

RD 433



September 19, 2005

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

**Subject:** Former Shell Service Station  
1230 14<sup>th</sup> Street  
Oakland, California  
SAP Code 129403

Alameda County  
SEP 21 2005  
Environmental Health

Dear Mr. Chan:

Attached for your review and comment is a copy of the *Groundwater Monitoring Report – Third Quarter 2005* for the above referenced site. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

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

Sincerely,

Shell Oil Products US

Denis L. Brown  
Project Manager

September 19, 2005

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

Re: **Groundwater Monitoring Report - Third Quarter 2005**  
Former Shell Service Station  
1230 14th Street  
Oakland, California  
SAP Code 129403  
Incident No. 97088250

Alameda County  
SEP 21 2005  
Environmental Health



Dear Mr. Chan:

Cambria Environmental Technology, Inc. (Cambria) 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.

### THIRD QUARTER 2005 ACTIVITIES

**Groundwater Monitoring:** Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged and sampled all site wells, measured dissolved oxygen (DO) concentrations, calculated groundwater elevations, and compiled the collected data. Cambria prepared a vicinity map which includes previously submitted well survey information (Figure 1) and a groundwater elevation contour map (Figure 2). Blaine's report, with supporting field notes and laboratory reports, is included as Appendix A.

**Remedial Action Report and Closure Request:** Cambria submitted a *Soil Sampling, Post-Remediation Site Conceptual Model, and Risk Assessment Report* on April 4, 2005. In electronic correspondence dated June 15, 2005, Alameda County requested continued monitoring due to fluctuating site data. Only five sample events have occurred since active remedial efforts were discontinued at this site. Given the seasonal variations, there is insufficient information to determine post-remediation trends the site wells. Some post-remediation rebound of contaminants occurred in and near the source areas, followed by what appears to be declining trends.

Cambria  
Environmental  
Technology, Inc.

270 Perkins Street  
Sonoma, CA 95476  
Tel (707) 935-4850  
Fax (707) 935-6649

## ANTICIPATED FOURTH QUARTER 2005 ACTIVITIES

**Groundwater Monitoring:** Blaine will gauge and sample the site wells and tabulate the data. Cambria will prepare a groundwater monitoring report.

**Trend Analysis:** Since Alameda County has requested additional monitoring, Cambria suggests that concentration versus time and concentration versus distance graphs be prepared following eight consecutive post-remediation monitoring events (second quarter 2006).



## HISTORICAL REMEDIATION SUMMARY

**Groundwater Extraction (GWE):** Cambria began using GWE in MW-5 on June 11, 2002 in an attempt to reduce hydrocarbon concentrations in groundwater in the suspected source area.

**Dual-Phase Vacuum Extraction (DVE):** Cambria substituted semi-monthly DVE for GWE beginning on September 19, 2002. DVE was discontinued on March 4, 2003. Cambria re-started monthly DVE on November 10, 2003, and continued monthly DVE events until April 28, 2004, when DVE was discontinued.

To date combined GWE and DVE have removed approximately 5.5 pounds of liquid-phase hydrocarbons, and DVE has removed approximately 5.6 pounds of vapor-phase hydrocarbons from the subsurface.

**Corrective Action and Verification Sampling:** As proposed in the August 26, 2002 *Subsurface Investigation Report and Corrective Action Plan* and subsequent addendums, Cambria directed two phases of hydrogen peroxide injection at the site. Fast-Tek Engineering Support Services (Fast-Tek) of Point Richmond, California conducted in-situ field testing of hydrogen peroxide injection from March 17 through 20, 2003. Rejuvenate Groundbreaking Solutions, Inc. of San Rafael, California conducted a second phase of peroxide injection from September 22 through 25, 2003. Cambria directed the advancement of four soil borings (S-18 through S-21) and collected confirmation soil and grab groundwater samples on November 7, 2003. Verification monitoring of groundwater conditions continues.

# C A M B R I A

## CLOSING

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

Sincerely,

**Cambria Environmental Technology, Inc**



Ana Friel  
Senior Project Geologist  
PG 6452



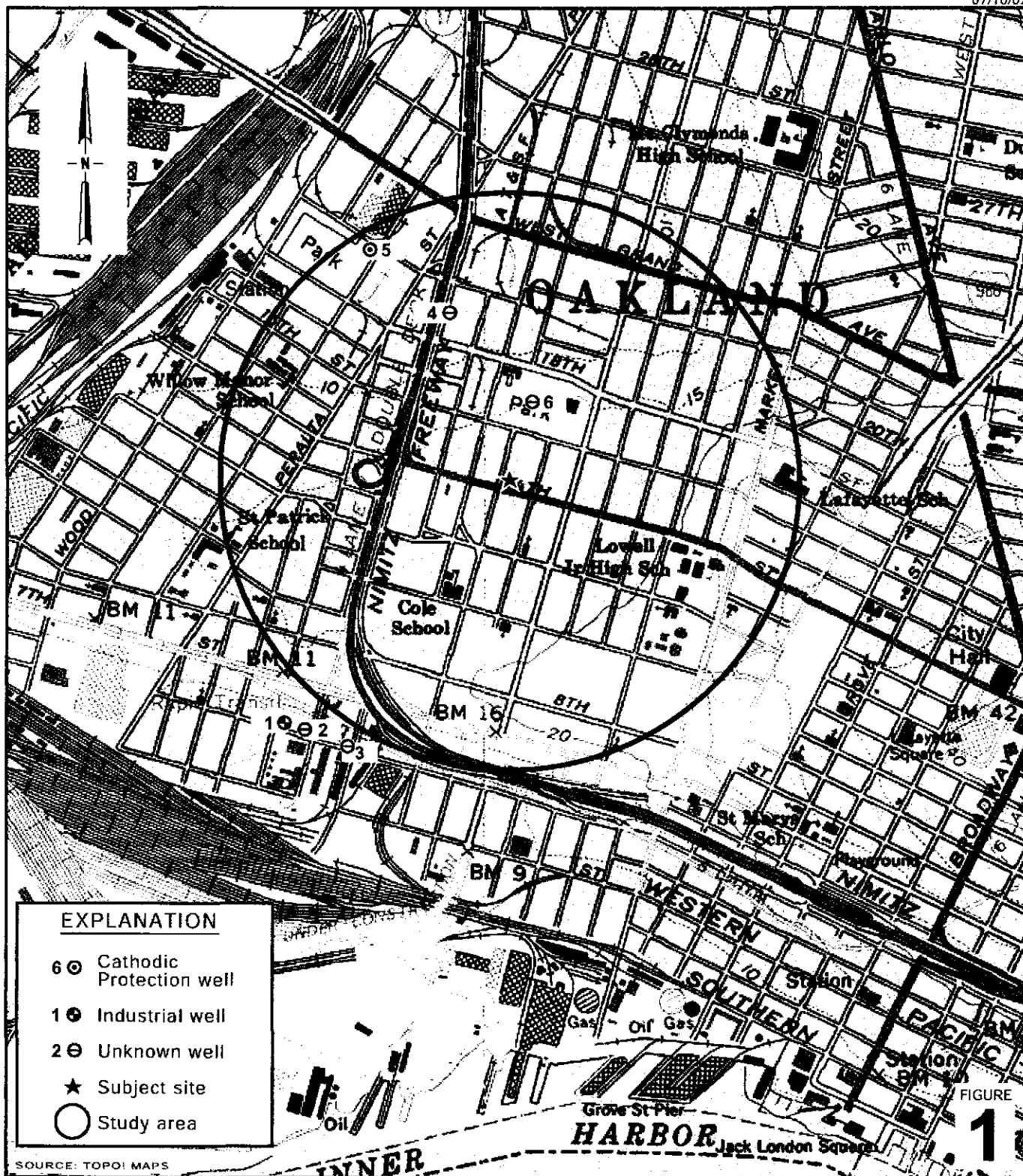
### Attachments:

