.67	NA
S-10	11/20/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	32.93	7.15	25.78	NA
S-10	2/4/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	32.93	6.80	26.13	NA
S-10	4/21/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	32.93	7.71	25.22	NA
S-10	8/12/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	32.93	9.26	23.67	NA
S-10	11/17/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	32.93	7.44	25.49	NA
S-10	2/8/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	32.93	6.94	25.99	NA
S-10	5/13/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	32.93	6.41	26.52	NA

S-11	5/4/1992	1500	55	32	57	190	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	9.99	20.79	NA
S-11	8/10/1992	750	29	13	43	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.92	19.86	NA
S-11	11/9/1992	4100	32	62	120	1100	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.44	20.34	NA

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S-11	2/23/1993	760	15	13	37	140	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	7.30	23.48	NA
S-11	6/7/1993	1700	40	16	100	360	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	9.51	21.27	NA
S-11	8/13/1993	60	0.9	<0.5	0.8	1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.39	20.39	NA
S-11	11/18/1993	150	7.8	1.0	9.0	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.64	20.14	NA
S-11	2/10/1994	4400	53	19	160	390	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	8.50	22.28	NA
S-11	5/3/1994	65	1.5	<0.5	0.53	0.59	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	9.42	21.36	NA
S-11	8/1/1994	240	18	6.7	6.9	18	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.12	20.66	NA
S-11	11/8/1994	490	14	5.2	15	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	8.84	21.94	NA
S-11	2/3/1995	380	4.1	0.9	1.4	5.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	7.12	23.66	NA
S-11	5/4/1995	110	1.3	<0.5	1.1	1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	7.96	22.82	NA
S-11	8/2/1995	230	22	11	13	35	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	9.88	20.90	NA
S-11	11/2/1995	200	26	10	10	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.10	20.68	NA
S-11	2/2/1996	110	2.9	1.0	2.6	6.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	7.33	23.45	NA
S-11	5/4/1996	<50	0.70	0.54	0.82	2.6	7.5	NA	NA	NA	NA	NA	NA	NA	NA	30.78	8.62	22.16	NA
S-11	8/2/1996	200	11	4.6	12	38	10	NA	NA	NA	NA	NA	NA	NA	NA	30.78	9.85	20.93	NA
S-11	10/2/1996	290	20	6.2	16	48	8.4	NA	NA	NA	NA	NA	NA	NA	NA	30.78	11.00	19.78	NA
S-11	1/8/1997	56	2.0	<0.50	1.0	5.8	5.2	NA	NA	NA	NA	NA	NA	NA	NA	30.78	6.20	24.58	NA
S-11	4/17/1997	<50	0.88	<0.50	<0.50	<0.50	3.2	NA	NA	NA	NA	NA	NA	NA	NA	30.78	8.81	21.97	NA
S-11	7/1/1997	610	50	5.9	24	110	3.1	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.47	20.31	NA
S-11	10/7/1997	440	43	3.0	13	110	4.9	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.32	20.46	NA
S-11	4/19/1999	<50.0	0.530	<0.500	<0.500	5.22	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	30.78	8.31	22.47	NA
S-11	7/9/1999	53	2.3	<0.50	<0.50	8.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	30.78	9.19	21.59	NA
S-11	10/6/1999	1210	39.1	<10.0	26.4	139	<100	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.25	20.53	NA
S-11	NA	Well Abandoned		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

S-11 (D)	6/7/1993	1600	51	16	83	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	NA	NA	NA
S-11 (D)	8/13/1993	70	2.1	<0.5	0.9	2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	NA	NA	NA
S-11 (D)	10/7/1997	360	39	2.0	7.2	74	4.9	NA	NA	NA	NA	NA	NA	NA	NA	30.78	NA	NA	NA

