



Shell Oil Products US

RD 145

June 15, 2004

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

**Subject:** Former Shell Service Station  
2703 Martin Luther King Jr. Way  
Oakland, California

Alameda County  
JUN 17 2004  
Environmental Health

Dear Mr. Hwang:

Attached for your review and comment is a copy of the *Groundwater Monitoring Report – Second Quarter 2004* 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 (559) 645-9306 with any questions or concerns.

Sincerely,

Shell Oil Products US

*Karen Petryna*

Karen Petryna  
Sr. Environmental Engineer

June 15, 2004

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

Re: **Groundwater Monitoring Report - Second Quarter 2004**  
Former Shell Service Station  
2703 Martin Luther King Jr. Way  
Oakland, California  
SAP Code 129449  
Incident #97093397



Dear Mr. Hwang:

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.

## **SECOND QUARTER 2004 ACTIVITIES**

**Groundwater Monitoring:** Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged the site wells, sampled selected wells, measured dissolved oxygen (DO) concentrations in selected wells, and prepared a summary table of field gauging and laboratory analytical data. Cambria prepared a site vicinity/receptor survey map (Figure 1) and a groundwater contour/chemical concentration map (Figure 2). Blaine's report, presenting the laboratory report, is included as Appendix A.

**Oxygen Releasing Compound (ORC):** ORCs are currently installed in onsite wells MW-5 and V-2 to enhance intrinsic biodegradation at the site. ORC socks were replaced in wells MW-5 and V-2 on April 8, 2004, in accordance with the existing schedule. The DO measurements are included on the Blaine table in Appendix A.

## **ANTICIPATED THIRD QUARTER 2004 ACTIVITIES**

**Groundwater Monitoring:** Blaine will gauge and sample the site wells in accordance with the modified sampling schedule.

**Offsite Investigation Activities:** Cambria will submit the work plan to assess the lateral and vertical extent of soil and groundwater conditions to the north, west, and south of the site.

**Cambria  
Environmental  
Technology, Inc.**

270 Perkins Street  
P. O. Box 259  
Sonoma, CA 95476  
Tel (707) 935-4850  
Fax (707) 935-6649

# C A M B R I A

## CLOSING

If you have any questions regarding the contents of this document, please call Ana Friel at (707) 442-2700.

Sincerely,  
**Cambria Environmental Technology, Inc.**



Lisa Summers  
Staff Scientist

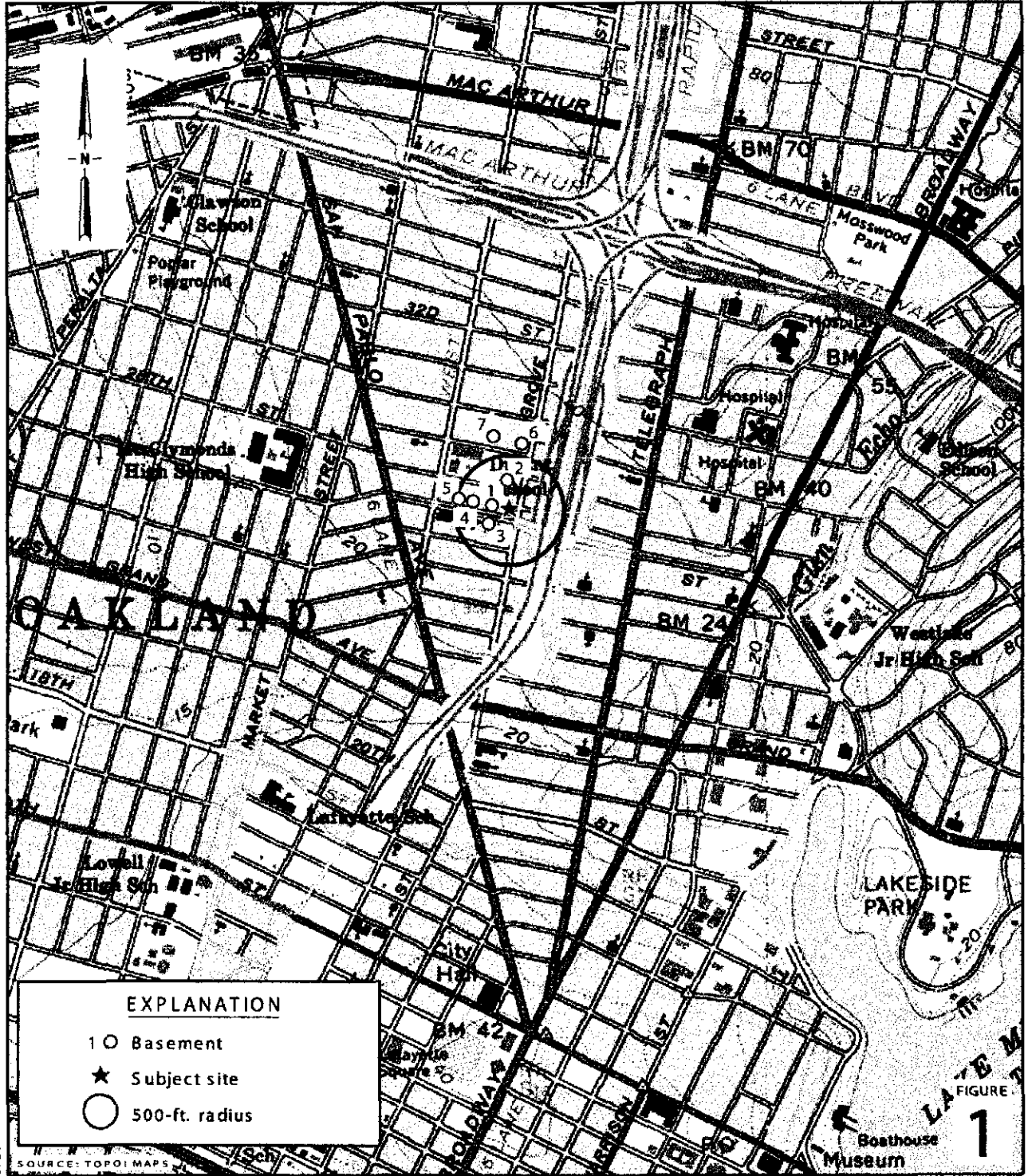
Ana Friel, RG  
Senior Project Geologist  
RG 6452



### Attachments:

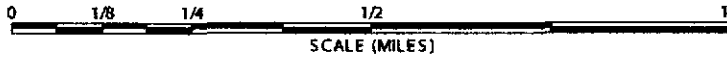
- Figure 1. Site Vicinity/Receptor Survey Map
- Figure 2. Groundwater Contour/Chemical Concentration Map
  