Figure 1. Vicinity/Area Well Survey Map

Figure 2. Groundwater Contour/Chemical Concentration Map

Appendix A. Blaine Tech Services, Inc. – Groundwater Monitoring Report

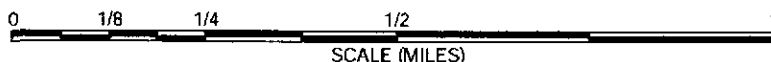
cc: Mr. Denis Brown, Shell  
Mr. Tom Saberi, 1045 Airport Boulevard, Suite 12, South San Francisco, CA 94080  
Mr. Matthew Dudley, Sedgwick, Detert, Moran, & Arnold, 1 Embarcadero Center,  
16th Floor, San Francisco, CA 94111-3628  
Ms. Ellen Wyrick-Parkinson, 1420 Magnolia Street, Oakland, CA 94607



**EXPLANATION**

- 6 ⊙ Cathodic Protection well
- 1 ⊙ Industrial well
- 2 ⊙ Unknown well
- ★ Subject site
- Study area

02331 SOURCE: TOPOI MAPS



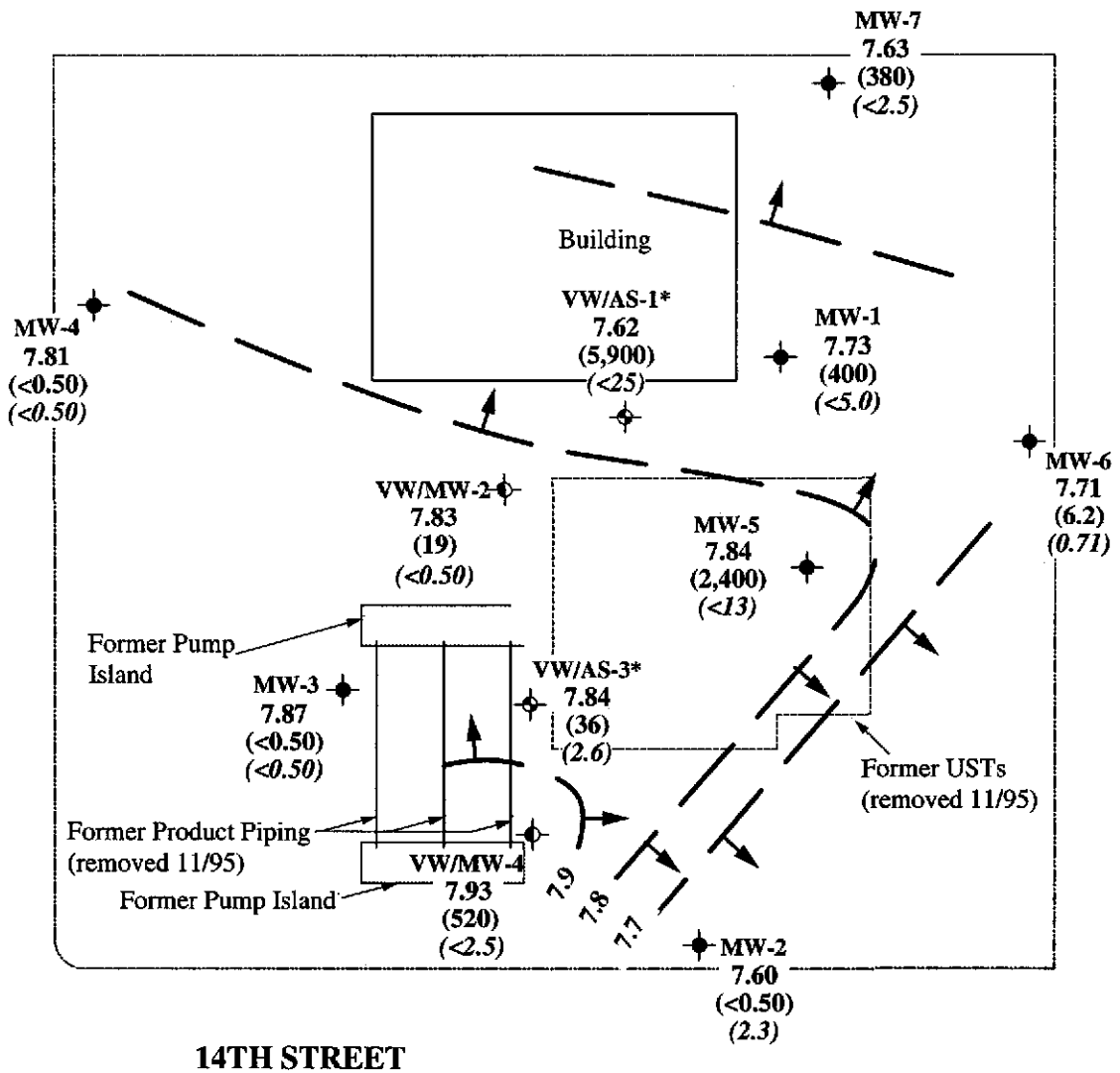
**Former Shell Service Station**  
 1230 14th Street  
 Oakland, California