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SR-1	5/4/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.02	NA	NA
SR-1	8/10/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.29	NA	NA
SR-1	11/9/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.92	NA	NA
SR-1	2/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.64	NA	NA
SR-1	6/7/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.36	NA	NA
SR-1	8/13/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.96	NA	NA
SR-1	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.02	NA	NA
SR-1	2/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-1	5/3/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.28	NA	NA
SR-1	8/1/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.98	NA	NA
SR-1	11/8/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.75	NA	NA
SR-1	2/3/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.20	NA	NA
SR-1	5/4/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.10	NA	NA
SR-1	8/2/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.31	NA	NA
SR-1	11/2/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.62	NA	NA
SR-1	2/2/1996	90	6.1	6.7	2.8	8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.30	NA	NA
SR-1	5/4/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.10	NA	NA
SR-1	8/2/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.10	NA	NA
SR-1	10/2/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.25	NA	NA
SR-1	1/8/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.18	NA	NA
SR-1	4/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.01	NA	NA
SR-1	7/1/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.36	NA	NA
SR-1	10/7/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.22	NA	NA
SR-1	1/7/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.45	NA	NA
SR-1	4/2/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.43	NA	NA
SR-1	7/2/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.87	NA	NA
SR-1	10/1/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.42	NA	NA

**WELL CONCENTRATIONS**  
**Former Shell Service Station**  
**2800 Telegraph Avenue**  
**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)	1,2- DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
SR-1	1/12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.24	NA	NA
SR-1	4/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.64	NA	NA
SR-1	7/9/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.40	NA	NA
SR-1	10/6/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.30	NA	NA
SR-1	3/7/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.25	NA	NA
SR-1	6/1/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.59	NA	NA
SR-1	9/8/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.22	NA	NA
SR-1	11/29/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.65	NA	NA
SR-1	3/9/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.78	NA	NA
SR-1	9/12/2001	NA	NA	NA	NA	NA	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	9.23	NA	NA
SR-1	9/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8.02	24.57	NA
SR-1	9/29/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	32.59	8.35	24.24	NA
SR-1	11/20/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	32.59	6.85	25.74	NA
SR-1	2/4/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	32.59	6.58	26.01	NA
SR-1	4/21/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	32.59	6.96	25.63	NA
SR-1	8/12/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	32.59	8.42	24.17	NA
SR-1	11/17/2004	<50 c	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	32.59	7.30	25.29	NA
SR-1	2/8/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	32.59	6.44	26.15	NA
SR-1	5/13/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	32.59	6.33	26.26	NA
SR-1 (D)	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**WELL CONCENTRATIONS**  
**Former Shell Service Station**  
**2800 Telegraph Avenue**  
**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)	1,2- DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
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Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to September 29, 2003, analyzed by EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to September 29, 2003, analyzed by EPA Method 8020.

MTBE = Methyl tertiary butyl ether

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

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

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

TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260

1,2-DCA = 1,2-dichloroethane, analyzed by EPA Method 8260

EDB = 1,2-dibromomethane or ethylene dibromide, analyzed by EPA Method 8260

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

<n = Below detection limit

(D) = Duplicate sample

NA = Not applicable



**WELL CONCENTRATIONS**  
**Former Shell Service Station**  
**2800 Telegraph Avenue**  
**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)	1,2- DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
---------	------	----------------	-------------	-------------	-------------	-------------	------------------------	------------------------	----------------	----------------	----------------	---------------	-----------------------	---------------	-------------------	--------------	----------------------------	--------------------------	---------------------------

Notes:

a = Chromatogram pattern indicated the presence of an unidentified hydrocarbon.

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

c = The concentration reported reflects individual or discrete unidentified peaks not matching a typical fuel pattern.

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

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

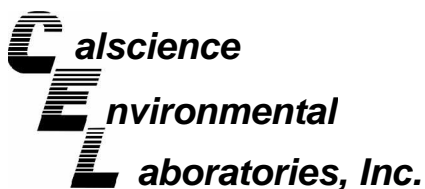
f = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Ethanol analyzed by EPA Method 8260B.

Prior to September 18, 2003, depths to water and groundwater elevation referenced to Top of Box elevation.

Active wells surveyed July 29, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

1Q06 Top of Casing elevation for well S-3R provided by Cambria Environmental Technology, Inc.