- Appendix A. Blaine Tech Services, Inc. - Groundwater Monitoring Report

cc: Karen Petryna, Shell  
Rodney & Janet Kwan



0781

SOURCE: TOPOI MAPS

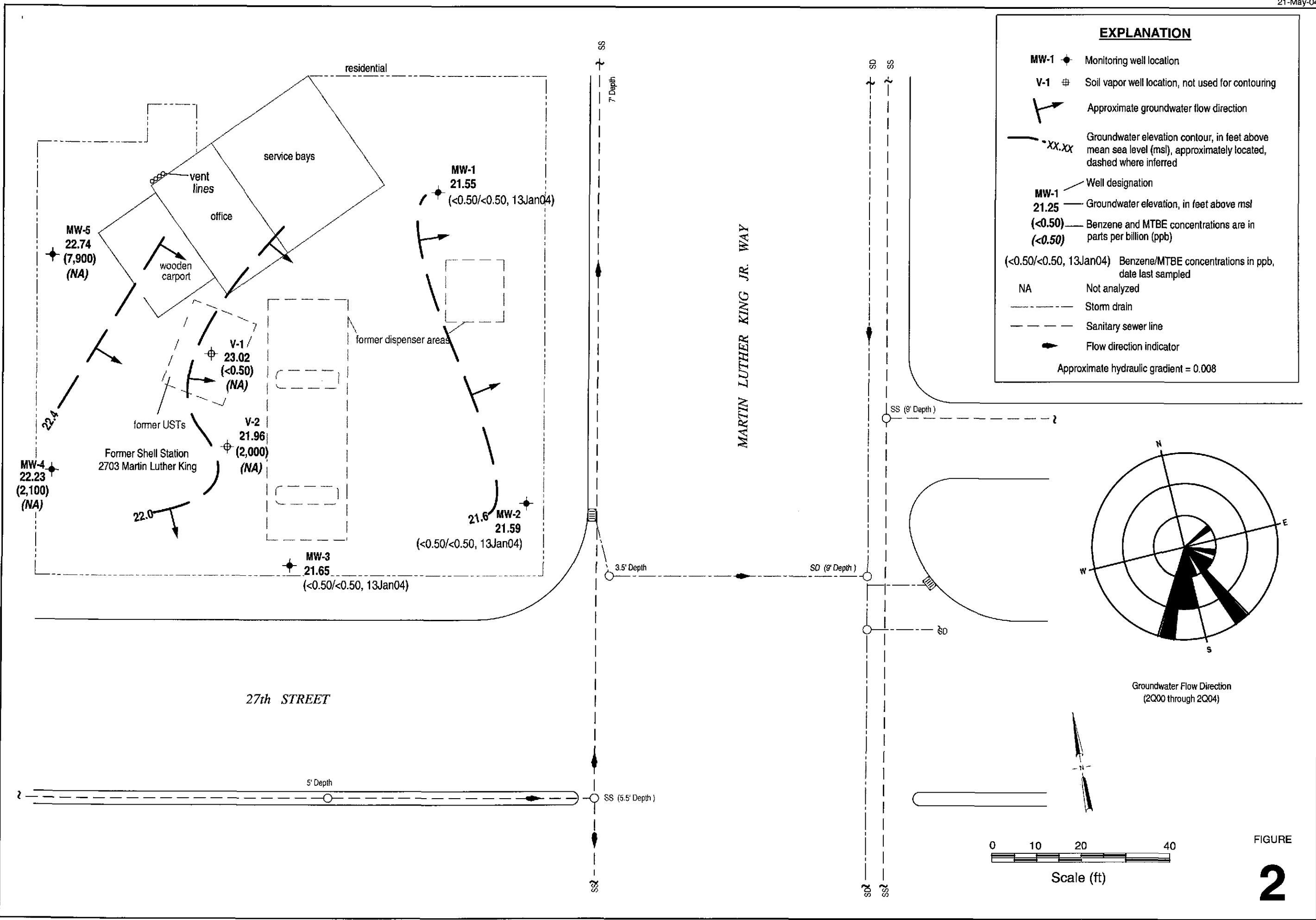


**Former Shell Service Station**  
 2703 Martin Luther King Jr. Way  
 Oakland, California



**Site Vicinity/Receptor  
 Survey Map**

FIGURE  
**1**



**Groundwater Contour/  
Chemical Concentration Map**

April 1, 2004



C A M B R I A

**Former Shell Service Station**

2703 Martin Luther King Jr. Way  
Oakland, California

**APPENDIX A**

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

**BLAINE  
TECH SERVICES, INC.**



1680 ROGERS AVENUE  
SAN JOSE, CA 95112-1105  
(408) 573-7771 FAX  
(408) 573-0555 PHONE  
CONTRACTOR'S LICENSE #746684  
www.blainetech.com

May 13, 2004

Karen Petryna  
Shell Oil Products US  
P.O. Box 7869  
Burbank, CA 91510-7869

Second Quarter 2004 Groundwater Monitoring at  
Former Shell Service Station  
2703 Martin Luther King Jr. Way  
Oakland, CA

Monitoring performed on April 1, 2004

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**Groundwater Monitoring Report 040401-BA-2**

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

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

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

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

Please call if you have any questions.

Yours truly,

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.  
P.O. Box 259  
Sonoma, CA 95476-0259



**WELL CONCENTRATIONS**  
**Former Shell Service Station**  
**2703 Martin Luther King Way**  
**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 (B-11)	08/02/1996	NA	NA	NA	NA	NA	NA	NA	23.53	NA	NA	NA
MW-1 (B-11)	08/05/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.53	8.76	14.77	NA
MW-1 (B-11) (D)	08/05/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.53	NA	NA	NA
MW-1 (B-11)	10/17/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.53	9.88	13.65	NA
MW-1 (B-11)	01/08/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.53	6.82	16.71	NA
MW-1 (B-11)	04/07/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.53	7.89	15.64	NA
MW-1 (B-11)	07/02/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.53	8.71	14.82	NA
MW-1 (B-11)	10/24/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.53	9.26	14.27	NA
MW-1 (B-11)	01/09/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.53	7.94	15.59	NA
MW-1 (B-11)	04/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.53	7.21	16.32	NA
MW-1 (B-11)	07/14/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.53	7.78	15.75	NA
MW-1 (B-11)	10/01/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.53	8.39	15.14	NA
MW-1 (B-11)	01/18/1999	<50.0	<0.500	0.785	<0.500	<0.500	2.36	NA	23.53	8.28	15.25	NA
MW-1 (B-11)	04/29/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.53	8.41	15.12	NA
MW-1 (B-11)	08/23/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	23.53	8.17	15.36	NA
MW-1 (B-11)	10/06/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	23.53	9.37	14.16	NA
MW-1 (B-11)	01/27/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	23.53	7.52	16.01	NA
MW-1 (B-11)	04/18/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	23.53	7.66	15.87	NA
MW-1 (B-11)	07/19/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	23.53	7.81	15.72	NA
MW-1 (B-11)	10/24/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	23.53	8.33	15.20	NA
MW-1 (B-11)	01/04/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	23.53	8.33	15.20	NA
MW-1 (B-11)	05/03/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	23.53	7.83	15.70	NA
MW-1 (B-11)	07/09/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	23.53	8.60	14.93	NA
MW-1	10/18/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	23.53	9.01	14.52	0.2
MW-1	01/24/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	23.53	7.68	15.85	2.1
MW-1	04/04/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	23.53	7.38	16.15	1.1
MW-1	07/18/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	23.53	7.75	15.78	2.2
MW-1	10/21/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	29.53	8.10	21.43	1.6
MW-1	01/21/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	29.53	7.82	21.71	0.6