C A M B R I A

**Vicinity/Area Well Survey Map**  
 (1/2-Mile Radius)

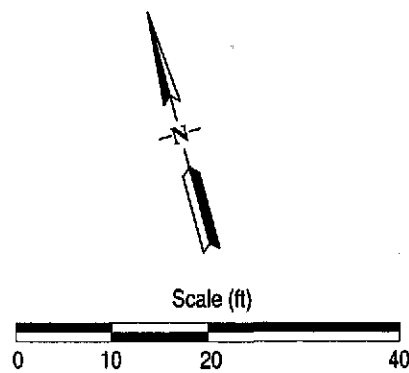
UNION STREET



14TH 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). Arrows indicate approximate groundwater flow direction.
  - 7.73 Groundwater elevation in ft msl
  - (400) Benzene concentration in parts per billion (ppb)
  - (<5.0) MTBE concentration in ppb
  - <x Not detected at reporting limit x
  - \* Gauged on July 13, 2005 and sampled on July 22, 2005
- Approximate hydraulic gradient = 0.003 to 0.016



**2**  
FIGURE

0293

**Former Shell Service Station**

1230 14th Street  
Oakland, California



CAMBRIA

**Groundwater Contour/  
Chemical Concentration Map**

July 13 (and 22), 2005

**Appendix A**  
**Blaine Tech Services, Inc.**  
**Groundwater Monitoring Report**

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

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**GROUNDWATER SAMPLING SPECIALISTS**  
**SINCE 1985**

August 3, 2005

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

Third Quarter 2005 Groundwater Monitoring at  
Former Shell-branded Service Station  
1230 14th Street  
Oakland, CA

Monitoring performed on July 13 and 22, 2005

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**Groundwater Monitoring Report 050713-PM-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,

Leon Gearhart  
Project Coordinator

LG/ks

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

cc: Ana Friel  
Cambria Environmental Technology, Inc.  
270 Perkins St.  
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-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

**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	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
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	4.4/2.88
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

**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	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-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	0.90/0.6
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
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

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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	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	0.4/0.03
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-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

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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
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

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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-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-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
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-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



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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
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-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
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

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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-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

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

**WELL CONCENTRATIONS**  
**Former Shell Service Station**  
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**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)
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
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-4	03/25/1996	83,000	6,500	7,000	2,000	11,000	<250	NA	18.14	8.45	9.69	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/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	6,800	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
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

**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/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
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/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
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

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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
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

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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	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-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
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

**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)
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



**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)
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**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

**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.

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

**Blaine Tech Services, Inc.**

July 27, 2005

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Attn.: Leon Gearhart  
Project#: BTS#050713-PM1  
Project: 97088250  
Site: 1230 14th Street, Oakland

Dear Mr. Gearhart,

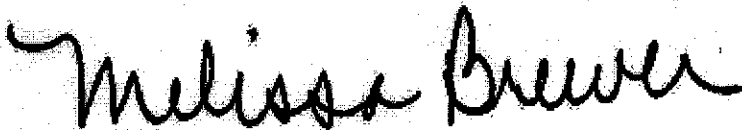
Attached is our report for your samples received on 07/14/2005 14:40  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after  
08/28/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,

You can also contact me via email. My email address is: [mbrewer@stl-inc.com](mailto:mbrewer@stl-inc.com)

Sincerely,



Melissa Brewer  
Project Manager

**Gas/BTEX/MTBE by 8260B (C6-C12)**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050713-PM1  
97088250

Received: 07/14/2005 14:40

Site: 1230 14th Street, Oakland

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-1	07/13/2005 09:50	Water	1
MW-2	07/13/2005 10:28	Water	2
MW-3	07/13/2005 11:00	Water	3
MW-4	07/13/2005 11:36	Water	4
MW-5	07/13/2005 14:50	Water	5
MW-6	07/13/2005 12:15	Water	6
MW-7	07/13/2005 12:45	Water	7
VW/MW-2	07/13/2005 13:15	Water	8
VW/MW-4	07/13/2005 13:45	Water	9

**Gas/BTEX/MTBE by 8260B (C6-C12)**

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97088250

Received: 07/14/2005 14:40

Site: 1230 14th Street, Oakland

Prep(s)	5030B	Tes(s)	8260B
Sample ID	MW-1	Lab ID	2005-07-0419-1
Sampled	07/19/2005 09:50	Extracted	07/19/2005 10:46
Matrix	Water	GC Batch#	2005/07/19_1B_68
Analysis Flag: 1-2 (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	930	500	ug/L	10.00	07/19/2005 10:46	Q1
Benzene	400	5.0	ug/L	10.00	07/19/2005 10:46	
Toluene	6.1	5.0	ug/L	10.00	07/19/2005 10:46	
Ethylbenzene	ND	5.0	ug/L	10.00	07/19/2005 10:46	
Total xylenes	10	10	ug/L	10.00	07/19/2005 10:46	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	10.00	07/19/2005 10:46	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	87.9	73-130	%	10.00	07/19/2005 10:46	
Toluene-d8	98.8	81-114	%	10.00	07/19/2005 10:46	

