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2:57 pm, Oct 05, 2007

Alameda County  
Environmental Health

**Denis L. Brown**

**Shell Oil Products US**

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

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  
1230 14th Street  
Oakland, California  
SAP Code 129403  
Incident No. 97088250  
ACHCSA Case No. RO 0433

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



**CONESTOGA-ROVERS  
& ASSOCIATES**

19449 Riverside Drive, Suite 230, Sonoma, California 95476  
Telephone: 707-935-4850 Facsimile: 707-935-6649  
www.CRAworld.com

October 5, 2007

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

Re: **Groundwater Monitoring Report – Third Quarter 2007**  
Former Shell Service Station  
1230 14th Street  
Oakland, California  
SAP Code 129403  
Incident No. 97088250  
ACHCSA Case RO#0000433

Dear Mr. Wickham:

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.

If you have any questions regarding the contents of this document, please call Ana Friel at (707) 268-3812.

Sincerely,  
**Conestoga-Rovers & Associates**


Ana Friel, PG  
Project Geologist

Enclosure: Groundwater Monitoring Report – Third Quarter 2007

cc: Mr. Denis Brown, Shell  
Mr. Tom Saberi, 1045 Airport Boulevard, Suite 12, South San Francisco, CA 94080  
Ms. Joan Mack, Caldwell Leslie & Proctor PC, 1000 Wilshire Blvd, Suite 600, Los Angeles, CA 90017-2463  
Ms. Ellen Wyrick-Parkinson, 1420 Magnolia Street, Oakland, CA 94607

Equal  
Employment  
Opportunity Employer



**CONESTOGA-ROVERS  
& ASSOCIATES**

Mr. Jerry Wickham  
October 5, 2007

## **GROUNDWATER MONITORING REPORT – THIRD QUARTER 2007**

<b>Site Address</b>	<u>1230 14<sup>th</sup> Street, Oakland</u>
<b>Site Use</b>	<u>Former Shell Service Station</u>
<b>Shell Project Manager</b>	<u>Denis Brown</u>
<b>Consultant and Contact Person</b>	<u>CRA, Ana Friel</u>
<b>Lead Agency and Contact</b>	<u>ACHCSA, Barney Chan</u>
<b>Agency Case No.</b>	<u>RO#0000433</u>
<b>Shell SAP Code</b>	<u>129403</u>
<b>Shell Incident No.</b>	<u>97088250</u>
<b>Date of Most Recent Agency Correspondence</b>	<u>September 19, 2007</u>

### **Current Quarter's Activities**

1. Blaine Tech Services, Inc. (Blaine) gauged and sampled wells according to the established monitoring program for this site.
2. CRA prepared a vicinity map (Figure 1) and a groundwater contour and chemical concentration map (Figure 2). The Blaine report, presenting the analytical data, is included in Attachment A.
3. Shell received the Alameda County correspondence dated September 19, 2007.

### **Current Quarter's Findings**

<b>Groundwater Flow Direction</b>	<u>Northeasterly</u>
<b>Hydraulic Gradient</b>	<u>0.004</u>
<b>Depth to Water</b>	<u>11.60 to 13.20 feet below top of well casing</u>



**CONESTOGA-ROVERS  
& ASSOCIATES**

Mr. Jerry Wickham  
October 5, 2007

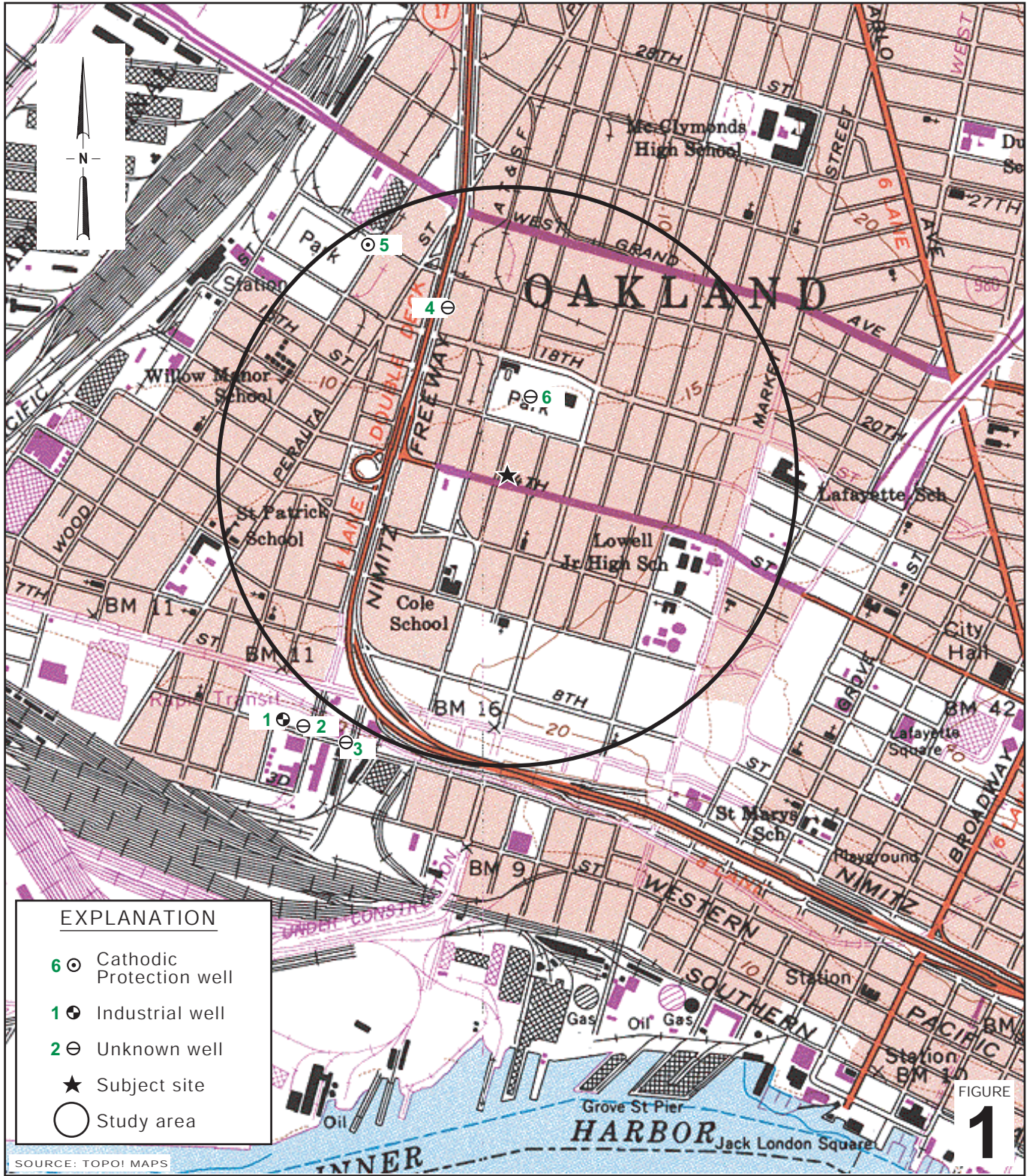
Figures:       1 - Vicinity Map  
                  2 - Groundwater Contour and Chemical Concentration Map

Attachment:    A - Blaine Tech Services, Inc. - Groundwater Monitoring Report

Conestoga-Rovers & Associates (CRA) prepared this document for use by our client and appropriate regulatory agencies. It is based partially on information available to CRA from outside sources and/or in the public domain, and partially on information supplied by CRA and its subcontractors. CRA makes no warranty or guarantee, expressed or implied, included or intended in this document, with respect to the accuracy of information obtained from these outside sources or the public domain, or any conclusions or recommendations based on information that was not independently verified by CRA. This document represents the best professional judgment of CRA. None of the work performed hereunder constitutes or shall be represented as a legal opinion of any kind or nature.

I:\Sonoma.Shell\Oakland 1230 14th\QMs\2007\3Q07\3Q07 Text 1230 14th St.doc

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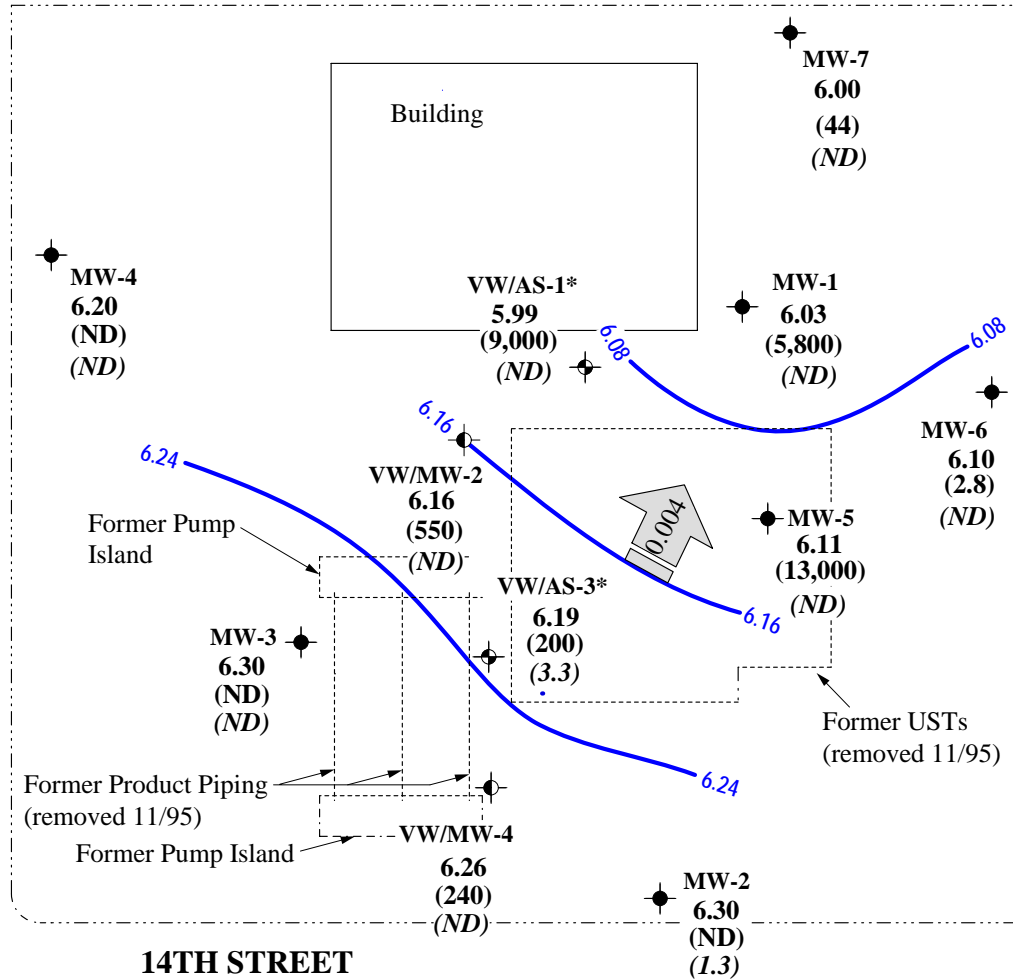
**Former Shell Service Station**  
 1230 14th Street  
 Oakland, California



**CONESTOGA-ROVERS  
 & ASSOCIATES**

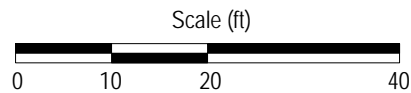
**Vicinity Map**

UNION STREET



**EXPLANATION**

- Groundwater monitoring well
- Combination air sparge/soil vapor extraction well
- Combination soil vapor extraction well/monitoring well
- Groundwater elevation contour in feet referenced to mean sea level (ft msl).
- Groundwater flow direction and gradient
- 11.20** Groundwater elevation in ft msl
- (41.3)** Benzene concentration in micrograms per liter (µg/L)
- (ND)** MTBE concentration in µg/L
- ND** Not detected at reporting limit
- NS** Not sampled
- \* Not used in contouring, well damaged



**2**

FIGURE

0233

**Former Shell Service Station**

1230 14th Street  
Oakland, California

**Groundwater Contour and Chemical Concentration Map**

August 16, 2007

**Attachment 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

September 17, 2007

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

Third Quarter 2007 Groundwater Monitoring at  
Former Shell-branded Service Station  
1230 14th Street  
Oakland, CA

Monitoring performed on June 21, July 3 and August 16,  
2007

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Groundwater Monitoring Report **070816-DW-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/jb

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

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

**WELL CONCENTRATIONS**  
**Former Shell Service Station**  
**1230 14th 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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1	03/25/1996	37,000	7,400	1,500	720	3,300	<500	NA	18.58	9.53	9.05	NA
MW-1	06/21/1996	35,000	9,900	460	340	3,500	890	NA	18.58	10.72	7.86	NA
MW-1	09/26/1996	19,000	8,200	510	780	790	<250	NA	18.58	12.88	5.70	NA
MW-1	12/19/1996	27,000	120	1,200	1,400	2,800	<100	NA	18.58	12.59	5.99	NA
MW-1	12/19/1996	32,000	12,000	1,300	1,600	3,100	830	NA	18.58	12.59	5.99	NA
MW-1	03/25/1997	39,000	13,000	1,600	840	3,100	730	NA	18.58	11.10	7.48	1.2
MW-1	06/26/1997	NA	NA	NA	NA	NA	NA	NA	18.58	12.42	6.16	NA
MW-1	09/26/1997	NA	NA	NA	NA	NA	NA	NA	18.58	13.31	5.27	0.8
MW-1	12/05/1997	NA	NA	NA	NA	NA	NA	NA	18.58	12.65	5.93	0.3
MW-1	02/19/1998	16,000	5,500	450	500	800	<500	NA	18.58	6.46	12.12	2.4
MW-1	06/08/1998	NA	NA	NA	NA	NA	NA	NA	18.58	6.62	11.96	1.2
MW-1	08/25/1998	NA	NA	NA	NA	NA	NA	NA	18.58	11.83	6.75	2.8
MW-1	12/28/1998	NA	NA	NA	NA	NA	NA	NA	18.58	12.01	6.57	2.6
MW-1	03/26/1999	NA	NA	NA	NA	NA	NA	NA	18.58	9.15	9.43	2.2
MW-1	06/30/1999	NA	NA	NA	NA	NA	NA	NA	18.58	11.22	7.36	3.8
MW-1	09/30/1999	NA	NA	NA	NA	NA	NA	NA	18.58	11.89	6.69	3.0
MW-1	12/27/1999	34,800	8,660	953	956	2,770	<1,000	NA	18.58	13.55	5.03	2.4/2.1
MW-1	01/21/2000	40,600	14,700	1,850	1,210	3,670	<500	NA	18.58	13.42	5.16	2.8
MW-1	03/07/2000	NA	NA	NA	NA	NA	NA	NA	18.58	8.11	10.47	0.4
MW-1	04/17/2000	NA	NA	NA	NA	NA	NA	NA	18.58	9.78	8.80	3.0/3.4
MW-1	04/18/2000	18,300	8,060	543	528	872	<50.0	NA	18.58	NA	NA	NA
MW-1	09/21/2000	NA	NA	NA	NA	NA	NA	NA	18.58	13.11	5.47	5.2
MW-1	10/17/2000	15,800	6,720	435	587	887	351	<66.7	18.58	12.61	5.97	1.2/0.8
MW-1	01/09/2001	NA	NA	NA	NA	NA	NA	NA	18.58	12.94	5.64	0.3
MW-1	04/27/2001	1,400	650	28	58	48	NA	<10	18.58	10.73	7.85	1.8/2.1
MW-1	07/03/2001	NA	NA	NA	NA	NA	NA	NA	18.58	12.00	6.58	1.8
MW-1	12/06/2001	4,500	1,500	85	160	210	NA	<50	18.58	10.53	8.05	2.5/2.9
MW-1	01/23/2002	NA	NA	NA	NA	NA	NA	NA	18.58	9.33	9.25	0.1
MW-1	04/17/2002	230	12	<0.50	4.6	2.5	NA	<5.0	18.58	10.49	8.09	6.3/5.3
MW-1	07/18/2002	NA	NA	NA	NA	NA	NA	NA	18.58	11.98	6.60	1.2

**WELL CONCENTRATIONS**  
**Former Shell Service Station**  
**1230 14th 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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1	11/11/2002	12,000	2,600	240	470	640	NA	8.5	18.58	13.00	5.58	0.2/0.2
MW-1	01/16/2003	NA	NA	NA	NA	NA	NA	NA	18.58	9.68	8.90	4.4
MW-1	03/13/2003	820	340	2.7	<2.0	3.2	NA	<20	18.58	10.45	8.13	2.8/0.9
MW-1	04/23/2003	900	550	19	49	49	NA	<50	18.58	10.32	8.26	0.9/0.1
MW-1	05/13/2003	740	510	18	43	46	NA	<50	18.58	10.28	8.30	0.1/0.2
MW-1	06/13/2003	<5,000	1,500	82	180	250	NA	<500	18.58	11.16	7.42	0.3/0.8
MW-1	07/14/2003	5,300	3,400	160	340	420	NA	<20	18.58	11.66	6.92	0.6/0.3
MW-1	09/29/2003	10,000	5,700	400	670	1,000	NA	<50	18.58	12.44	6.14	0.6/0.7
MW-1	10/29/2003	19,000	6,600	560	820	1,300	NA	26	18.58	12.63	5.95	0.6/0.4
MW-1	01/05/2004	380	140	7.1	6.2	16	NA	<1.0	18.58	10.17	8.41	5.0/0.8
MW-1	04/01/2004	79	0.59	<0.50	<0.50	<1.0	NA	<0.50	18.58	9.57	9.01	4.6/1.2
MW-1	07/02/2004	4,100	2,100	33	110	81	NA	<10	18.58	11.81	6.77	0.6/0.5
MW-1	11/03/2004	8,000	3,800	150	480	460	NA	<25	18.58	12.53	6.05	1.45/2.1
MW-1	01/04/2005	120	23	1.6	2.0	3.5	NA	<0.50	18.58	9.39	9.19	4.21/2.82
MW-1	04/13/2005	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	18.58	7.63	10.95	2.44/2.77
MW-1	07/13/2005	930 e	400	6.1	<5.0	10	NA	<5.0	18.58	10.85	7.73	0.84/0.66
MW-1	10/28/2005	8,300	5,500	190	590	470	NA	<25	18.58	12.44	6.14	0.2/0.2
MW-1	01/17/2006	<50	2.2	1.1	1.4	4.8	NA	<0.50	18.58	8.61	9.97	5.8/5.3
MW-1	02/23/2006	NA	18.1	2.22	1.89	4.50	NA	NA	18.58	9.60	8.98	NA
MW-1	03/09/2006	NA	1.80	<0.500	<0.500	1.82	NA	NA	18.58	7.65	10.93	NA
MW-1	04/21/2006	<50.0	1.54	1.03	4.20	5.82	NA	<0.500	18.58	6.35	12.23	NA
MW-1	05/01/2006	268	41.3	4.62	3.83	26.1	NA	<0.500	18.58	7.38	11.20	0.27/0.36
MW-1	06/23/2006	3,990	362	13.1	12.4	71.5	NA	<0.500	18.58	10.09	8.49	NA
MW-1	07/11/2006	6,190	3,740	52.0	67.8	982	NA	<0.500	18.58	10.09	8.49	NA
MW-1	08/30/2006	29,200	7,380	596	443	1,680	NA	4.45	18.58	11.55	7.03	0.39/0.52
MW-1	09/29/2006	76,100	9,300	859 i	1,290	2,820 i	NA	<5.00	18.58	11.97	6.61	NA
MW-1	10/13/2006	49,500	7,580	770	1,030	2,860	NA	2.75	18.58	12.08	6.50	NA
MW-1	11/03/2006	42,600	8,450	592	869	1,970	NA	2.69	18.58	12.47	6.11	2.60/1.15
MW-1	12/26/2006	19,000	4,600	360	640	1,300	NA	<5.0	18.58	11.80	6.78	NA
MW-1	01/11/2007	23,000	6,000	320	780	1,100	NA	<25	18.58	11.84	6.74	NA

**WELL CONCENTRATIONS**  
**Former Shell Service Station**  
**1230 14th 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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1	01/30/2007	3,700	890	74	170	220	NA	<25	18.58	12.18	6.40	1.18/0.76
MW-1	03/01/2007	2,600	670	32	41	180	NA	<10	18.58	10.74	7.84	NA
MW-1	04/26/2007	12,000 k,l	2,800	220	400	560	NA	<20	18.58	10.90	7.68	NA
MW-1	06/01/2007	15,000 k	3,900	380	670	1,010	NA	1.8	18.58	11.49	7.09	0.31/0.43
<b>MW-1</b>	<b>06/21/2007</b>	<b>13,000 k</b>	<b>3,800</b>	<b>400</b>	<b>620</b>	<b>1,060</b>	<b>NA</b>	<b>&lt;50</b>	<b>18.58</b>	<b>12.07</b>	<b>6.51</b>	<b>NA</b>
<b>MW-1</b>	<b>07/03/2007</b>	<b>21,000 k</b>	<b>6,100</b>	<b>510</b>	<b>960</b>	<b>1,760</b>	<b>NA</b>	<b>&lt;50</b>	<b>18.58</b>	<b>12.00</b>	<b>6.58</b>	<b>NA</b>
<b>MW-1</b>	<b>08/16/2007</b>	<b>20,000 k</b>	<b>5,800</b>	<b>460</b>	<b>1,100</b>	<b>1,730</b>	<b>NA</b>	<b>&lt;50</b>	<b>18.58</b>	<b>12.55</b>	<b>6.03</b>	<b>0.3/0.2</b>
MW-2	03/25/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	17.90	8.19	9.71	NA
MW-2	06/21/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	17.90	9.94	7.96	NA
MW-2	09/26/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	17.90	12.15	5.75	NA
MW-2	12/19/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	17.90	11.70	6.20	NA
MW-2	03/25/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	17.90	9.25	8.65	1.8
MW-2	06/26/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	17.90	11.36	6.54	2.4
MW-2	09/26/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	17.90	12.56	5.34	1.1
MW-2	09/26/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	17.90	12.56	5.34	1.1
MW-2	12/05/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	17.90	11.15	6.75	0.7
MW-2	02/19/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	17.90	5.61	12.29	2.7
MW-2	06/08/1998	<50	<0.30	<0.30	<0.30	<0.60	<10	NA	17.90	5.58	12.32	3.2
MW-2	08/25/1998	NA	NA	NA	NA	NA	NA	NA	17.90	10.67	7.23	1.7
MW-2	12/28/1998	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	17.90	11.65	6.25	0.4/0.8
MW-2	03/26/1999	NA	NA	NA	NA	NA	NA	NA	17.90	8.60	9.30	0.7
MW-2	06/30/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	17.90	10.30	7.60	2.3
MW-2	09/30/1999	NA	NA	NA	NA	NA	NA	NA	17.90	10.77	7.13	1.9
MW-2	12/27/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	17.90	12.21	5.69	0.7/0.7
MW-2	03/07/2000	NA	NA	NA	NA	NA	NA	NA	17.90	7.13	10.77	1.1
MW-2	04/17/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	17.90	8.35	9.55	1.8/1.8
MW-2	09/21/2000	NA	NA	NA	NA	NA	NA	NA	17.90	11.76	6.14	2.1
MW-2	10/17/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	17.90	11.80	6.10	0.9/0.6
MW-2	01/09/2001	NA	NA	NA	NA	NA	NA	NA	17.90	12.14	5.76	0.7