**WELL CONCENTRATIONS**  
**Former Shell Service Station**  
**2703 Martin Luther King Way**  
**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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MW-1	04/17/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	29.53	7.76	21.77	1.7
MW-1	07/22/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	29.53	7.87	21.66	1.5
MW-1	10/20/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	29.53	8.67	20.86	0.8
MW-1	01/13/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	29.53	8.28	21.25	NA
MW-1	01/22/2004	NA	NA	NA	NA	NA	NA	NA	29.53	8.50	21.03	1.1
MW-1	04/01/2004	NA	NA	NA	NA	NA	NA	NA	29.53	7.96	21.55	NA

MW-2 (B-12)*	07/17/1996	<50	<0.50	0.69	<0.50	<0.50	<2.5	NA	22.47	NA	NA	NA
MW-2 (B-12)*	08/05/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	22.47	8.35	14.12	NA
MW-2 (B-12)*	10/17/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	22.47	9.32	13.15	NA
MW-2 (B-12) (D)*	10/17/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	22.47	NA	NA	NA
MW-2 (B-12)*	01/08/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	22.47	6.80	15.67	NA
MW-2 (B-12) (D)*	01/08/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	22.47	NA	NA	NA
MW-2 (B-12)*	04/07/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	22.47	7.81	14.66	NA
MW-2 (B-12)*	07/02/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	22.47	8.27	14.20	NA
MW-2 (B-12)*	10/24/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	22.47	9.12	13.35	NA
MW-2 (B-12)*	01/09/1998	<50	<0.50	<0.50	<0.50	<0.50	6.3	NA	22.47	7.41	15.06	NA
MW-2 (B-12)*	04/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	22.47	6.59	15.88	NA
MW-2 (B-12)*	07/14/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	22.47	7.49	14.98	NA
MW-2 (B-12)*	10/01/1998	<50	<0.50	<0.50	<0.50	0.59	<2.5	NA	22.47	8.58	13.89	NA
MW-2 (B-12)*	01/18/1999	<50.0	<0.500	0.971	<0.500	<0.500	2.47	NA	22.47	8.68	13.79	NA
MW-2 (B-12)*	04/29/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	22.47	8.62	13.85	NA
MW-2 (B-12)*	08/23/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	22.47	7.43	15.04	NA
MW-2 (B-12)*	10/06/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	22.47	9.00	13.47	NA
MW-2 (B-12)*	01/27/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	22.47	8.15	14.32	NA
MW-2 (B-12)*	04/18/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	22.47	7.04	15.43	NA
MW-2 (B-12)*	07/19/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	22.47	7.13	15.34	NA
MW-2 (B-12)*	10/24/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	22.47	8.78	13.69	NA
MW-2 (B-12)*	01/04/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	22.47	8.33	14.14	NA

**WELL CONCENTRATIONS**  
**Former Shell Service Station**  
**2703 Martin Luther King Way**  
**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 (B-12)*	05/03/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	22.47	7.24	15.23	NA
MW-2 (B-12)*	07/09/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	22.47	8.55	13.92	NA
MW-2	10/18/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	22.47	9.42	13.05	NA
MW-2	01/24/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	22.47	7.23	15.24	NA
MW-2	04/04/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	22.47	6.90	15.57	NA
MW-2	07/18/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	22.47	7.97	14.50	NA
MW-2	10/21/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	28.47	8.62	19.85	NA
MW-2	01/21/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	28.47	7.08	21.39	NA
MW-2	04/17/2003	<50	<0.50	<0.50	0.98	2.5	NA	<5.0	28.47	6.94	21.53	NA
MW-2	07/22/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	28.47	8.10	20.37	NA
MW-2	10/20/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	28.47	9.09	19.38	NA
MW-2	01/13/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	28.47	7.28	21.19	NA
MW-2	01/22/2004	NA	NA	NA	NA	NA	NA	NA	28.47	8.99	19.48	2.8
MW-2	04/01/2004	NA	NA	NA	NA	NA	NA	NA	28.47	6.88	21.59	NA
MW-3	04/25/2001	NA	NA	NA	NA	NA	NA	NA	22.30	7.16	15.14	NA
MW-3	05/03/2001	<100	<0.50	<0.50	<0.50	<0.50	NA	<5.0	22.30	7.28	15.02	NA
MW-3	07/09/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	22.30	8.45	13.85	NA
MW-3	10/18/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	22.30	9.44	12.86	NA
MW-3	01/24/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	22.30	5.88	16.42	NA
MW-3	04/04/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	22.30	6.68	15.62	NA
MW-3	07/18/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	22.30	7.63	14.67	NA
MW-3	10/21/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	28.30	8.56	19.74	NA
MW-3	01/21/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	28.30	6.95	21.35	NA
MW-3	04/17/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	28.30	6.77	21.53	NA
MW-3	07/22/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	28.30	7.92	20.38	NA
MW-3	10/20/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	28.30	9.12	19.18	NA
MW-3	01/13/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	28.30	7.21	21.09	NA
MW-3	01/22/2004	NA	NA	NA	NA	NA	NA	NA	28.30	9.00	19.30	0.6

**WELL CONCENTRATIONS**  
**Former Shell Service Station**  
**2703 Martin Luther King Way**  
**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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MW-3	04/01/2004	NA	NA	NA	NA	NA	NA	NA	28.30	6.65	21.65	NA
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MW-4	04/25/2001	NA	NA	NA	NA	NA	NA	NA	22.51	7.05	15.46	NA
MW-4	05/03/2001	8,000	3,500	24	37	350	NA	<200	22.51	6.66	15.85	NA
MW-4	07/09/2001	16,000	4,100	32	890	790	NA	<200	22.51	8.28	14.23	NA
MW-4	10/18/2001	12,000	3,300	<20	430	220	NA	<200	22.51	9.40	13.11	NA
MW-4	01/24/2002	5,500	1,200	<5.0	280	240	NA	<50	22.51	5.73	16.78	NA
MW-4	04/04/2002	2,000	350	1.4	13	7.8	NA	<10	22.51	5.62	16.89	NA
MW-4	07/18/2002	3,400	440	1.3	200	98	NA	<5.0	22.51	6.94	15.57	NA
MW-4	10/21/2002	16,000	3,100	11	1,200	970	NA	<5.0	28.51	8.04	20.47	NA
MW-4	01/21/2003	3,600	720	3.9	110	58	NA	<25	28.51	6.10	22.41	NA
MW-4	04/17/2003	3,700	810	<5.0	140	17	NA	<50	28.51	5.97	22.54	NA
MW-4	07/22/2003	3,700	450	<2.5	110	7.9	NA	<2.5	28.51	6.37	22.14	NA
MW-4	10/20/2003	11,000 c	2,500	<20	550	95	NA	<20	28.51	8.99	19.52	NA
MW-4	01/13/2004	6,600	1,500	<10	41	37	NA	<10	28.51	6.67	21.84	NA
MW-4	01/22/2004	NA	NA	NA	NA	NA	NA	NA	28.51	8.80	19.71	0.3
MW-4	04/01/2004	9,500	2,100	12	170	30	NA	NA	28.51	6.28	22.23	0.1