**Gas/BTEX/MTBE by 8260B (C6-C12)**

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97088250

Received: 07/14/2005 14:40

Site: 1230 14th Street, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-2	Lab ID:	2005-07-0419-2
Sampled:	07/18/2005 10:28	Extracted:	07/18/2005 23:54
Matrix:	Water	QC Batch#:	2005/07/18-2B.68
pH:	8		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	07/18/2005 23:54	
Benzene	ND	0.50	ug/L	1.00	07/18/2005 23:54	
Toluene	ND	0.50	ug/L	1.00	07/18/2005 23:54	
Ethylbenzene	ND	0.50	ug/L	1.00	07/18/2005 23:54	
Total xylenes	ND	1.0	ug/L	1.00	07/18/2005 23:54	
Methyl tert-butyl ether (MTBE)	2.3	0.50	ug/L	1.00	07/18/2005 23:54	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	100.1	73-130	%	1.00	07/18/2005 23:54	
Toluene-d8	100.5	81-114	%	1.00	07/18/2005 23:54	

**Gas/BTEX/MTBE by 8260B (C6-C12)**

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Project: BTS#050713-PM1  
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Received: 07/14/2005 14:40

Site: 1230 14th Street, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-3	Lab ID:	2005070419-3
Sampled:	07/13/2005 11:00	Extracted:	7/19/2005 00:20
Matrix:	Water	Lot Batch#:	20050713-2568
pH:	<2		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	07/19/2005 00:20	
Benzene	ND	0.50	ug/L	1.00	07/19/2005 00:20	
Toluene	ND	0.50	ug/L	1.00	07/19/2005 00:20	
Ethylbenzene	ND	0.50	ug/L	1.00	07/19/2005 00:20	
Total xylenes	ND	1.0	ug/L	1.00	07/19/2005 00:20	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	07/19/2005 00:20	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	101.9	73-130	%	1.00	07/19/2005 00:20	
Toluene-d8	105.1	81-114	%	1.00	07/19/2005 00:20	

**Gas/BTEX/MTBE by 8260B (C6-C12)**

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Project: BTS#050713-PM1  
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Received: 07/14/2005 14:40

Site: 1230 14th Street, Oakland

Prep(s):	5030B	Gas(s):	8260B
Sample ID:	MW-4	Lab ID:	2005/07/04/01-4
Sampled:	07/19/2005 11:36	Extracted:	07/19/2005 00:46
Matrix:	Water	QC Batch#:	2005/07/18-2B 68
pH:			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	07/19/2005 00:46	
Benzene	ND	0.50	ug/L	1.00	07/19/2005 00:46	
Toluene	ND	0.50	ug/L	1.00	07/19/2005 00:46	
Ethylbenzene	ND	0.50	ug/L	1.00	07/19/2005 00:46	
Total xylenes	ND	1.0	ug/L	1.00	07/19/2005 00:46	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	07/19/2005 00:46	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	100.3	73-130	%	1.00	07/19/2005 00:46	
Toluene-d8	98.8	81-114	%	1.00	07/19/2005 00:46	

**Gas/BTEX/MTBE by 8260B (C6-C12)**

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Project: BTS#050713-PM1  
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Received: 07/14/2005 14:40

Site: 1230 14th Street, Oakland

Preps:	5030B	Test(s):	8260B
Sample ID:	MW-5	Lab ID:	2005-07-0419-5
Sampled:	07/13/2005 14:50	Expanded:	7/19/2005 12:08
Matrix:	Water	QC Batch#:	2005-07-19-1B-65
Analysis Flag: L2, pH: <2 (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	9400	1300	ug/L	25.00	07/19/2005 12:08	
Benzene	2400	13	ug/L	25.00	07/19/2005 12:08	
Toluene	840	13	ug/L	25.00	07/19/2005 12:08	
Ethylbenzene	440	13	ug/L	25.00	07/19/2005 12:08	
Total xylenes	1100	25	ug/L	25.00	07/19/2005 12:08	
Methyl tert-butyl ether (MTBE)	ND	13	ug/L	25.00	07/19/2005 12:08	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	95.8	73-130	%	25.00	07/19/2005 12:08	
Toluene-d8	107.1	81-114	%	25.00	07/19/2005 12:08	



**Gas/BTEX/MTBE by 8260B (C6-C12)**

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Project: BTS#050713-PM1  
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Received: 07/14/2005 14:40

Site: 1230 14th Street, Oakland

Prep(s):	8030B	Test(s):	8260B
Sample ID:	MW-5	Lab ID:	2005-07-0419-6
Sampled:	07/19/2005 12:15	Entered:	7/19/2005 14:59
Matrix:	Water	QC Batch:	2005/07/19 1B 08

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	170	50	ug/L	1.00	07/19/2005 14:59	
Benzene	6.2	0.50	ug/L	1.00	07/19/2005 14:59	
Toluene	1.1	0.50	ug/L	1.00	07/19/2005 14:59	
Ethylbenzene	ND	0.50	ug/L	1.00	07/19/2005 14:59	
Total xylenes	ND	1.0	ug/L	1.00	07/19/2005 14:59	
Methyl tert-butyl ether (MTBE)	0.71	0.50	ug/L	1.00	07/19/2005 14:59	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	98.7	73-130	%	1.00	07/19/2005 14:59	
Toluene-d8	107.3	81-114	%	1.00	07/19/2005 14:59	

**Gas/BTEX/MTBE by 8260B (C6-C12)**

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97088250

Received: 07/14/2005 14:40

Site: 1230 14th Street, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-7	Lab ID:	2005-07-0419-73
Sampled:	07/19/2005 12:35	Extracted:	7/19/2005 12:34
Matrix:	Water	QC Batch#:	2005/07/19-1B06
Analysis Flag: 1.2 pH: <2 (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline (Shell)	1100	250	ug/L	5.00	07/19/2005 12:34	
Benzene	380	2.5	ug/L	5.00	07/19/2005 12:34	
Toluene	9.2	2.5	ug/L	5.00	07/19/2005 12:34	
Ethylbenzene	ND	2.5	ug/L	5.00	07/19/2005 12:34	
Total xylenes	37	5.0	ug/L	5.00	07/19/2005 12:34	
Methyl tert-butyl ether (MTBE)	ND	2.5	ug/L	5.00	07/19/2005 12:34	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	95.2	73-130	%	5.00	07/19/2005 12:34	
Toluene-d8	109.9	81-114	%	5.00	07/19/2005 12:34	