**WELL CONCENTRATIONS**  
**Former Shell Service Station**  
**1230 14th 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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-2	04/27/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	17.90	9.85	8.05	1.1/0.9
MW-2	07/03/2001	NA	NA	NA	NA	NA	NA	NA	17.90	11.20	6.70	1.2
MW-2	12/06/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	17.90	10.77	7.13	3.9/2.1
MW-2	01/23/2002	NA	NA	NA	NA	NA	NA	NA	17.90	8.64	9.26	2.5
MW-2	04/17/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	17.90	9.61	8.29	3.5/5.2
MW-2	07/18/2002	NA	NA	NA	NA	NA	NA	NA	17.90	11.09	6.81	1.4
MW-2	11/11/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	17.90	12.16	5.74	0.2/0.3
MW-2	01/16/2003	NA	NA	NA	NA	NA	NA	NA	17.90	8.92	8.98	1.7
MW-2	03/13/2003	NA	NA	NA	NA	NA	NA	NA	17.90	9.60	8.30	1.1
MW-2	04/23/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	17.90	9.48	8.42	0.4/0.2
MW-2	05/13/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	17.90	9.45	8.45	0.5/0.3
MW-2	06/13/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	17.90	10.28	7.62	0.6/0.9
MW-2	07/14/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	17.90	10.67	7.23	0.5/0.9
MW-2	09/29/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	17.90	11.58	6.32	1.9/1.3
MW-2	10/29/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	17.90	11.76	6.14	4.3/0.5
MW-2	01/05/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	17.90	9.36	8.54	1.2/0.8
MW-2	04/01/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	17.90	8.77	9.13	4.0/0.3
MW-2	07/02/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	17.90	11.04	6.86	0.4/0.3
MW-2	11/03/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	0.54	17.90	11.71	6.19	6.4/1.40
MW-2	01/04/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	0.62	17.90	8.68	9.22	4.41/2.88
MW-2	04/13/2005	<50	<0.50	<0.50	<0.50	<0.50	NA	1.7	17.90	7.13	10.77	0.71/0.23
MW-2	07/13/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	2.3	17.90	10.30	7.60	0.90/0.33
MW-2	10/28/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	4.2	17.90	11.61	6.29	0.4/0.1
MW-2	01/17/2006	<50	<0.50	<0.50	<0.50	<0.50	NA	5.0	17.90	8.21	9.69	0.8/0.2
MW-2	03/09/2006	NA	NA	NA	NA	NA	NA	NA	17.90	7.70	10.20	NA
MW-2	04/21/2006	NA	NA	NA	NA	NA	NA	NA	17.90	5.83	12.07	NA
MW-2	05/01/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	4.33	17.90	6.34	11.56	0.52/0.18
MW-2	08/30/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	1.98	17.90	10.71	7.19	0.51/1.04
MW-2	09/29/2006	NA	NA	NA	NA	NA	NA	NA	17.90	11.03	6.87	NA
MW-2	11/03/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	3.08	17.90	11.62	6.28	0.44/0.40

**WELL CONCENTRATIONS**  
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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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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MW-2	01/30/2007	<50	<0.50	<0.50	<0.50	<1.0	NA	2.9	17.90	11.30	6.60	0.92/0.63
MW-2	06/01/2007	<50 k	0.71	<1.0	0.20 m	0.39 m	NA	1.7	17.90	10.52	7.38	0.71/0.56
<b>MW-2</b>	<b>08/16/2007</b>	<b>&lt;50 k</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>1.3</b>	<b>17.90</b>	<b>11.60</b>	<b>6.30</b>	<b>0.5/0.2</b>

MW-3	03/25/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.18	8.47	9.71	NA
MW-3	06/21/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.18	10.40	7.78	NA
MW-3	09/26/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.18	12.45	5.73	NA
MW-3	12/19/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	18.18	12.14	6.02	NA
MW-3	03/25/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.18	9.54	8.64	2.2
MW-3	06/26/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.18	11.66	6.52	3.6
MW-3	09/26/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.18	12.85	5.33	1.1
MW-3	12/05/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.18	11.44	6.74	0.6
MW-3	02/19/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.18	6.78	11.40	3.6
MW-3	06/08/1998	<50	<0.30	<0.30	<0.30	<0.60	<10	NA	18.18	6.82	11.36	3.8
MW-3	06/08/1998	<50	<0.30	<0.30	<0.30	<0.60	<10	NA	18.18	6.82	11.36	3.8
MW-3	08/25/1998	NA	NA	NA	NA	NA	NA	NA	18.18	11.09	7.09	1.2
MW-3	12/28/1998	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	18.18	11.84	6.34	0.9/0.6
MW-3	03/26/1999	NA	NA	NA	NA	NA	NA	NA	18.18	8.57	9.61	0.8
MW-3	06/30/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	18.18	10.61	7.57	4.8
MW-3	09/30/1999	NA	NA	NA	NA	NA	NA	NA	18.18	11.53	6.65	1.4
MW-3	12/27/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	18.18	12.35	5.83	1.4/2.5
MW-3	03/07/2000	NA	NA	NA	NA	NA	NA	NA	18.17	7.36	10.81	5.8
MW-3	04/17/2000	<50.0	<0.500	<0.500	<0.500	<0.500	19.3	NA	18.17	8.39	9.78	6.5/5.1
MW-3	09/21/2000	NA	NA	NA	NA	NA	NA	NA	18.17	12.01	6.16	3.0
MW-3	10/17/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	18.17	12.10	6.07	2.0/1.0
MW-3	01/09/2001	NA	NA	NA	NA	NA	NA	NA	18.17	12.43	5.74	1.9
MW-3	04/27/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	18.17	10.10	8.07	2.3/2.4
MW-3	07/03/2001	NA	NA	NA	NA	NA	NA	NA	18.17	11.45	6.72	1.4
MW-3	12/06/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	18.17	11.07	7.10	2.8/3.9
MW-3	01/23/2002	NA	NA	NA	NA	NA	NA	NA	18.17	8.89	9.28	3.1

**WELL CONCENTRATIONS**  
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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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-3	04/17/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	18.17	9.92	8.25	3.7/3.2
MW-3	07/18/2002	NA	NA	NA	NA	NA	NA	NA	18.17	11.42	6.75	1.6
MW-3	11/11/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	18.17	12.44	5.73	0.3/0.4
MW-3	01/16/2003	NA	NA	NA	NA	NA	NA	NA	18.17	9.25	8.92	2.1
MW-3	03/13/2003	NA	NA	NA	NA	NA	NA	NA	18.17	9.84	8.33	1.2
MW-3	04/23/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	18.17	9.71	8.46	0.7/0.2
MW-3	05/13/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	18.17	9.70	8.47	0.6/0.2
MW-3	06/13/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	18.17	10.58	7.59	0.4/1.3
MW-3	07/14/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	18.17	10.98	7.19	0.4/0.3
MW-3	09/29/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	18.17	11.84	6.33	1.4/1.1
MW-3	10/29/2003	58 b	<0.50	<0.50	<0.50	<1.0	NA	<0.50	18.17	12.05	6.12	0.8/0.4
MW-3	01/05/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	18.17	9.70	8.47	1.3/0.7
MW-3	04/01/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	18.17	9.03	9.14	1.2/0.6
MW-3	07/02/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	18.17	11.15	7.02	0.7/0.5
MW-3	11/03/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	18.17	11.98	6.19	1.65/2.75
MW-3	01/04/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	18.17	8.98	9.19	3.21/1.87
MW-3	04/13/2005	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	18.17	7.22	10.95	4.92/5.28
MW-3	07/13/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	18.17	10.30	7.87	0.30/0.40
MW-3	10/28/2005	<50 f	<0.50	<0.50	<0.50	<1.0	NA	<0.50	18.17	11.81	6.36	0.8/0.2
MW-3	01/17/2006	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	18.17	8.17	10.00	3.1/2.0
MW-3	03/09/2006	NA	NA	NA	NA	NA	NA	NA	18.17	6.45	11.72	NA
MW-3	04/21/2006	NA	NA	NA	NA	NA	NA	NA	18.17	5.96	12.21	NA
MW-3	05/01/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	18.17	6.40	11.77	0.68/0.42
MW-3	08/30/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	18.17	10.95	7.22	3.53/3.14
MW-3	09/29/2006	NA	NA	NA	NA	NA	NA	NA	18.17	11.40	6.77	NA
MW-3	11/03/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	18.17	11.91	6.26	7.0/6.8
MW-3	01/30/2007	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	18.17	11.55	6.62	1.45/1.10
MW-3	06/01/2007	<50 k	0.34 m	<1.0	<1.0	<1.0	NA	<1.0	18.17	10.86	7.31	0.62/0.56
<b>MW-3</b>	<b>08/16/2007</b>	<b>&lt;50 k</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>18.17</b>	<b>11.87</b>	<b>6.30</b>	<b>0.2/0.2</b>

**WELL CONCENTRATIONS**  
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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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-4	03/25/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	9.20	8.81	NA
MW-4	06/21/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	10.25	7.76	NA
MW-4	09/26/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	12.29	5.72	NA
MW-4	12/19/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	18.01	12.47	5.54	NA
MW-4	03/25/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	9.44	8.57	1.8
MW-4	06/26/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	11.57	6.44	6.2
MW-4 (D)	06/26/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	11.57	6.44	6.2
MW-4	09/26/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	12.75	5.26	2.1
MW-4	12/05/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	11.37	6.64	1.0
MW-4 (D)	12/05/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	11.37	6.64	1.0
MW-4	02/19/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	18.01	5.59	12.42	6.5
MW-4	06/08/1998	<50	<0.30	<0.30	<0.30	<0.60	<10	NA	18.01	5.65	12.36	2.6
MW-4	08/25/1998	NA	NA	NA	NA	NA	NA	NA	18.01	10.98	7.03	2.4
MW-4	12/28/1998	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	18.01	11.83	6.18	1.3/1.2
MW-4	03/26/1999	NA	NA	NA	NA	NA	NA	NA	18.01	8.40	9.61	1.9
MW-4	06/30/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	18.01	10.53	7.48	7.6
MW-4	09/30/1999	NA	NA	NA	NA	NA	NA	NA	18.01	11.03	6.98	2.6
MW-4	12/27/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	18.01	12.53	5.48	1.9/0.8
MW-4	03/07/2000	NA	NA	NA	NA	NA	NA	NA	18.01	7.00	11.01	6.5
MW-4	04/17/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	18.01	8.57	9.44	5.1/5.1
MW-4	09/21/2000	NA	NA	NA	NA	NA	NA	NA	18.01	12.05	5.96	3.0
MW-4	10/17/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	18.01	11.96	6.05	5.5/1.2
MW-4	01/09/2001	NA	NA	NA	NA	NA	NA	NA	18.01	12.33	5.68	2.1
MW-4	04/27/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	18.01	9.96	8.05	5.3/3.8
MW-4	07/03/2001	NA	NA	NA	NA	NA	NA	NA	18.01	11.35	6.66	4.5
MW-4	12/06/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	18.01	10.99	7.02	10.23/6.5
MW-4	01/23/2002	NA	NA	NA	NA	NA	NA	NA	18.01	8.80	9.21	8.8
MW-4	04/17/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	18.01	9.75	8.26	7.0/5.1
MW-4	07/18/2002	NA	NA	NA	NA	NA	NA	NA	18.01	11.32	6.69	5.3
MW-4	11/11/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	18.01	12.36	5.65	3.6/2.0



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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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-4	01/16/2003	NA	NA	NA	NA	NA	NA	NA	18.01	10.33	7.68	6.5
MW-4	03/13/2003	NA	NA	NA	NA	NA	NA	NA	18.01	10.06	7.95	6.5
MW-4	04/23/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	18.01	9.57	8.44	5.1/5.7
MW-4	05/13/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	18.01	9.55	8.46	2.0/2.5
MW-4	06/13/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	18.01	10.50	7.51	5.0/5.6
MW-4	07/14/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	18.01	10.86	7.15	3.9/4.2
MW-4	09/29/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	18.01	11.74	6.27	1.6/1.4
MW-4	10/29/2003	58 b	<0.50	<0.50	<0.50	<1.0	NA	<0.50	18.01	11.95	6.06	2.4/1.0
MW-4	01/05/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	18.01	10.35	7.66	7.4/7.5
MW-4	04/01/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	18.01	8.81	9.20	6.0/6.4
MW-4	07/02/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	18.01	11.10	6.91	0.8/0.6
MW-4	11/03/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	18.01	11.85	6.16	1.3/2.84
MW-4	01/04/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	18.01	9.06	8.95	7.12/6.37
MW-4	04/13/2005	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	18.01	6.84	11.17	5.81/5.66
MW-4	07/13/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	18.01	10.20	7.81	1.87/3.75
MW-4	10/28/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	18.01	11.75	6.26	1.4/0.8
MW-4	01/17/2006	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	18.01	8.00	10.01	6.4/6.2
MW-4	03/09/2006	NA	NA	NA	NA	NA	NA	NA	18.01	6.55	11.46	NA
MW-4	04/21/2006	NA	NA	NA	NA	NA	NA	NA	18.01	5.45	12.56	NA
MW-4	05/01/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	18.01	6.14	11.87	1.09/0.72
MW-4	08/30/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	18.01	10.82	7.19	4.31/4.35
MW-4	09/29/2006	NA	NA	NA	NA	NA	NA	NA	18.01	11.29	6.72	NA
MW-4	11/03/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	18.01	11.81	6.20	3.30/2.40
MW-4	01/30/2007	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	18.01	11.45	6.56	1.67/0.94
MW-4	06/01/2007	67 k	<0.50	<1.0	<1.0	<1.0	NA	<1.0	18.01	10.72	7.29	0.93/0.81
<b>MW-4</b>	<b>08/16/2007</b>	<b>&lt;50 k</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>18.01</b>	<b>11.81</b>	<b>6.20</b>	<b>0.5/1.3</b>
MW-5	12/03/2001	NA	NA	NA	NA	NA	NA	NA	18.47	11.86	6.61	NA
MW-5	12/06/2001	31,000	3,000	2,000	1,100	3,000	NA	<50	18.47	11.40	7.07	3.1/3.2
MW-5	01/23/2002	NA	NA	NA	NA	NA	NA	NA	18.47	9.24	9.23	0.9

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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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-5	04/17/2002	33,000	3,800	2,400	1,300	4,400	NA	<200	18.47	10.35	8.12	5.3/3.8
MW-5	07/18/2002	NA	NA	NA	NA	NA	NA	NA	18.47	11.82	6.65	0.8
MW-5	11/11/2002	100,000	7,100	12,000	3,000	17,000	NA	5.1	18.47	12.86	5.61	1.2/1.4
MW-5	01/16/2003	NA	NA	NA	NA	NA	NA	NA	18.47	9.57	8.90	0.0
MW-5	03/13/2003	33,000	2,800	2,200	980	4,600	NA	<100	18.47	10.30	8.17	0.5/0.3
MW-5	04/07/2003	NA	NA	NA	NA	NA	NA	NA	18.47	10.29	8.18	NA
MW-5	04/23/2003	33,000	2,900	3,100	960	5,800	NA	<250	18.47	10.15	8.32	0.1/0.1
MW-5	05/13/2003	30,000	2,600	1,500	850	4,500	NA	<250	18.47	10.12	8.35	0.4/0.3
MW-5	06/13/2003	33,000	3,400	2,300	1,000	4,400	NA	<500	18.47	11.00	7.47	0.3/0.3
MW-5	07/14/2003	41,000	5,100	3,500	1,400	5,100	NA	<50	18.47	11.39	7.08	0.5/0.5
MW-5	09/29/2003	59,000	6,600	4,200	1,500	6,500	NA	<50	18.47	12.24	6.23	0.6/0.5
MW-5	10/29/2003	45,000	6,800	3,500	1,500	6,400	NA	21	18.47	12.45	6.02	0.5/0.3
MW-5	01/05/2004	26,000	4,900	1,700	1,100	3,300	NA	<50	18.47	9.97	8.50	0.9/1.2
MW-5	04/01/2004	29,000	5,300	2,700	880	2,900	NA	<50	18.47	9.43	9.04	0.3/1.0
MW-5	07/02/2004	19,000	5,300	740	1,100	1,400	NA	<50	18.47	11.62	6.85	0.4/0.5
MW-5	11/03/2004	31,000	7,500	2,300	1,400	4,400	NA	<50	18.47	12.26	6.21	2.5/1.9
MW-5	01/04/2005	18,000	3,500	1,200	730	2,300	NA	<25	18.47	9.13	9.34	0.44/1.64
MW-5	04/13/2005	7,000	100	460	180	880	NA	<1.0	18.47	7.60	10.87	0.17/0.45
MW-5	07/13/2005	9,400	2,400	840	440	1,100	NA	<13	18.47	10.63	7.84	0.13/0.27
MW-5	10/28/2005	28,000	16,000	2,900	1,400	3,100	NA	<50	18.47	12.14	6.33	0.3/1.3
MW-5	01/17/2006	6,700	1,200	720	400	1,500	NA	1.3	18.47	8.52	9.95	0.6/2.6
MW-5	02/23/2006	NA	4,630	1,470	709	2,310	NA	NA	18.47	9.22	9.25	NA
MW-5	03/09/2006	NA	474	90.3	63.3	169	NA	NA	18.47	7.15	11.32	NA
MW-5	04/21/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	18.47	5.82	12.65	NA
MW-5	05/01/2006	779	6.77	41.1	20.0	130	NA	<0.500	18.47	7.23	11.24	0.39/1.52
MW-5	06/23/2006	22,600	2,830	557	469	1,210	NA	<0.500	18.47	10.06	8.41	NA
MW-5	07/11/2006	31,100	3,880	2,080	857	3,700	NA	<0.500	18.47	10.06	8.41	NA
MW-5	08/30/2006	28,200	4,840	1,320	705	2,430	NA	5.35	18.47	11.32	7.15	0.47/3.64
MW-5	09/29/2006	94,900	10,100	2,960	1,810	5,310 i	NA	7.20	18.47	11.81	6.66	NA
MW-5	10/13/2006	48,200	7,710	1,360	1,250	3,460	NA	5.64	18.47	12.01	6.46	NA

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MW-5	11/03/2006	50,600	11,300	1,730	1,250	3,840	NA	<0.500	18.47	12.31	6.16	0.60/4.10
MW-5	12/26/2006	32,000	11,000	780	1,200	2,800	NA	<10	18.47	11.58	6.89	NA
MW-5	01/11/2007	35,000	11,000	1,100	1,200	3,100	NA	<50	18.47	11.61	6.86	NA
MW-5	01/30/2007	27,000	9,800	610	860	2,400	NA	<50	18.47	11.95	6.52	0.87/0.62
MW-5	03/01/2007	23,000	9,400	640	1,200	3,100	NA	<50	18.47	10.95	7.52	NA
MW-5	04/26/2007	48,000 k,l	14,000	1,300	1,600	3,600	NA	<100	18.47	10.69	7.78	NA
MW-5	06/01/2007	54,000 k	15,000	2,800	2,200	6,100	NA	<100	18.47	11.25	7.22	0.44/0.87
<b>MW-5</b>	<b>06/21/2007</b>	<b>32,000 k</b>	<b>12,000</b>	<b>1,200</b>	<b>1,400</b>	<b>2,780</b>	<b>NA</b>	<b>&lt;100</b>	<b>18.47</b>	<b>11.96</b>	<b>6.51</b>	<b>NA</b>
<b>MW-5</b>	<b>07/03/2007</b>	<b>41,000 k</b>	<b>15,000</b>	<b>1,800</b>	<b>1,900</b>	<b>4,050</b>	<b>NA</b>	<b>&lt;100</b>	<b>18.47</b>	<b>11.81</b>	<b>6.66</b>	<b>NA</b>
<b>MW-5</b>	<b>08/16/2007</b>	<b>43,000 k,l</b>	<b>13,000</b>	<b>2,000</b>	<b>2,000</b>	<b>4,150</b>	<b>NA</b>	<b>&lt;100</b>	<b>18.47</b>	<b>12.36</b>	<b>6.11</b>	<b>0.6/0.1</b>

MW-6	12/03/2001	NA	NA	NA	NA	NA	NA	NA	18.84	12.19	6.65	NA
MW-6	12/06/2001	76	5.7	3.8	1.4	7.0	NA	<5.0	18.84	11.70	7.14	6.3/6.1
MW-6	01/23/2002	NA	NA	NA	NA	NA	NA	NA	18.84	9.57	9.27	8.7
MW-6	04/17/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	18.84	10.73	8.11	9.8/9.1
MW-6	07/18/2002	NA	NA	NA	NA	NA	NA	NA	18.84	12.27	6.57	1.7
MW-6	11/11/2002	580	55	<0.50	<0.50	2.8	NA	<5.0	18.84	13.24	5.60	0.3/0.6
MW-6	01/16/2003	NA	NA	NA	NA	NA	NA	NA	18.84	9.89	8.95	6.4
MW-6	03/13/2003	NA	NA	NA	NA	NA	NA	NA	18.84	10.66	8.18	5.5
MW-6	04/23/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	18.84	10.57	8.27	3.7/4.4
MW-6	05/13/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	18.84	10.56	8.28	3.5/3.0
MW-6	06/13/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	18.84	11.48	7.36	2.7/3.1
MW-6	07/14/2003	230 b	3.4	<0.50	<0.50	<1.0	NA	<0.50	18.84	11.83	7.01	1.8/1.3
MW-6	09/29/2003	910 b	46	<2.5	<2.5	<5.0	NA	<2.5	18.84	12.70	6.14	1.1/1.0
MW-6	10/29/2003	830	38	0.53	<0.50	3.3	NA	0.60	18.84	12.91	5.93	1.2/0.9
MW-6	01/05/2004	93	0.92	<0.50	<0.50	<1.0	NA	<0.50	18.84	10.35	8.49	6.2/4.3
MW-6	04/01/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	18.84	9.80	9.04	3.5/3.4
MW-6	07/02/2004	370	3.0	<0.50	<0.50	<1.0	NA	<0.50	18.84	12.09	6.75	0.6/1.0
MW-6	11/03/2004	540	22	0.73	<0.50	1.5	NA	0.82	18.84	12.84	6.00	2.28/0.84
MW-6	01/04/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	18.84	9.55	9.29	6.71/5.16