MW-5	04/25/2001	NA	NA	NA	NA	NA	NA	NA	23.54	7.36	16.18	NA
MW-5	05/03/2001	160,000	12,000	20,000	3,600	23,000	NA	<500	23.54	7.77	15.77	NA
MW-5	07/09/2001	130,000	11,000	19,000	4,500	22,000	NA	<500	23.54	9.32	14.22	NA
MW-5	10/18/2001	120,000	12,000	23,000	4,200	21,000	NA	<500	23.54	9.39	14.15	0.5
MW-5	01/24/2002	34,000	3,300	3,300	960	6,000	NA	<100	23.54	7.05	16.49	4.0
MW-5	04/04/2002	32,000	2,100	2,800	730	6,400	NA	<200	23.54	6.89	16.65	1.0
MW-5	07/18/2002	75,000	7,500	4,700	2,700	15,000	NA	<500	23.54	8.48	15.06	1.2
MW-5	10/21/2002	140,000	13,000	18,000	4,000	26,000	NA	<500	29.54	9.21	20.33	1.1
MW-5	01/21/2003	47,000	6,400	3,500	370	8,300	NA	<500	29.54	7.23	22.31	0.8
MW-5	04/17/2003	93,000	9,700	16,000	3,200	20,000	NA	<500	29.54	6.61	22.93	0.8
MW-5	07/22/2003	110,000	9,500	15,000	560	23,000	NA	<50	29.54	8.68	20.86	1.2

**WELL CONCENTRATIONS**  
**Former Shell Service Station**  
**2703 Martin Luther King Way**  
**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-5	10/20/2003	88,000	6,800	12,000	1,900	16,000	NA	<50	29.54	9.71	19.83	0.1
MW-5	01/13/2004	4,600	460	140	<10	930	NA	<10	29.54	7.30	22.24	NA
MW-5	01/22/2004	NA	NA	NA	NA	NA	NA	NA	29.54	9.51	20.03	0.3
MW-5	04/01/2004	70,000	7,900	11,000	2,100	17,000	NA	NA	29.54	6.80	22.74	0.1
B-10 *	07/17/1996	20000	400	<100	<100	870	<500	NA	NA	NA	NA	NA
B-13*	07/17/1996	290000	34000	21000	9900	47000	<2500	NA	NA	NA	NA	NA
V-1	08/02/1996	NA	NA	NA	NA	NA	NA	NA	23.26	NA	NA	NA
V-1	08/05/1996	NA	NA	NA	NA	NA	NA	NA	23.26	8.58	14.68	NA
V-1	10/17/1996	NA	NA	NA	NA	NA	NA	NA	23.26	10.02	13.24	NA
V-1	01/16/1997	9,500	1,200	250	280	880	<50	NA	23.26	5.55	17.71	NA
V-1	04/07/1997	2,200	42	<5.0	130	15	<25	NA	23.26	7.40	15.86	NA
V-1	07/02/1997	2,600	340	5.8	49	12	74	<4.0	23.26	8.94	14.32	NA
V-1	10/24/1997	57,000	5,200	2,300	3,600	16,000	1,900	<200	23.26	9.43	13.83	NA
V-1	01/09/1998	23,000	2,400	1,700	1,300	2,300	310	NA	23.26	6.81	16.45	NA
V-1 (D)	01/09/1998	24,000	2,500	1,800	1,400	2,400	450	NA	23.26	NA	NA	NA
V-1	04/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.26	4.58	18.68	NA
V-1 (D)	04/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.26	NA	NA	NA
V-1	07/14/1998	160	1.9	<0.50	4.2	<0.50	6.1	NA	23.26	7.51	15.75	NA
V-1	10/01/1998	440	18	<0.50	11	0.80	7.9	NA	23.26	8.49	14.77	NA
V-1	01/18/1999	697	55.7	0.839	28.2	<0.500	9.35	NA	23.26	8.59	14.67	NA
V-1	04/29/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.26	8.69	14.57	NA
V-1	08/23/1999	457	33.4	3.59	16.3	<0.500	13.9	NA	23.26	8.99	14.27	NA
V-1	10/06/1999	714	53.7	0.740	8.69	<0.500	9.83	NA	23.26	9.55	13.71	NA
V-1	01/27/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	23.26	7.19	16.07	NA
V-1	04/18/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	23.26	7.67	15.59	NA
V-1	07/19/2000	255	21.7	<0.500	10.2	<0.500	7.33	<1.00a	23.26	7.53	15.73	NA