September 30, 2008

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

Subject: **CalScience Work Order No.: 08-09-2037**  
**Client Reference: 2800 Telegraph Ave., Oakland, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 9/23/2008 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,

A handwritten signature in black ink, appearing to read 'Jessie Kim', with a large, sweeping flourish at the end.

CalScience Environmental  
Laboratories, Inc.  
Jessie Kim  
Project Manager

## Analytical Report



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

Date Received: 09/23/08  
Work Order No: 08-09-2037  
Preparation: EPA 5030B  
Method: LUFT GC/MS / EPA 8260B  
Units: ug/L

Project: 2800 Telegraph Ave., Oakland, CA

Page 1 of 1

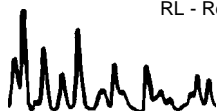
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-6	08-09-2037-1-A	09/19/08 13:52	Aqueous	GC/MS WW	09/23/08	09/23/08 23:50	080923L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	1600	50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Benzene	0.81	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	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
1,4-Bromofluorobenzene	94	70-130			1,4-Bromofluorobenzene-TPPH	90	70-130		

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	520	50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	2.1	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	2.3	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
1,4-Bromofluorobenzene	93	70-130			1,4-Bromofluorobenzene-TPPH	89	70-130		

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
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	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
1,4-Bromofluorobenzene	87	70-130			1,4-Bromofluorobenzene-TPPH	84	70-130		

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





## Quality Control - Spike/Spike Duplicate



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

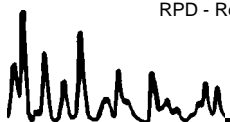
Date Received: 09/23/08  
Work Order No: 08-09-2037  
Preparation: EPA 5030B  
Method: LUFT GC/MS / EPA  
8260B

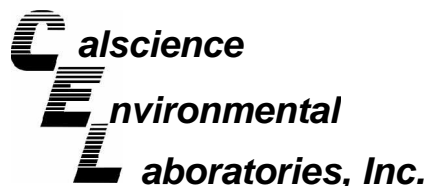
Project 2800 Telegraph Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-6	Aqueous	GC/MS WW	09/23/08	09/24/08	080923S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	107	100	70-130	7	0-30	
Ethylbenzene	116	109	70-130	7	0-30	
Toluene	118	109	70-130	7	0-30	
p/m-Xylene	117	109	70-130	8	0-30	
o-Xylene	120	111	70-130	8	0-30	
Methyl-t-Butyl Ether (MTBE)	106	98	70-130	8	0-30	
Tert-Butyl Alcohol (TBA)	109	103	70-130	6	0-30	
Diisopropyl Ether (DIPE)	112	100	70-130	11	0-30	
Ethyl-t-Butyl Ether (ETBE)	112	105	70-130	6	0-30	
Tert-Amyl-Methyl Ether (TAME)	113	107	70-130	6	0-30	
Ethanol	110	103	70-130	7	0-30	

RPD - Relative Percent Difference , CL - Control Limit





## Quality Control - LCS/LCS Duplicate



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

Date Received: N/A  
Work Order No: 08-09-2037  
Preparation: EPA 5030B  
Method: LUFT GC/MS / EPA 8260B

Project: 2800 Telegraph Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-12-715-942	Aqueous	GC/MS WW	09/23/08	09/23/08	080923L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
TPPH	104	112	65-135	53-147	8	0-30	
Benzene	104	112	70-130	60-140	8	0-30	
Ethylbenzene	114	122	70-130	60-140	7	0-30	
Toluene	112	121	70-130	60-140	7	0-30	
p/m-Xylene	116	124	70-130	60-140	7	0-30	
o-Xylene	115	125	70-130	60-140	8	0-30	
Methyl-t-Butyl Ether (MTBE)	100	107	70-130	60-140	7	0-30	
Tert-Butyl Alcohol (TBA)	99	105	70-130	60-140	6	0-30	
Diisopropyl Ether (DIPE)	104	112	70-130	60-140	7	0-30	
Ethyl-t-Butyl Ether (ETBE)	101	112	70-130	60-140	10	0-30	
Tert-Amyl-Methyl Ether (TAME)	104	114	70-130	60-140	9	0-30	
Ethanol	114	114	70-130	60-140	1	0-30	

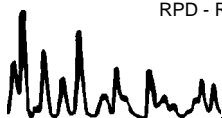
Total number of LCS compounds : 12

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



Work Order Number: 08-09-2037

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
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 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 with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
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.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.