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MW-6	04/13/2005	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	18.84	7.89	10.95	2.99/2.87
MW-6	07/13/2005	170	6.2	1.1	<0.50	<1.0	NA	0.71	18.84	11.13	7.71	0.10/1.32
MW-6	10/28/2005	490	22	<0.50	<0.50	<1.0	NA	<0.50	18.84	12.74	6.10	0.6/0.3
MW-6	01/17/2006	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	18.84	8.80	10.04	5.3/4.9
MW-6	02/23/2006	NA	<0.500	<0.500	<0.500	<0.500	NA	NA	18.84	9.54	9.30	NA
MW-6	03/09/2006	NA	<0.500	<0.500	<0.500	<0.500	NA	NA	18.84	7.25	11.59	NA
MW-6	04/21/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	18.84	6.34	12.50	NA
MW-6	05/01/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	18.84	7.32	11.52	0.72/0.63
MW-6	06/23/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	18.84	10.12	8.72	NA
MW-6	07/11/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	18.84	10.12	8.72	NA
MW-6	08/30/2006	<50.0	3.32	<0.500	<0.500	<0.500	NA	<0.500	18.84	11.79	7.05	0.80/0.86
MW-6	09/29/2006	<50.0	1.59	<0.500	<0.500	<0.500	NA	<0.500	18.84	12.32	6.52	NA
MW-6	10/13/2006	934	3.14	<0.500	<0.500	<0.500	NA	<0.500	18.84	12.38	6.46	NA
MW-6	11/03/2006	112	10.6	<0.500	<0.500	<0.500	NA	<0.500	18.84	12.77	6.07	3.80/1.10
MW-6	12/26/2006	690	62	<0.50	<0.50	4.5	NA	<0.50	18.84	12.05	6.79	NA
MW-6	01/11/2007	660	11	<0.50	<0.50	2.3	NA	<0.50	18.84	12.12	6.72	NA
MW-6	01/30/2007	310	1.5	<0.50	<0.50	<1.0	NA	<0.50	18.84	12.44	6.40	1.47/0.81
MW-6	03/01/2007	360	3.6	<0.50	<0.50	0.87	NA	<0.50	18.84	10.97	7.87	NA
MW-6	04/26/2007	210 k	0.72	<1.0	<1.0	<1.0	NA	<1.0	18.84	11.18	7.66	NA
MW-6	06/01/2007	640 k	3.1	<1.0	<1.0	0.27 m	NA	<1.0	18.84	11.72	7.12	0.69/0.50
<b>MW-6</b>	<b>06/21/2007</b>	<b>390 k</b>	<b>3.0</b>	<b>&lt;1.0</b>	<b>&lt;1.0</b>	<b>0.17 m</b>	<b>NA</b>	<b>&lt;1.0</b>	<b>18.84</b>	<b>12.22</b>	<b>6.62</b>	<b>NA</b>
<b>MW-6</b>	<b>07/03/2007</b>	<b>360 k</b>	<b>3.0</b>	<b>&lt;1.0</b>	<b>0.36 m</b>	<b>1.2</b>	<b>NA</b>	<b>&lt;1.0</b>	<b>18.84</b>	<b>12.22</b>	<b>6.62</b>	<b>NA</b>
<b>MW-6</b>	<b>08/16/2007</b>	<b>400 k,l</b>	<b>2.8</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>18.84</b>	<b>12.74</b>	<b>6.10</b>	<b>0.4/0.1</b>

MW-7	12/03/2001	NA	NA	NA	NA	NA	NA	NA	19.20	12.66	6.54	NA
MW-7	12/06/2001	1,800	390	<2.0	6.2	<2.0	NA	<20	19.20	12.20	7.00	3.9/3.8
MW-7	01/23/2002	NA	NA	NA	NA	NA	NA	NA	19.20	10.00	9.20	9.4
MW-7	04/17/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	19.20	11.21	7.99	8.8/7.3
MW-7	07/18/2002	NA	NA	NA	NA	NA	NA	NA	19.20	12.69	6.51	0.8
MW-7	11/11/2002	3,000	190	<0.50	<0.50	4.3	NA	5.2	19.20	13.69	5.51	0.4/0.8

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MW-7	01/16/2003	NA	NA	NA	NA	NA	NA	NA	19.20	10.36	8.84	7.9
MW-7	03/13/2003	NA	NA	NA	NA	NA	NA	NA	19.20	11.16	8.04	5.2
MW-7	04/23/2003	250	48	<0.50	<0.50	<1.0	NA	<5.0	19.20	11.02	8.18	3.2/1.3
MW-7	05/13/2003	1,700	550	<2.5	<2.5	<5.0	NA	<25	19.20	11.00	8.20	2.0/1.5
MW-7	06/13/2003	1,500 b	470	<2.5	<2.5	<5.0	NA	<25	19.20	11.90	7.30	1.8/1.6
MW-7	07/14/2003	1300 b	1,200	<10	<10	<20	NA	<10	19.20	12.29	6.91	0.4/0.2
MW-7	09/29/2003	5,200	1,200	<10	<10	<20	NA	<10	19.20	13.12	6.08	0.9/0.9
MW-7	10/29/2003	4,800	1,100	<5.0	<5.0	<10	NA	8.9	19.20	13.34	5.86	0.4/0.3
MW-7	01/05/2004	53	6.7	<0.50	<0.50	<1.0	NA	<0.50	19.20	10.85	8.35	1.4/2.3
MW-7	04/01/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	19.20	10.28	8.92	5.5/6.2
MW-7	07/02/2004	8,100 d	3,400	<25	<25	<50	NA	<25	19.20	12.48	6.72	0.8/0.8
MW-7	11/03/2004	3,700	1,200	<5.0	<5.0	<10	NA	<5.0	19.20	13.25	5.95	1.9/0.8
MW-7	01/04/2005	<50	2.0	<0.50	<0.50	<1.0	NA	<0.50	19.20	10.02	9.18	6.31/5.71
MW-7	04/13/2005	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	19.20	8.46	10.74	5.87/5.89
MW-7	07/13/2005	1,100	380	9.2	<2.5	37	NA	<2.5	19.20	11.57	7.63	0.30/0.33
MW-7	10/28/2005	5,100	2,900	<13	<13	<25	NA	<13	19.20	13.15	6.05	0.6/0.9
MW-7	01/17/2006	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	19.20	9.30	9.90	6.4/7.4
MW-7	02/23/2006	NA	<0.500	<0.500	<0.500	<0.500	NA	NA	19.20	10.03	9.17	NA
MW-7	03/09/2006	NA	<0.500	<0.500	<0.500	<0.500	NA	NA	19.20	7.70	11.50	NA
MW-7	04/21/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	19.20	6.66	12.54	NA
MW-7	05/01/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	19.20	7.72	11.48	0.67/0.98
MW-7	06/23/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	19.20	10.55	8.65	NA
MW-7	07/11/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	19.20	10.55	8.65	NA
MW-7	08/30/2006	1,520	150	13.3	5.78	53.0	NA	0.640	19.20	12.35	6.85	0.52/0.79
MW-7	09/29/2006	2,420	384	1.80	<0.500	5.44	NA	0.850	19.20	12.66	6.54	NA
MW-7	10/13/2006	5,980	549	0.540	0.680	11.7	NA	0.930	19.20	12.85	6.35	NA
MW-7	11/03/2006	3,190	501	<0.500	<0.500	5.38	NA	0.560	19.20	13.73	5.47	2.2/1.4
MW-7	12/26/2006	4,600	570	<0.50	44	2.1	NA	<0.50	19.20	12.51	6.69	NA
MW-7	01/11/2007	3,900	490	<2.5	46	<5.0	NA	<2.5	19.20	12.55	6.65	NA
MW-7	01/30/2007	2,500	380	<2.5	40	<5.0	NA	<2.5	19.20	12.89	6.31	1.37/0.90

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MW-7	03/01/2007	2,600	350	<2.5	35	3.5	NA	<2.5	19.20	11.45	7.75	NA
MW-7	04/26/2007	2,300 k	290	<5.0	31	1.3 m	NA	<5.0	19.20	11.62	7.58	NA
MW-7	06/01/2007	4,400 k	350	<2.0	19	<2.0	NA	1.1 m	19.20	12.23	6.97	0.04/0.71
<b>MW-7</b>	<b>06/21/2007</b>	<b>2,600 k</b>	<b>260</b>	<b>&lt;2.0</b>	<b>12</b>	<b>&lt;2.0</b>	<b>NA</b>	<b>1.4 m</b>	<b>19.20</b>	<b>12.67</b>	<b>6.53</b>	<b>NA</b>
<b>MW-7</b>	<b>07/03/2007</b>	<b>1,700 k</b>	<b>170</b>	<b>&lt;1.0</b>	<b>7.7</b>	<b>0.86 m</b>	<b>NA</b>	<b>&lt;1.0</b>	<b>19.20</b>	<b>12.76</b>	<b>6.44</b>	<b>NA</b>
<b>MW-7</b>	<b>08/16/2007</b>	<b>1,900 k</b>	<b>44</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>19.20</b>	<b>13.20</b>	<b>6.00</b>	<b>0.5/1.1</b>

VW/MW-2	03/25/1996	13,000	900	920	180	1,500	<250	NA	18.30	9.04	9.26	NA
VW/MW-2	06/21/1996	27,000	4,100	1,100	1,400	3,200	700	NA	18.30	10.48	7.82	NA
VW/MW-2	09/26/1996	27,000	5,300	1,900	980	2,200	<500	NA	18.30	12.52	5.78	NA
VW/MW-2 (D)	09/26/1996	29,000	5,800	2,200	1,100	2,500	<250	NA	18.30	12.52	5.78	NA
VW/MW-2	12/19/1996	50,000	6,200	5,100	1,700	5,600	590	NA	18.30	12.42	5.88	NA
VW/MW-2	03/25/1997	210	5.6	<0.50	0.52	<0.50	14	NA	18.30	9.83	8.47	2.0
VW/MW-2 (D)	03/25/1997	250	1.7	0.58	0.51	<0.50	4.7	NA	18.30	9.83	8.47	2.0
VW/MW-2	06/26/1997	NA	NA	NA	NA	NA	NA	NA	18.30	12.43	5.87	NA
VW/MW-2	09/26/1997	NA	NA	NA	NA	NA	NA	NA	18.30	12.98	5.32	0.9
VW/MW-2	12/05/1997	NA	NA	NA	NA	NA	NA	NA	18.30	12.20	6.10	0.4
VW/MW-2	02/19/1998	<50	1.5	<0.50	<0.50	0.71	<2.5	NA	18.30	5.83	12.47	3.6
VW/MW-2	06/08/1998	NA	NA	NA	NA	NA	NA	NA	18.30	5.80	12.50	1.0
VW/MW-2	08/25/1998	NA	NA	NA	NA	NA	NA	NA	18.30	11.72	6.58	4.8
VW/MW-2	12/28/1998	NA	NA	NA	NA	NA	NA	NA	18.30	11.69	6.61	2.7
VW/MW-2	03/26/1999	NA	NA	NA	NA	NA	NA	NA	18.30	8.75	9.55	2.8
VW/MW-2	06/30/1999	NA	NA	NA	NA	NA	NA	NA	18.30	10.72	7.58	4.7
VW/MW-2	09/30/1999	NA	NA	NA	NA	NA	NA	NA	18.30	12.24	6.06	4.9
VW/MW-2	12/27/1999	13,500	1,330	1,310	490	1,400	<250	NA	18.30	13.92	4.38	2.1/1.9
VW/MW-2	01/21/2000	12,100	2,200	1,080	429	1,120	<250	NA	18.30	13.26	5.04	2.8
VW/MW-2	03/07/2000	NA	NA	NA	NA	NA	NA	NA	18.28	7.87	10.41	3.7
VW/MW-2	04/17/2000	NA	NA	NA	NA	NA	NA	NA	18.28	9.65	8.63	3.7/4.1
VW/MW-2	04/18/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	18.28	NA	NA	NA
VW/MW-2	09/21/2000	NA	NA	NA	NA	NA	NA	NA	18.28	12.75	5.53	6.2

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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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
VW/MW-2	10/17/2000	4,070	763	589	214	501	<50.0	NA	18.28	12.21	6.07	0.8/0.7
VW/MW-2	01/09/2001	NA	NA	NA	NA	NA	NA	NA	18.28	12.51	5.77	0.7
VW/MW-2	04/27/2001	80	5.7	<0.50	2.7	4.9	NA	<0.50	18.28	10.21	8.07	2.3/2.8
VW/MW-2	07/03/2001	NA	NA	NA	NA	NA	NA	NA	18.28	11.60	6.68	0.6
VW/MW-2	12/06/2001	160	1.7	1.0	1.8	4.6	NA	<5.0	18.28	11.15	7.13	3.7/2.3
VW/MW-2	01/23/2002	NA	NA	NA	NA	NA	NA	NA	18.28	9.07	9.21	0.5
VW/MW-2	04/17/2002	<50	2.1	<0.50	<0.50	<0.50	NA	<5.0	18.28	10.11	8.17	4.9/4.4
VW/MW-2	07/18/2002	NA	NA	NA	NA	NA	NA	NA	18.28	11.61	6.67	0.9
VW/MW-2	11/11/2002	15,000	1,300	1,300	680	1,800	NA	<5.0	18.28	12.63	5.65	0.2/0.2
VW/MW-2	01/16/2003	NA	NA	NA	NA	NA	NA	NA	18.28	9.35	8.93	0.4
VW/MW-2	03/13/2003	NA	NA	NA	NA	NA	NA	NA	18.28	10.09	8.19	0.8
VW/MW-2	04/07/2003	NA	NA	NA	NA	NA	NA	NA	18.28	10.09	8.19	NA
VW/MW-2	04/23/2003	1,100	76	29	45	66	NA	<5.0	18.28	9.95	8.33	0.8/0.3
VW/MW-2	05/13/2003	1,200	38	16	16	24	NA	<5.0	18.28	9.90	8.38	0.2/0.2
VW/MW-2	06/13/2003	9,600	1,300	1,100	440	890	NA	<250	18.28	10.80	7.48	0.2/0.5
VW/MW-2	07/14/2003	11,000	1,300	1,800	430	1,500	NA	<5.0	18.28	11.20	7.08	0.5/0.5
VW/MW-2	09/29/2003	12,000	860	980	410	1,100	NA	<10	18.28	12.05	6.23	0.4/0.4
VW/MW-2	10/29/2003	12,000	1,100	940	530	1,200	NA	<10	18.28	12.29	5.99	0.7/0.3
VW/MW-2	01/05/2004	190 b	<0.50	<0.50	<0.50	<1.0	NA	<0.50	18.28	9.82	8.46	2.8/1.8
VW/MW-2	04/01/2004	410	1.4	0.54	1.6	1.0	NA	<0.50	18.28	9.24	9.04	1.7/0.1
VW/MW-2	07/02/2004	5,500	440	370	170	410	NA	<2.5	18.28	11.33	6.95	0.5/0.4
VW/MW-2	11/03/2004	3,800	260	210	150	600	NA	<2.5	18.28	12.14	6.14	0.9/1.4
VW/MW-2	01/04/2005	280	5.8	20	7.8	26	NA	<0.50	18.28	9.03	9.25	1.66/2.66
VW/MW-2	04/13/2005	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	18.28	7.38	10.90	0.79/0.58
VW/MW-2	07/13/2005	350	19	9.3	9.8	14	NA	<0.50	18.28	10.45	7.83	0.10/0.08
VW/MW-2	10/28/2005	3,400	440	350	150	320	NA	<2.5	18.28	11.98	6.30	0.4/0.1
VW/MW-2	01/17/2006	700	3.1	5.1	7.7	66	NA	<0.50	18.28	8.34	9.94	2.7/1.6
VW/MW-2	02/23/2006	NA	97.9	17.2	40.0	80.6	NA	NA	18.28	9.42	8.86	NA
VW/MW-2	03/09/2006	NA	<0.500	29.2	57.8	486	NA	NA	18.28	7.35	10.93	NA
VW/MW-2	04/21/2006	<50.0	<0.500	0.960	<0.500	2.71	NA	<0.500	18.28	5.99	12.29	NA

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VW/MW-2	05/01/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	18.28	7.25	11.03	0.43/0.10
VW/MW-2	06/23/2006	3,150	35.6	9.24	20.7	113	NA	<0.500	18.28	10.05	8.23	NA
VW/MW-2	07/11/2006	9,270	413	78.2	91.5	341	NA	2.40	18.28	10.05	8.23	NA
VW/MW-2	08/30/2006	4,900	135	45.5	73.3	180	NA	2.40	18.28	11.12	7.16	0.37/0.62
VW/MW-2	09/29/2006	12,300	243	142	290	634	NA	2.50	18.28	11.61	6.67	NA
VW/MW-2	10/13/2006	19,300	292	169	384	1,080	NA	1.84	18.28	12.01	6.27	NA
VW/MW-2	11/03/2006	9,300	655	233	366	729	NA	4.15	18.28	12.12	6.16	2.0/1.05
VW/MW-2	12/26/2006	2,600	61	50	74	250	NA	<0.50	18.28	11.41	6.87	NA
VW/MW-2	01/11/2007	5,200	160	190	170	570	NA	<0.50	18.28	11.45	6.83	NA
VW/MW-2	01/30/2007	2,200	160	20	84	200	NA	<2.5	18.28	12.21	6.07	1.37/0.79
VW/MW-2	03/01/2007	520	0.50	0.53	3.3	15	NA	<0.50	18.28	10.40	7.88	NA
VW/MW-2	04/26/2007	5,700 k	220	140	170	420	NA	<2.0	18.28	10.51	7.77	NA
VW/MW-2	06/01/2007	4,300 k	150	150	140	380	NA	<2.0	18.28	11.00	7.28	0.36/0.23
<b>VW/MW-2</b>	<b>06/21/2007</b>	<b>9,000 k</b>	<b>540</b>	<b>500</b>	<b>350</b>	<b>870</b>	<b>NA</b>	<b>1.8 m</b>	<b>18.28</b>	<b>11.78</b>	<b>6.50</b>	<b>NA</b>
<b>VW/MW-2</b>	<b>07/03/2007</b>	<b>4,500 k</b>	<b>230</b>	<b>160</b>	<b>160</b>	<b>440</b>	<b>NA</b>	<b>&lt;5.0</b>	<b>18.28</b>	<b>11.64</b>	<b>6.64</b>	<b>NA</b>
<b>VW/MW-2</b>	<b>08/16/2007</b>	<b>8,800 k</b>	<b>550</b>	<b>520</b>	<b>430</b>	<b>1,020</b>	<b>NA</b>	<b>&lt;5.0</b>	<b>18.28</b>	<b>12.12</b>	<b>6.16</b>	<b>0.3/0.1</b>
VW/MW-4	03/25/1996	83,000	6,500	7,000	2,000	11,000	<250	NA	18.14	8.45	9.69	NA
VW/MW-4 (D)	03/25/1996	84,000	6,400	7,000	2,100	12,000	<250	NA	18.14	8.45	9.69	NA
VW/MW-4	06/21/1996	110,000	14,000	15,000	3,700	17,000	1,700	NA	18.14	10.38	7.76	NA
VW/MW-4 (D)	06/21/1996	100,000	12,000	12,000	2,900	13,000	<1,000	NA	18.14	10.38	7.76	NA
VW/MW-4	09/26/1996	52,000	13,000	2,700	2,100	3,200	<500	NA	18.14	12.43	5.71	NA
VW/MW-4	12/19/1996	75,000	15,000	6,600	3,000	7,600	<1,250	NA	18.14	11.87	6.27	NA
VW/MW-4	03/25/1997	56,000	4,700	1,500	2,500	6,300	580	NA	18.14	9.60	8.54	2.4
VW/MW-4	06/26/1997	NA	NA	NA	NA	NA	NA	NA	18.14	12.36	5.78	NA
VW/MW-4	09/26/1997	NA	NA	NA	NA	NA	NA	NA	18.14	12.82	5.32	0.4
VW/MW-4	12/05/1997	NA	NA	NA	NA	NA	NA	NA	18.14	12.15	5.99	0.3
VW/MW-4	02/19/1998	4,100	320	40	44	520	<50	NA	18.14	5.85	12.29	1.8
VW/MW-4 (D)	02/19/98	4,300	340	44	47	540	<50	NA	18.14	5.85	12.29	1.8
VW/MW-4	06/08/1998	NA	NA	NA	NA	NA	NA	NA	18.14	5.87	12.27	1.8



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VW/MW-4	08/25/1998	NA	NA	NA	NA	NA	NA	NA	18.14	10.96	7.18	2.5
VW/MW-4	12/28/1998	NA	NA	NA	NA	NA	NA	NA	18.14	11.28	6.86	0.9
VW/MW-4	03/26/1999	NA	NA	NA	NA	NA	NA	NA	18.14	8.45	9.69	1.9
VW/MW-4	06/30/1999	NA	NA	NA	NA	NA	NA	NA	18.14	9.70	8.44	3.6
VW/MW-4	09/30/1999	NA	NA	NA	NA	NA	NA	NA	18.14	11.78	6.36	2.6
VW/MW-4	12/27/1999	33,900	3,740	2,000	1,130	5,090	587	NA	18.14	12.63	5.51	0.4/0.2
VW/MW-4	01/21/2000	13,900	1,560	568	227	1,990	<500	21.0a	18.14	13.07	5.07	1.0
VW/MW-4	03/07/2000	NA	NA	NA	NA	NA	NA	NA	18.13	7.82	10.31	0.9
VW/MW-4	04/17/2000	NA	NA	NA	NA	NA	NA	NA	18.13	9.18	8.95	1.4/1.9
VW/MW-4	04/18/2000	757	103	8.59	30.8	84.2	<25.0	NA	18.13	NA	NA	NA
VW/MW-4	09/21/2000	NA	NA	NA	NA	NA	NA	NA	18.13	12.18	5.95	5.0
VW/MW-4	10/17/2000	8,360	2,060	391	468	1,170	147	NA	18.13	12.03	6.10	0.7/0.8
VW/MW-4	01/09/2001	NA	NA	NA	NA	NA	NA	NA	18.13	12.42	5.71	0.9
VW/MW-4	04/27/2001	7,100	2,300	50	460	250	NA	<10	18.13	10.13	8.00	1.0/1.4
VW/MW-4	07/03/2001	NA	NA	NA	NA	NA	NA	NA	18.13	11.42	6.71	1.2
VW/MW-4	12/06/2001	7,700	750	90	300	350	NA	<25	18.13	11.02	7.11	2.5/1.9
VW/MW-4	01/23/2002	NA	NA	NA	NA	NA	NA	NA	18.13	8.89	9.24	0.4
VW/MW-4	04/17/2002	4,800	760	27	240	150	NA	<25	18.13	9.89	8.24	4.7/5.1
VW/MW-4	07/18/2002	NA	NA	NA	NA	NA	NA	NA	18.13	11.37	6.76	0.6
VW/MW-4	11/11/2002	14,000	2,800	480	700	1,300	NA	<100	18.13	12.41	5.72	0.3/0.3
VW/MW-4	01/16/2003	NA	NA	NA	NA	NA	NA	NA	18.13	9.17	8.96	0.8
VW/MW-4	03/13/2003	NA	NA	NA	NA	NA	NA	NA	18.13	9.85	8.28	1.1
VW/MW-4	04/23/2003	2,400	710	28	160	100	NA	<50	18.13	9.74	8.39	0.2/0.05
VW/MW-4	05/13/2003	3,300	720	35	170	160	NA	<50	18.13	9.70	8.43	0.2/0.2
VW/MW-4	06/13/2003	8,200	1,700	220	460	790	NA	<250	18.13	10.55	7.58	0.3/0.3
VW/MW-4	07/14/2003	3,700	900	190	220	540	NA	<10	18.13	10.90	7.23	0.5/0.4
VW/MW-4	09/29/2003	7,500	1,800	300	390	860	NA	<20	18.13	11.83	6.30	0.5/0.6
VW/MW-4	10/29/2003	10,000	2,600	400	510	1,200	NA	<13	18.13	12.03	6.10	0.5/0.4
VW/MW-4	01/05/2004	1,000	70	12	30	56	NA	<1.0	18.13	9.60	8.53	1.7/1.2
VW/MW-4	04/01/2004	1,000	64	7.0	22	18	NA	<1.0	18.13	9.00	9.13	0.6/0.1

