

R 303



May 13, 2003

Alameda County

MAY 21 2003

Environmental Health

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

**Subject: Shell-branded Service Station**  
230 West MacArthur Boulevard  
Oakland, California

Dear Ms. Drogos:

Attached for your review and comment is a copy of the *First Quarter 2003 Monitoring Report* 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  
Sr. Environmental Engineer

May 13, 2003

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

Re: **First Quarter 2003 Monitoring Report**  
Shell-branded Service Station  
230 West MacArthur Boulevard  
Oakland, California  
Incident # 98995741  
Cambria Project # 245-0902-002



Dear Ms. Drogos:

On behalf of Equilon Enterprises LLC dba Shell Oil Products US, Cambria Environmental Technology, Inc. (Cambria) is submitting this groundwater monitoring report in accordance with the reporting requirements of 23 CCR 2652d.

#### **FIRST QUARTER 2003 ACTIVITIES**

**Groundwater Monitoring:** Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged and sampled all site wells, calculated groundwater elevations, and compiled the analytical data. Cambria prepared a site vicinity map which includes previously submitted well survey information (Figure 1) and a groundwater elevation contour map (Figure 2). Blaine's report, presenting the analytical laboratory reports, is included as Attachment A.

#### **ANTICIPATED SECOND QUARTER 2003 ACTIVITIES**

**Groundwater Monitoring:** The second quarter sampling event is scheduled for June 2003. At that time, Blaine will gauge all wells, sample selected wells, and tabulate the data. Monitoring will be coordinated with the adjacent Oakland Auto Works site at 240 West MacArthur Boulevard. Cambria will prepare a monitoring report that includes a groundwater contour map based on the coordinated monitoring data.

**Cambria  
Environmental  
Technology, Inc.**

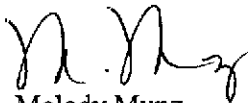
5900 Hollis Street  
Suite A  
Emeryville, CA 94608  
Tel (510) 420-0700  
Fax (510) 420-9170

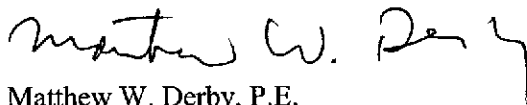
**Subsurface Investigation Work Plan:** Cambria's October 31, 2002 *Sensitive Receptor Survey, Conduit Study Report and Subsurface Investigation Work Plan* included a work plan to investigate whether hydrocarbon-impacted groundwater has migrated offsite in the direction of the sanitary sewer line in West Mac Arthur Boulevard. Proposed boring locations are shown on Figure 2. Cambria will proceed with permitting and scheduling upon receipt of written approval of the work plan from Alameda County Health Care Services Agency.

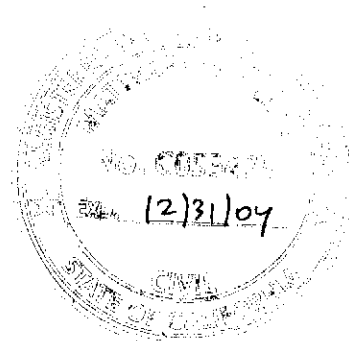
**CLOSING**

We appreciate the opportunity to work with you on this project. Please call Melody Munz at (510) 420-3324, if you have any questions or comments.

Sincerely,  
**Cambria Environmental Technology, Inc**

  
Melody Munz  
Project Engineer

  
Matthew W. Derby, P.E.  
Senior Project Engineer



Figures: 1 - Vicinity/Area Well Survey Map  
2 - Groundwater Elevation Contour Map with Underground Utility and Proposed Soil Boring Locations