LAB (LOCATION)

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



# Shell Oil Products Chain Of Custody Record

Please Check Appropriate Box:

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

Print Bill To Contact Name: **Denis Brown**

INCIDENT # (ENV SERVICES): **9 7 0 9 3 3 9 8**

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

CHECK IF NO INCIDENT # APPLIES

DATE: **9/19/08**

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

SAMPLING COMPANY: **Blaine Tech Services**

LOG CODE: **BTSS**

SITE ADDRESS: Street and City: **2800 Telegraph Ave., Oakland**

State: **CA** GLOBAL ID NO: **T0600101244**

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

EDF DELIVERABLE TO (Name, Company, Office Location): **Dennis Baertschi, CRA, Eureka Office**

PHONE NO: **707-268-3813**

E-MAIL: **sonomaedf@eraworld.com**

CONSULTANT PROJECT NO: **080911-PL2**

BTS # \_\_\_\_\_

PROJECT CONTACT (Hardcopy or PDF Report to): **Michael Ninokata**

SAMPLER NAME(S) (Print): **P. Cornish**

LAB USE ONLY: **09-2037**

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

REQUESTED ANALYSIS

LA - RWQCB REPORT FORMAT  UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

SHELL CONTRACT RATE APPLIES

STATE REIMBURSEMENT RATE APPLIES

EDD NOT NEEDED

RECEIPT VERIFICATION REQUESTED

Run TPH-d w/Silica Gel Clean Up

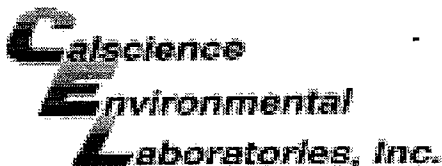
TEMPERATURE ON RECEIPT: \_\_\_\_\_ C°

Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	PRESERVATIVE					NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	
		DATE	TIME		HCL	HNO3	H2SO4	NONE	OTHER															
1	S-6	9/19/08	1352	W	X					3	K	A	A											
2	S-8	↓	1330	C	X					3	A	Q	Q											

Relinquished by: (Signature) <i>P. Cornish</i>	Received by: (Signature) <i>P. Cornish</i>	Date: <b>9/19/08</b>	Time: <b>1700</b>
Relinquished by: (Signature) <i>Tom Ormally (Sample Custodian)</i>	Received by: (Signature) <i>Tom Ormally CEC</i>	Date: <b>9/22/08</b>	Time: <b>1325</b>
Relinquished by: (Signature) <i>Tom Ormally TO 650</i>	Received by: (Signature) <i>[Signature]</i>	Date: <b>9/23/08</b>	Time: <b>1015</b>

510402826



WORK ORDER #: 08 - 09 - 2037

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Blaine Tech

DATE: 9/23/08

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

LABORATORY (Other than CalScience Courier):

- Chilled, cooler with temperature blank provided.
Chilled, cooler without temperature blank.
Chilled and placed in cooler with wet ice.
Ambient and placed in cooler with wet ice.
Ambient temperature (For Air & Filter Only).
C Temperature blank.

- 3.1 C Temperature blank.
C IR Thermometer.
Ambient temperature (For Air & Filter Only).

Initial: JR

CUSTODY SEAL INTACT:

Sample(s): Cooler: No (Not Intact): Not Present: [checked]

Initial: JR

SAMPLE CONDITION:

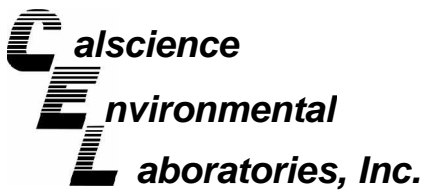
Table with 4 columns: Description, Yes, No, N/A. Rows include Chain-Of-Custody document(s), Sampler's name, Sample container label(s), Sample container(s) intact, Correct containers and volume, Proper preservation, VOA vial(s) free of headspace, Tedlar bag(s) free of condensation.