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VW/MW-4	07/02/2004	5,600	1,500	57	380	180	NA	<10	18.13	11.00	7.13	0.4/0.4
VW/MW-4	11/03/2004	9,400	2,400	210	560	890	NA	<10	18.13	11.85	6.28	1.5/2.1
VW/MW-4	01/04/2005	110	12	<0.50	2.3	<1.0	NA	<0.50	18.13	8.89	9.24	2.40/1.05
VW/MW-4	04/13/2005	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	18.13	7.25	10.88	1.55/0.52
VW/MW-4	07/13/2005	1,300	520	5.1	100	17	NA	<2.5	18.13	10.20	7.93	0.08/0.08
VW/MW-4	10/28/2005	2,500	830	44	170	140	NA	5.4	18.13	11.84	6.29	0.6/0.2
VW/MW-4	01/17/2006	<50	<0.50	<0.50	0.56	<0.50	NA	<0.50	18.13	8.05	10.08	2.7/0.6
VW/MW-4	02/23/2006	NA	1.42	0.930	0.580	<0.500	NA	NA	18.13	8.77	9.36	NA
VW/MW-4	03/09/2006	NA	<0.500	<0.500	<0.500	0.680	NA	NA	18.13	6.75	11.38	NA
VW/MW-4	04/21/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	18.13	5.69	12.44	NA
VW/MW-4	05/01/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	18.13	6.65	11.48	0.51/0.37
VW/MW-4	06/23/2006	920	8.69	1.32	5.63	9.68	NA	<0.500	18.13	9.22	8.91	NA
VW/MW-4	07/11/2006	<50.0	109	<0.500	3.91	<0.500	NA	<0.500	18.13	9.22	8.91	NA
VW/MW-4	08/30/2006	2,360	331	12.8	65.4	29.3	NA	2.64	18.13	10.87	7.26	0.24/0.56
VW/MW-4	09/29/2006	5,920	327	23.2 i	146	112 i	NA	2.63	18.13	11.40	6.73	NA
VW/MW-4	10/13/2006	6,560	299	16.6	134	90.4	NA	3.58	18.13	11.53	6.60	NA
VW/MW-4	11/03/2006	3,530	212	9.14	87.8	52.8	NA	5.11	18.13	11.87	6.26	2.60/4.0
VW/MW-4	12/26/2006	960	43	1.0	17	2.7	NA	<0.50	18.13	11.17	6.96	NA
VW/MW-4	01/11/2007	830	86	1.8	41	3.9	NA	1.4	18.13	11.18	6.95	NA
VW/MW-4	01/30/2007	2,100	450	15	99	46	NA	3.0	18.13	11.53	6.60	1.13/0.91
VW/MW-4	03/01/2007	700	4.8	<0.50	1.8	0.77	NA	<0.50	18.13	10.00	8.13	NA
VW/MW-4	04/26/2007	930 k	84	5.2	21	9.5	NA	<1.0	18.13	10.26	7.87	NA
VW/MW-4	06/01/2007	2,000 k	340	7.6	58	17.6	NA	1.7 m	18.13	10.80	7.33	0.46/0.42
<b>VW/MW-4</b>	<b>06/21/2007</b>	<b>1,400 k</b>	<b>360</b>	<b>9.7</b>	<b>46</b>	<b>26.1</b>	<b>NA</b>	<b>2.2</b>	<b>18.13</b>	<b>11.32</b>	<b>6.81</b>	<b>NA</b>
<b>VW/MW-4</b>	<b>07/03/2007</b>	<b>2,700 k</b>	<b>650</b>	<b>24</b>	<b>91</b>	<b>65</b>	<b>NA</b>	<b>&lt;2.0</b>	<b>18.13</b>	<b>11.39</b>	<b>6.74</b>	<b>NA</b>
<b>VW/MW-4</b>	<b>08/16/2007</b>	<b>1,400 k</b>	<b>240</b>	<b>8.8</b>	<b>32</b>	<b>42.3</b>	<b>NA</b>	<b>&lt;5.0</b>	<b>18.13</b>	<b>11.87</b>	<b>6.26</b>	<b>0.3/0.1</b>
VW/AS-1	03/25/1996	NA	NA	NA	NA	NA	NA	NA	18.60	8.98	9.62	NA
VW/AS-1	06/21/1996	NA	NA	NA	NA	NA	NA	NA	18.60	10.95	7.65	NA
VW/AS-1	09/26/1996	NA	NA	NA	NA	NA	NA	NA	18.60	12.98	5.62	NA

**WELL CONCENTRATIONS**  
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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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
VW/AS-1	12/19/1996	NA	NA	NA	NA	NA	NA	NA	18.60	12.67	5.93	NA
VW/AS-1	03/25/1997	NA	NA	NA	NA	NA	NA	NA	18.60	10.12	8.48	NA
VW/AS-1	06/26/1997	NA	NA	NA	NA	NA	NA	NA	18.60	12.34	6.26	NA
VW/AS-1	09/26/1997	NA	NA	NA	NA	NA	NA	NA	18.60	13.40	5.20	NA
VW/AS-1	12/05/1997	NA	NA	NA	NA	NA	NA	NA	18.60	11.96	6.64	5.2
VW/AS-1	02/19/1998	NA	NA	NA	NA	NA	NA	NA	18.60	6.22	12.38	1.3
VW/AS-1	06/08/1998	NA	NA	NA	NA	NA	NA	NA	18.60	6.20	12.40	1.0
VW/AS-1	08/25/1998	NA	NA	NA	NA	NA	NA	NA	18.60	11.59	7.01	1.6
VW/AS-1	12/28/1998	NA	NA	NA	NA	NA	NA	NA	18.60	11.74	6.86	1.3
VW/AS-1	03/26/1999	NA	NA	NA	NA	NA	NA	NA	18.60	9.20	9.40	1.3
VW/AS-1	06/30/1999	NA	NA	NA	NA	NA	NA	NA	18.60	11.08	7.52	2.1
VW/AS-1	09/30/1999	NA	NA	NA	NA	NA	NA	NA	18.60	11.94	6.66	1.9
VW/AS-1	12/27/1999	8,940	2,000	95.7	1,200	570	606	NA	18.60	11.01	7.59	1.6/1.8
VW/AS-1	03/07/2000	NA	NA	NA	NA	NA	NA	NA	18.59	7.35	11.24	NA
VW/AS-1	04/17/2000	NA	NA	NA	NA	NA	NA	NA	18.59	9.08	9.51	1.9/2.0
VW/AS-1	04/18/2000	20,800	6,550	1,220	2,270	1,720	<250	NA	18.59	NA	NA	NA
VW/AS-1	09/21/2000	NA	NA	NA	NA	NA	NA	NA	18.59	11.98	6.61	2.1
VW/AS-1	10/17/2000	38,400	7,240	5,980	1,960	5,730	534	72.4	18.59	12.62	5.97	2.5/1.0
VW/AS-1	01/09/2001	NA	NA	NA	NA	NA	NA	NA	18.59	13.03	5.56	1.9
VW/AS-1	04/27/2001	34,000	8,000	2,100	2,500	2,000	NA	<25	18.59	10.71	7.88	2.9/2.1
VW/AS-1	07/03/2001	NA	NA	NA	NA	NA	NA	NA	18.59	12.03	6.56	2.0
VW/AS-1	12/06/2001	6,000	990	35	820	59	NA	<25	18.59	11.63	6.96	1.2/0.8
VW/AS-1	01/23/2002	NA	NA	NA	NA	NA	NA	NA	18.59	9.34	9.25	0.9
VW/AS-1	04/17/2002	12,000	2,900	57	1,400	98	NA	<200	18.59	10.41	8.18	3.3/2.9
VW/AS-1	07/18/2002	NA	NA	NA	NA	NA	NA	NA	18.59	12.13	6.46	0.3
VW/AS-1	11/11/2002	2,200	340	7.3	250	24	NA	<20	18.59	13.15	5.44	1.2/1.3
VW/AS-1	01/16/2003	NA	NA	NA	NA	NA	NA	NA	18.59	9.73	8.86	2.3
VW/AS-1	03/13/2003	11,000	2,500	55	1,800	170	NA	<100	18.59	10.45	8.14	2.1/1.9
VW/AS-1	04/07/2003	NA	NA	NA	NA	NA	NA	NA	18.59	10.40	8.19	NA
VW/AS-1	04/23/2003	9,500	4,100	200	1,400	200	NA	<250	18.59	10.28	8.31	1.2/0.4

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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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
VW/AS-1	05/13/2003	9,700	2,300	110	1,100	140	NA	<250	18.59	10.26	8.33	0.5/2.0
VW/AS-1	06/13/2003	9,300	2,300	77	820	<100	NA	<500	18.59	11.15	7.44	1.0/0.5
VW/AS-1	07/15/2003	5,500	2,000	230	620	360	NA	20	18.59	11.62	6.97	1.8/1.9
VW/AS-1	09/29/2003	9,600	2,300	100	1,200	670	NA	<20	18.59	12.48	6.11	2.3/3.6
VW/AS-1	10/29/2003	10,000	2,000	39	1,000	370	NA	16	18.59	12.73	5.86	3.3/3.6
VW/AS-1	01/05/2004	2,000	710	18	410	18	NA	13	18.59	10.25	8.34	3.0/2.8
VW/AS-1	04/01/2004	27,000	9,100	1,200	2,200	1,400	NA	<50	18.52 c	9.60	8.92	1.0/1.4
VW/AS-1	07/02/2004	18,000	6,500	170	1,200	1,200	NA	<50	18.52	11.80	6.72	3.2/0.8
VW/AS-1	11/03/2004	4,500	1,700	23	280	55	NA	9.8	18.52	12.56	5.96	1.7/1.9
VW/AS-1	01/04/2005	7,500	2,500	74	540	110	NA	<13	18.52	9.50	9.02	1.19/0.53
VW/AS-1	04/13/2005	34,000	6,600	290	930	2,100	NA	<15	18.52	7.84	10.68	1.60/1.88
VW/AS-1	07/13/2005	NA	NA	NA	NA	NA	NA	NA	18.52	10.90	7.62	NA
VW/AS-1	07/22/2005	8,200	5,900	86	340	320	NA	<25	18.52	10.96	7.56	1.7/1.0
VW/AS-1	10/28/2005	2,100	1,300	18	63	21	NA	<5.0	18.52	12.30	6.22	0.5/1.6
VW/AS-1	01/17/2006	6,200 g	2,900	190	400	600	NA	4.7	18.52	8.65	9.87	1.4/1.0
VW/AS-1	02/23/2006	NA	3,080	222	414	778	NA	NA	18.52	9.33	9.19	NA
VW/AS-1	03/09/2006	NA	1,350	88.5	128	164	NA	NA	18.52	7.40	11.12	NA
VW/AS-1	04/21/2006	18,200	4,460	167	419	717	NA	2.79	18.52	6.44	12.08	NA
VW/AS-1	05/01/2006	19,700	5,300	261	664	1,050	NA	<0.500	18.52	7.22	11.30	0.71/1.23
VW/AS-1	06/23/2006	20,600	3,820	305	259	435	NA	3.31 h	18.52	9.73	8.79	NA
VW/AS-1	07/11/2006	9,130	6,200	108	232	254	NA	<0.500	18.52	9.73	8.79	NA
VW/AS-1	08/30/2006	164,000	3,190	6,240	3,780	17,900	NA	<10.0	18.52	11.60	6.92	0.4
VW/AS-1	09/29/2006	130,000	6,160	6,370 i	2,910	11,600 i	NA	<25.0	18.52	11.97	6.55	NA
VW/AS-1	10/13/2006	144,000	6,320	5,710	2,930	13,100	NA	1.03	18.52	12.18	6.34	NA
VW/AS-1	11/03/2006	112,000	8,290	5,670	2,760	12,100	NA	<0.500	18.52	12.21	6.31	0.80
VW/AS-1	12/26/2006	94,000	6,900	5,100	3,100	13,000	NA	<50	18.52	11.74	6.78	NA
VW/AS-1	01/11/2007	73,000	6,600	5,500	3,000	12,000	NA	<50	18.52	11.83	6.69	NA

**WELL CONCENTRATIONS**  
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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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
VW/AS-1	01/30/2007	54,000	6,800	4,500	2,200	8,800	NA	<50	18.52	12.12	6.40	1.16/1.16
VW/AS-1	03/01/2007	52,000	6,300	3,700	3,400	12,000	NA	<50	18.52	10.71	7.81	NA
VW/AS-1	04/26/2007	72,000 k	7,200	4,500	3,000	10,900	NA	<50	18.52	10.84	7.68	NA
VW/AS-1	06/01/2007	70,000 k	7,600	4,900	3,200	12,100	NA	<50	18.52	11.40	7.12	0.60/1.09
<b>VW/AS-1</b>	<b>06/21/2007</b>	<b>59,000 k</b>	<b>7,300</b>	<b>3,700</b>	<b>3,200</b>	<b>12,100</b>	<b>NA</b>	<b>&lt;50</b>	<b>18.52</b>	<b>11.92</b>	<b>6.60</b>	<b>NA</b>
<b>VW/AS-1</b>	<b>07/03/2007</b>	<b>70,000 k</b>	<b>8,800</b>	<b>4,700</b>	<b>3,500</b>	<b>13,500</b>	<b>NA</b>	<b>&lt;50</b>	<b>18.52</b>	<b>11.98</b>	<b>6.54</b>	<b>NA</b>
<b>VW/AS-1</b>	<b>08/16/2007</b>	<b>67,000 k</b>	<b>9,000</b>	<b>5,500</b>	<b>3,900</b>	<b>14,200</b>	<b>NA</b>	<b>&lt;50</b>	<b>18.52</b>	<b>12.53</b>	<b>5.99</b>	<b>0.2/0.1</b>
VW/AS-2	03/09/2006	NA	NA	NA	NA	NA	NA	NA	NA	6.95	NA	NA
VW/AS-3	03/25/1996	NA	NA	NA	NA	NA	NA	NA	18.17	8.50	9.67	NA
VW/AS-3	06/21/1996	NA	NA	NA	NA	NA	NA	NA	18.17	10.42	7.75	NA
VW/AS-3	09/26/1996	NA	NA	NA	NA	NA	NA	NA	18.17	12.49	5.68	NA
VW/AS-3	12/19/1996	NA	NA	NA	NA	NA	NA	NA	18.17	12.28	5.89	NA
VW/AS-3	03/25/1997	NA	NA	NA	NA	NA	NA	NA	18.17	9.61	8.56	NA
VW/AS-3	06/26/1997	NA	NA	NA	NA	NA	NA	NA	18.17	11.80	6.37	NA
VW/AS-3	09/26/1997	NA	NA	NA	NA	NA	NA	NA	18.17	12.89	5.28	NA
VW/AS-3	12/05/1997	NA	NA	NA	NA	NA	NA	NA	18.17	11.38	6.79	1.8
VW/AS-3	02/19/1998	NA	NA	NA	NA	NA	NA	NA	18.17	6.24	11.93	1.3
VW/AS-3	06/08/1998	NA	NA	NA	NA	NA	NA	NA	18.17	6.25	11.92	1.2
VW/AS-3	08/25/1998	NA	NA	NA	NA	NA	NA	NA	18.17	11.43	6.74	1.3
VW/AS-3	12/28/1998	NA	NA	NA	NA	NA	NA	NA	18.17	11.63	6.54	1.7
VW/AS-3	03/26/1999	NA	NA	NA	NA	NA	NA	NA	18.17	8.92	9.25	1.5
VW/AS-3	06/30/1999	NA	NA	NA	NA	NA	NA	NA	18.17	10.71	7.46	2.5
VW/AS-3	09/30/1999	NA	NA	NA	NA	NA	NA	NA	18.17	11.78	6.39	1.5
VW/AS-3	12/27/1999	488	47.9	2.60	16.9	8.50	35.4	NA	18.17	12.57	5.60	1.5/2.1
VW/AS-3	03/07/2000	NA	NA	NA	NA	NA	NA	NA	18.14	4.82	13.32	NA
VW/AS-3	04/17/2000	NA	NA	NA	NA	NA	NA	NA	18.14	8.69	9.45	2.0/2.4
VW/AS-3	04/18/2000	3,110	871	<5.00	141	56.8	78.2	NA	18.14	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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
VW/AS-3	09/21/2000	NA	NA	NA	NA	NA	NA	NA	18.14	11.65	6.49	2.5
VW/AS-3	10/17/2000	7,730	2,700	<50.0	542	344	<250	42.1	18.14	12.13	6.01	1.6/1.0
VW/AS-3	01/09/2001	NA	NA	NA	NA	NA	NA	NA	18.14	12.51	5.63	2.2
VW/AS-3	04/27/2001	14,000	3,900	62	690	560	NA	46	18.14	10.20	7.94	2.8/1.6
VW/AS-3	07/03/2001	NA	NA	NA	NA	NA	NA	NA	18.14	11.55	6.59	2.6
VW/AS-3	12/06/2001	5,000	1,200	19	380	320	NA	<50	18.14	11.10	7.04	0.9/1.1
VW/AS-3	01/23/2002	NA	NA	NA	NA	NA	NA	NA	18.14	8.93	9.21	1.1
VW/AS-3	04/17/2002	17,000	5,000	<25	1,100	390	NA	<250	18.14	10.00	8.14	3.2/3.2
VW/AS-3	07/18/2002	NA	NA	NA	NA	NA	NA	NA	18.14	11.49	6.65	0.4
VW/AS-3	11/11/2002	1,700	290	1.5	150	2.8	NA	<10	18.14	12.43	5.71	1.0/1.1
VW/AS-3	01/16/2003	NA	NA	NA	NA	NA	NA	NA	18.14	9.32	8.82	4.7
VW/AS-3	03/13/2003	NA	NA	NA	NA	NA	NA	NA	18.14	9.88	8.26	2.7
VW/AS-3	04/23/2003	150	47	0.67	8.5	3.2	NA	<5.0	18.14	9.85	8.29	2.1/0.7
VW/AS-3	05/13/2003	440	35	<0.50	1.7	<1.0	NA	<5.0	18.14	9.81	8.33	1.4/1.8
VW/AS-3	06/13/2003	580	71	<2.5	40	<5.0	NA	<25	18.14	10.77	7.37	1.1/0.6
VW/AS-3	07/14/2003	1,100	120	4.9	63	9.3	NA	16	18.14	11.12	7.02	2.0/2.2
VW/AS-3	09/29/2003	160	54	2.2	6.9	8.7	NA	1.1	18.14	12.02	6.12	4.1/1.6
VW/AS-3	10/29/2003	350	16	<0.50	1.1	<1.0	NA	6.3	18.14	12.25	5.89	3.2/1.6
VW/AS-3	01/05/2004	2,700	870	39	130	250	NA	5.5	18.14	9.74	8.40	3.6/2.8
VW/AS-3	04/01/2004	1,300	240	4.1	36	45	NA	12	18.14	9.06	9.08	1.1/1.0
VW/AS-3	07/02/2004	610	59	<1.0	3.6	<2.0	NA	10	18.14	11.29	6.85	2.0/2.2
VW/AS-3	11/03/2004	200	<0.50	<0.50	<0.50	<1.0	NA	10	18.14	12.02	6.12	2.1/2.3
VW/AS-3	01/04/2005	2,500	730	42	36	190	NA	<10	18.14	8.99	9.15	1.72/1.36
VW/AS-3	04/13/2005	<50	1.6	<0.50	<0.50	<0.50	NA	0.61	18.14	7.25	10.89	2.85/3.04
VW/AS-3	07/13/2005	NA	NA	NA	NA	NA	NA	NA	18.14	10.30	7.84	NA
VW/AS-3	07/22/2005	160	36	0.65	<0.50	2.5	NA	2.6	18.14	10.51	7.63	1.4/1.3
VW/AS-3	10/28/2005	100	<0.50	<0.50	<0.50	<1.0	NA	1.7	18.14	11.93	6.21	1.6/0.9
VW/AS-3	01/17/2006	1,400	510	29	16	47	NA	5.4	18.14	8.25	9.89	1.9/0.8
VW/AS-3	04/21/2006	NA	NA	NA	NA	NA	NA	NA	18.14	6.06	12.08	NA
VW/AS-3	05/01/2006	1,350	74.4	<0.500	12.5	0.520	NA	3.30	18.14	6.83	11.31	1.35/0.78

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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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
VW/AS-3	08/30/2006	940	77.7	2.67	2.94	5.57	NA	3.45	18.14	11.00	7.14	0.80/0.98
VW/AS-3	09/29/2006	NA	NA	NA	NA	NA	NA	NA	18.14	11.30	6.84	NA
VW/AS-3	11/03/2006	346 j	83.6 j	5.17 j	2.34 j	13.5 j	NA	3.47 j	18.14	12.29	5.85	1.10/0.80
VW/AS-3	01/30/2007	130	13	0.64	<0.50	7.2	NA	3.4	18.14	12.59	5.55	0.76/0.64
VW/AS-3	06/01/2007	2,200 k	650	13	3.2 m	143	NA	7.8	18.14	10.82	7.32	1.21/0.93
<b>VW/AS-3</b>	<b>08/16/2007</b>	<b>1,000 k</b>	<b>200</b>	<b>4.0</b>	<b>1.1</b>	<b>47.7</b>	<b>NA</b>	<b>3.3</b>	<b>18.14</b>	<b>11.95</b>	<b>6.19</b>	<b>0.8/0.2</b>

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to April 27, 2001, analyzed by EPA Method 8015.

BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to April 27, 2001, analyzed by EPA Method 8020.

MTBE = Methyl tertiary butyl ether

TOC = Top of Casing Elevation

GW = Groundwater

DO = Dissolved Oxygen

NA = Not applicable

ug/L = Parts per billion

ppm = Parts per million

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

(D) = Duplicate sample

n/n = Pre-purge/Post-purge DO Readings

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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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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Notes:

a = Sample was analyzed outside of the EPA recommended holding time.

b = Hydrocarbon reported does not match the pattern of the laboratory's standard.

c = Top of casing change due to maintenance.

d = Sample contains discrete peak in addition to gasoline.

e = Quantity of unknown hydrocarbon(s) in sample based on gasoline.