**WELL CONCENTRATIONS**  
**Former Shell Service Station**  
**2703 Martin Luther King Way**  
**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)
V-1	10/24/2000	200	4.05	0.566	<0.500	<0.500	7.82	NA	23.26	7.38	15.88	NA
V-1	01/04/2001	128	1.77	<0.500	<0.500	<0.500	6.40	<10.0b	23.26	8.41	14.85	NA
V-1	05/03/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	23.26	7.20	16.06	NA
V-1	07/09/2001	110	4.4	<0.50	0.88	1.7	NA	<5.0	23.26	9.22	14.04	NA
V-1	10/18/2001	1,500	180	12	43	46	NA	<5.0	23.26	10.08	13.18	0.8
V-1	01/24/2002	210	7.1	15	4.6	32	NA	<5.0	23.26	6.44	16.82	3.5
V-1	04/04/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	23.26	6.18	17.08	1.0
V-1	07/18/2002	100	1.6	1.2	1.2	6.1	NA	<5.0	23.26	8.08	15.18	1.7
V-1	10/21/2002	210	1.4	<0.50	1.0	1.3	NA	<5.0	29.26	8.94	20.32	1.2
V-1	01/21/2003	61	5.2	<0.50	<0.50	<0.50	NA	<5.0	29.26	6.62	22.64	0.6
V-1	04/17/2003	<50	<0.50	<0.50	<0.50	1.2	NA	<5.0	29.26	6.00	23.26	1.3
V-1	07/22/2003	Well inaccessible		NA	NA	NA	NA	NA	29.26	NA	NA	NA
V-1	10/20/2003	540	11	1.6	6.0	8.9	NA	<0.50	29.26	9.53	19.73	0.1
V-1	01/13/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	29.26	6.62	22.64	NA
V-1	01/22/2004	NA	NA	NA	NA	NA	NA	NA	29.26	9.08	20.18	0.1
V-1	04/01/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	29.26	6.24	23.02	0.1
V-2	08/02/1996	NA	NA	NA	NA	NA	NA	NA	22.80	NA	NA	NA
V-2	08/05/1996	NA	NA	NA	NA	NA	NA	NA	22.80	7.94	14.86	NA
V-2	10/17/1996	NA	NA	NA	NA	NA	NA	NA	22.80	9.30	13.50	NA
V-2	01/08/1997	69,000	4,800	2,800	2,700	13,000	750	NA	22.80	5.82	16.98	NA
V-2	04/07/1997	90,000	4,400	1,900	3,300	14,000	<500	NA	22.80	7.10	15.70	NA
V-2 (D)	04/07/1997	77,000	4,400	2,000	3,200	14,000	<250	NA	22.80	NA	NA	NA
V-2	07/02/1997	82,000	5,500	2,700	3,500	16,000	530	<100	22.80	8.35	14.45	NA
V-2 (D)	07/02/1997	85,000	5,600	2,800	3,600	17,000	520	<100	22.80	NA	NA	NA
V-2	10/24/1997	7,300	1,100	97	230	180	91	<12	22.80	10.03	12.77	NA
V-2 (D)	10/24/1997	12,000	1,700	340	650	630	120	<20	22.80	NA	NA	NA
V-2	01/09/1998	40,000	4,100	1,500	2,500	9,000	280	NA	22.80	6.94	15.86	NA
V-2	04/02/1998	62,000	6,800	2,400	3,400	14,000	<250	NA	22.80	5.35	17.45	NA

**WELL CONCENTRATIONS**  
**Former Shell Service Station**  
**2703 Martin Luther King Way**  
**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)
V-2	07/14/1998	43,000	4,700	1,100	2,500	6,600	<250	NA	22.80	6.48	16.32	NA
V-2 (D)	07/14/1998	48,000	5,100	1,300	2,600	8,100	<250	NA	22.80	NA	NA	NA
V-2	10/01/1998	53,000	5,200	1,800	3,200	10,000	83	NA	22.80	8.41	14.39	NA
V-2 (D)	10/01/1998	55,000	5,300	1,900	3,300	11,000	65	NA	22.80	NA	NA	NA
V-2	01/18/1999	47,100	5,800	1,960	3,450	10,200	<100	NA	22.80	8.29	14.51	NA
V-2	04/29/1999	65,000	6,100	2,800	3,200	12,000	540	NA	22.80	8.19	14.61	NA
V-2	08/23/1999	59,600	6,240	2,190	3,900	14,700	390	NA	22.80	8.44	14.36	NA
V-2	10/06/1999	63,800	4,820	1,860	2,840	11,100	<1000	NA	22.80	8.96	13.84	NA
V-2	01/27/2000	59,600	10,200	2,840	3,450	12,100	<500	NA	22.80	7.57	15.23	NA
V-2	04/18/2000	45,000	6,050	2,700	3,340	12,200	<250	NA	22.80	8.14	14.66	NA
V-2	07/19/2000	31,800	4,440	1,270	2,390	6,820	<500	NA	22.80	8.21	14.59	NA
V-2	10/24/2000	40,100	4,810	1,730	2,960	8,650	734	<10.0	22.80	8.53	14.27	NA
V-2	01/04/2001	37,500	4,510	1,390	2,710	6,880	375	NA	22.80	8.03	14.77	NA
V-2	05/03/2001	51,000	4,000	1,900	2,800	8,200	NA	<200	22.80	6.63	16.17	NA
V-2	07/09/2001	9,600	710	190	180	1,400	NA	<25	22.80	8.75	14.05	NA
V-2	10/18/2001	20,000	2,000	540	560	6,000	NA	<50	22.80	9.60	13.20	0.4
V-2	01/24/2002	36,000	2,900	870	1,700	5,900	NA	<100	22.80	5.93	16.87	4.0
V-2	04/04/2002	49,000	3,900	1,500	2,900	9,300	NA	<200	22.80	5.78	17.02	0.9
V-2	07/18/2002	50,000	3,600	1,300	2,800	9,300	NA	<200	22.80	7.58	15.22	1.3
V-2	10/21/2002	86,000	6,000	1,900	4,200	20,000	NA	<250	28.80	8.40	20.40	1.3
V-2	01/21/2003	13,000	630	200	300	2,400	NA	<25	28.80	6.52	22.28	1.2
V-2	04/17/2003	26,000	2,000	570	750	6,000	NA	<100	28.80	5.93	22.87	1.1
V-2	07/22/2003	6,800	130	34	150	440	NA	<2.5	28.80	7.96	20.84	1.4
V-2	10/20/2003	14,000	660	160	260	2,400	NA	<10	28.80	9.21	19.59	0.7
V-2	01/13/2004	20,000	1,400	410	700	4,200	NA	<13	28.80	6.90	21.90	NA
V-2	01/22/2004	NA	NA	NA	NA	NA	NA	NA	28.80	8.50	20.30	0.1
V-2	04/01/2004	28,000	2,000	520	650	8,700	NA	NA	28.80	6.84	21.96	0.2

**WELL CONCENTRATIONS**  
**Former Shell Service Station**  
**2703 Martin Luther King Way**  
**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 May 3, 2001, analyzed by EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to May 3, 2001, analyzed by EPA Method 8020.

MTBE = Methyl-tertiary-butyl ether

TOC = Top of Casing Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

DO = Dissolved Oxygen reading

ug/L = Parts per billion

ppm = Parts per million

MSL = Mean sea level

ft = Feet

<n = Below detection limit

D = Duplicate sample

NA = Not applicable

**Notes:**

\* = Water sample from Boring

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

b = Due to error of Sequoia Analytical laboratories, well V-1 confirmed for MTBE by EPA Method 8260 instead of V-2.

c = Hydrocarbon does not match pattern of laboratory's standard.

Site surveyed June 14, 2001, by Virgil Chavez Land Surveying of Vallejo, California.

Site surveyed August 13, 2002, by Virgil Chavez Land Surveying of Vallejo, California.



**Blaine Tech Services, Inc.**

April 16, 2004

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Attn.: Leon Gearhart  
Project#: 040401-BA2  
Project: 97093397  
Site: 2703 Martin Luther King Jr. Way, Oakland

Dear Mr. Gearhart,

Attached is our report for your samples received on 04/02/2004 14:00  
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  
05/17/2004 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,  
please call me at (925) 484-1919.