Initial: JR

COMMENTS:

Multiple horizontal lines for handwritten comments.





October 13, 2008

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

Subject: **Calscience Work Order No.: 08-10-0231**  
**Client Reference: 2800 Telegraph Ave., Oakland, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 10/3/2008 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,

A handwritten signature in black ink, appearing to read 'Jessie Kim', with a large, sweeping flourish at the end.

Calscience Environmental  
Laboratories, Inc.  
Jessie Kim  
Project Manager

**Analytical Report**



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

Date Received: 10/03/08  
 Work Order No: 08-10-0231  
 Preparation: EPA 5030B  
 Method: LUFT GC/MS / EPA 8260B  
 Units: ug/L

Project: 2800 Telegraph Ave., Oakland, CA

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-3R	08-10-0231-1-A	10/01/08 15:07	Aqueous	GC/MS T	10/09/08	10/09/08 22:12	081009L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	390	50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
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	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
1,4-Bromofluorobenzene	91	70-130			1,4-Bromofluorobenzene-TPPH	90	70-130		

Method Blank	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-715-1,029	N/A	Aqueous	GC/MS T	10/09/08	10/09/08 16:36	081009L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
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	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
1,4-Bromofluorobenzene	89	70-130			1,4-Bromofluorobenzene-TPPH	87	70-130		

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



## Quality Control - Spike/Spike Duplicate



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

Date Received: 10/03/08  
Work Order No: 08-10-0231  
Preparation: EPA 5030B  
Method: LUFT GC/MS / EPA  
8260B

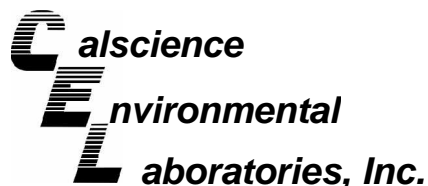
Project 2800 Telegraph Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-10-0451-1	Aqueous	GC/MS T	10/09/08	10/09/08	081009S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	93	93	70-130	0	0-30	
Ethylbenzene	97	96	70-130	1	0-30	
Toluene	93	93	70-130	0	0-30	
p/m-Xylene	100	99	70-130	1	0-30	
o-Xylene	96	95	70-130	1	0-30	
Methyl-t-Butyl Ether (MTBE)	100	103	70-130	3	0-30	
Tert-Butyl Alcohol (TBA)	90	97	70-130	7	0-30	
Diisopropyl Ether (DIPE)	97	100	70-130	3	0-30	
Ethyl-t-Butyl Ether (ETBE)	92	97	70-130	6	0-30	
Tert-Amyl-Methyl Ether (TAME)	92	98	70-130	7	0-30	
Ethanol	83	97	70-130	16	0-30	

RPD - Relative Percent Difference , CL - Control Limit





## Quality Control - LCS/LCS Duplicate



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

Date Received: N/A  
Work Order No: 08-10-0231  
Preparation: EPA 5030B  
Method: LUFT GC/MS / EPA 8260B

Project: 2800 Telegraph Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-12-715-1,029	Aqueous	GC/MS T	10/09/08	10/09/08	081009L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
TPPH	78	79	65-135	53-147	1	0-30	
Benzene	96	97	70-130	60-140	1	0-30	
Ethylbenzene	99	98	70-130	60-140	0	0-30	
Toluene	95	96	70-130	60-140	1	0-30	
p/m-Xylene	102	103	70-130	60-140	1	0-30	
o-Xylene	98	98	70-130	60-140	1	0-30	
Methyl-t-Butyl Ether (MTBE)	101	102	70-130	60-140	1	0-30	
Tert-Butyl Alcohol (TBA)	88	87	70-130	60-140	2	0-30	
Diisopropyl Ether (DIPE)	82	103	70-130	60-140	22	0-30	
Ethyl-t-Butyl Ether (ETBE)	97	98	70-130	60-140	1	0-30	
Tert-Amyl-Methyl Ether (TAME)	97	100	70-130	60-140	2	0-30	
Ethanol	83	83	70-130	60-140	1	0-30	

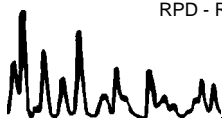
Total number of LCS compounds : 12

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

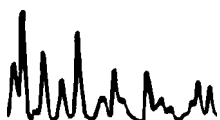
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 08-10-0231

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
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 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 with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
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.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.