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

g = The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.

h = Secondary ion abundances were outside method requirements. Identification based on analytical judgement.

i = Analyte was detected in the associated Method Blank.

j = pH>2

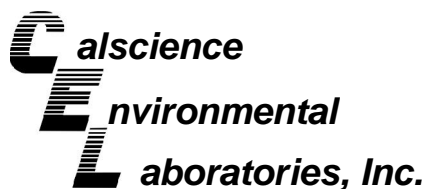
k = Analyzed by EPA Method 8015B (M).

l = 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.

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

Site surveyed November 1, 2001 by Virgil Chavez Land Surveying of Vallejo, CA.





July 02, 2007

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

Subject: **CalScience Work Order No.: 07-06-1805**  
**Client Reference: 1230 14th St., Oakland, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 6/23/2007 and analyzed in accordance with the attached chain-of-custody.

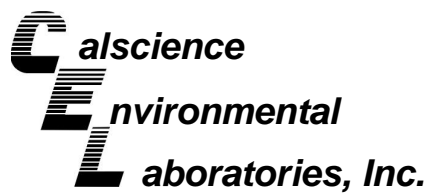
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows 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 'Don Burley', is written over a white background.

CalScience Environmental  
Laboratories, Inc.  
Don Burley  
Project Manager



## Analytical Report



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

Date Received: 06/23/07  
Work Order No: 07-06-1805  
Preparation: EPA 5030B  
Method: EPA 8015B (M)

Project: 1230 14th St., Oakland, CA

Page 1 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
VW/AS-1	07-06-1805-1	06/21/07	Aqueous	GC 30	06/25/07	06/26/07	070625B05

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	59000	5000	100		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	88	38-134			

VW/MW-2	07-06-1805-2	06/21/07	Aqueous	GC 30	06/25/07	06/26/07	070625B05
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	9000	500	10		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	99	38-134			

VW/MW-4	07-06-1805-3	06/21/07	Aqueous	GC 30	06/25/07	06/26/07	070625B03
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	1400	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	108	38-134			

MW-1	07-06-1805-4	06/21/07	Aqueous	GC 30	06/25/07	06/26/07	070625B05
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	13000	500	10		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	94	38-134			

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

## Analytical Report



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

Date Received: 06/23/07  
Work Order No: 07-06-1805  
Preparation: EPA 5030B  
Method: EPA 8015B (M)

Project: 1230 14th St., Oakland, CA

Page 2 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
<b>MW-5</b>	<b>07-06-1805-5</b>	<b>06/21/07</b>	<b>Aqueous</b>	<b>GC 30</b>	<b>06/25/07</b>	<b>06/26/07</b>	<b>070625B05</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Gasoline	32000	5000	100		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	91	38-134			

<b>MW-6</b>	<b>07-06-1805-6</b>	<b>06/21/07</b>	<b>Aqueous</b>	<b>GC 30</b>	<b>06/25/07</b>	<b>06/26/07</b>	<b>070625B03</b>
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Gasoline	390	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	77	38-134			

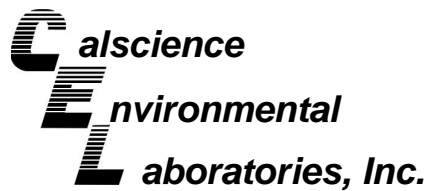
<b>MW-7</b>	<b>07-06-1805-7</b>	<b>06/21/07</b>	<b>Aqueous</b>	<b>GC 30</b>	<b>06/25/07</b>	<b>06/26/07</b>	<b>070625B03</b>
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Gasoline	2600	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	123	38-134			

<b>Method Blank</b>	<b>099-12-436-606</b>	<b>N/A</b>	<b>Aqueous</b>	<b>GC 30</b>	<b>06/25/07</b>	<b>06/26/07</b>	<b>070625B03</b>
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Gasoline	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	86	38-134			

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



## Analytical Report



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

Date Received: 06/23/07  
Work Order No: 07-06-1805  
Preparation: EPA 5030B  
Method: EPA 8015B (M)

Project: 1230 14th St., Oakland, CA

Page 3 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-12-436-609	N/A	Aqueous	GC 30	06/25/07	06/26/07	070625B05

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Gasoline	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	85	38-134			

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

## Analytical Report

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

Date Received: 06/23/07  
Work Order No: 07-06-1805  
Preparation: EPA 5030B  
Method: EPA 8260B  
Units: ug/L

Project: 1230 14th St., Oakland, CA

Page 1 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
VW/AS-1	07-06-1805-1	06/21/07	Aqueous	GC/MS EE	06/28/07	06/29/07	070628L03

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	7300	25	7.0	50		p/m-Xylene	10000	50	27	50	
Ethylbenzene	3200	50	11	50		o-Xylene	2100	50	8.4	50	
Toluene	3700	50	14	50		Methyl-t-Butyl Ether (MTBE)	ND	50	13	50	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	110	74-140				1,2-Dichloroethane-d4	112	74-146			
Toluene-d8	97	88-112				1,4-Bromofluorobenzene	96	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
VW/MW-2	07-06-1805-2	06/21/07	Aqueous	GC/MS EE	06/28/07	06/29/07	070628L03

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	540	5.0	1.4	10		p/m-Xylene	570	2.0	1.1	2	
Ethylbenzene	350	2.0	0.45	2		o-Xylene	300	2.0	0.34	2	
Toluene	500	10	2.7	10		Methyl-t-Butyl Ether (MTBE)	1.8	2.0	0.52	2	J
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	106	74-140				1,2-Dichloroethane-d4	109	74-146			
Toluene-d8	101	88-112				1,4-Bromofluorobenzene	100	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
VW/MW-4	07-06-1805-3	06/21/07	Aqueous	GC/MS EE	06/28/07	06/29/07	070628L03

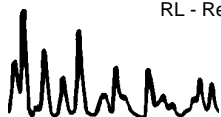
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	360	1.0	0.28	2		p/m-Xylene	21	2.0	1.1	2	
Ethylbenzene	46	2.0	0.45	2		o-Xylene	5.1	2.0	0.34	2	
Toluene	9.7	2.0	0.54	2		Methyl-t-Butyl Ether (MTBE)	2.2	2.0	0.52	2	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	108	74-140				1,2-Dichloroethane-d4	110	74-146			
Toluene-d8	95	88-112				1,4-Bromofluorobenzene	96	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-1	07-06-1805-4	06/21/07	Aqueous	GC/MS EE	06/28/07	06/29/07	070628L03

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	3800	25	7.0	50		p/m-Xylene	740	50	27	50	
Ethylbenzene	620	50	11	50		o-Xylene	320	50	8.4	50	
Toluene	400	50	14	50		Methyl-t-Butyl Ether (MTBE)	ND	50	13	50	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	104	74-140				1,2-Dichloroethane-d4	107	74-146			
Toluene-d8	97	88-112				1,4-Bromofluorobenzene	94	74-110			

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



## Analytical Report

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

Date Received: 06/23/07  
Work Order No: 07-06-1805  
Preparation: EPA 5030B  
Method: EPA 8260B  
Units: ug/L

Project: 1230 14th St., Oakland, CA

Page 2 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-5	07-06-1805-5	06/21/07	Aqueous	GC/MS EE	06/28/07	06/29/07	070628L03

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	12000	50	14	100		p/m-Xylene	2200	100	54	100	
Ethylbenzene	1400	100	23	100		o-Xylene	580	100	17	100	
Toluene	1200	100	27	100		Methyl-t-Butyl Ether (MTBE)	ND	100	26	100	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	109	74-140				1,2-Dichloroethane-d4	112	74-146			
Toluene-d8	96	88-112				1,4-Bromofluorobenzene	93	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-6	07-06-1805-6	06/21/07	Aqueous	GC/MS EE	06/28/07	06/29/07	070628L03

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	3.0	0.50	0.14	1		p/m-Xylene	ND	1.0	0.54	1	
Ethylbenzene	ND	1.0	0.23	1		o-Xylene	0.17	1.0	0.17	1	J
Toluene	ND	1.0	0.27	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	103	74-140				1,2-Dichloroethane-d4	106	74-146			
Toluene-d8	98	88-112				1,4-Bromofluorobenzene	95	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-7	07-06-1805-7	06/21/07	Aqueous	GC/MS EE	06/28/07	06/29/07	070628L03

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

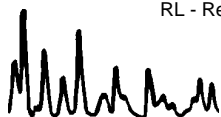
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	260	1.0	0.28	2		p/m-Xylene	ND	2.0	1.1	2	
Ethylbenzene	12	2.0	0.45	2		o-Xylene	ND	2.0	0.34	2	
Toluene	ND	2.0	0.54	2		Methyl-t-Butyl Ether (MTBE)	1.4	2.0	0.52	2	J
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	110	74-140				1,2-Dichloroethane-d4	113	74-146			
Toluene-d8	99	88-112				1,4-Bromofluorobenzene	96	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-10-006-21,913	N/A	Aqueous	GC/MS EE	06/28/07	06/29/07	070628L03

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.14	1		p/m-Xylene	ND	1.0	0.54	1	
Ethylbenzene	ND	1.0	0.23	1		o-Xylene	ND	1.0	0.17	1	
Toluene	ND	1.0	0.27	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	109	74-140				1,2-Dichloroethane-d4	112	74-146			
Toluene-d8	96	88-112				1,4-Bromofluorobenzene	91	74-110			

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



## Analytical Report



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

Date Received: 06/23/07  
Work Order No: 07-06-1805  
Preparation: EPA 5030B  
Method: EPA 8260B  
Units: ug/L

Project: 1230 14th St., Oakland, CA

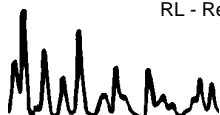
Page 3 of 3

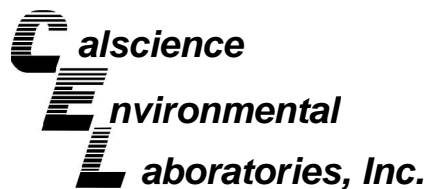
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
<b>Method Blank</b>	<b>099-10-006-21,920</b>	<b>N/A</b>	<b>Aqueous</b>	<b>GC/MS O</b>	<b>06/29/07</b>	<b>06/29/07</b>	<b>070629L01</b>

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.14	1		p/m-Xylene	ND	1.0	0.54	1	
Ethylbenzene	ND	1.0	0.23	1		o-Xylene	ND	1.0	0.17	1	
Toluene	ND	1.0	0.27	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	111	74-140				1,2-Dichloroethane-d4	105	74-146			
Toluene-d8	100	88-112				1,4-Bromofluorobenzene	97	74-110			

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: 06/23/07  
Work Order No: 07-06-1805  
Preparation: EPA 5030B  
Method: EPA 8015B (M)

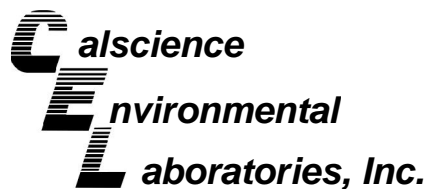
Project 1230 14th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-06-1809-1	Aqueous	GC 30	06/25/07	06/26/07	070625S03

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	82	76	68-122	1	0-18	

RPD - Relative Percent Difference , CL - Control Limit





## Quality Control - Spike/Spike Duplicate



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

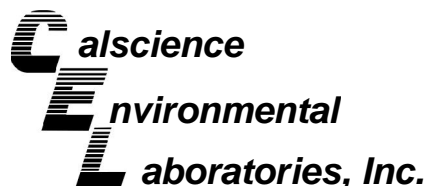
Date Received: 06/23/07  
Work Order No: 07-06-1805  
Preparation: EPA 5030B  
Method: EPA 8015B (M)

Project 1230 14th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-06-1889-3	Aqueous	GC 30	06/25/07	06/27/07	070625S05

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	91	92	68-122	0	0-18	

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - Spike/Spike Duplicate



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

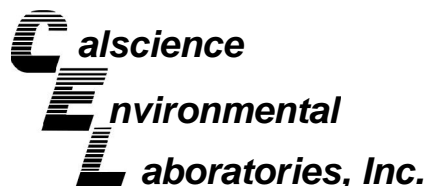
Date Received: 06/23/07  
Work Order No: 07-06-1805  
Preparation: EPA 5030B  
Method: EPA 8260B

Project 1230 14th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-06-1854-11	Aqueous	GC/MS EE	06/28/07	06/29/07	070628S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	92	96	88-118	4	0-7	
Carbon Tetrachloride	77	82	67-145	7	0-11	
Chlorobenzene	96	99	88-118	3	0-7	
1,2-Dichlorobenzene	92	97	86-116	6	0-8	
1,1-Dichloroethene	93	98	70-130	6	0-25	
Toluene	92	97	87-123	5	0-8	
Trichloroethene	89	92	79-127	4	0-10	
Vinyl Chloride	84	89	69-129	5	0-13	
Methyl-t-Butyl Ether (MTBE)	92	96	71-131	4	0-13	
Tert-Butyl Alcohol (TBA)	64	62	36-168	3	0-45	
Diisopropyl Ether (DIPE)	99	102	81-123	4	0-9	
Ethyl-t-Butyl Ether (ETBE)	92	96	72-126	4	0-12	
Tert-Amyl-Methyl Ether (TAME)	92	96	72-126	5	0-12	
Ethanol	110	87	53-149	24	0-31	

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - Spike/Spike Duplicate



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

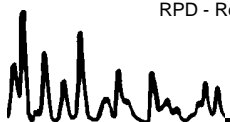
Date Received: 06/23/07  
Work Order No: 07-06-1805  
Preparation: EPA 5030B  
Method: EPA 8260B

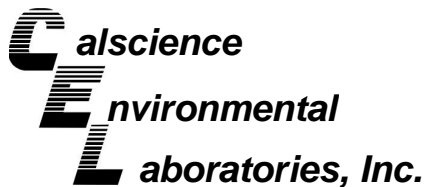
Project 1230 14th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-06-1706-9	Aqueous	GC/MS O	06/29/07	06/29/07	070629S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	108	104	88-118	3	0-7	
Carbon Tetrachloride	103	105	67-145	2	0-11	
Chlorobenzene	105	105	88-118	0	0-7	
1,2-Dichlorobenzene	106	105	86-116	1	0-8	
1,1-Dichloroethene	110	112	70-130	2	0-25	
Toluene	106	105	87-123	1	0-8	
Trichloroethene	103	100	79-127	2	0-10	
Vinyl Chloride	105	125	69-129	17	0-13	4
Methyl-t-Butyl Ether (MTBE)	109	117	71-131	7	0-13	
Tert-Butyl Alcohol (TBA)	113	131	36-168	15	0-45	
Diisopropyl Ether (DIPE)	116	119	81-123	3	0-9	
Ethyl-t-Butyl Ether (ETBE)	106	112	72-126	5	0-12	
Tert-Amyl-Methyl Ether (TAME)	102	105	72-126	3	0-12	
Ethanol	95	113	53-149	17	0-31	

RPD - Relative Percent Difference , CL - Control Limit





## Quality Control - LCS/LCS Duplicate



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

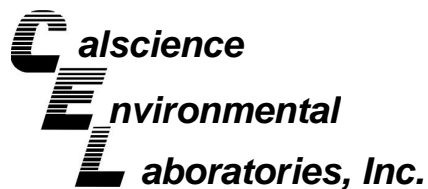
Date Received: N/A  
Work Order No: 07-06-1805  
Preparation: EPA 5030B  
Method: EPA 8015B (M)

Project: 1230 14th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-606	Aqueous	GC 30	06/25/07	06/26/07	070625B03

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	80	76	78-120	5	0-10	X

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - LCS/LCS Duplicate



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

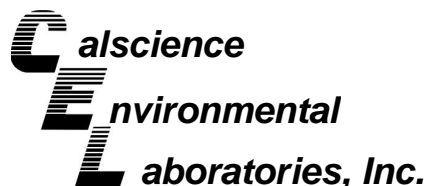
Date Received: N/A  
Work Order No: 07-06-1805  
Preparation: EPA 5030B  
Method: EPA 8015B (M)

Project: 1230 14th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-609	Aqueous	GC 30	06/25/07	06/26/07	070625B05

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	90	98	78-120	8	0-10	

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - LCS/LCS Duplicate



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

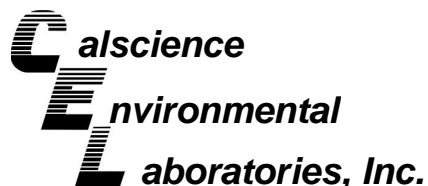
Date Received: N/A  
Work Order No: 07-06-1805  
Preparation: EPA 5030B  
Method: EPA 8260B

Project: 1230 14th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-21,913	Aqueous	GC/MS EE	06/28/07	06/29/07	070628L03

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Benzene	97	95	84-120	3	0-8	
Carbon Tetrachloride	83	82	63-147	1	0-10	
Chlorobenzene	101	101	89-119	1	0-7	
1,2-Dichlorobenzene	100	99	89-119	2	0-9	
1,1-Dichloroethene	97	94	77-125	3	0-16	
Toluene	98	97	83-125	2	0-9	
Trichloroethene	92	93	89-119	1	0-8	
Vinyl Chloride	94	94	63-135	1	0-13	
Methyl-t-Butyl Ether (MTBE)	94	93	82-118	1	0-13	
Tert-Butyl Alcohol (TBA)	64	64	46-154	1	0-32	
Diisopropyl Ether (DIPE)	101	100	81-123	0	0-11	
Ethyl-t-Butyl Ether (ETBE)	94	94	74-122	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	95	94	76-124	1	0-10	
Ethanol	90	89	60-138	1	0-32	

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: 07-06-1805  
Preparation: EPA 5030B  
Method: EPA 8260B

Project: 1230 14th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-21,920	Aqueous	GC/MS O	06/29/07	06/29/07	070629L01

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Benzene	105	104	84-120	1	0-8	
Carbon Tetrachloride	104	107	63-147	3	0-10	
Chlorobenzene	105	106	89-119	1	0-7	
1,2-Dichlorobenzene	105	105	89-119	0	0-9	
1,1-Dichloroethene	107	109	77-125	2	0-16	
Toluene	107	103	83-125	4	0-9	
Trichloroethene	100	101	89-119	1	0-8	
Vinyl Chloride	117	119	63-135	2	0-13	
Methyl-t-Butyl Ether (MTBE)	104	106	82-118	2	0-13	
Tert-Butyl Alcohol (TBA)	98	100	46-154	2	0-32	
Diisopropyl Ether (DIPE)	114	117	81-123	3	0-11	
Ethyl-t-Butyl Ether (ETBE)	104	107	74-122	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	99	96	76-124	3	0-10	
Ethanol	96	96	60-138	1	0-32	

RPD - Relative Percent Difference , CL - Control Limit

Work Order Number: 07-06-1805

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<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 or Matrix Spike Duplicate 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.
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: 017



# SHELL Chain Of Custody Record

- TA - Irvine, California
- TA - Morgan Hill, California
- TA - Sacramento, California
- TA - Nashville, Tennessee
- Calscience
- Other: \_\_\_\_\_

<b>NAME OF PERSON TO BILL: Denis Brown</b>						INCIDENT # (ES ONLY)						DATE: <u>6/21/07</u>	
<input checked="" type="checkbox"/> ENVIRONMENTAL SERVICES						9 7 0 8 8 2 5 0							
<input type="checkbox"/> CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES						PO #						SAP or CRMT #	
<input type="checkbox"/> NETWORK DEV / FE		<input type="checkbox"/> BILL CONSULTANT		<input type="checkbox"/> COMPLIANCE		<input type="checkbox"/> RMT/CRMT							

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

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

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

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

SITE ADDRESS: Street and City  
**1230 14th St., Oakland** State: **CA** GLOBAL ID NO.: **T0600101691**

EDF DELIVERABLE TO (Name, Company, Office Location): **Ana Friel, CRA, Eureka Office** PHONE NO.: **(707) 268-3812** E-MAIL: **sonomaedf@croworld.com** CONSULTANT PROJECT NO.: ~~070621-771~~ **BTS # 070621-TV1**

SAMPLER NAME(S) (Print): **Tony Vega** LAB USE ONLY: **07-06-1805**

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS):  STD  5 DAY  3 DAY  2 DAY  24 HOURS  RESULTS NEEDED ON WEEKEND

LA - RWQCB REPORT FORMAT  UST AGENCY: \_\_\_\_\_

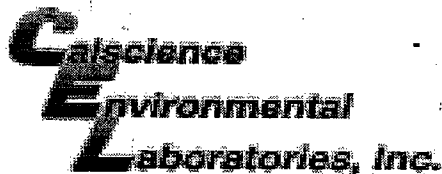
SPECIAL INSTRUCTIONS OR NOTES:

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

REQUESTED ANALYSIS																FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
TPH - Gas, Purgeable (8260B)	TPH - Diesel, Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)				
X	X	X	X	X	X	X	X	X	X	X	X	X				
X	X	X	X	X	X	X	X	X	X	X	X	X				
X	X	X	X	X	X	X	X	X	X	X	X	X				
X	X	X	X	X	X	X	X	X	X	X	X	X				
X	X	X	X	X	X	X	X	X	X	X	X	X				
X	X	X	X	X	X	X	X	X	X	X	X	X				

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable (8260B)	TPH - Diesel, Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	TEMPERATURE ON RECEIPT C°
		DATE	TIME																
	VW/AS-1	6/21/07	1230	W	5	X	X	X	X	X	X	X	X	X	X	X	X	X	
	VW/MW-2		0939		5	X	X	X	X	X	X	X	X	X	X	X	X	X	
	VW/MW-4		1220		5	X	X	X	X	X	X	X	X	X	X	X	X	X	
	MW-1		1048		5	X	X	X	X	X	X	X	X	X	X	X	X	X	
	MW-5		1200		5	X	X	X	X	X	X	X	X	X	X	X	X	X	
	MW-6		1145		5	X	X	X	X	X	X	X	X	X	X	X	X	X	
	MW-7		1015		5	X	X	X	X	X	X	X	X	X	X	X	X	X	

Relinquished by: (Signature) <i>Tony Vega</i>	Received by: (Signature) <i>Tony Vega (Sample Custodian)</i>	Date: <u>6/21/07</u>	Time: <u>1415</u>
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>Manuela R</i>	Date: <u>6/22/07</u>	Time: <u>1340</u>
Relinquished by: (Signature) <i>GSO</i>	Received by: (Signature) <i>Dula Pishikaru (CEL)</i>	Date: <u>6-23-07</u>	Time: <u>9:00</u>



WORK ORDER #: 07 - 06 - 1805

Cooler \_\_\_ of \_\_\_

SAMPLE RECEIPT FORM Total of 8 coolers

CLIENT: Blaine Tech

DATE: 6-23-07

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.
°C Temperature blank.

LABORATORY (Other than CalScience Courier):

- 4 °C Temperature blank.
°C IR thermometer.
Ambient temperature.

Initial: DN

CUSTODY SEAL INTACT:

Sample(s): \_\_\_ Cooler: \_\_\_ No (Not Intact) : \_\_\_

Not Present: [check]

Initial: DN

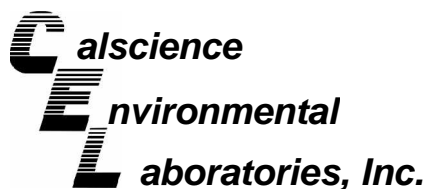
SAMPLE CONDITION:

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: DN

COMMENTS:

Multiple horizontal lines for handwritten comments.