**Gas/BTEX/MTBE by 8260B (C6-C12)**

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Project: BTS#050713-PM1  
97088250

Received: 07/14/2005 14:40

Site: 1230 14th Street, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	VW/MW/2	Lab ID:	2005-07-0419-8
Sampled:	07/13/2005 13:18	Sampled:	7/19/2005 15:25
Matrix:	Water	QC Batch#:	2005/07/19 5 68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	350	50	ug/L	1.00	07/19/2005 15:25	
Benzene	19	0.50	ug/L	1.00	07/19/2005 15:25	
Toluene	9.3	0.50	ug/L	1.00	07/19/2005 15:25	
Ethylbenzene	9.8	0.50	ug/L	1.00	07/19/2005 15:25	
Total xylenes	14	1.0	ug/L	1.00	07/19/2005 15:25	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	07/19/2005 15:25	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	98.1	73-130	%	1.00	07/19/2005 15:25	
Toluene-d8	100.3	81-114	%	1.00	07/19/2005 15:25	

**Gas/BTEX/MTBE by 8260B (C6-C12)**

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Project: BTS#050713-PM1  
97088250

Received: 07/14/2005 14:40

Site: 1230 14th Street, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	WW/MW-4	Lab ID:	2005-07-0419-19
Sampled:	07/19/2005 13:45	Extracted:	7/19/2005 13:00
Matrix:	Water	QC Batch#:	2005/07/19-1B.65
Analysis Flag: L2: pH < 2 (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	1300	250	ug/L	5.00	07/19/2005 13:00	
Benzene	520	2.5	ug/L	5.00	07/19/2005 13:00	
Toluene	5.1	2.5	ug/L	5.00	07/19/2005 13:00	
Ethylbenzene	100	2.5	ug/L	5.00	07/19/2005 13:00	
Total xylenes	17	5.0	ug/L	5.00	07/19/2005 13:00	
Methyl tert-butyl ether (MTBE)	ND	2.5	ug/L	5.00	07/19/2005 13:00	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	97.1	73-130	%	5.00	07/19/2005 13:00	
Toluene-d8	103.8	81-114	%	5.00	07/19/2005 13:00	

**Gas/BTEX/MTBE by 8260B (C6-C12)**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050713-PM1  
97088250

Received: 07/14/2005 14:40

Site: 1230 14th Street, Oakland

Batch QC Report					
Prep(S): 8030B				Test(S): 8260B	
Method: Blank		Water		QC Batch #: 2005/07/18/2B/68	
MB: 2005/07/18/2B/68/005				Date Extracted: 07/18/2005 19:05	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	07/18/2005 19:05	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	07/18/2005 19:05	
Benzene	ND	0.5	ug/L	07/18/2005 19:05	
Toluene	ND	0.5	ug/L	07/18/2005 19:05	
Ethylbenzene	ND	0.5	ug/L	07/18/2005 19:05	
Total xylenes	ND	1.0	ug/L	07/18/2005 19:05	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	103.6	73-130	%	07/18/2005 19:05	
Toluene-d8	102.6	81-114	%	07/18/2005 19:05	

**Gas/BTEX/MTBE by 8260B (C6-C12)**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050713-PM1  
97088250

Received: 07/14/2005 14:40

Site: 1230 14th Street, Oakland

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Method: Blank	Water:		QC Batch#: 20050719 IB 65
MB: 2005/07/19 IB 65-003			Date Extracted: 07/19/2005 08:03

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	07/19/2005 08:03	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	07/19/2005 08:03	
Benzene	ND	0.5	ug/L	07/19/2005 08:03	
Toluene	ND	0.5	ug/L	07/19/2005 08:03	
Ethylbenzene	ND	0.5	ug/L	07/19/2005 08:03	
Total xylenes	ND	1.0	ug/L	07/19/2005 08:03	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	90.4	73-130	%	07/19/2005 08:03	
Toluene-d8	111.8	81-114	%	07/19/2005 08:03	

**Gas/BTEX/MTBE by 8260B (C6-C12)**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050713-PM1  
97088250

Received: 07/14/2005 14:40

Site: 1230 14th Street, Oakland

Batch/QC Report	
Prep(s): 5020B	Test(s): 8260B
Method: Blank	Water
MB: 2005/07/19-1B:68-039	QC Batch #: 2005/07/19-1B:68
	Date Extracted: 07/19/2005 08:39

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	07/19/2005 08:39	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	07/19/2005 08:39	
Benzene	ND	0.5	ug/L	07/19/2005 08:39	
Toluene	ND	0.5	ug/L	07/19/2005 08:39	
Ethylbenzene	ND	0.5	ug/L	07/19/2005 08:39	
Total xylenes	ND	1.0	ug/L	07/19/2005 08:39	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	99.6	73-130	%	07/19/2005 08:39	
Toluene-d8	95.6	81-114	%	07/19/2005 08:39	

**Gas/BTEX/MTBE by 8260B (C6-C12)**

Blaine Tech Services, Inc.  
Attn.: Leon Gearhart

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050713-PM1  
97088250

Received: 07/14/2005 14:40

Site: 1230 14th Street, Oakland

Batch QC Report									
Prep(s): 5030B									Test(s): 8260B
Laboratory Control Spike	Water			QC Batch #: 2005/07/18-2B-58					
LCS: 2005/07/18-2B-68-089	Extracted: 07/18/2005			Analyzed: 07/18/2005 18:39					
LCSD:									