LAB (LOCATION)

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



# Shell Oil Products Chain Of Custody Record

**Please Check Appropriate Box:**

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

Print Bill To Contact Name: **Denis Brown** INCIDENT # (ENV SERVICES): **9 7 0 9 3 3 9 8**  CHECK IF NO INCIDENT # APPLIES

PO # \_\_\_\_\_ SAP # \_\_\_\_\_ DATE: **10/1/08** PAGE: **1** of **1**

SAMPLING COMPANY: **Blaine Tech Services** LOG CODE: **BTSS**

SITE ADDRESS: Street and City: **2800 Telegraph Ave., Oakland** State: **CA** GLOBAL ID NO: **T0600101244**

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

EDF DELIVERABLE TO (Name, Company, Office Location): **Dennis Baertschi, CRA, Eureka Office** PHONE NO: **707-268-3813** E-MAIL: **sonomaedf@craworld.com** CONSULTANT PROJECT NO: **081001-MT2**

PROJECT CONTACT (Hardcopy or PDF Report to): **Michael Ninokata**

SAMPLER NAME(S) (Print): **M. Todi** LAB USE ONLY: **10-0231**

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

**REQUESTED ANALYSIS**

**SPECIAL INSTRUCTIONS OR NOTES :**

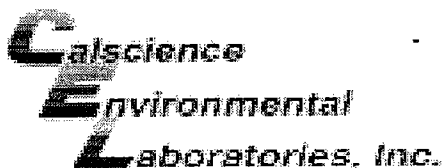
- SHELL CONTRACT RATE APPLIES
- STATE REIMBURSEMENT RATE APPLIES
- EDD NOT NEEDED
- RECEIPT VERIFICATION REQUESTED

Run TPH-d w/Silica Gel Clean Up

LAB USE ONLY	Field Sample Identification		SAMPLING		MATRIX	PRESERVATIVE					NO. OF CONT.	REQUESTED ANALYSIS										TEMPERATURE ON RECEIPT °C	Container PID Readings or Laboratory Notes					
			DATE	TIME		HCL	HNO3	H2SO4	NONE	OTHER		TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)			EDB (8260B)	Ethanol (8260B)	Methanol (8015M)		
1	S-3R	10/21/08	1507	W	3						3	X	X															

Relinquished by: (Signature)	Received by: (Signature)	Date: <b>10/01/08</b>	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature) <b>Shipped via GSO</b>	Received by: (Signature) <b>Wobate CA</b>	Date: <b>10/2/08</b>	Time: <b>1600</b>

**GSO 510476035** **10-3-08** **1045**



WORK ORDER #: 08 - 1 0 - 0 2 3 1

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Blaine Tech

DATE: 10/3/08

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- Chilled, cooler with temperature blank provided.
Chilled, cooler without temperature blank.
Chilled and placed in cooler with wet ice.
Ambient and placed in cooler with wet ice.
Ambient temperature (For Air & Filter Only).
C Temperature blank.

LABORATORY (Other than CalScience Courier):

- 2.6 C Temperature blank.
C IR Thermometer.
Ambient temperature (For Air & Filter Only).

Initial: JP

CUSTODY SEAL INTACT:

Sample(s): Cooler: No (Not Intact): Not Present: [checked]

Initial: JP

SAMPLE CONDITION:

Table with 4 columns: Description, Yes, No, N/A. Rows include Chain-Of-Custody document(s), Sampler's name, Sample container label(s), Sample container(s) intact, Correct containers and volume, Proper preservation, VOA vial(s) free of headspace, Tedlar bag(s) free of condensation.