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

Sincerely,



Vincent Vancil  
Project Manager

Submission: 2004-04-0089

Project Verification

SEVERN

TRENT

Received on: 04/02/2004 14:00

From: **Blaine Tech Services, Inc.**

By: Vincent Vancil

Leon Gearhart

Cooler Tmp: 2.0

1680 Rogers Avenue  
San Jose, CA 95112-1105

STL San Francisco  
1220 Quarry Ln  
Pleasanton CA 94566

Project#: 040401-BA2

EESA-9138-GYO

Project: 97093397

2703 Martin Luther King Jr. Way, Oakland

Tel.: (925) 484-1919  
Fax: (925) 484-1096  
www.stl-inc.com

CA DHS ELAP#:2496

8260B      Selectable Gas/BTEX Fuel Oxygenates by 8260B      10 Day      04/16/2004 14:00  
*Benzene, Ethylbenzene, Gasoline, Toluene,  
Total xylenes*

8260B      Selectable Gas/BTEX Fuel Oxygenates by 8260B      10 Day      04/16/2004 14:00  
*Benzene, Ethylbenzene, Gasoline, Toluene,  
Total xylenes*

8260B      Selectable Gas/BTEX Fuel Oxygenates by 8260B      10 Day      04/16/2004 14:00  
*Benzene, Ethylbenzene, Gasoline, Toluene,  
Total xylenes*

8260B      Selectable Gas/BTEX Fuel Oxygenates by 8260B      10 Day      04/16/2004 14:00  
*Benzene, Ethylbenzene, Gasoline, Toluene,  
Total xylenes*

**Gas/BTEX Fuel Oxygenates 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: 040401-BA2  
97093397

Received: 04/02/2004 14:00

Site: 2703 Martin Luther King Jr. Way, Oakland

**Samples Reported**

Sample ID	Sample Date/Time	Sample Type	Count
MW-4	04/01/2004 11:10	Water	1
MW-5	04/01/2004 11:00	Water	2
V-1	04/01/2004 10:45	Water	3
V-2	04/01/2004 11:25	Water	4

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

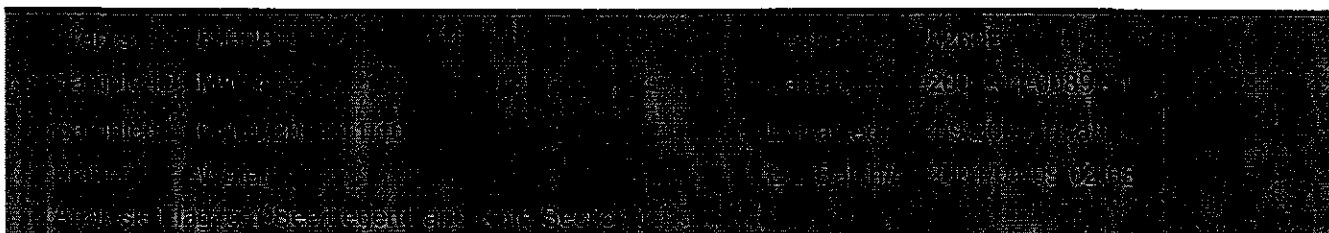
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 040401-BA2

97093397

Received: 04/02/2004 14:00

Site: 2703 Martin Luther King Jr. Way, Oakland



Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	9500	1000	ug/L	20.00	04/09/2004 18:58	
Benzene	2100	10	ug/L	20.00	04/09/2004 18:58	
Toluene	12	10	ug/L	20.00	04/09/2004 18:58	
Ethylbenzene	170	10	ug/L	20.00	04/09/2004 18:58	
Total xylenes	30	20	ug/L	20.00	04/09/2004 18:58	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	119.0	76-130	%	20.00	04/09/2004 18:58	
Toluene-d8	95.3	78-115	%	20.00	04/09/2004 18:58	

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

Blaine Tech Services, Inc.

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Project: 040401-BA2  
97093397

Received: 04/02/2004 14:00

Site: 2703 Martin Luther King Jr. Way, Oakland



Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	70000	5000	ug/L	100.00	04/10/2004 10:48	
Benzene	7900	50	ug/L	100.00	04/10/2004 10:48	
Toluene	11000	50	ug/L	100.00	04/10/2004 10:48	
Ethylbenzene	2100	50	ug/L	100.00	04/10/2004 10:48	
Total xylenes	17000	100	ug/L	100.00	04/10/2004 10:48	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	96.6	76-130	%	100.00	04/10/2004 10:48	
Toluene-d8	97.4	78-115	%	100.00	04/10/2004 10:48	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

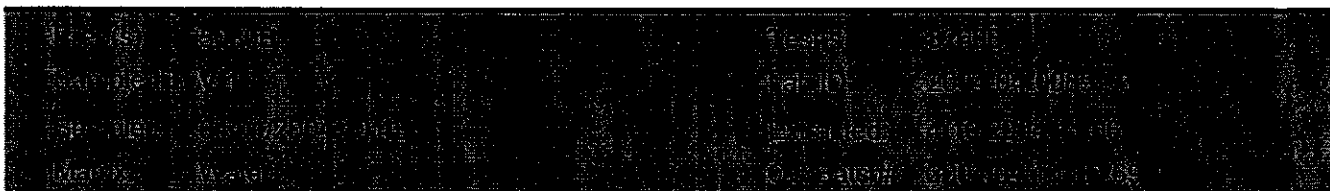
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Project: 040401-BA2

97093397

Received: 04/02/2004 14:00

Site: 2703 Martin Luther King Jr. Way, Oakland



Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/10/2004 11:06	
Benzene	ND	0.50	ug/L	1.00	04/10/2004 11:06	
Toluene	ND	0.50	ug/L	1.00	04/10/2004 11:06	
Ethylbenzene	ND	0.50	ug/L	1.00	04/10/2004 11:06	
Total xylenes	ND	1.0	ug/L	1.00	04/10/2004 11:06	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	92.1	76-130	%	1.00	04/10/2004 11:06	
Toluene-d8	98.5	78-115	%	1.00	04/10/2004 11:06	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

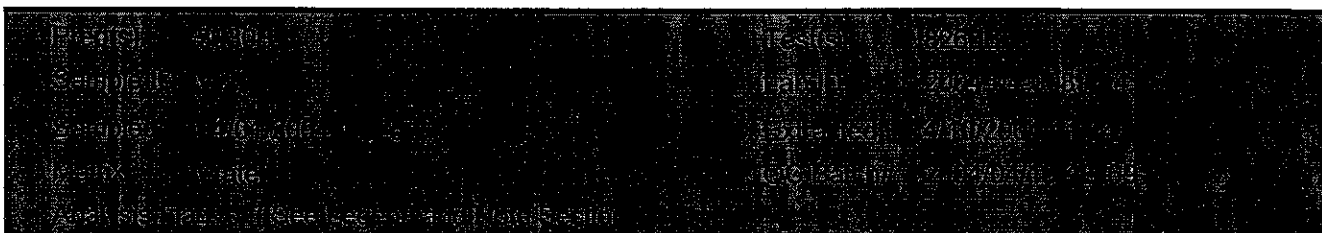
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Project: 040401-BA2

97093397

Received: 04/02/2004 14:00

Site: 2703 Martin Luther King Jr. Way, Oakland



Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	28000	1300	ug/L	25.00	04/10/2004 11:24	
Benzene	2000	13	ug/L	25.00	04/10/2004 11:24	
Toluene	520	13	ug/L	25.00	04/10/2004 11:24	
Ethylbenzene	650	13	ug/L	25.00	04/10/2004 11:24	
Total xylenes	8700	25	ug/L	25.00	04/10/2004 11:24	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	97.7	76-130	%	25.00	04/10/2004 11:24	
Toluene-d8	97.5	78-115	%	25.00	04/10/2004 11:24	

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

Blaine Tech Services, Inc.