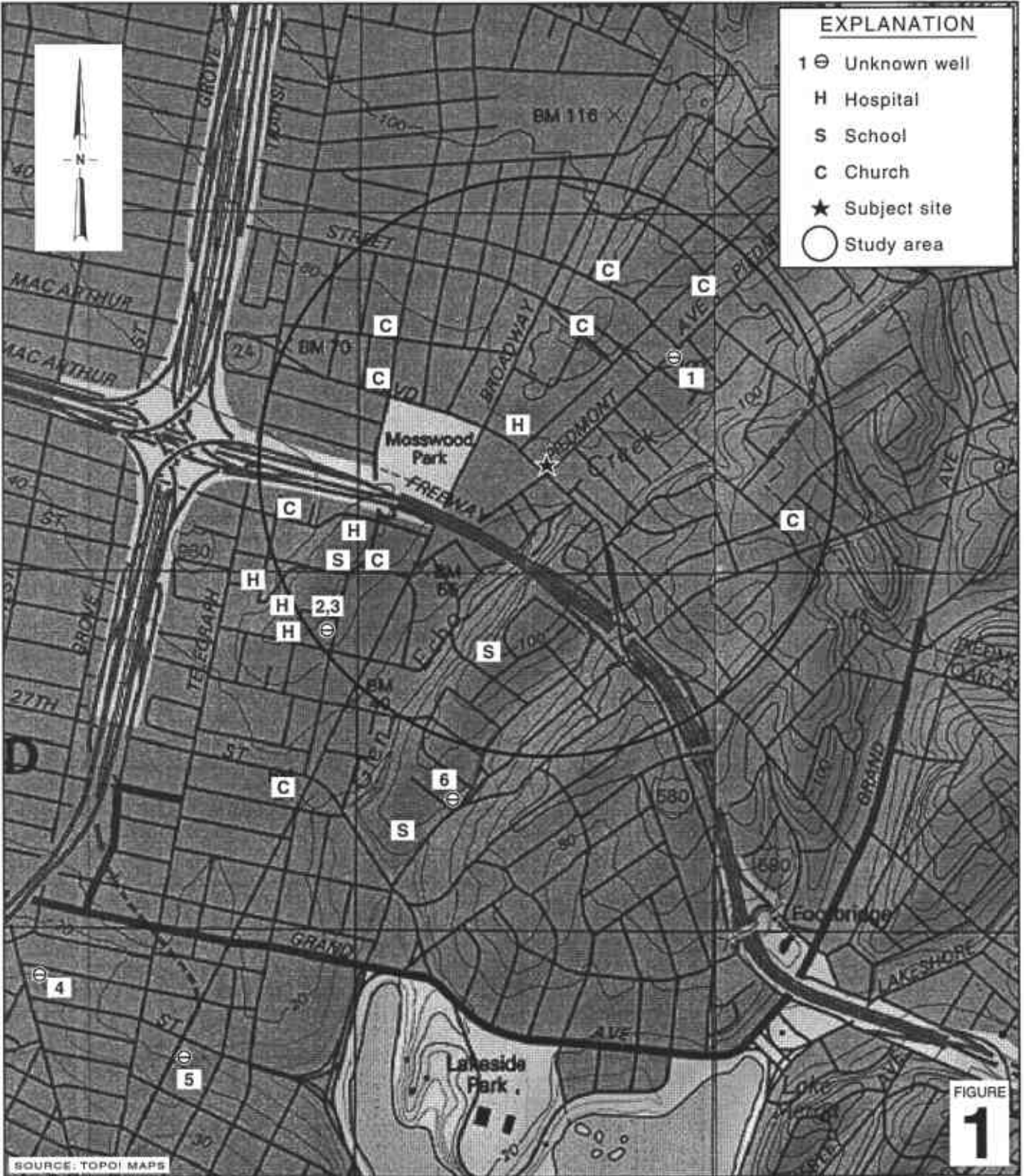
Attachment: A - Blaine Groundwater Monitoring Report

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

G:\Oakland 230 MacArthur\QM\1q03\1q03.doc

**EXPLANATION**

- 1 ⊖ Unknown well
- H Hospital
- S School
- C Church
- ★ Subject site
- Study area