Initial: JP

COMMENTS: [Blank lines for handwritten notes]

# SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 2800 Telegraph Date 10-01-08  
 Job Number DB1001-MTZ Technician M. Tbd 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-3R	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: \_\_\_\_\_



## WELL GAUGING DATA

Project # 081001-MTZ Date 10.01.08 Client SMell

Site 2800 Telegraph Oakland

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-3R	1445	4					9.34	13.40	TOC ↓	

**SHELL WELL MONITORING DATA SHEET**

BTS #: <u>081001-MT2</u>	Site: <u>2800 Telegraph</u>
Sampler: <u>MT</u>	Date: <u>10-01-08</u>
Well I.D.: <u>5-3R</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth (TD): <u>13.40</u>	Depth to Water (DTW): <u>9.34</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>10.15</u>	

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

<u>2.6</u> (Gals.) X <u>3</u> = <u>7.8</u> Gals. 1 Case Volume Specified Volumes Calculated Volume	<table border="1"> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u> )	Turbidity (NTUs)	Gals. Removed	Observations
1456	79.2	7.09	1332	241	2.6	
1456	74.2	6.68	631.7	138	5.2	
1457	73.7	6.60	611.8	229	7.8	

Did well dewater? Yes  No  Gallons actually evacuated: 52

Sampling Date: 10-01-08 Sampling Time: 1507 Depth to Water: 10.15 <sup>(waited)</sup>

Sample I.D.: 5-3R Laboratory: STL Other: CAL SCIENCE

Analyzed for: TPH-G BTEX MTBE TPH-D Other: see COC

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other: \_\_\_\_\_

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

# SHELL WELLHEAD INSPECTION FORM

## (FOR SAMPLE TECHNICIAN)

Site Address 2800 Telegraph, Oakland Date 1/11/08

Job Number 080119-PCZ Technician P. Lornish 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-3R						K			well perforated water
S-6	K								christy box
S-8	K								" "

\*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: \_\_\_\_\_

# WELL GAUGING DATA

Project # 080919-PC2 Date 9/19/08 Client Swell

Site 2800 Telegraph Ave., Oakland

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 <del>TOE</del>	Notes
S-3R			well parked over						↓	
S-6	1340	3					9.71	21.68		
S-8	1312	3					10.22	18.90		

## SHELL WELL MONITORING DATA SHEET

BTS #: <u>080919-R2</u>	Site: <u>9709 3398</u>
Sampler: <u>PC</u>	Date: <u>9/19/08</u>
Well I.D.: <u>5-3R</u>	Well Diameter: 2 3 4 6 8 <u>    </u>
Total Well Depth (TD): <u>    </u>	Depth to Water (DTW): <u>    </u>
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]:	

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

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
			<u>well Parked over</u>			

Did well dewater? Yes No	Gallons actually evacuated:
Sampling Date:	Sampling Time:      Depth to Water:
Sample I.D.: <u>5-3R</u>	Laboratory: STL Other <u>    </u>
Analyzed for: TPH-G BTEX MTBE TPH-D Other:	
EB I.D. (if applicable): @ Time	Duplicate I.D. (if applicable):
Analyzed for: TPH-G BTEX MTBE TPH-D Other:	
D.O. (if req'd): Pre-purge: <u>    </u> mg/L	Post-purge: <u>    </u> mg/L
O.R.P. (if req'd): Pre-purge: <u>    </u> mV	Post-purge: <u>    </u> mV

## SHELL WELL MONITORING DATA SHEET

BTS #: 080919-R2	Site: 97093398
Sampler: RC	Date: 9/19/08
Well I.D.: 5-6	Well Diameter: 2 <u>3</u> 4 6 8
Total Well Depth (TD): 21.68	Depth to Water (DTW): 9.71
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>etc</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.10	

Purge Method: <input type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Positive Air Displacement <input checked="" type="checkbox"/> Electric Submersible	Water: <input type="checkbox"/> Peristaltic <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <input checked="" type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port <input type="checkbox"/> Dedicated Tubing Other: _____
---	---	--

$4.4 \text{ (Gals.)} \times 3 = 13.2 \text{ Gals.}$ 1 Case Volume      Specified Volumes      Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond. (mS or <del>µS</del> )	Turbidity (NTUs)	Gals. Removed	Observations
1343	73.9	6.54	594.7	128	4.5	
1345	well dewatered @ 8 gal				<del>4.5</del>	
1352	71.1	6.81	591.1	277	—	