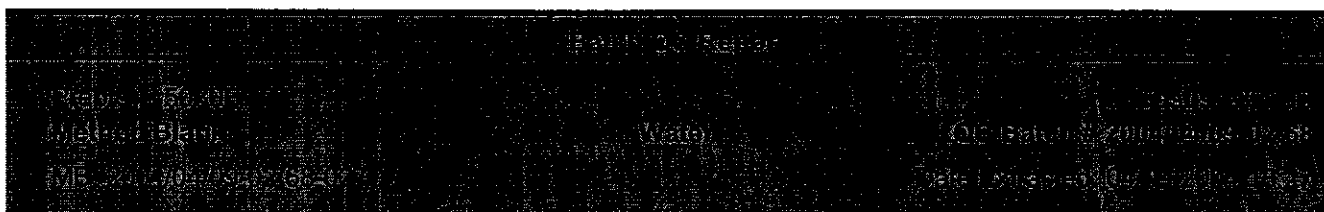
Attn.: Leon Gearhart

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

Project: 040401-BA2  
97093397

Received: 04/02/2004 14:00

Site: 2703 Martin Luther King Jr. Way, Oakland



Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	04/09/2004 18:27	
Benzene	ND	0.5	ug/L	04/09/2004 18:27	
Toluene	ND	0.5	ug/L	04/09/2004 18:27	
Ethylbenzene	ND	0.5	ug/L	04/09/2004 18:27	
Total xylenes	ND	1.0	ug/L	04/09/2004 18:27	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	93.3	76-130	%	04/09/2004 18:27	
Toluene-d8	94.8	78-115	%	04/09/2004 18:27	



**Gas/BTEX Fuel Oxygenates 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: 040401-BA2

97093397

Received: 04/02/2004 14:00

Site: 2703 Martin Luther King Jr. Way, Oakland



Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	04/10/2004 09:47	
Benzene	ND	0.5	ug/L	04/10/2004 09:47	
Toluene	ND	0.5	ug/L	04/10/2004 09:47	
Ethylbenzene	ND	0.5	ug/L	04/10/2004 09:47	
Total xylenes	ND	1.0	ug/L	04/10/2004 09:47	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	100.2	76-130	%	04/10/2004 09:47	
Toluene-d8	96.4	78-115	%	04/10/2004 09:47	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

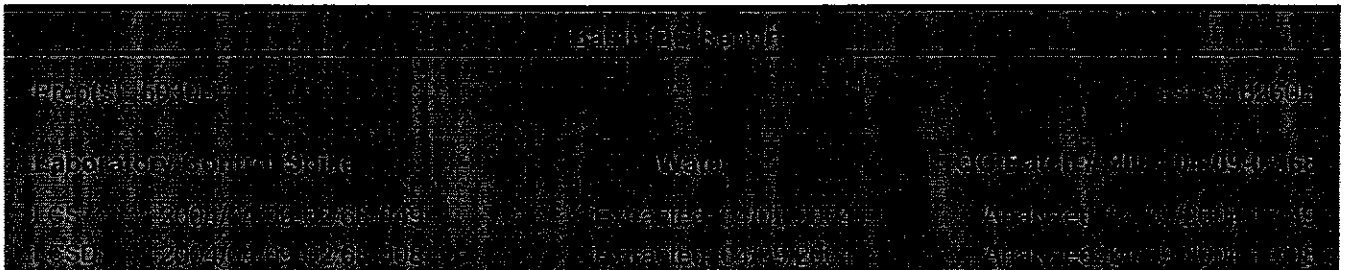
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 040401-BA2

97093397

Received: 04/02/2004 14:00

Site: 2703 Martin Luther King Jr. Way, Oakland



Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	25.6	24.7	25.0	102.4	98.8	3.6	69-129	20		
Toluene	26.7	25.2	25.0	106.8	100.8	5.8	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	434	456	500	86.8	91.2		76-130			
Toluene-d8	472	472	500	94.4	94.4		78-115			

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

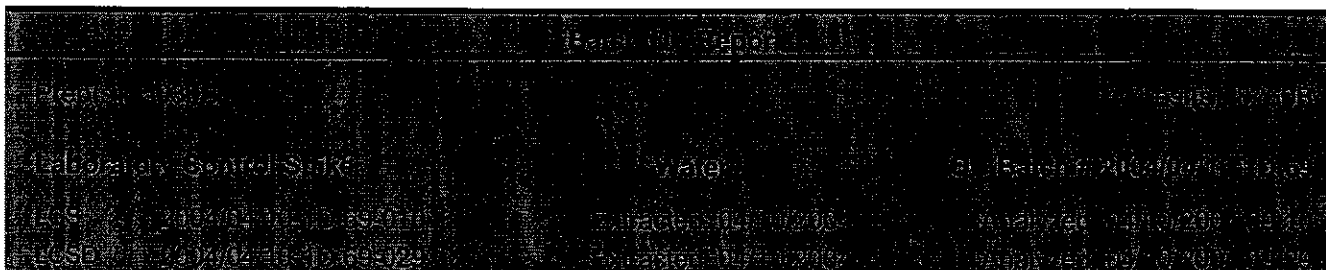
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 040401-BA2

97093397

Received: 04/02/2004 14:00

Site: 2703 Martin Luther King Jr. Way, Oakland



Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	27.0	24.7	25	108.0	98.8	8.9	69-129	20		
Toluene	26.5	25.6	25	106.0	102.4	3.5	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	466	457	500	93.2	91.4		76-130			
Toluene-d8	486	495	500	97.2	99.0		78-115			

**Gas/BTEX Fuel Oxygenates 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: 040401-BA2  
97093397

Received: 04/02/2004 14:00

Site: 2703 Martin Luther King Jr. Way, Oakland

**Analysis Flag**

o

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

STL San Francisco

Sample Receipt Checklist

Submission #: 2004-04-0089

Checklist completed by: (Initials) DJH Date: 04/03/04

Courier name: [X] STL San Francisco [ ] Client

Custody seals intact on shipping container/samples

Yes [X] No [ ] Not Present [ ]

Chain of custody present?