G:\OAKLAND\230MACARTHUR\FIGURES\VIC-WELL-SURVEY.A1

SOURCE: TOPOI MAPS

**FIGURE 1**

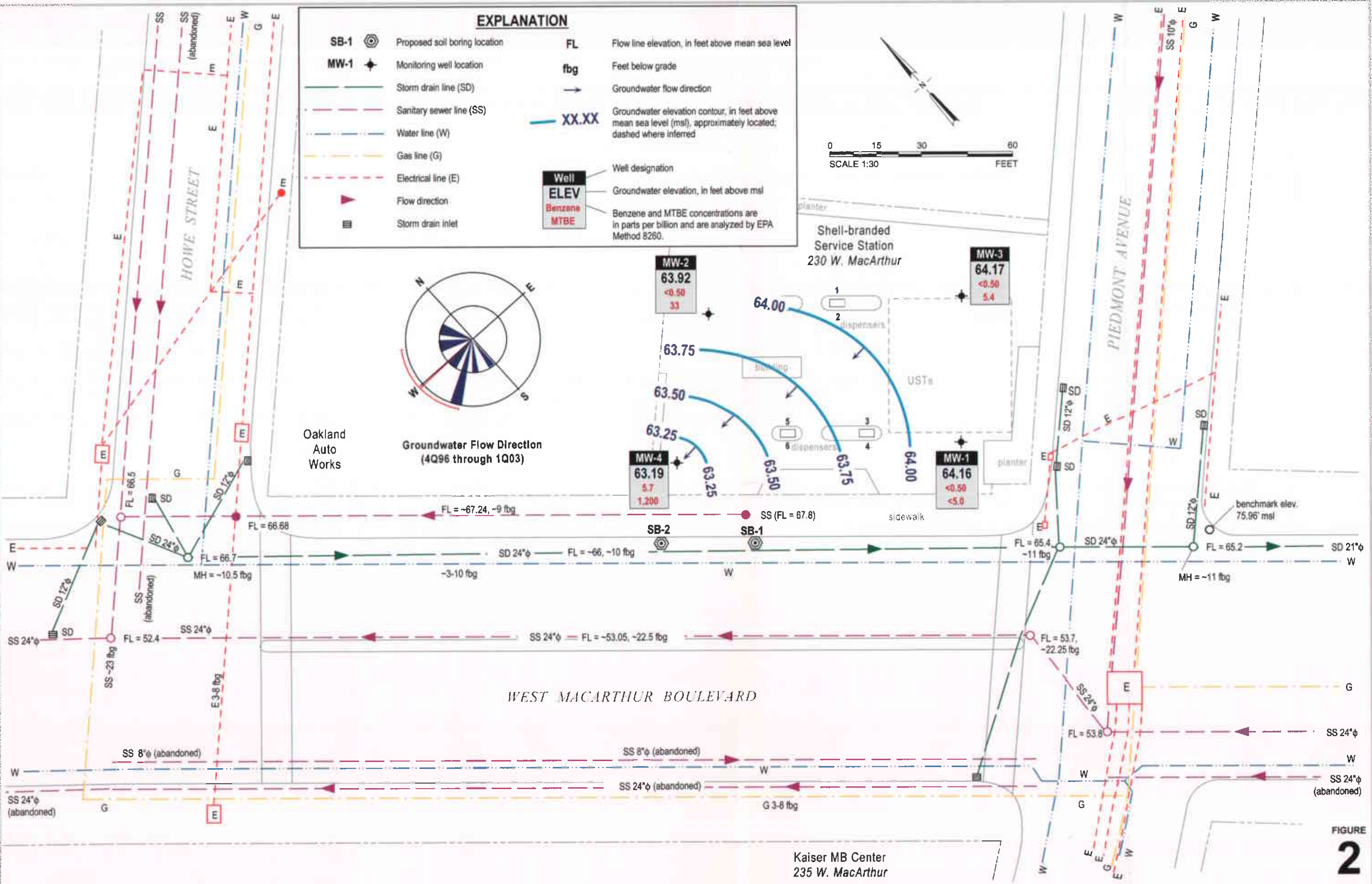
0 1/8 1/4 1/2 1  
SCALE : 1" = 1/4 MILE

**Shell-branded Service Station**  
 230 West MacArthur Boulevard  
 Oakland, California  
 Incident #98995741



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

G:\OAKLAND\30MACARTHUR\FIGURES\1QM03.MPA



**Groundwater Elevation Contour Map with  
Underground Utility and Proposed  
Soil Boring Locations**



**Shell-branded Service Station**  
230 West MacArthur Boulevard  
Oakland, California  
Incident #98995741

March 10, 2003

**FIGURE 2**

**ATTACHMENT A**  
**Blaine 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

April 15, 2003

Karen Petryna  
Shell Oil Products US  
P.O. Box 7869  
Burbank, CA 92510-7869

First Quarter 2003 Groundwater Monitoring at  
Shell-branded Service Station  
230 West MacArthur Blvd.  
Oakland, CA