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	23.2		25	92.8			65-165	20		
Benzene	21.0		25	84.0			69-129	20		
Toluene	20.9		25	83.6			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	416		500	83.2			73-130			
Toluene-d8	510		500	102.0			81-114			

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

07/22/2005 15:08



**Gas/BTEX/MTBE by 8260B (C6-C12)**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050713-PM1

97088250

Received: 07/14/2005 14:40

Site: 1230 14th Street, Oakland

Batch QC Report			
Prep(s): 8260B			Test(s): 8260B
Laboratory Control Spike	Water		QC Batch #: 2005/07/19-1B.65
LCS: 2005/07/19-1B.65-082	Extracted: 07/19/2005		Analyzed: 07/19/2005 08:32
LCSD:			

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	21.9		25	87.6			65-165	20		
Benzene	25.3		25	101.2			69-129	20		
Toluene	24.4		25	97.6			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	398		500	79.6			73-130			
Toluene-d8	547		500	109.4			81-114			

**Gas/BTEX/MTBE by 8260B (C6-C12)**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050713-PM1  
97088250

Received: 07/14/2005 14:40

Site: 1230 14th Street, Oakland

Batch QC Report			
Prep(s): 8260B	Water		Test(s): 8260B
Laboratory Control Spike	QC Batch # 2005/07/19-1B.68		
LCS: 2005/07/19-1B.68.005	Extracted: 07/19/2005	Analyzed: 07/19/2005 09:05	
LCSD:			

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	24.0		25	96.0			65-165	20		
Benzene	23.5		25	94.0			69-129	20		
Toluene	23.8		25	95.2			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	410		500	82.0			73-130			
Toluene-d8	487		500	97.4			81-114			

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

07/22/2005 15:08

**Gas/BTEX/MTBE by 8260B (C6-C12)**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050713-PM1  
97088250

Received: 07/14/2005 14:40

Site: 1230 14th Street, Oakland

Batch QC Report			
Prep(s): 6030B			Test(s): 8260B
Matrix Spike (MS / MSD):	Water		QC Batch # 2005/07/18/2B-68
MW-6 >> MS			Lab ID: 2005-07-0419-006
MS: 2005/07/18-2B-68-040	Extracted: 07/18/2005		Analyzed: 07/18/2005 20:34
			Dilution: 50.00
MSD: 2005/07/18-2B-68-041	Extracted: 07/18/2005		Analyzed: 07/18/2005 20:37
			Dilution: 50.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	1150	1240	ND	1250	92.0	99.2	7.5	69-129	20		
Toluene	1160	1270	ND	1250	92.8	101.6	9.1	70-130	20		
Methyl tert-butyl ether	1200	1260	ND	1250	96.0	100.8	4.9	65-165	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	401	402		500	80.2	80.4		73-130			
Toluene-d8	495	492		500	99.0	98.4		81-114			

**Gas/BTEX/MTBE by 8260B (C6-C12)**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050713-PM1  
97088250

Received: 07/14/2005 14:40

Site: 1230 14th Street, Oakland

Batch QC Report			
Prep(s): 8260B	QC Batch #:	2005/07/19-1B-65	
Matrix Spike (MS / MSD)	Water	QC Batch #:	2005/07/19-1B-65
MS/MSD		Lab ID:	2005-07-0401-004
MS: 2005/07/19-1B-65-033	Extracted: 07/19/2005	Analyzed:	07/19/2005 08:54
MSD: 2005/07/19-1B-65-059	Extracted: 07/19/2005	Dilution:	1.00
		Analyzed:	07/19/2005 08:59
		Dilution:	1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	27.6	30.0	ND	25	110.4	120.0	8.3	65-165	20		
Benzene	24.7	29.0	ND	25	98.8	116.0	16.0	69-129	20		
Toluene	27.2	27.7	ND	25	108.8	110.8	1.8	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	456	467		500	91.2	93.4		73-130			
Toluene-d8	574	545		500	114.8	109.0		81-114		S7	

**Gas/BTEX/MTBE by 8260B (C6-C12)**

Blaine Tech Services, Inc.  
Attn.: Leon Gearhart

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050713-PM1  
97088250

Received: 07/14/2005 14:40

Site: 1230 14th Street, Oakland

Batch QC Report			
Prep(s)	8260B	QC Batch #	2005/07/19-B-68
Matrix Spike (MS / MSD)	Water	Lab ID	2005-07-0419-001
MW-1	MS	Analyzed	07/19/2005 11:12
MS	2005/07/19-B-68-012	Dilution	10:00
MSD	2005/07/19-B-68-038	Analyzed	07/19/2005 11:38
		Dilution	10:00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	228	244	ND	250	91.2	97.6	6.8	65-165	20		
Benzene	645	647	396	250	99.6	100.4	0.8	69-129	20		
Toluene	237	251	6.13	250	92.3	97.9	5.9	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	417	406		500	83.4	81.2		73-130			
Toluene-d8	498	490		500	99.6	98.0		81-114			

**Gas/BTEX/MTBE by 8260B (C6-C12)**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050713-PM1

97088250

Received: 07/14/2005 14:40

Site: 1230 14th Street, Oakland

**Legend and Notes**

**Analysis Flag**

L2

Reporting limits were raised due to high level of analyte present in the sample.

**Result Flag**

Q1

Quantit. of unknown hydrocarbon(s) in sample based on gasoline.

S7

Surrogate recoveries higher than acceptance limits.