July 16, 2007

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

Subject: **Calscience Work Order No.: 07-07-0443**  
**Client Reference: 1230 14th St., Oakland, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 7/7/2007 and analyzed in accordance with the attached chain-of-custody.

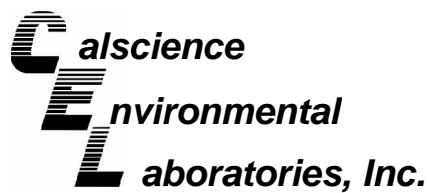
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows 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 "Don Burley".

Calscience Environmental  
Laboratories, Inc.  
Don Burley  
Project Manager



## Analytical Report



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

Date Received: 07/07/07  
Work Order No: 07-07-0443  
Preparation: EPA 5030B  
Method: EPA 8015B (M)

Project: 1230 14th St., Oakland, CA

Page 1 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-1	07-07-0443-1	07/03/07	Aqueous	GC 1	07/12/07	07/13/07	070712B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	21000	500	10		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	107	38-134			

MW-5	07-07-0443-2	07/03/07	Aqueous	GC 1	07/12/07	07/13/07	070712B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	41000	2500	50		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	92	38-134			

MW-6	07-07-0443-3	07/03/07	Aqueous	GC 1	07/12/07	07/13/07	070712B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	360	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	93	38-134			

MW-7	07-07-0443-4	07/03/07	Aqueous	GC 1	07/12/07	07/13/07	070712B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	1700	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	107	38-134			

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

## Analytical Report



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

Date Received: 07/07/07  
Work Order No: 07-07-0443  
Preparation: EPA 5030B  
Method: EPA 8015B (M)

Project: 1230 14th St., Oakland, CA

Page 2 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
VW/MW-2	07-07-0443-5	07/03/07	Aqueous	GC 1	07/12/07	07/13/07	070712B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	4500	500	10		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	96	38-134			

VW/MW-4	07-07-0443-6	07/03/07	Aqueous	GC 1	07/12/07	07/13/07	070712B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	2700	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	118	38-134			

VW/AS-1	07-07-0443-7	07/03/07	Aqueous	GC 1	07/12/07	07/13/07	070712B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	70000	5000	100		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	99	38-134			

Method Blank	099-12-436-657	N/A	Aqueous	GC 1	07/12/07	07/12/07	070712B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	92	38-134			

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

## Analytical Report



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

Date Received: 07/07/07  
Work Order No: 07-07-0443  
Preparation: EPA 5030B  
Method: EPA 8260B  
Units: ug/L

Project: 1230 14th St., Oakland, CA

Page 1 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-1	07-07-0443-1	07/03/07	Aqueous	GC/MS M	07/12/07	07/13/07	070712L02

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	6100	25	7.0	50		p/m-Xylene	1300	50	27	50	
Ethylbenzene	960	50	11	50		o-Xylene	460	50	8.4	50	
Toluene	510	50	14	50		Methyl-t-Butyl Ether (MTBE)	ND	50	13	50	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	118	74-140				1,2-Dichloroethane-d4	121	74-146			
Toluene-d8	110	88-112				1,4-Bromofluorobenzene	104	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-5	07-07-0443-2	07/03/07	Aqueous	GC/MS M	07/12/07	07/13/07	070712L02

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	15000	50	14	100		p/m-Xylene	3200	100	54	100	
Ethylbenzene	1900	100	23	100		o-Xylene	850	100	17	100	
Toluene	1800	100	27	100		Methyl-t-Butyl Ether (MTBE)	ND	100	26	100	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	119	74-140				1,2-Dichloroethane-d4	125	74-146			
Toluene-d8	107	88-112				1,4-Bromofluorobenzene	104	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-6	07-07-0443-3	07/03/07	Aqueous	GC/MS M	07/12/07	07/13/07	070712L02

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

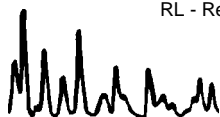
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	3.0	0.50	0.14	1		p/m-Xylene	1.2	1.0	0.54	1	
Ethylbenzene	0.36	1.0	0.23	1	J	o-Xylene	ND	1.0	0.17	1	
Toluene	ND	1.0	0.27	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	119	74-140				1,2-Dichloroethane-d4	126	74-146			
Toluene-d8	110	88-112				1,4-Bromofluorobenzene	103	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-7	07-07-0443-4	07/03/07	Aqueous	GC/MS M	07/13/07	07/13/07	070713L01

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	170	0.50	0.14	1		p/m-Xylene	0.86	1.0	0.54	1	J
Ethylbenzene	7.7	1.0	0.23	1		o-Xylene	ND	1.0	0.17	1	
Toluene	ND	1.0	0.27	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	112	74-140				1,2-Dichloroethane-d4	119	74-146			
Toluene-d8	112	88-112				1,4-Bromofluorobenzene	105	74-110			

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



## Analytical Report



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

Date Received: 07/07/07  
Work Order No: 07-07-0443  
Preparation: EPA 5030B  
Method: EPA 8260B  
Units: ug/L

Project: 1230 14th St., Oakland, CA

Page 2 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
VW/MW-2	07-07-0443-5	07/03/07	Aqueous	GC/MS M	07/13/07	07/13/07	070713L01

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	230	2.5	0.70	5		p/m-Xylene	270	5.0	2.7	5	
Ethylbenzene	160	5.0	1.1	5		o-Xylene	170	5.0	0.84	5	
Toluene	160	5.0	1.4	5		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.3	5	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	118	74-140				1,2-Dichloroethane-d4	121	74-146			
Toluene-d8	108	88-112				1,4-Bromofluorobenzene	104	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
VW/MW-4	07-07-0443-6	07/03/07	Aqueous	GC/MS M	07/13/07	07/13/07	070713L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	650	10	2.8	20		p/m-Xylene	51	2.0	1.1	2	
Ethylbenzene	91	2.0	0.45	2		o-Xylene	14	2.0	0.34	2	
Toluene	24	2.0	0.54	2		Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.52	2	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	111	74-140				1,2-Dichloroethane-d4	114	74-146			
Toluene-d8	110	88-112				1,4-Bromofluorobenzene	106	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
VW/AS-1	07-07-0443-7	07/03/07	Aqueous	GC/MS M	07/13/07	07/13/07	070713L01

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

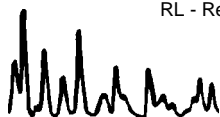
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	8800	25	7.0	50		p/m-Xylene	11000	50	27	50	
Ethylbenzene	3500	50	11	50		o-Xylene	2500	50	8.4	50	
Toluene	4700	50	14	50		Methyl-t-Butyl Ether (MTBE)	ND	50	13	50	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	113	74-140				1,2-Dichloroethane-d4	120	74-146			
Toluene-d8	110	88-112				1,4-Bromofluorobenzene	108	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-10-006-22,077	N/A	Aqueous	GC/MS M	07/12/07	07/13/07	070712L02

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.14	1		p/m-Xylene	ND	1.0	0.54	1	
Ethylbenzene	ND	1.0	0.23	1		o-Xylene	ND	1.0	0.17	1	
Toluene	ND	1.0	0.27	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	120	74-140				1,2-Dichloroethane-d4	122	74-146			
Toluene-d8	108	88-112				1,4-Bromofluorobenzene	102	74-110			

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



## Analytical Report



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

Date Received: 07/07/07  
Work Order No: 07-07-0443  
Preparation: EPA 5030B  
Method: EPA 8260B  
Units: ug/L

Project: 1230 14th St., Oakland, CA

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
<b>Method Blank</b>	<b>099-10-006-22,086</b>	<b>N/A</b>	<b>Aqueous</b>	<b>GC/MS M</b>	<b>07/13/07</b>	<b>07/13/07</b>	<b>070713L01</b>

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

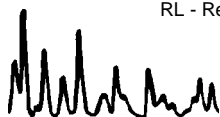
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.14	1		p/m-Xylene	ND	1.0	0.54	1	
Ethylbenzene	ND	1.0	0.23	1		o-Xylene	ND	1.0	0.17	1	
Toluene	ND	1.0	0.27	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>
Dibromofluoromethane	117	74-140				1,2-Dichloroethane-d4	120	74-146			
Toluene-d8	109	88-112				1,4-Bromofluorobenzene	102	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
<b>Method Blank</b>	<b>099-10-006-22,113</b>	<b>N/A</b>	<b>Aqueous</b>	<b>GC/MS M</b>	<b>07/16/07</b>	<b>07/16/07</b>	<b>070716L01</b>

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.14	1		p/m-Xylene	ND	1.0	0.54	1	
Ethylbenzene	ND	1.0	0.23	1		o-Xylene	ND	1.0	0.17	1	
Toluene	ND	1.0	0.27	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>
Dibromofluoromethane	113	74-140				1,2-Dichloroethane-d4	120	74-146			
Toluene-d8	107	88-112				1,4-Bromofluorobenzene	100	74-110			

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: 07/07/07  
Work Order No: 07-07-0443  
Preparation: EPA 5030B  
Method: EPA 8015B (M)

Project 1230 14th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-07-0444-11	Aqueous	GC 1	07/12/07	07/13/07	070712S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	98	101	68-122	3	0-18	

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - Spike/Spike Duplicate



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

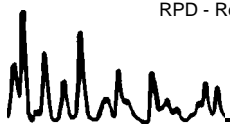
Date Received: 07/07/07  
Work Order No: 07-07-0443  
Preparation: EPA 5030B  
Method: EPA 8260B

Project 1230 14th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-07-0566-7	Aqueous	GC/MS M	07/12/07	07/13/07	070712S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	107	107	88-118	0	0-7	
Carbon Tetrachloride	99	99	67-145	0	0-11	
Chlorobenzene	103	102	88-118	1	0-7	
1,2-Dichlorobenzene	102	104	86-116	1	0-8	
1,1-Dichloroethene	103	93	70-130	11	0-25	
Toluene	107	106	87-123	1	0-8	
Trichloroethene	104	102	79-127	2	0-10	
Vinyl Chloride	101	96	69-129	5	0-13	
Methyl-t-Butyl Ether (MTBE)	102	101	71-131	1	0-13	
Tert-Butyl Alcohol (TBA)	90	92	36-168	3	0-45	
Diisopropyl Ether (DIPE)	108	106	81-123	2	0-9	
Ethyl-t-Butyl Ether (ETBE)	102	101	72-126	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	101	101	72-126	0	0-12	
Ethanol	108	109	53-149	2	0-31	

RPD - Relative Percent Difference , CL - Control Limit





## Quality Control - Spike/Spike Duplicate



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

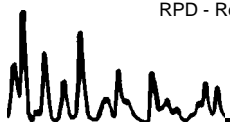
Date Received: 07/07/07  
Work Order No: 07-07-0443  
Preparation: EPA 5030B  
Method: EPA 8260B

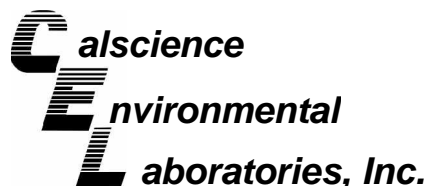
Project 1230 14th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-07-0532-3	Aqueous	GC/MS M	07/13/07	07/13/07	070713S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	107	104	88-118	3	0-7	
Carbon Tetrachloride	98	95	67-145	3	0-11	
Chlorobenzene	102	99	88-118	3	0-7	
1,2-Dichlorobenzene	102	102	86-116	0	0-8	
1,1-Dichloroethene	88	86	70-130	2	0-25	
Toluene	105	103	87-123	1	0-8	
Trichloroethene	102	100	79-127	2	0-10	
Vinyl Chloride	88	93	69-129	6	0-13	
Methyl-t-Butyl Ether (MTBE)	93	89	71-131	5	0-13	
Tert-Butyl Alcohol (TBA)	112	114	36-168	1	0-45	
Diisopropyl Ether (DIPE)	106	102	81-123	4	0-9	
Ethyl-t-Butyl Ether (ETBE)	99	96	72-126	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	99	98	72-126	1	0-12	
Ethanol	116	117	53-149	0	0-31	

RPD - Relative Percent Difference , CL - Control Limit





## Quality Control - Spike/Spike Duplicate



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

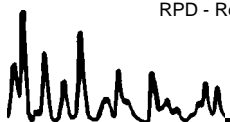
Date Received: 07/07/07  
Work Order No: 07-07-0443  
Preparation: EPA 5030B  
Method: EPA 8260B

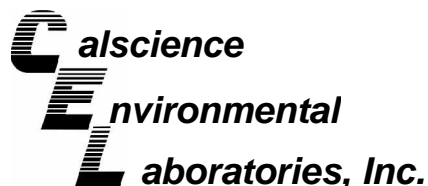
Project 1230 14th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-07-0532-1	Aqueous	GC/MS M	07/16/07	07/16/07	070716S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	101	106	88-118	4	0-7	
Carbon Tetrachloride	93	100	67-145	7	0-11	
Chlorobenzene	97	102	88-118	5	0-7	
1,2-Dichlorobenzene	97	103	86-116	6	0-8	
1,1-Dichloroethene	87	91	70-130	4	0-25	
Toluene	101	105	87-123	4	0-8	
Trichloroethene	98	104	79-127	5	0-10	
Vinyl Chloride	96	94	69-129	2	0-13	
Methyl-t-Butyl Ether (MTBE)	93	101	71-131	8	0-13	
Tert-Butyl Alcohol (TBA)	78	91	36-168	14	0-45	
Diisopropyl Ether (DIPE)	96	102	81-123	7	0-9	
Ethyl-t-Butyl Ether (ETBE)	91	100	72-126	9	0-12	
Tert-Amyl-Methyl Ether (TAME)	94	100	72-126	7	0-12	
Ethanol	100	107	53-149	6	0-31	

RPD - Relative Percent Difference , CL - Control Limit





## Quality Control - LCS/LCS Duplicate



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

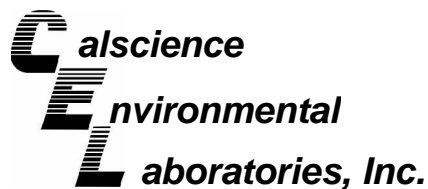
Date Received: N/A  
Work Order No: 07-07-0443  
Preparation: EPA 5030B  
Method: EPA 8015B (M)

Project: 1230 14th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-657	Aqueous	GC 1	07/12/07	07/12/07	070712B01

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	104	105	78-120	2	0-10	

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - LCS/LCS Duplicate



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

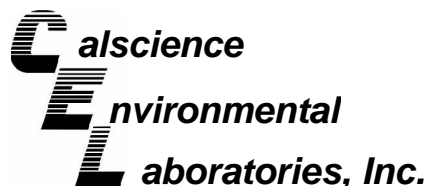
Date Received: N/A  
Work Order No: 07-07-0443  
Preparation: EPA 5030B  
Method: EPA 8260B

Project: 1230 14th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-22,077	Aqueous	GC/MS M	07/12/07	07/13/07	070712L02

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Benzene	108	107	84-120	1	0-8	
Carbon Tetrachloride	96	99	63-147	3	0-10	
Chlorobenzene	103	103	89-119	0	0-7	
1,2-Dichlorobenzene	103	105	89-119	2	0-9	
1,1-Dichloroethene	96	96	77-125	1	0-16	
Toluene	110	108	83-125	2	0-9	
Trichloroethene	104	103	89-119	2	0-8	
Vinyl Chloride	102	109	63-135	7	0-13	
Methyl-t-Butyl Ether (MTBE)	97	99	82-118	2	0-13	
Tert-Butyl Alcohol (TBA)	92	84	46-154	9	0-32	
Diisopropyl Ether (DIPE)	105	106	81-123	1	0-11	
Ethyl-t-Butyl Ether (ETBE)	98	99	74-122	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	100	99	76-124	1	0-10	
Ethanol	113	114	60-138	1	0-32	

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - LCS/LCS Duplicate



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

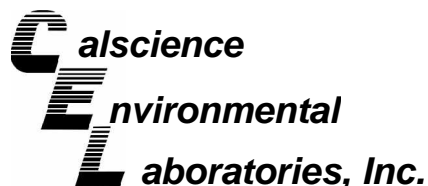
Date Received: N/A  
Work Order No: 07-07-0443  
Preparation: EPA 5030B  
Method: EPA 8260B

Project: 1230 14th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-22,086	Aqueous	GC/MS M	07/13/07	07/13/07	070713L01

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Benzene	108	102	84-120	6	0-8	
Carbon Tetrachloride	99	98	63-147	2	0-10	
Chlorobenzene	101	98	89-119	3	0-7	
1,2-Dichlorobenzene	102	95	89-119	7	0-9	
1,1-Dichloroethene	108	106	77-125	1	0-16	
Toluene	107	102	83-125	5	0-9	
Trichloroethene	104	98	89-119	6	0-8	
Vinyl Chloride	88	89	63-135	2	0-13	
Methyl-t-Butyl Ether (MTBE)	98	96	82-118	2	0-13	
Tert-Butyl Alcohol (TBA)	91	89	46-154	2	0-32	
Diisopropyl Ether (DIPE)	102	100	81-123	2	0-11	
Ethyl-t-Butyl Ether (ETBE)	96	96	74-122	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	99	96	76-124	3	0-10	
Ethanol	104	101	60-138	3	0-32	

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: 07-07-0443  
Preparation: EPA 5030B  
Method: EPA 8260B

Project: 1230 14th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-22,113	Aqueous	GC/MS M	07/16/07	07/16/07	070716L01

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Benzene	102	107	84-120	4	0-8	
Carbon Tetrachloride	100	105	63-147	5	0-10	
Chlorobenzene	99	104	89-119	4	0-7	
1,2-Dichlorobenzene	99	108	89-119	8	0-9	
1,1-Dichloroethene	95	94	77-125	2	0-16	
Toluene	104	107	83-125	3	0-9	
Trichloroethene	100	103	89-119	3	0-8	
Vinyl Chloride	93	99	63-135	6	0-13	
Methyl-t-Butyl Ether (MTBE)	92	97	82-118	5	0-13	
Tert-Butyl Alcohol (TBA)	85	95	46-154	11	0-32	
Diisopropyl Ether (DIPE)	96	102	81-123	5	0-11	
Ethyl-t-Butyl Ether (ETBE)	91	97	74-122	6	0-12	
Tert-Amyl-Methyl Ether (TAME)	94	99	76-124	5	0-10	
Ethanol	104	110	60-138	6	0-32	

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 07-07-0443
 

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<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 or Matrix Spike Duplicate 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.
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:
- TA - Irvine, California
  - TA - Morgan Hill, California
  - TA - Sacramento, California
  - TA - Nashville, Tennessee
  - Calscienc
  - Other \_\_\_\_\_



# SHELL Chain Of Custody Record

NAME OF PERSON TO BILL: **Denis Brown**

INCIDENT # (ES ONLY)

9 7 0 8 8 2 5 0

DATE: **7/3/07**

CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

ENVIRONMENTAL SERVICES

NETWORK DEV / FE

BILL CONSULTANT

COMPLIANCE

RMT/CRMT

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

SAMPLING COMPANY: <b>Blaine Tech Services</b>		LOG CODE: <b>BTSS</b>	SITE ADDRESS: Street and City <b>1230 14th St., Oakland</b>		State <b>CA</b>	GLOBAL ID NO.: <b>T0600101691</b>		
ADDRESS: <b>1680 Rogers Avenue, San Jose, CA 95112</b>			EDF DELIVERABLE TO (Name, Company, Office Location): <b>Ana Friel, CRA, Eureka Office</b>		PHONE NO.: <b>(707) 268-3812</b>	E-MAIL: <b>sonomaedf@croworld.com</b>	CONSULTANT PROJECT NO.: <b>070703-702</b>	
PROJECT CONTACT (Hardcopy or PDF Report to): <b>Michael Ninokata</b>			SAMPLER NAME(S) (Print): <b>Tony Vega</b>		LAB USE ONLY <b>07-07-0443</b>			
TELEPHONE: <b>408-573-0555</b>	FAX: <b>408-573-7771</b>	E-MAIL: <b>mninokata@blainetech.com</b>	TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS): <input checked="" type="checkbox"/> STD <input type="checkbox"/> 5 DAY <input type="checkbox"/> 3 DAY <input type="checkbox"/> 2 DAY <input type="checkbox"/> 24 HOURS					RESULTS NEEDED <input type="checkbox"/> ON WEEKEND
<input type="checkbox"/> LA - RWQCB REPORT FORMAT <input type="checkbox"/> UST AGENCY: _____			REQUESTED ANALYSIS					

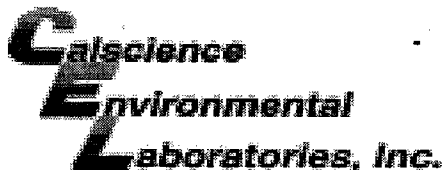
SPECIAL INSTRUCTIONS OR NOTES:

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

FIELD NOTES:  
Container/Preservative or PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable (8260B)	TPH - Diesel, Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	TEMPERATURE ON RECEIPT C°
		DATE	TIME																
1	MW-1	7/3/07	1128	W	5	X	X	X											
2	MW-5		1208		5	X	X	X											
3	MW-6		1230		5	X	X	X											
4	MW-7		1240		5	X	X	X											
5	VW/MW-2		1105		5	X	X	X											
6	VW/MW-4		1035		5	X	X	X											
7	VW/AS-1		1220		5	X	X	X											

Relinquished by: (Signature) <i>Tony Vega</i>	Received by: (Signature) <i>Tony Vega Sample Custodian</i>	Date: <b>7/3/07</b>	Time: <b>1440</b>
Relinquished by: (Signature) <i>Michael Ninokata</i>	Received by: (Signature) <i>[Signature]</i>	Date:	Time:
Relinquished by: (Signature) <i>GSO</i>	Received by: (Signature) <i>[Signature]</i>	Date: <b>07-07-07</b>	Time: <b>0950</b>



WORK ORDER #: 07 - 07 - 0443

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Blaine Tech

DATE: 07.07.07

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.
C Temperature blank.

LABORATORY (Other than Calscience Courier):

- 1.9 C Temperature blank.
C IR thermometer.
Ambient temperature.

Initial: SF

CUSTODY SEAL INTACT:

Sample(s): Cooler: No (Not Intact):

Not Present: Initial: SF

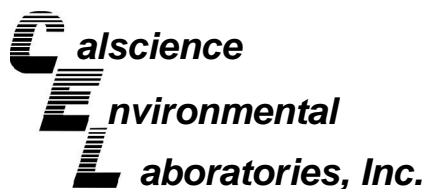
SAMPLE CONDITION:

Table with 4 columns: Item, 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: SF

COMMENTS:

Blank lines for handwritten comments.



August 27, 2007

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

Subject: **Calscience Work Order No.: 07-08-1366**  
**Client Reference: 1230 14th St., Oakland, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 8/18/2007 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 "Danielle Gonsman", with a horizontal line extending to the right.