Monitoring performed on March 10, 2003

---

Groundwater Monitoring Report 030310-DW-3

This report covers the routine monitoring of groundwater wells at this 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/jt

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

cc: Anni Kreml  
Cambria Environmental Technology, Inc.  
5900 Hollis Street, Suite A  
Oakland, CA 94608



**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**230 West MacArthur Boulevard**  
**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)
MW-1	07/14/1988	ND	ND	ND	ND	ND	NA	NA	73.89	13.30	60.59
MW-1	10/04/1988	ND	8	4.3	ND	9	NA	NA	73.89	13.65	60.24
MW-1	11/10/1988	ND	ND	ND	ND	ND	NA	NA	73.89	13.55	60.34
MW-1	12/09/1988	ND	ND	ND	ND	ND	NA	NA	73.89	13.22	60.67
MW-1	01/10/1989	ND	ND	ND	ND	NA	NA	NA	73.89	12.86	61.03
MW-1	01/20/1989	ND	ND	NA	NA	ND	NA	NA	73.89	12.91	60.98
MW-1	02/06/1989	ND	ND	ND	ND	ND	NA	NA	73.89	12.94	60.95
MW-1	03/10/1989	ND	ND	ND	ND	ND	NA	NA	73.89	12.59	61.30
MW-1	06/06/1989	ND	ND	ND	ND	ND	NA	NA	73.89	14.05	59.84
MW-1	09/07/1989	ND	ND	ND	ND	ND	NA	NA	73.89	14.92	58.97
MW-1	12/18/1989	ND	ND	ND	ND	ND	NA	NA	73.89	14.88	59.01
MW-1	03/08/1990	ND	ND	ND	ND	ND	NA	NA	73.89	14.08	59.81
MW-1	06/07/1990	ND	ND	ND	ND	ND	NA	NA	73.89	13.89	60.00
MW-1	09/05/1990	ND	ND	ND	ND	ND	NA	NA	73.89	14.83	59.06
MW-1	12/03/1990	ND	ND	ND	ND	ND	NA	NA	73.89	15.05	58.84
MW-1	03/01/1991	ND	ND	ND	ND	ND	NA	NA	73.89	14.34	59.55
MW-1	06/03/1991	ND	ND	ND	ND	ND	NA	NA	73.89	14.16	59.73
MW-1	09/04/1991	ND	ND	ND	ND	ND	NA	NA	73.89	14.60	59.29
MW-1	03/13/1992	ND	ND	ND	ND	ND	NA	NA	73.89	13.40	60.49
MW-1	06/03/1992	ND	ND	ND	ND	ND	NA	NA	73.89	13.76	60.13
MW-1	08/19/1992	87	ND	ND	ND	ND	NA	NA	73.89	14.57	59.32
MW-1	11/16/1992	ND	ND	ND	ND	ND	NA	NA	73.89	14.78	59.11
MW-1	02/18/1993	59a	ND	ND	ND	ND	NA	NA	73.89	12.14	61.75
MW-1	06/01/1993	ND	ND	ND	ND	ND	NA	NA	73.89	13.30	60.59
MW-1	08/30/1993	ND	ND	ND	ND	ND	NA	NA	73.89	14.32	59.57
MW-1	12/13/1993	ND	ND	ND	ND	ND	NA	NA	73.89	14.06	59.83
MW-1	03/03/1994	100	ND	ND	ND	ND	NA	NA	73.89	13.12	60.77