# SHELL Chain Of Custody Record

116007

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT HOUSTON

Denis Brown

## 2005-07-0419

INCIDENT NUMBER (SEE COVER)

9 7 0 8 8 2 5 0

SAP or CRM NUMBER (SECRET)

DATE: 7-13-05

PAGE: 1

<b>CLIENT COMPANY:</b> Blaine Tech Services ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112 PROJECT CONTACT (In copy of PDF Report to): Leon Gearhart TELEPHONE: 408-573-0555 FAX: 408-573-7771 EMAIL: lgearhart@blainetech.com	<b>LAB CODE:</b> BTSS	<b>SITE ADDRESS (Street and City):</b> 1230 14th Street, Oakland <b>EDF DELIVERABLE TO (Client/Service Party or Designer):</b> Ana Fries ANALYSE NAME(S) (PWT): PAUL MONROE	<b>GLOBAL ID NO.:</b> T0600101691	<b>PHONE NO.:</b> (707) 268-3812	<b>E-MAIL:</b> afries@cambridge-env.com	<b>COMBUSTANT PROJECT NO.:</b> STS # 2073-01
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<b>TURNAROUND TIME (BUSINESS DAYS):</b> <input checked="" type="checkbox"/> 10 DAYS <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS  <input type="checkbox"/> LA PROCB REPORT FORMAT <input type="checkbox"/> USE AGENCY  GCAMS MTBE CONFIRMATION: HIGHEST _____ HIGHEST PER BORING _____ ALL _____  SPECIAL INSTRUCTIONS OR NOTES: _____ CHECK BOX IF EOD IS NOT NEEDED <input type="checkbox"/>	<b>REQUESTED ANALYSIS</b>
--	---------------------------

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (0021B - 5ppb RL)	MTBE (0260B - 0.5ppb RL)	Oxygenates (5) by (0280B)	Ethanol (0290B)	Methanol	1,2-PCA (0280B)	EGB (0280B)	TPH - Diesel, Extractable (001.6m)	TEMPERATURE ON RECEIPT (C)	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes  5.6
		DATE	TIME														
✓	MW-1	7/13/05	0950	W	3	X	X	X									
✓	MW-2		1028		3	X	Y	X									
✓	MW-3		1108		3	X	Y	X									
✓	MW-4		1136		3	X	Y	Y									
✓	MW-5		1450		3	X	Y	Y									
✓	MW-U		1215		3	X	Y	Y									
✓	MW-7		1245		3	X	Y	Y									
✓	vw/MW-2		1315		3	X	Y	Y									
✓	vw/MW-4		1745		3	X	Y	Y									

Released by (Signature): <i>Paul Monro</i>	Received by (Signature): <i>Paul Monro</i> Sample Custodian	Date: 7/13/05	Time: 1645
Released by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 7/14/05	Time: 1440
Released by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 7/14/05	Time: 1743

Color File (Yellow) White with final report. Green to File, Yellow and Pink to Client.

Data Changes: 07/09/05-SP102

**Blaine Tech Services, Inc.**

August 03, 2005

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Attn.: Leon Gearhart  
Project#: BTS#050722-MD1  
Project: 97088250  
Site: 1230 14th Street, Oakland

Dear Mr. Gearhart,

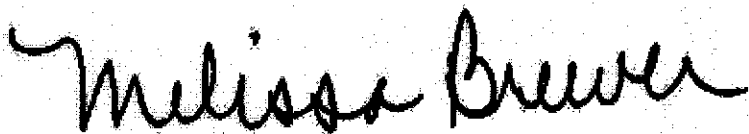
Attached is our report for your samples received on 07/22/2005 16:01  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after  
09/05/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,

You can also contact me via email. My email address is: [mbrewer@stl-inc.com](mailto:mbrewer@stl-inc.com)

Sincerely,



Melissa Brewer  
Project Manager



**Gas/BTEX/MTBE by 8260B (C6-C12)**

Blaine Tech Services, Inc.  
Attn.: Leon Gearhart

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050722-MD1  
97088250

Received: 07/22/2005 16:01

Site: 1230 14th Street, Oakland

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
VW/AS-1	07/22/2005 08:10	Water	1
VW/AS-3	07/22/2005 07:45	Water	2

**Gas/BTEX/MTBE by 8260B (C6-C12)**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050722-MD1  
97088250

Received: 07/22/2005 16:01

Site: 1230 14th Street, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	VWIAS-1	Lab#D:	2005-07-0671
Sampled:	07/22/2005 08:10	Extracted:	8/1/2005 17:39
Matrix:	Water	GC Batch#:	2005/08/01-1C-63
Analysis Flag: L2, pH < 2 (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	8200	2500	ug/L	50.00	08/01/2005 17:39	
Benzene	5900	25	ug/L	50.00	08/01/2005 17:39	
Toluene	86	25	ug/L	50.00	08/01/2005 17:39	
Ethylbenzene	340	25	ug/L	50.00	08/01/2005 17:39	
Total xylenes	320	50	ug/L	50.00	08/01/2005 17:39	
Methyl tert-butyl ether (MTBE)	ND	25	ug/L	50.00	08/01/2005 17:39	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	118.9	73-130	%	50.00	08/01/2005 17:39	
Toluene-d8	87.1	81-114	%	50.00	08/01/2005 17:39	

**Gas/BTEX/MTBE by 8260B (C6-C12)**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050722-MD1  
97088250

Received: 07/22/2005 16:01

Site: 1230 14th Street, Oakland

Prep(s):	9030B	Test(s):	8260B
Sample ID:	VW/AS-3	Lab ID:	2005-07-0671-2
Sampled:	07/22/2005 07:45	Extracted:	8/1/2005 18:04
Matrix:	Water	GC Batch#:	2005/08/01-1C-04
pH:	~2		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	160	50	ug/L	1.00	08/01/2005 18:04	
Benzene	36	0.50	ug/L	1.00	08/01/2005 18:04	
Toluene	0.65	0.50	ug/L	1.00	08/01/2005 18:04	
Ethylbenzene	ND	0.50	ug/L	1.00	08/01/2005 18:04	
Total xylenes	2.5	1.0	ug/L	1.00	08/01/2005 18:04	
Methyl tert-butyl ether (MTBE)	2.6	0.50	ug/L	1.00	08/01/2005 18:04	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	112.9	73-130	%	1.00	08/01/2005 18:04	
Toluene-d8	91.3	81-114	%	1.00	08/01/2005 18:04	