Yes [X] No [ ]

Chain of custody signed when relinquished and received?

Yes [X] No [ ]

Chain of custody agrees with sample labels?

Yes [X] No [ ]

Samples in proper container/bottle?

Yes [X] No [ ]

Sample containers intact?

Yes [X] No [ ]

Sufficient sample volume for indicated test?

Yes [X] No [ ]

All samples received within holding time?

Yes [X] No [ ]

Container/Temp Blank temperature in compliance (4°C ± 2)?

Temp: 2.00 Yes [X] No [ ]

Ice Present Yes [X] No [ ]

Water - VOA vials have zero headspace?

No VOA vials submitted Yes [X] No [ ]

(If bubble is present, refer to approximate bubble size and itemize in comments as S (small - O), M (medium - O), or L (large - O))

Water - pH acceptable upon receipt? [X] Yes [ ] No

[ ] pH adjusted - Preservatives used: [ ] HNO3 [ ] HCl [ ] H2SO4 [ ] NaOH [ ] ZnOAc - Lot #(s)

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments:

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (Initials) Date: / /04

Client contacted: [ ] Yes [ ] No

Summary of discussion:

Corrective Action (per PM/Client):

LAB: DUL

# SHELL Chain Of Custody Record

844609

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be Invoiced:

Karen Petryna

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- QM/ISO SYSTEM

2004-04-0089

INCIDENT NUMBER (S&E ONLY)

9 7 0 9 3 3 9 7

S&E or QM NUMBER (S/CRMT)

DATE: 4/1/04

PAGE: 1 of 1

<b>SUPPLIER COMPANY:</b> Blaine Tech Services 1880 Rogers Avenue, San Jose, CA 95122 LEON GAUTHIER 408-573-0955 / 408-573-7771 / leongauthier@blainetech.com		<b>LAB USE:</b> BTSS		<b>SITE ADDRESS (Street and City):</b> 2703 Martin Luther King Jr. Way, Oakland		<b>CUSTOMER:</b> T0600101876	
<b>TURNAROUND TIME (BUSINESS DAYS):</b> <input checked="" type="checkbox"/> 3 DAYS <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> 18 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS		<b>SAMPLE DELIVERABLE TO (Responsible Party's Designation):</b> Ana Friel (707) 442-2700		<b>PHONE NO.:</b> (707) 442-2700		<b>EMAIL:</b> sonomaedf@cambrja-env.com	
<b>SPECIAL INSTRUCTIONS OR NOTES:</b> CHECK BOX IF EOD IS NOT NEEDED <input type="checkbox"/>		<b>REQUESTED ANALYSIS:</b>		<b>COMPLIANT PROJECT NO.:</b> 0404013M2		<b>BTSS:</b>	

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	STX	MTBE (H20/IS - 5ppb PL)	MTBE (H20/IS - 5ppb PL)	Oxigenates (H2 by (H20/IS))	Ethanol (H20/IS)	Methanol	1,2-DCA (H20/IS)	EDB (H20/IS)	TPH - Dissol. Extractable (H20/IS)	FIELD NOTES: Contained/Precipitate or PID Readings or Laboratory Notes  2.0°C TEMPERATURE ON RECEIPT C°	
		DATE	TIME														
/	MW-4	4/1	1116	W3	3	X	X										
/	MW-5	1	1100	1	1	X	X										
/	V-1	1	1045	1	1	X	X										
/	V-2	2	1125	2	2	X	X										

Collected by (Signature):	Received by (Signature):	Date: <u>4/2/04</u>	Time: <u>1400</u>
Prepared by (Signature):	Received by (Signature):	Date: <u>4/2/04</u>	Time: <u>1723</u>
Analyzed by (Signature):	Received by (Signature):	Date:	Time:

## 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: 031020-MD2

97093397

Received: 10/21/2003 15:26

Site: 2703 Martin Luther King Jr. Way, Oakland

Comments and Notes

**Analysis Flag**

o

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

**Result Flag**

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

# SHELL Chain Of Custody Record

78667

LAB:

Lab Identification (if necessary)

Address

City, State, Zip

Shell Project Manager to be involved:

 Environmental Services  
 Environmental Sampling  
 Environmental Monitoring

Karen Potryna

## 2003-10-0757

INVENTORY NUMBER (SEE ONLY)						
9	7	0	9	3	9	7
PROJECT NUMBER (FSA PROJECT)						

DATE: 10/20/03

PAGE: 1 of 1

CLIENT'S COMPANY <b>Bialco Tech Services</b>	CAP/POC <b>BTSS</b>	SITE ADDRESS (NAME and CITY) <b>2703 Martin Luther King Jr. Way, Oakland</b>	ZIP CODE <b>94601-1878</b>
ADDRESS <b>1680 Rogers Avenue, San Jose, CA 95112</b>	PROJECT CONTACT (NAME and PHONE NO.) <b>Leon Gearhart</b>	CONTACT INFO <b>Ana Friel (707) 442-2700</b>	EMAIL AND PROJECT NO. <b>zenomae@cambrile-anv.com</b> <b>031020-NDZ</b>
TELEPHONE <b>408-573-0555</b>	FAX <b>408-573-7774</b>	E-MAIL <b>lgearhart@biatech.com</b>	

*John De Jong*

TURNAROUND TIME (BUSINESS DAYS)  
 10 DAYS  5 DAYS  72 HOURS  48 HOURS  24 HOURS  LESS THAN 24 HOURS

EA - RHQC REPORT FORMAT  USE AGENCY

COMPLIANCE CONFORMANCE: HIGHEST \_\_\_\_\_ HIGHEST OF BORING \_\_\_\_\_ ALL \_\_\_\_\_

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

### REQUESTED ANALYSIS

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

3.1°C  
TEMPERATURE ON RECEIPT C

LAB KEY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TYP. USE (Polypropylene)	BTEX	METH. 800 (P - 6000 REL)	METH. 8000 (P - 6000 REL)	POLYCYCLICS (P - by (P/STW))	SEMIAROM (C/A/P/S)	HAP (C/A/P/S)	VOC (C/A/P/S)	EPA (C/A/P/S)	TEMP - Storage (Estimate - 0/5/min)
		DATE	TIME												
	MW-1	10/15/03	10:15	W	3										
	MW-2		10:25		3										
	MW-3		10:35		3										
	MW-4		10:50		3										
	MW-5		11:45		3										
	V-1		11:20		2										
	V-2		11:10		3										

Requested by (Print/Sign) <i>John De Jong</i>	Received by (Print/Sign) <i>[Signature]</i>	Date <b>10/20/03</b>	Time <b>19:07</b>
Requested by (Print/Sign) <i>[Signature]</i>	Received by (Print/Sign) <i>[Signature]</i>	Date <b>10/21/03</b>	Time <b>15:26</b>