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**230 West MacArthur Boulevard**  
**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)
---------	------	----------------	-------------	-------------	-------------	-------------	------------------------	------------------------	--------------	----------------------------	--------------------------

MW-1	06/06/1994	ND	ND	ND	ND	ND	NA	NA	73.89	14.20	59.69
MW-1	09/12/1994	ND	ND	ND	ND	ND	NA	NA	73.89	15.72	58.17
MW-1	12/15/1994	ND	ND	ND	ND	ND	NA	NA	73.89	12.98	60.91
MW-1	3/13/1995 b	60	4.7	9.8	ND	2.9	NA	NA	73.89	11.74	62.15
MW-1	04/21/1995	ND	ND	ND	ND	ND	NA	NA	73.89	NA	NA
MW-1	06/26/1995	ND	ND	ND	ND	ND	NA	NA	73.89	13.00	60.89
MW-1	09/12/1995	ND	ND	ND	ND	ND	NA	NA	73.89	14.14	59.75
MW-1	03/21/1996	<50	<0.5	<0.5	<0.5	<0.5	ND	NA	73.89	11.03	62.86
MW-1	06/28/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	73.89	13.53	60.36
MW-1	09/19/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	73.89	14.33	59.56
MW-1	12/19/1996	NA	NA	NA	NA	NA	NA	NA	73.89	13.20	60.69
MW-1	12/05/1997	NA	NA	NA	NA	NA	NA	NA	73.89	12.39	61.50
MW-1	12/24/1998	NA	NA	NA	NA	NA	NA	NA	73.89	13.59	60.30
MW-1	12/23/1999	NA	NA	NA	NA	NA	NA	NA	73.89	15.63	58.26
MW-1	12/11/2000	NA	NA	NA	NA	NA	NA	NA	73.89	15.36	58.53
MW-1	12/27/2001	NA	NA	NA	NA	NA	NA	NA	73.89	12.09	61.80
MW-1	03/12/2002	NA	NA	NA	NA	NA	NA	NA	73.89	12.33	61.56
MW-1	03/14/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	73.89	12.08	61.81
MW-1	06/13/2002	NA	NA	NA	NA	NA	NA	NA	73.89	13.47	60.42
MW-1	09/09/2002	NA	NA	NA	NA	NA	NA	NA	76.92	14.30	62.62
MW-1	12/12/2002	NA	NA	NA	NA	NA	NA	NA	76.92	14.48	62.44
<b>MW-1</b>	<b>03/10/2003</b>	<b>&lt;50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>NA</b>	<b>&lt;5.0</b>	<b>76.92</b>	<b>12.76</b>	<b>64.16</b>

MW-2	07/14/1988	ND	7.9	2.6	1.1	4	NA	NA	75.24	15.18	60.06
MW-2	10/04/1988	90	ND	1.3	2.3	12	NA	NA	75.24	15.30	59.94
MW-2	11/10/1988	ND	ND	ND	ND	2	NA	NA	75.24	15.17	60.07
MW-2	12/09/1988	ND	ND	0.6	ND	3	NA	NA	75.24	14.82	60.42