Calscience Environmental  
Laboratories, Inc.  
Danielle Gonsman  
Project Manager

## Analytical Report



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

Date Received: 08/18/07  
Work Order No: 07-08-1366  
Preparation: EPA 5030B  
Method: EPA 8015B (M)

Project: 1230 14th St., Oakland, CA

Page 1 of 4

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
<b>MW-1</b>	<b>07-08-1366-1</b>	<b>08/16/07</b>	<b>Aqueous</b>	<b>GC 24</b>	<b>08/21/07</b>	<b>08/22/07</b>	<b>070821B02</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Gasoline	20000	1000	20		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	83	38-134			

<b>MW-2</b>	<b>07-08-1366-2</b>	<b>08/16/07</b>	<b>Aqueous</b>	<b>GC 24</b>	<b>08/21/07</b>	<b>08/22/07</b>	<b>070821B02</b>
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Gasoline	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	73	38-134			

<b>MW-3</b>	<b>07-08-1366-3</b>	<b>08/16/07</b>	<b>Aqueous</b>	<b>GC 24</b>	<b>08/21/07</b>	<b>08/22/07</b>	<b>070821B02</b>
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Gasoline	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	74	38-134			

<b>MW-4</b>	<b>07-08-1366-4</b>	<b>08/16/07</b>	<b>Aqueous</b>	<b>GC 24</b>	<b>08/21/07</b>	<b>08/22/07</b>	<b>070821B02</b>
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Gasoline	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	75	38-134			

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

## Analytical Report



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

Date Received: 08/18/07  
Work Order No: 07-08-1366  
Preparation: EPA 5030B  
Method: EPA 8015B (M)

Project: 1230 14th St., Oakland, CA

Page 2 of 4

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
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<b>MW-5</b>	<b>07-08-1366-5</b>	<b>08/16/07</b>	<b>Aqueous</b>	<b>GC 24</b>	<b>08/21/07</b>	<b>08/22/07</b>	<b>070821B02</b>
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Comment(s): -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.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	43000	5000	100		ug/L

Surrogates:	REC (%)	Control Limits	Qual
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1,4-Bromofluorobenzene	75	38-134	
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<b>MW-6</b>	<b>07-08-1366-6</b>	<b>08/16/07</b>	<b>Aqueous</b>	<b>GC 24</b>	<b>08/21/07</b>	<b>08/22/07</b>	<b>070821B02</b>
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Comment(s): -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.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	400	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
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1,4-Bromofluorobenzene	76	38-134	
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<b>MW-7</b>	<b>07-08-1366-7</b>	<b>08/16/07</b>	<b>Aqueous</b>	<b>GC 24</b>	<b>08/21/07</b>	<b>08/22/07</b>	<b>070821B02</b>
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	1900	100	2		ug/L

Surrogates:	REC (%)	Control Limits	Qual
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1,4-Bromofluorobenzene	82	38-134	
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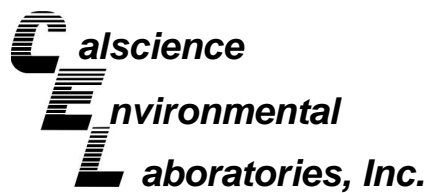
<b>VW/MW-2</b>	<b>07-08-1366-8</b>	<b>08/16/07</b>	<b>Aqueous</b>	<b>GC 24</b>	<b>08/21/07</b>	<b>08/22/07</b>	<b>070821B02</b>
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	8800	250	5		ug/L

Surrogates:	REC (%)	Control Limits	Qual
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1,4-Bromofluorobenzene	91	38-134	
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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



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

Date Received: 08/18/07  
Work Order No: 07-08-1366  
Preparation: EPA 5030B  
Method: EPA 8015B (M)

Project: 1230 14th St., Oakland, CA

Page 3 of 4

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
VW/MW-4	07-08-1366-9	08/16/07	Aqueous	GC 24	08/21/07	08/22/07	070821B02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	1400	100	2		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	85	38-134			

VW/AS-1	07-08-1366-10	08/16/07	Aqueous	GC 24	08/21/07	08/22/07	070821B02
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	67000	5000	100		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	77	38-134			

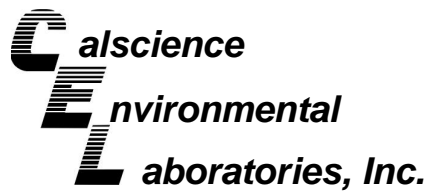
VW/AS-3	07-08-1366-11	08/16/07	Aqueous	GC 30	08/27/07	08/27/07	070827B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	1000	250	5		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	89	38-134			

Method Blank	099-12-436-814	N/A	Aqueous	GC 24	08/21/07	08/22/07	070821B02
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	78	38-134			

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



## Analytical Report



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

Date Received: 08/18/07  
Work Order No: 07-08-1366  
Preparation: EPA 5030B  
Method: EPA 8015B (M)

Project: 1230 14th St., Oakland, CA

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-12-436-839	N/A	Aqueous	GC 30	08/27/07	08/27/07	070827B01

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Gasoline	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	85	38-134			

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



## Analytical Report

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

Date Received: 08/18/07  
Work Order No: 07-08-1366  
Preparation: EPA 5030B  
Method: EPA 8260B  
Units: ug/L

Project: 1230 14th St., Oakland, CA

Page 1 of 4

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-1	07-08-1366-1	08/16/07	Aqueous	GC/MS R	08/23/07	08/24/07	070823L02

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	5800	25	7.0	50		p/m-Xylene	1300	50	27	50	
Ethylbenzene	1100	50	11	50		o-Xylene	430	50	8.4	50	
Toluene	460	50	14	50		Methyl-t-Butyl Ether (MTBE)	ND	50	13	50	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	98	74-140				1,2-Dichloroethane-d4	99	74-146			
Toluene-d8	96	88-112				1,4-Bromofluorobenzene	94	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-2	07-08-1366-2	08/16/07	Aqueous	GC/MS R	08/23/07	08/24/07	070823L02

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.14	1		p/m-Xylene	ND	1.0	0.54	1	
Ethylbenzene	ND	1.0	0.23	1		o-Xylene	ND	1.0	0.17	1	
Toluene	ND	1.0	0.27	1		Methyl-t-Butyl Ether (MTBE)	1.3	1.0	0.26	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	101	74-140				1,2-Dichloroethane-d4	102	74-146			
Toluene-d8	97	88-112				1,4-Bromofluorobenzene	95	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-3	07-08-1366-3	08/16/07	Aqueous	GC/MS R	08/23/07	08/24/07	070823L02

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

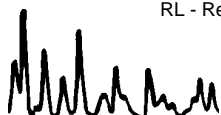
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.14	1		p/m-Xylene	ND	1.0	0.54	1	
Ethylbenzene	ND	1.0	0.23	1		o-Xylene	ND	1.0	0.17	1	
Toluene	ND	1.0	0.27	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	100	74-140				1,2-Dichloroethane-d4	102	74-146			
Toluene-d8	97	88-112				1,4-Bromofluorobenzene	93	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-4	07-08-1366-4	08/16/07	Aqueous	GC/MS R	08/23/07	08/24/07	070823L02

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.14	1		p/m-Xylene	ND	1.0	0.54	1	
Ethylbenzene	ND	1.0	0.23	1		o-Xylene	ND	1.0	0.17	1	
Toluene	ND	1.0	0.27	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	102	74-140				1,2-Dichloroethane-d4	103	74-146			
Toluene-d8	98	88-112				1,4-Bromofluorobenzene	94	74-110			

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



## Analytical Report

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

Date Received: 08/18/07  
Work Order No: 07-08-1366  
Preparation: EPA 5030B  
Method: EPA 8260B  
Units: ug/L

Project: 1230 14th St., Oakland, CA

Page 2 of 4

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-5	07-08-1366-5	08/16/07	Aqueous	GC/MS R	08/23/07	08/24/07	070823L02

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	13000	50	14	100		p/m-Xylene	3300	100	54	100	
Ethylbenzene	2000	100	23	100		o-Xylene	850	100	17	100	
Toluene	2000	100	27	100		Methyl-t-Butyl Ether (MTBE)	ND	100	26	100	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	101	74-140				1,2-Dichloroethane-d4	102	74-146			
Toluene-d8	96	88-112				1,4-Bromofluorobenzene	94	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-6	07-08-1366-6	08/16/07	Aqueous	GC/MS R	08/23/07	08/24/07	070823L02

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	2.8	0.50	0.14	1		p/m-Xylene	ND	1.0	0.54	1	
Ethylbenzene	ND	1.0	0.23	1		o-Xylene	ND	1.0	0.17	1	
Toluene	ND	1.0	0.27	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	101	74-140				1,2-Dichloroethane-d4	104	74-146			
Toluene-d8	98	88-112				1,4-Bromofluorobenzene	94	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-7	07-08-1366-7	08/16/07	Aqueous	GC/MS FF	08/24/07	08/24/07	070824L01

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

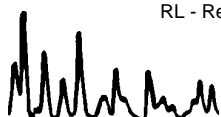
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	44	0.50	0.14	1		p/m-Xylene	ND	1.0	0.54	1	
Ethylbenzene	ND	1.0	0.23	1		o-Xylene	ND	1.0	0.17	1	
Toluene	ND	1.0	0.27	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	102	74-140				1,2-Dichloroethane-d4	99	74-146			
Toluene-d8	102	88-112				1,4-Bromofluorobenzene	99	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
VW/MW-2	07-08-1366-8	08/16/07	Aqueous	GC/MS R	08/23/07	08/24/07	070823L02

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	550	2.5	0.70	5		p/m-Xylene	650	5.0	2.7	5	
Ethylbenzene	430	5.0	1.1	5		o-Xylene	370	5.0	0.84	5	
Toluene	520	5.0	1.4	5		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.3	5	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	102	74-140				1,2-Dichloroethane-d4	101	74-146			
Toluene-d8	99	88-112				1,4-Bromofluorobenzene	99	74-110			

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



## Analytical Report

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

Date Received: 08/18/07  
Work Order No: 07-08-1366  
Preparation: EPA 5030B  
Method: EPA 8260B  
Units: ug/L

Project: 1230 14th St., Oakland, CA

Page 3 of 4

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
VW/MW-4	07-08-1366-9	08/16/07	Aqueous	GC/MS R	08/23/07	08/24/07	070823L02

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	240	2.5	0.70	5		p/m-Xylene	33	5.0	2.7	5	
Ethylbenzene	32	5.0	1.1	5		o-Xylene	9.3	5.0	0.84	5	
Toluene	8.8	5.0	1.4	5		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.3	5	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	101	74-140				1,2-Dichloroethane-d4	101	74-146			
Toluene-d8	97	88-112				1,4-Bromofluorobenzene	96	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
VW/AS-1	07-08-1366-10	08/16/07	Aqueous	GC/MS R	08/23/07	08/24/07	070823L02

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	9000	25	7.0	50		p/m-Xylene	11000	50	27	50	
Ethylbenzene	3900	50	11	50		o-Xylene	3200	50	8.4	50	
Toluene	5500	50	14	50		Methyl-t-Butyl Ether (MTBE)	ND	50	13	50	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	99	74-140				1,2-Dichloroethane-d4	101	74-146			
Toluene-d8	97	88-112				1,4-Bromofluorobenzene	97	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
VW/AS-3	07-08-1366-11	08/16/07	Aqueous	GC/MS FF	08/24/07	08/24/07	070824L01

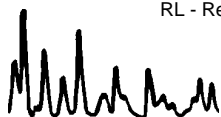
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	200	0.50	0.14	1		p/m-Xylene	46	1.0	0.54	1	
Ethylbenzene	1.1	1.0	0.23	1		o-Xylene	1.7	1.0	0.17	1	
Toluene	4.0	1.0	0.27	1		Methyl-t-Butyl Ether (MTBE)	3.3	1.0	0.26	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	104	74-140				1,2-Dichloroethane-d4	101	74-146			
Toluene-d8	100	88-112				1,4-Bromofluorobenzene	98	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-10-006-22,546	N/A	Aqueous	GC/MS R	08/23/07	08/24/07	070823L02

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.14	1		p/m-Xylene	ND	1.0	0.54	1	
Ethylbenzene	ND	1.0	0.23	1		o-Xylene	ND	1.0	0.17	1	
Toluene	ND	1.0	0.27	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	102	74-140				1,2-Dichloroethane-d4	103	74-146			
Toluene-d8	97	88-112				1,4-Bromofluorobenzene	92	74-110			

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



## Analytical Report



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

Date Received: 08/18/07  
Work Order No: 07-08-1366  
Preparation: EPA 5030B  
Method: EPA 8260B  
Units: ug/L

Project: 1230 14th St., Oakland, CA

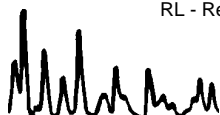
Page 4 of 4

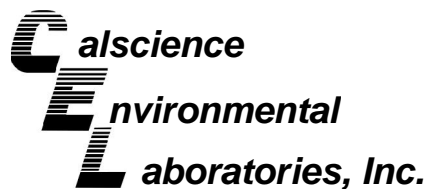
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
<b>Method Blank</b>	<b>099-10-006-22,549</b>	<b>N/A</b>	<b>Aqueous</b>	<b>GC/MS FF</b>	<b>08/24/07</b>	<b>08/24/07</b>	<b>070824L01</b>

Comment(s): -Results were evaluated to the MDL, concentrations  $\geq$  to the MDL but  $<$  RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.14	1		p/m-Xylene	ND	1.0	0.54	1	
Ethylbenzene	ND	1.0	0.23	1		o-Xylene	ND	1.0	0.17	1	
Toluene	ND	1.0	0.27	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	99	74-140				1,2-Dichloroethane-d4	100	74-146			
Toluene-d8	100	88-112				1,4-Bromofluorobenzene	97	74-110			

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

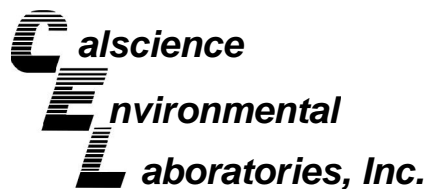
Date Received: 08/18/07  
Work Order No: 07-08-1366  
Preparation: EPA 5030B  
Method: EPA 8015B (M)

Project 1230 14th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-2	Aqueous	GC 24	08/21/07	08/22/07	070821S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	86	86	68-122	0	0-18	

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - Spike/Spike Duplicate



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

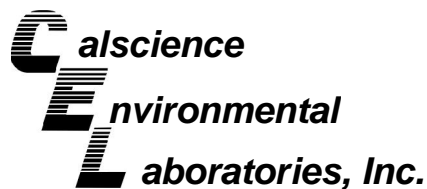
Date Received: 08/18/07  
Work Order No: 07-08-1366  
Preparation: EPA 5030B  
Method: EPA 8015B (M)

Project 1230 14th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-08-1825-3	Aqueous	GC 30	08/27/07	08/27/07	070827S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	103	99	68-122	3	0-18	

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - Spike/Spike Duplicate



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

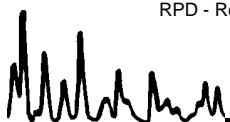
Date Received: 08/18/07  
Work Order No: 07-08-1366  
Preparation: EPA 5030B  
Method: EPA 8260B

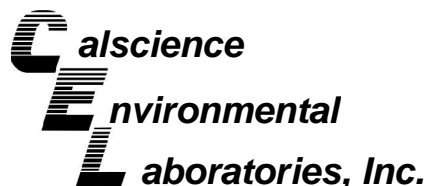
Project 1230 14th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-3	Aqueous	GC/MS R	08/23/07	08/24/07	070823S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	91	90	88-118	1	0-7	
Carbon Tetrachloride	87	89	67-145	2	0-11	
Chlorobenzene	96	94	88-118	2	0-7	
1,2-Dibromoethane	103	105	70-130	1	0-30	
1,2-Dichlorobenzene	96	95	86-116	1	0-8	
1,1-Dichloroethene	83	82	70-130	1	0-25	
Ethylbenzene	94	92	70-130	2	0-30	
Toluene	93	91	87-123	2	0-8	
Trichloroethene	90	89	79-127	1	0-10	
Vinyl Chloride	81	80	69-129	2	0-13	
Methyl-t-Butyl Ether (MTBE)	90	92	71-131	3	0-13	
Tert-Butyl Alcohol (TBA)	77	78	36-168	1	0-45	
Diisopropyl Ether (DIPE)	83	83	81-123	1	0-9	
Ethyl-t-Butyl Ether (ETBE)	77	79	72-126	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	89	92	72-126	3	0-12	
Ethanol	72	72	53-149	1	0-31	

RPD - Relative Percent Difference , CL - Control Limit





## Quality Control - Spike/Spike Duplicate



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

Date Received: 08/18/07  
Work Order No: 07-08-1366  
Preparation: EPA 5030B  
Method: EPA 8260B

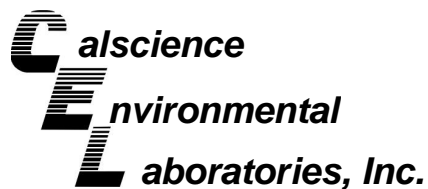
Project 1230 14th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-08-1332-45	Aqueous	GC/MS FF	08/24/07	08/24/07	070824S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	102	102	88-118	0	0-7	
Carbon Tetrachloride	107	108	67-145	1	0-11	
Chlorobenzene	103	103	88-118	0	0-7	
1,2-Dibromoethane	102	103	70-130	1	0-30	
1,2-Dichlorobenzene	96	96	86-116	0	0-8	
1,1-Dichloroethene	105	104	70-130	1	0-25	
Ethylbenzene	102	102	70-130	0	0-30	
Toluene	104	104	87-123	0	0-8	
Trichloroethene	105	105	79-127	0	0-10	
Vinyl Chloride	96	94	69-129	2	0-13	
Methyl-t-Butyl Ether (MTBE)	92	94	71-131	2	0-13	
Tert-Butyl Alcohol (TBA)	65	68	36-168	5	0-45	
Diisopropyl Ether (DIPE)	90	90	81-123	1	0-9	
Ethyl-t-Butyl Ether (ETBE)	88	89	72-126	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	91	93	72-126	2	0-12	
Ethanol	75	80	53-149	5	0-31	

RPD - Relative Percent Difference , CL - Control Limit





## Quality Control - LCS/LCS Duplicate



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

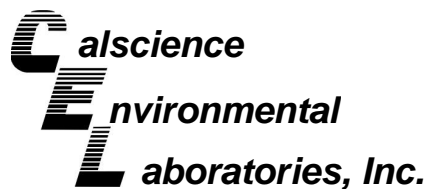
Date Received: N/A  
Work Order No: 07-08-1366  
Preparation: EPA 5030B  
Method: EPA 8015B (M)

Project: 1230 14th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-814	Aqueous	GC 24	08/21/07	08/22/07	070821B02

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	94	94	78-120	1	0-10	

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - LCS/LCS Duplicate



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

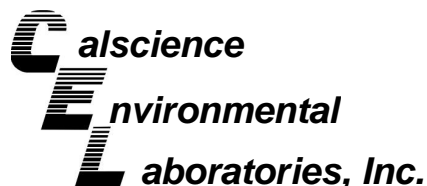
Date Received: N/A  
Work Order No: 07-08-1366  
Preparation: EPA 5030B  
Method: EPA 8015B (M)

Project: 1230 14th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-839	Aqueous	GC 30	08/27/07	08/27/07	070827B01

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	105	105	78-120	0	0-10	

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - LCS/LCS Duplicate



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

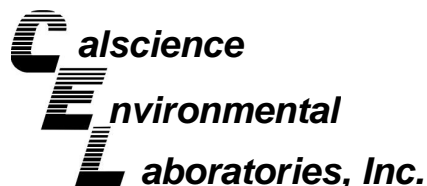
Date Received: N/A  
Work Order No: 07-08-1366  
Preparation: EPA 5030B  
Method: EPA 8260B

Project: 1230 14th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-22,546	Aqueous	GC/MS R	08/23/07	08/23/07	070823L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	98	84-120	0	0-8	
Carbon Tetrachloride	98	100	63-147	2	0-10	
Chlorobenzene	99	103	89-119	3	0-7	
1,2-Dibromoethane	104	104	80-120	0	0-20	
1,2-Dichlorobenzene	97	100	89-119	3	0-9	
1,1-Dichloroethene	88	94	77-125	6	0-16	
Ethylbenzene	99	104	80-120	5	0-20	
Toluene	98	99	83-125	2	0-9	
Trichloroethene	97	99	89-119	2	0-8	
Vinyl Chloride	86	93	63-135	7	0-13	
Methyl-t-Butyl Ether (MTBE)	84	87	82-118	3	0-13	
Tert-Butyl Alcohol (TBA)	79	84	46-154	6	0-32	
Diisopropyl Ether (DIPE)	81	86	81-123	5	0-11	
Ethyl-t-Butyl Ether (ETBE)	86	76	74-122	12	0-12	
Tert-Amyl-Methyl Ether (TAME)	90	87	76-124	3	0-10	
Ethanol	87	81	60-138	7	0-32	

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: 07-08-1366  
Preparation: EPA 5030B  
Method: EPA 8260B

Project: 1230 14th St., Oakland, CA

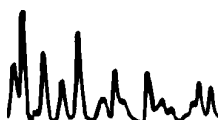
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-22,549	Aqueous	GC/MS FF	08/24/07	08/24/07	070824L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	101	101	84-120	0	0-8	
Carbon Tetrachloride	106	108	63-147	1	0-10	
Chlorobenzene	102	103	89-119	1	0-7	
1,2-Dibromoethane	104	108	80-120	4	0-20	
1,2-Dichlorobenzene	96	97	89-119	1	0-9	
1,1-Dichloroethene	101	102	77-125	1	0-16	
Ethylbenzene	102	102	80-120	0	0-20	
Toluene	103	103	83-125	0	0-9	
Trichloroethene	103	104	89-119	1	0-8	
Vinyl Chloride	91	91	63-135	0	0-13	
Methyl-t-Butyl Ether (MTBE)	94	97	82-118	4	0-13	
Tert-Butyl Alcohol (TBA)	71	77	46-154	7	0-32	
Diisopropyl Ether (DIPE)	90	91	81-123	1	0-11	
Ethyl-t-Butyl Ether (ETBE)	90	92	74-122	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	93	95	76-124	1	0-10	
Ethanol	92	98	60-138	6	0-32	

RPD - Relative Percent Difference , CL - Control Limit

Work Order Number: 07-08-1366

<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 or Matrix Spike Duplicate 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.
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:



# SHELL Chain Of Custody Record

1366

- TA - Irvine, California
- TA - Morgan Hill, California
- TA - Sacramento, California
- TA - Nashville, Tennessee
- Calscience
- Other \_\_\_\_\_

NAME OF PERSON TO BILL: Denis Brown

ENVIRONMENTAL SERVICES

CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (ES ONLY)