Did well dewater? <input checked="" type="checkbox"/> Yes    No	Gallons actually evacuated: 8	
Sampling Date: 9/19/08	Sampling Time: 1352	Depth to Water: 18.50 <small>Traffic well</small>
Sample I.D.: 5-6	Laboratory: STL	Other: Calscience
Analyzed for: <u>TPH-G BTEX</u> MTBE TPH-D	Other: <u>OK's</u>	
EB I.D. (if applicable): _____ @ _____ Time	Duplicate I.D. (if applicable): _____	
Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____		
D.O. (if req'd):	Pre-purge: _____ mg/L	Post-purge: _____ mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV

**Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (800) 545-7558**

## SHELL WELL MONITORING DATA SHEET

BTS #: 08219-027	Site: 97093328
Sampler: PC	Date: 1/19/08
Well I.D.: 5-8	Well Diameter: 2 <u>3</u> 4 6 8
Total Well Depth (TD): 18.90	Depth to Water (DTW): 10.22
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]: 11.96	

Purge Method: Bailer	Watertra	Sampling Method: <input checked="" type="checkbox"/> Bailer
Disposable Bailer	Peristaltic	Disposable Bailer
Positive Air Displacement	Extraction Pump	Extraction Port
<input checked="" type="checkbox"/> Electric Submersible	Other _____	Dedicated Tubing
		Other: _____

$3.2 \text{ (Gals.)} \times 3 = 9.6 \text{ Gals.}$ 1 Case Volume      Specified Volumes      Calculated Volume	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
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1"	0.04	4"	0.65														
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3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond. (mS or <del>µS</del> )	Turbidity (NTUs)	Gals. Removed	Observations
1320	75.6	6.45	599.8	283	3.2	H <sub>2</sub> S odour
1322	75.2	6.38	617.4	101	6.5	↓
1323	75.0	6.40	631.5	43	9.6	

Did well dewater?    Yes     No    Gallons actually evacuated: 9.6

Sampling Date: 1/19/08    Sampling Time: 1330    Depth to Water: 11.95

Sample I.D.: 5-8    Laboratory: STL    Other: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D    Other: oxys

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

Analyzed for: TPH-G BTEX MTBE TPH-D    Other:

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

# SHELL SITE INSPECTION CHECKLIST

Client Shell Date 8-6-08  
 Site Address 2800 Telegraph Ave.  
 Job Number 080806-EC1 Technician EC

Site Status \_\_\_\_\_ Branded Station \_\_\_\_\_ Vacant Lot  Other Kentucky Fried Chicken

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

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

PROJECT MANAGER ONLY

Checklist Reviewed EC 8/7 Notes \_\_\_\_\_  
Initial/Date



# SHELL WELLHEAD REPAIR FORM

## (FOR REPAIR TECHNICIAN)

Site Address 2800 Telegraph Ave. Date 8-6-08  
 Job Number 080806-ecl Technician EC 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										All Repairs Completed	Remaining Deficiencies Logged onto BLAINE Repair Order	Remaining Deficiencies Logged onto Notice of Deficient Condition - BLAINE Unable to Repair	
					Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Below Grade	Not Securable by Design (12" diameter or less)	Lid not marked with words "MONITORING WELL"	Other Deficiency				Not Securable by Design (greater than 12" diameter)
S-3R				X			X									X		
	Notes: <u>cleaned</u>																	
	Well box type / size: <u>12" EMCO</u>									Materials used: <u>2RT, 2B, RS</u>								
S-6		X	X													X		
	Notes: <u>cleaned</u>																	
	Well box type / size: <u>Christy Box</u>									Materials used: <u>4" cap, lock</u>								
S-8			X													X		
	Notes: <u>cleaned</u>																	
	Well box type / size: <u>Christy Box</u>									Materials used: <u>lock</u>								
	Notes:																	
	Well box type / size:									Materials used:								
	Notes:																	
	Well box type / size:									Materials used:								
	Notes:																	
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