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**230 West MacArthur Boulevard**  
**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)
MW-2	01/20/1989	ND	ND	ND	ND	ND	NA	NA	75.24	14.54	60.70
MW-2	02/06/1989	NA	ND	ND	ND	ND	NA	NA	75.24	14.59	60.65
MW-2	03/10/1989	ND	ND	ND	ND	ND	NA	NA	75.24	14.88	60.36
MW-2	06/06/1989	ND	ND	0.5	ND	ND	NA	NA	75.24	15.30	59.94
MW-2	09/07/1989	ND	ND	ND	ND	ND	NA	NA	75.24	16.76	58.48
MW-2	12/18/1989	ND	ND	ND	ND	ND	NA	NA	75.24	16.65	58.59
MW-2	03/08/1990	ND	ND	ND	ND	ND	NA	NA	75.24	15.92	59.32
MW-2	06/07/1990	ND	ND	ND	ND	ND	NA	NA	75.24	16.10	59.14
MW-2	09/05/1990	ND	ND	ND	ND	ND	NA	NA	75.24	16.61	58.63
MW-2	12/03/1990	ND	ND	ND	ND	ND	NA	NA	75.24	17.06	58.18
MW-2	03/01/1991	ND	ND	ND	ND	ND	NA	NA	75.24	16.62	58.62
MW-2	06/03/1991	ND	ND	ND	ND	ND	NA	NA	75.24	16.65	58.59
MW-2	09/04/1991	ND	ND	ND	ND	ND	NA	NA	75.24	16.57	58.67
MW-2	03/13/1992	ND	ND	ND	ND	ND	NA	NA	75.24	14.66	60.58
MW-2	06/03/1992	ND	ND	ND	ND	ND	NA	NA	75.24	15.90	59.34
MW-2	08/19/1992	67	ND	ND	ND	ND	NA	NA	75.24	16.72	58.52
MW-2	11/16/1992	50	ND	ND	ND	1.2	NA	NA	75.24	16.66	58.58
MW-2	02/18/1993	52a	ND	ND	ND	ND	NA	NA	75.24	13.88	61.36
MW-2 (D)	02/18/1993	52a	ND	ND	ND	ND	NA	NA	75.24	13.88	61.36
MW-2	06/01/1993	ND	ND	ND	ND	ND	NA	NA	75.24	14.74	60.50
MW-2	08/30/1993	70a	ND	ND	ND	ND	NA	NA	75.24	15.85	59.39
MW-2	12/13/1993	68a	ND	ND	ND	ND	NA	NA	75.24	15.83	59.41
MW-2	03/03/1994	280a	ND	ND	ND	ND	NA	NA	75.24	14.80	60.44
MW-2	06/06/1994	ND	ND	ND	ND	ND	NA	NA	75.24	16.65	58.59
MW-2	09/12/1994	ND	ND	ND	ND	ND	NA	NA	75.24	16.72	58.52
MW-2	12/15/1994	230a	ND	ND	ND	ND	NA	NA	75.24	15.25	59.99
MW-2	03/13/1995	ND	2.9	6.3	ND	2.7	NA	NA	75.24	15.32	59.92

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**230 West MacArthur Boulevard**  
**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)
---------	------	----------------	-------------	-------------	-------------	-------------	------------------------	------------------------	--------------	---------------------------	--------------------------

MW-2	04/21/1995	ND	ND	ND	ND	ND	NA	NA	75.24	NA	NA
MW-2	06/26/1995	ND	ND	ND	ND	ND	NA	NA	75.24	14.65	60.59
MW-2	09/12/1995	ND	ND	ND	ND	ND	NA	NA	75.24	15.78	59.46
MW-2	03/21/1996	<50	<0.5	<0.5	<0.5	<0.5	ND	NA	75.24	12.72	62.52
MW-2	06/28/1996	<50	<0.5	<0.5	<0.5	<0.5	160	NA	75.24	14.95	60.29
MW-2	09/19/1996	<50	<0.5	<0.5	<0.5	<0.5	27	NA	75.24	15.64	59.60
MW-2	12/19/1996	NA	NA	NA	NA	NA	NA	NA	75.24	14.47	60.77
MW-2	12/05/1997	NA	NA	NA	NA	NA	NA	NA	75.24	14.22	61.02
MW-2	12/24/1998	NA	NA	NA	NA	NA	NA	NA	75.24	14.97	60.27
MW-2	12/23/1999	NA	NA	NA	NA	NA	NA	NA	75.24	16.07	59.17
MW-2	12/11/2000	NA	NA	NA	NA	NA	NA	NA	75.24	15.78	59.46
MW-2	12/27/2001	NA	NA	NA	NA	NA	NA	95	75.24	14.25	60.99
MW-2	03/14/2002	120	<0.50	<0.50	<0.50	<0.50	NA	31	75.24	14.59	60.65
MW-2	06/13/2002	100	<0.50	<0.50	<0.50	<0.50	NA	32	75.24	14.58	60.66
MW-2	09/09/2002	90	<0.50	<0.50	<0.50	<0.50	NA	54	78.25	15.49	62.76
MW-2	12/12/2002	92	<0.50	<0.50	<0.50	<0.50	NA	21	78.25	16.21	62.04
<b>MW-2</b>	<b>03/10/2003</b>	<b>110</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>NA</b>	<b>33</b>	<b>78.25</b>	<b>14.33</b>	<b>63.92</b>