**Gas/BTEX/MTBE by 8260B (C6-C12)**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050722-MD1  
97088250

Received: 07/22/2005 16:01

Site: 1230 14th Street, Oakland

Batch QC Report					
Prep(s): 50:05				Project: 8260B	
Method: BLANK		Water		QC Batch # 2005/08/01-C12-63	
MB: 2005/08/01 10:59:05				Date Extracted: 08/01/2005 10:59	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	08/01/2005 13:59	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/01/2005 13:59	
Benzene	ND	0.5	ug/L	08/01/2005 13:59	
Toluene	ND	0.5	ug/L	08/01/2005 13:59	
Ethylbenzene	ND	0.5	ug/L	08/01/2005 13:59	
Total xylenes	ND	1.0	ug/L	08/01/2005 13:59	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	111.2	73-130	%	08/01/2005 13:59	
Toluene-d8	97.6	81-114	%	08/01/2005 13:59	

**Gas/BTEX/MTBE by 8260B (C6-C12)**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050722-MD1  
97088250

Received: 07/22/2005 16:01

Site: 1230 14th Street, Oakland

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Laboratory Control Spike	Water		QC Batch #: 2005/08/01-1C-64
LCS: 2005/08/01-1C-64-033	Extracted: 08/01/2005		Analyzed: 08/01/2005 13:33
LCSD: 2005/08/01-1C-64-006	Extracted: 08/01/2005		Analyzed: 08/01/2005 15:06

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	28.9	29.2	25	115.6	116.8	1.0	65-165	20		
Benzene	27.3	22.4	25	109.2	89.6	19.7	69-129	20		
Toluene	28.7	25.3	25	114.8	101.2	12.6	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	577	549	500	115.4	109.8		73-130			
Toluene-d8	448	495	500	89.6	99.0		81-114			

**Gas/BTEX/MTBE by 8260B (C6-C12)**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050722-MD1  
97088250

Received: 07/22/2005 16:01

Site: 1230 14th Street, Oakland

Batch QC Report			
Project:	8260B	Test(s):	8260B
Matrix Spike (MS / MSD)	Water	QC Batch #	2005/08/01-1C-64
MS/MSD		Lab ID:	2005-07-0659-002
MS:	2005/08/01-1C-64-031	Extracted:	08/01/2005
		Analyzed:	08/01/2005 15:31
		Dilution:	1.00
MSD:	2005/08/01-1C-64-057	Extracted:	08/01/2005
		Analyzed:	08/01/2005 16:57
		Dilution:	1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	27.6	25.4	0.53	25	108.3	99.5	8.5	65-165	20		
Benzene	23.3	24.0	ND	25	93.2	96.0	3.0	69-129	20		
Toluene	24.5	24.2	ND	25	98.0	96.8	1.2	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	576	528		500	115.2	105.6		73-130			
Toluene-d8	495	457		500	99.0	91.4		81-114			

**Gas/BTEX/MTBE by 8260B (C6-C12)**

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97088250

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Site: 1230 14th Street, Oakland

Legend and Notes

**Analysis Flag**

L2

Reporting limits were raised due to high level of analyte present in the sample.

LAB: SIL

# SHELL Chain Of Custody Record

116280

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT HOUSTON

Denis Brown

2005-07-0671

INCIDENT NUMBER (SEE ONLY)

9 7 0 8 8 2 5 0

SAP or CRMT NUMBER (T/S/CRMT)

DATE: 7/22/05

PAGE: 1 of 1

SAMPLING COMPANY <b>Blaine Tech Services</b>		LAB CODE: <b>BTSS</b>	SITE ADDRESS (Street and City): <b>1230 14th Street, Oakland</b>		BLUML ID NO.: <b>T0600101691</b>
ADDRESS: <b>1680 Rogers Avenue, San Jose, CA 95112</b>		EDP DELIVERABLE TO (Person, E-mail, or Website):		PHONE NO.: <b>(707) 268-3812</b>	EMAIL: <b>afrie@cambridge-env.com</b>
PROJECT CONTACT (Name, Title, or PDF Request): <b>Leon Gearhart</b>		CONSULTANT PROJECT NO.: <b>CS0722-101</b>		BTS #	
TELEPHONE: <b>408-573-0555</b>	FAX: <b>408-573-7771</b>	EMAIL: <b>lgearhart@blainetech.com</b>		LAB USE ONLY	

TURNAROUND TIME (BUSINESS DAYS):  
 10 DAYS    5 DAYS    72 HOURS    96 HOURS    24 HOURS    LESS THAN 24 HOURS

REQUESTED ANALYSIS

LA - RWQCI REPORT FORMAT    UST AGENCY

GC/MS WTR CONFIRMATION: HIGHEST \_\_\_\_\_ HIGHEST per BORING \_\_\_\_\_ ALL \_\_\_\_\_

SPECIAL INSTRUCTIONS OR NOTES:      CHECK BOX IF EDD IS NOT NEEDED

FIELD NOTES:  
 Container Preservative or PID Readings or Laboratory Notes

3<sup>oc</sup>

TEMPERATURE ON RECEIPT °C

LAB USE ONLY	Field Sample Identification		SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MIBK (EPA19 - 5 ppb PL)	MIBK (EPA19 - 5.5 ppb PL)	Oxygenated (S) by (EPA08)	Ethanol (EPA08)	Methanol	1,2-DCA (EPA08)	ED9 (EPA08)	TPH - Dissol, Extractable (EPA16)
	DATE	TIME	DATE	TIME												
	VW/AS-1	7/22/05	10:30	4	4	3	X	X	X							
	VW/AS-3	7/22/05	07:15	4	4	3	X	X	X							

Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i> <b>SAMPLE CUSTODIAN</b>	Date: 7/22/05	Time: 1557
Relinquished by: (Signature) <i>[Signature]</i> <b>SAMPLE CUSTODIAN</b>	Received by: (Signature) <i>[Signature]</i>	Date: 7/22/05	Time: 1601
Relinquished by: (Signature) <i>[Signature]</i> 7/22/05 1832	Received by: (Signature) <i>[Signature]</i>	Date: 7/22/05	Time: 1832

DISTRIBUTION: WMA with final report; Green to File, Yellow and Pink to Client.

10/18/03 Revisions

CRS Sample (7/14) 508-5702