9 7 0 8 8 2 5 0

DATE: 8-16-07

NETWORK DEV / FE

BILL CONSULTANT

PO #

SAP or CRMT #

PAGE: 1 of 2

COMPLIANCE

RMT/CRMT

SAMPLING COMPANY: <b>Blaine Tech Services</b>		LOG CODE: <b>BTSS</b>	SITE ADDRESS: Street and City <b>1230 14th St., Oakland</b>		State <b>CA</b>	GLOBAL ID NO.: <b>T0600101691</b>		
ADDRESS: <b>1680 Rogers Avenue, San Jose, CA 95112</b>			EDF DELIVERABLE TO (Name, Company, Office Location): <b>Ana Friel, CRA, Eureka Office</b>		PHONE NO.: <b>(707) 268-3812</b>		CONSULTANT PROJECT NO.: <b>070816-PW-1</b>	
PROJECT CONTACT (Hardcopy or PDF Report to): <b>Michael Ninokata</b>			SAMPLER NAME(S) (Print): <b>Dave Waltey</b>		E-MAIL: <b>sonomaedf@croworld.com</b>		BTS #	
TELEPHONE: <b>408-573-0555</b>	FAX: <b>408-573-7771</b>	E-MAIL: <b>mninokata@blainetech.com</b>	LAB USE ONLY <b>07-08-1366</b>					

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS):

STD  5 DAY  3 DAY  2 DAY  24 HOURS

RESULTS NEEDED ON WEEKEND

LA - RWQCB REPORT FORMAT  UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES:

EDD NOT NEEDED

SHELL CONTRACT RATE APPLIES

STATE REIMB RATE APPLIES

RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS														FIELD NOTES:		
TPH - Gas, Purgeable (8260B)	TPH - Diesel, Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)			Container/Preservative or PID Readings or Laboratory Notes	
X	X	X	X													TEMPERATURE ON RECEIPT C°
X	X	X	X													
X	X	X	X													
X	X	X	X													
X	X	X	X													
X	X	X	X													
X	X	X	X													
X	X	X	X													
X	X	X	X													

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable (8260B)	TPH - Diesel, Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)			
		DATE	TIME																		
1	MW-1	8-16	1144	W	5	X	X	X													
2	MW-2		0911			X	X	X													
3	MW-3		0930			X	X	X													
4	MW-4		0950			X	X	X													
5	MW-5		1215			X	X	X													
6	MW-6		1007			X	X	X													
7	MW-7		1124			X	X	X													
8	VW/MW-2		1104			X	X	X													
9	VW/MW-4		1024			X	X	X													
10	VW/AS-1		605			X	X	X													

Relinquished by: (Signature) <i>David C. Platt</i>	Received by: (Signature) <i>David C. Platt (Sample Custodian)</i>	Date: 8-16-07	Time: 1600
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: 8/17/07	Time: 1638
Relinquished by: (Signature) <i>[Signature] (to GSD)</i>	Received by: (Signature) <i>[Signature] (copy)</i>	Date: 8/18/07	Time: 10:45



# SHELL Chain Of Custody Record

1366

- LAB: TA - Irvine, California  
 TA - Morgan Hill, California  
 TA - Sacramento, California  
 TA - Nashville, Tennessee  
 Calscienc  
 Other

**NAME OF PERSON TO BILL:** Denis Brown  
 ENVIRONMENTAL SERVICES     CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES  
 NETWORK DEV / FE     BILL CONSULTANT  
 COMPLIANCE     RMT/CRMT

INCIDENT # (ES ONLY) 9 7 0 8 8 2 5 0  
 DATE: 8-16-07  
 PAGE: 2 of 2

SAMPLING COMPANY: **Blaine Tech Services** LOG CODE: **BTSS**  
 ADDRESS: **1680 Rogers Avenue, San Jose, CA 95112**  
 PROJECT CONTACT (Hardcopy or PDF Report to): **Michael Ninokata**  
 TELEPHONE: **408-573-0555** FAX: **408-573-7771** E-MAIL: **mninokata@blainetech.com**

SITE ADDRESS: Street and City **1230 14th St., Oakland** State: **CA** GLOBAL ID NO.: **T0600101691**  
 EDf DELIVERABLE TO (Name, Company, Office Location): **Ana Friel, CRA, Eureka Office** PHONE NO.: **(707) 268-3812** E-MAIL: **sonomaedf@craworld.com** CONSULTANT PROJECT NO.: **070816-DW-1**  
 SAMPLER NAME(S) (Print): **Dave Walter** LAB USE ONLY: **0708-1366**

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS):  
 STD     5 DAY     3 DAY     2 DAY     24 HOURS     RESULTS NEEDED ON WEEKEND

LA - RWQCB REPORT FORMAT     UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES:  
 EDD NOT NEEDED  
 SHELL CONTRACT RATE APPLIES  
 STATE REIMB RATE APPLIES  
 RECEIPT VERIFICATION REQUESTED

**REQUESTED ANALYSIS**

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable (8260B)	TPH - Diesel, Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	TEMPERATURE ON RECEIPT C°
		DATE	TIME																
	VW/AS-3	8-16	1042	w	5	x	x	x											

**FIELD NOTES:**  
 Container/Preservative or PID Readings or Laboratory Notes

Relinquished by: (Signature) <b>David C. Kolt</b>	Received by: (Signature) <b>David G. Kolt (Sample Custodian)</b>	Date: <b>8-16-07</b>	Time: <b>1600</b>
Relinquished by: (Signature) <b>[Signature]</b>	Received by: (Signature) <b>[Signature]</b>	Date: <b>8/17/07</b>	Time: <b>1620</b>
Relinquished by: (Signature) <b>[Signature] (+ GSO)</b>	Received by: (Signature) <b>[Signature] (CEV)</b>	Date: <b>8/18/07</b>	Time: <b>15:45</b>

# SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 1230 14th Street Oakland Date 8-16-07

Job Number 070816-DW-1 Technician Dw 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
MW-1	X	X							
MW-2	X	X							
MW-3	X	X							
MW-4	X	X							
MW-5	X	X							
MW-6	X	X							
MW-7	X	X							
VW/MW-2	X	X							
VW/MW-4	X	X							
VW/AS-1	X	X							
VW/AS-3	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 1230 14th St, Oakland

Date 7/3/07

Job Number 070703-TV2

Technician Tony Vega

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
MW-1	X	X							
MW-5	X	X							
MW-6	X	X							
MW-7	X	X							
VW/MW-2	X	X							
VW/MW-4	X	X							
VW/ <sup>TV</sup> AS-1	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 1230 14th St. Oakland CA Date 6/21/07

Job Number 070621 - TV1 Technician Tony Vega 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
MW-6	X	X							
VW-MW4	X	X							
VW/MW-2	X	X							
MW-7	X	X							
MW-1	X	X							
MW-5	X	X							
VW/AS-1	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 # 070816-DW-1      Date 8-16-07      Client Shell

Site 1230 14th Street 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	
MW-1	0840	2					12.55	21.23	↓		
MW-2	0800	2					11.60	21.95			
MW-3	0804	2					11.87	18.60			
MW-4	0809	2					11.81	19.80			
MW-5	0845	4					12.36	19.72			
MW-6	0815	4					12.74	19.60			
MW-7	0835	4					13.20	19.75			
VW/MW-2	0830	2					12.12	21.95			
VW/MW-4	0821	2					11.87	18.17			
VW/AS-1	0850	1					12.53	14.40			
VW/AS-3	0824	1					11.95	16.55			



## SHELL WELL MONITORING DATA SHEET

BTS #: 070816-0W-1	Site: 1230 14th Street
Sampler: DW	Date: 8-16-07
Well I.D.: MW-2	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth (TD): 21.95	Depth to Water (DTW): 11.60
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.67	

Purge Method: Bailer  Disposable Bailer   Positive Air Displacement  Electric Submersible

Watterra Peristaltic  Extraction Pump  Other \_\_\_\_\_

Sampling Method:  Bailer  Disposable Bailer  Extraction Port  Dedicated Tubing

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

$1.7 \text{ (Gals.)} \times 3 = 5.1 \text{ Gals.}$ <p style="font-size: small; margin: 0;">1 Case Volume      Specified Volumes      Calculated Volume</p>	<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <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 $\mu$ S)	Turbidity (NTUs)	Gals. Removed	Observations
0902	68.9	6.3	760	339	1.7	
0904	68.3	6.3	651	249	3.4	
0906	68.1	6.4	620	186	5.1	

Did well dewater? Yes  No Gallons actually evacuated: 5.1

Sampling Date: 8-16-07      Sampling Time: 0911      Depth to Water: 11.75

Sample I.D.: MW-2      Laboratory: STL      Other: CalScience

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): <u>Pre-purge:</u> 0.5 mg/L	Post-purge: 0.2 mg/L
O.R.P. (if req'd): Pre-purge: _____ mV	Post-purge: _____ mV





## SHELL WELL MONITORING DATA SHEET

BTS #: <u>070816-0W-1</u>	Site: <u>1230 14th Street</u>
Sampler: <u>DW</u>	Date: <u>8-16-07</u>
Well I.D.: <u>MW-5</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth (TD): <u>19.72</u>	Depth to Water (DTW): <u>12.36</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>13.83</u>	

Purge Method: Bailer Disposable Bailer <input checked="" type="checkbox"/> Positive Air Displacement Electric Submersible	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: <input checked="" type="checkbox"/> Bailer Disposable Bailer Extraction Port Dedicated Tubing Other: _____
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$\frac{4.8 \text{ (Gals.)} \times 3 \text{ Specified Volumes}}{1 \text{ Case Volume}} = 14.4 \text{ Gals. Calculated Volume}$	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u> )	Turbidity (NTUs)	Gals. Removed	Observations
1158	66.3	7.4	1337	14	4.8	odor
1206	66.3	7.4	1350	24	9.6	"
1213	65.7	7.4	1378	14	14.4	"

Did well dewater? Yes  No  Gallons actually evacuated: 14.4

Sampling Date: 8-16-07 Sampling Time: 1218 Depth to Water: \_\_\_\_\_

Sample I.D.: MW-5 Laboratory: STL Other Ca/Science

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): <u>Pre-purge</u>	<u>0.6</u> mg/L	Post-purge	<u>0.1</u> mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV



## SHELL WELL MONITORING DATA SHEET

BTS #: <u>070816-0w-1</u>	Site: <u>1230 14th Street</u>
Sampler: <u>DW</u>	Date: <u>8-16-07</u>
Well I.D.: <u>MW-6</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): <u>19.60</u>	Depth to Water (DTW): <u>12.74</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>14.11</u>	

Purge Method: Bailer Disposable Bailer Positive Air Displacement <input checked="" type="checkbox"/> Electric Submersible	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: <input checked="" type="checkbox"/> Bailer Disposable Bailer Extraction Port Dedicated Tubing Other: _____
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$\underline{4.5} \text{ (Gals.)} \times \underline{3} = \underline{13.5} \text{ Gals.}$ 1 Case Volume      Specified Volumes      Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <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
1000	65.7	6.7	779	111	4.5	
1001	64.5	6.7	899	130	9.0	
1002	64.2	6.8	910	312	13.5	

Did well dewater?    Yes     No       Gallons actually evacuated: 13.5

Sampling Date: 8-16-07    Sampling Time: 1607      Depth to Water: 14.11

Sample I.D.: MW-6      Laboratory:    STL    Other Ca/Science

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): <u>Pre-purge</u> <u>0.4</u> mg/L	Post-purge <u>0.1</u> mg/L
O.R.P. (if req'd): Pre-purge: _____ mV	Post-purge: _____ mV

## SHELL WELL MONITORING DATA SHEET

BTS #: <u>070816-0w-1</u>	Site: <u>1230 14<sup>th</sup> Street</u>
Sampler: <u>DW</u>	Date: <u>8-16-07</u>
Well I.D.: <u>mw-7</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth (TD): <u>19.75</u>	Depth to Water (DTW): <u>13.20</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>14.51</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   
 Other: \_\_\_\_\_

$\frac{4.3 \text{ (Gals.)} \times 3}{1 \text{ Case Volume}} = 12.9 \text{ Gals.}$ <p style="text-align: center; margin: 0;">Specified Volumes      Calculated Volume</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u> )	Turbidity (NTUs)	Gals. Removed	Observations
1115	69.2	7.1	853	50	4.3	
1116	68.8	7.0	832	72	8.6	
1117	66.4	6.9	865	768	12.9	

Did well dewater? Yes  No       Gallons actually evacuated: 12.9

Sampling Date: 8-16-07      Sampling Time: 1124      Depth to Water: 14.51

Sample I.D.: mw-7      Laboratory: STL Other Ca/Science

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): <u>Pre-purge</u> <u>0.5</u> mg/L	Post-purge <u>1.1</u> mg/L
O.R.P. (if req'd): Pre-purge: _____ mV	Post-purge: _____ mV



## SHELL WELL MONITORING DATA SHEET

BTS #: <u>070816-0w-1</u>	Site: <u>1230 14th Street</u>
Sampler: <u>DW</u>	Date: <u>8-16-07</u>
Well I.D.: <u>VW/mw-4</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth (TD): <u>18.17</u>	Depth to Water (DTW): <u>11.87</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>13.13</u>	

Purge Method:  Bailer  Disposable Bailer  Positive Air Displacement  Electric Submersible

Watera  Peristaltic  Extraction Pump  Other \_\_\_\_\_

Sampling Method:  Bailer  Disposable Bailer  Extraction Port  Dedicated Tubing

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

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

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u> )	Turbidity (NTUs)	Gals. Removed	Observations
<u>1016</u>	<u>68.9</u>	<u>7.2</u>	<u>1019</u>	<u>339</u>	<u>1</u>	<u>odor</u>
<u>1018</u>	<u>68.8</u>	<u>7.3</u>	<u>1057</u>	<u>222</u>	<u>2</u>	<u>"</u>
<u>1019</u>	<u>68.5</u>	<u>7.3</u>	<u>1070</u>	<u>118</u>	<u>3</u>	<u>"</u>

Did well dewater? Yes  No  Gallons actually evacuated: 3

Sampling Date: 8-16-07 Sampling Time: 1024 Depth to Water: 12.03

Sample I.D.: VW/mw-4 Laboratory: STL Other Cal Science

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): <u>Pre-purge:</u> <u>0.3</u> mg/L	Post-purge: <u>0.1</u> mg/L
O.R.P. (if req'd): Pre-purge: _____ mV	Post-purge: _____ mV

## SHELL WELL MONITORING DATA SHEET

BTS #: <u>070816-0w-1</u>	Site: <u>1230 14<sup>th</sup> Street</u>
Sampler: <u>DW</u>	Date: <u>8-16-07</u>
Well I.D.: <u>VW/AS-1</u>	Well Diameter: 2 3 4 6 8 <u>10</u>
Total Well Depth (TD): <u>14.40</u>	Depth to Water (DTW): <u>12.53</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]:	

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

(Gals.) X <u>3 no purge</u> 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 <u>µS</u> )	Turbidity (NTUs)	Gals. Removed	Observations
<u>1205</u>	<u>67.5</u>	<u>7.4</u>	<u>1159</u>	<u>149</u>	-	<u>odor</u>
<u>No purge due to casing damage.</u>						

Did well dewater?    Yes    No      Gallons actually evacuated:   

Sampling Date: 8-16-07    Sampling Time: 1205      Depth to Water:

Sample I.D.: VW/AS-1      Laboratory: STL    Other CalScience

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): <u>Pre-purge</u>	<u>0.2</u> mg/L	<u>Post-purge</u>	mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV



## WELL GAUGING DATA

Project # 070703-7V2 Date 7/3/07 Client Shell

Site 1230 14th St. 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
MW-1	1002	2					12.00	21.08	TOC	
MW-3	1006	4					11.81	19.65	↓	
MW-6	0948	4				12.22	19.62			
MW-7	0958	4				12.76	19.73			
VW/MW-2	0954	2				11.64	22.03			
VW/MW-4	0951	2				11.39	18.16			
VW/AS-1	1010	2				11.98	19.49			

## SHELL WELL MONITORING DATA SHEET

BTS #: 070703-TV2	Site: 1230 14th St. Oakland
Sampler: TV	Date: 7/3/07
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8
Total Well Depth (TD): 21.08	Depth to Water (DTW): 12.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVO Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.8	

Purge Method: <input checked="" type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Positive Air Displacement <input type="checkbox"/> Electric Submersible	Waterra <input type="checkbox"/> Peristaltic <input type="checkbox"/> Extraction Pump <input type="checkbox"/> Other	Sampling Method: <input checked="" type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port <input type="checkbox"/> 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 <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond. (mS or $\mu$ S)	Turbidity (NTUs)	Gals. Removed	Observations
1118	65.0	6.77	1132	71000	1.5	cloudy
1120	64.0	6.73	1164	>1000	3	"
1123	63.9	6.74	1169	>1000	4.5	"

Did well dewater? Yes  No  Gallons actually evacuated: 4.5

Sampling Date: 7/3/07      Sampling Time: 1128      Depth to Water: 1257

Sample I.D.: ~~7/3/07~~<sup>TV</sup> MW-1      Laboratory: STL      Other: Cal Science

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



## SHELL WELL MONITORING DATA SHEET

BTS #: 070703-TV2	Site: 1230 14th st. Oakland
Sampler: TV	Date: 7/3/07
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD): 19.65	Depth to Water (DTW): 11.81
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]: 13.38	

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

$\frac{5}{1} \text{ (Gals.)} \times \frac{3}{\text{Specified Volumes}} = \frac{15}{\text{Calculated Volume}} \text{ Gals.}$	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
1135	64.4	7.05	1429	71000	5	cloudy
1144	64.0	6.89	1374	>1000	10	"
1156	64.0	6.71	1374	>1000	15	"

Did well dewater? Yes  No  Gallons actually evacuated: 15

Sampling Date: 7/3/07      Sampling Time: 1208      Depth to Water: 12.49

Sample I.D.: MW-5      Laboratory: STL      Other: Cal Science

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









## SHELL WELL MONITORING DATA SHEET

BTS #: 070703-TVZ	Site: 1230 14th St Oakland
Sampler: TV	Date: 7/3/07
Well I.D.: VW/AS-1	Well Diameter: (2) 3 4 6 8
Total Well Depth (TD): 17.49	Depth to Water (DTW): 11.98
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~~      Waterra      Sampling Method: ~~Bailer~~  
                          Disposable Bailer      Peristaltic      Disposable Bailer  
                          Positive Air Displacement      Extraction Pump      Extraction Port  
                          Electric Submersible      Other \_\_\_\_\_      Dedicated Tubing

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

*No purge grab sample*

_____ (Gals.) X _____	=	_____ Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or $\mu$ S)	Turbidity (NTUs)	Gals. Removed	Observations
1218	64.7	6.89	1097	103	—	clear

Did well dewater?    Yes     No      Gallons actually evacuated: \_\_\_\_\_

Sampling Date: 7/3/07    Sampling Time: 1220    Depth to Water: \_\_\_\_\_

Sample I.D.: VW/AS-1      Laboratory: STL    Other *Cal Science*

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:	mg/L	Post-purge:	mg/L
------------------	------------	------	-------------	------

O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV
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## WELL GAUGING DATA

Project # 070621-TV1

Date 6/21/07

Client Shell

Site 1230 14th 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
MW-6	0750	4					12.22	19.72	TOC	
VW/MW-4	0755	2					11.32	18.34	↓	
VW/MW-2	0803	2				11.78	22.00			
MW-7	0807	4				12.67	19.79			
MW-1	0820	2				12.07	21.25			
MW-5	0826	4				11.96	19.68			
VW/MW AS-1	0832	2				11.92	14.45			











## SHELL WELL MONITORING DATA SHEET

BTS #: 070621-TV1	Site: 1230 14th St. Oakland CA
Sampler: TV	Date: 6/21/07
Well I.D.: VW/MW-2	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth (TD): 22.00	Depth to Water (DTW): 11.78
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVO</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.83	

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

1.6	(Gals.) X	3	=	<del>2.8</del> 4.8	TV Gals.
1 Case Volume		Specified Volumes		Calculated Volume	

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

Time	Temp (°F)	pH	Cond. (mS or $\mu$ S)	Turbidity (NTUs)	Gals. Removed	Observations
0929	67.4	6.93	823.9	>1000	1.6	grey/cloudy
0933	66.0	6.80	853.5	>1000	3.2	" "
0935	65.9	6.79	865.4	>1000	4.8	" "

Did well dewater? Yes  No  Gallons actually evacuated: 4.8

Sampling Date: 6/21/07      Sampling Time: 0939      Depth to Water: 12.32

Sample I.D.: VW/MW-2      Laboratory: STL      Other: Cal Science

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

## SHELL WELL MONITORING DATA SHEET

BTS #: 070621-TV1	Site: 1230 14th St, Oakland CA
Sampler: TV	Date: 6/21/07
Well I.D.: VW/MW-4	Well Diameter: ② 3 4 6 8 _____
Total Well Depth (TD): 18.34	Depth to Water (DTW): 11.32
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]: 12.72	

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: \_\_\_\_\_

1.1	(Gals.) X	3	=	3.3	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	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
0911	65.2	6.84	941.3	>1000	1.1	cloudy/grey
0914	65.5	6.78	985.3	>1000	2.2	" "
0917	65.8	6.75	994.0	>1000	3.3	" "

Did well dewater? Yes  No  Gallons actually evacuated: 3.3

Sampling Date: 6/21/07 Sampling Time: 1220 Depth to Water: 12.02

Sample I.D.: VW/MW-4 Laboratory: STL Other Cal Science

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

## SHELL WELL MONITORING DATA SHEET

BTS #: 070621-TV1	Site: 1230 14th St Oakland CA
Sampler: 7V	Date: 6/21/07
Well I.D.: VW/AS-1	Well Diameter: (2) 3 4 6 8
Total Well Depth (TD): 14.45	Depth to Water (DTW): 11.92
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]:	

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

*Grab Sample w/ disp. bailer*

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

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

Time	Temp (°F)	pH	Cond. (mS or $\mu$ S)	Turbidity (NTUs)	Gals. Removed	Observations
<del>1225</del> 1225	67.5	6.84	1063	721	<del>_____</del>	grey / cloudy

Did well dewater?    Yes    No    Gallons actually evacuated: \_\_\_\_\_

Sampling Date: 6/21/07    Sampling Time: ~~1225~~ <sup>1230</sup> ~~TV~~    Depth to Water: \_\_\_\_\_

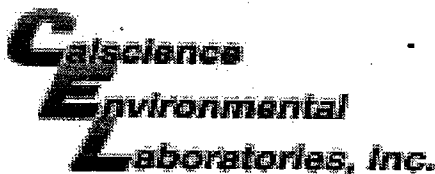
Sample I.D.: VW/AS-1    Laboratory: STL    Other: Cal Science

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



WORK ORDER #: 07 - 08 - 1366

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: BTS

DATE: 8/18/07

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.
C Temperature blank.

LABORATORY (Other than Calscience Courier):

- C Temperature blank.
4.5 C IR thermometer.
Ambient temperature.

Initial: (RM)

CUSTODY SEAL INTACT:

Sample(s): Cooler: No (Not Intact): Not Present: (check mark)

Initial: (RM)

SAMPLE CONDITION:

Table with 4 columns: Item, 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: (RM)

COMMENTS:

Sample # "10" (VM/AS-1) received as (VW/AS-5).
8-20-07 ES