MW-3	07/14/1988	ND	ND	ND	ND	ND	NA	NA	74.68	14.05	60.63
MW-3	10/04/1988	ND	ND	ND	ND	5	NA	NA	74.68	14.60	60.08
MW-3	11/10/1988	ND	ND	ND	ND	ND	NA	NA	74.68	14.35	60.33
MW-3	12/09/1988	ND	ND	ND	ND	ND	NA	NA	74.68	14.04	60.64
MW-3	01/10/1989	ND	ND	ND	ND	NA	NA	NA	74.68	13.70	60.98
MW-3	01/20/1989	NA	NA	ND	ND	ND	NA	NA	74.68	13.72	60.96
MW-3	02/06/1989	70	ND	ND	ND	ND	NA	NA	74.68	13.75	60.93
MW-3	03/10/1989	150	ND	ND	ND	ND	NA	NA	74.68	13.42	61.26
MW-3	06/06/1989	ND	ND	ND	ND	ND	NA	NA	74.68	14.52	60.16

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**230 West MacArthur Boulevard**  
**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)
MW-3	09/07/1989	ND	0.65	ND	ND	ND	NA	NA	74.68	15.52	59.16
MW-3	12/18/1989	46	1.3	ND	0.44	0.66	NA	NA	74.68	19.59	55.09
MW-3	03/08/1990	ND	ND	ND	ND	ND	NA	NA	74.68	14.72	59.96
MW-3	06/07/1990	ND	ND	ND	ND	ND	NA	NA	74.68	14.65	60.03
MW-3	09/05/1990	ND	ND	ND	ND	ND	NA	NA	74.68	15.51	59.17
MW-3	12/03/1990	ND	ND	ND	ND	ND	NA	NA	74.68	14.85	59.83
MW-3	03/01/1991	1.9	59	ND	22	ND	NA	NA	74.68	14.92	59.76
MW-3	06/03/1991	ND	ND	ND	ND	ND	NA	NA	74.68	14.75	59.93
MW-3	09/04/1991	ND	ND	ND	ND	ND	NA	NA	74.68	15.14	59.54
MW-3	03/13/1992	ND	ND	ND	ND	ND	NA	NA	74.68	13.50	61.18
MW-3	06/03/1992	ND	ND	ND	ND	ND	NA	NA	74.68	14.39	60.29
MW-3	08/19/1992	92	ND	ND	ND	ND	NA	NA	74.68	15.08	59.60
MW-3 (D)	08/19/1992	76	ND	ND	ND	ND	NA	NA	74.68	15.08	59.60
MW-3	11/16/1992	200a	ND	ND	ND	ND	NA	NA	74.68	15.43	59.25
MW-3 (D)	11/16/1992	140a	ND	ND	ND	ND	NA	NA	74.68	15.43	59.25
MW-3	02/18/1993	680a	ND	ND	ND	ND	NA	NA	74.68	12.96	61.72
MW-3	06/01/1993	160a	ND	ND	ND	ND	NA	NA	74.68	13.98	60.70
MW-3 (D)	06/01/1993	150a	ND	ND	ND	ND	NA	NA	74.68	13.98	60.70
MW-3	08/30/1993	110a	ND	ND	ND	ND	NA	NA	74.68	14.82	59.86
MW-3	12/13/1993	140a	ND	ND	ND	ND	NA	NA	74.68	14.70	59.98
MW-3 (D)	12/13/1993	110a	ND	ND	ND	ND	NA	NA	74.68	14.70	59.98
MW-3	03/03/1994	61a	ND	ND	ND	ND	NA	NA	74.68	13.92	60.76
MW-3	06/06/1994	ND	ND	ND	ND	ND	NA	NA	74.68	14.73	59.95
MW-3	09/12/1994	ND	ND	ND	ND	ND	NA	NA	74.68	15.42	59.26
MW-3	12/15/1994	ND	ND	0.9	ND	0.6	NA	NA	74.68	13.80	60.88
MW-3	03/13/1995	100a	7.9	17	0.7	6.1	NA	NA	74.68	12.41	62.27
MW-3	04/21/1995	60	0.9	1.1	ND	1	NA	NA	74.68	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**230 West MacArthur Boulevard**  
**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)
---------	------	----------------	-------------	-------------	-------------	-------------	------------------------	------------------------	--------------	----------------------------	--------------------------

MW-3	06/26/1995	ND	ND	ND	ND	ND	NA	NA	74.68	13.79	60.89
MW-3	09/12/1995 b	ND	ND	ND	ND	ND	NA	NA	74.68	14.77	59.91
MW-3	03/21/1996	<50	<0.5	<0.5	<0.5	<0.5	17	NA	74.68	11.80	62.88
MW-3	06/28/1996	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA	74.68	14.19	60.49
MW-3	09/19/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	74.68	14.85	59.83
MW-3	12/19/1996	NA	NA	NA	NA	NA	NA	NA	74.68	13.61	61.07
MW-3	12/05/1997	NA	NA	NA	NA	NA	NA	NA	74.68	13.16	61.52
MW-3	12/24/1998	NA	NA	NA	NA	NA	NA	NA	74.68	14.08	60.60
MW-3	12/23/1999	NA	NA	NA	NA	NA	NA	NA	74.68	15.92	58.76
MW-3	12/11/2000	NA	NA	NA	NA	NA	NA	NA	74.68	15.31	59.37
MW-3	12/27/2001	NA	NA	NA	NA	NA	NA	NA	74.68	12.84	61.84
MW-3	03/12/2002	NA	NA	NA	NA	NA	NA	NA	74.68	12.54	62.14
MW-3	03/14/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	40	74.68	12.78	61.90
MW-3	06/13/2002	NA	NA	NA	NA	NA	NA	NA	74.68	14.06	60.62
MW-3	09/09/2002	NA	NA	NA	NA	NA	NA	NA	77.69	14.77	62.92
MW-3	12/12/2002	NA	NA	NA	NA	NA	NA	NA	77.69	15.11	62.58
<b>MW-3</b>	<b>03/10/2003</b>	<b>&lt;50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>NA</b>	<b>5.4</b>	<b>77.69</b>	<b>13.52</b>	<b>64.17</b>

MW-4	01/23/1990	1,600	100	10	30	20	NA	NA	73.83	14.68	59.15
MW-4	03/08/1990	4,200	260	18	88	39	NA	NA	73.83	14.38	59.45
MW-4	06/07/1990	2,000	150	6.9	14	17	NA	NA	73.83	14.27	59.56
MW-4	09/05/1990	1,700	130	10	7.2	19	NA	NA	73.83	15.40	58.43
MW-4	12/03/1990	2,600	108	41	17	59	NA	NA	73.83	15.90	57.93
MW-4	06/03/1991	2,800	160	15	8.8	32	NA	NA	73.83	14.60	59.23
MW-4	09/04/1991	Sheen	NA	NA	NA	NA	NA	NA	73.83	15.25	58.58
MW-4	03/13/1992	2,700	180	70	5.9	29	NA	NA	73.83	12.72	61.11
MW-4	06/03/1992	1,700	190	ND	30	23	NA	NA	73.83	14.33	59.50

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**230 West MacArthur Boulevard**  
**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)
MW-4	08/19/1992	170	4.2	ND	0.6	1	NA	NA	73.83	15.18	58.65
MW-4	11/16/1992	2,600	92	49	50	81	NA	NA	73.83	15.39	58.44
MW-4	02/18/1993	7,400	120	38	51	87	NA	NA	73.83	12.62	61.21
MW-4	06/01/1993	7,000	1,800	1,700	1,600	1,700	NA	NA	73.83	13.68	60.15
MW-4	08/30/1993	2,100	80	11	ND	11	NA	NA	73.83	14.83	59.00
MW-4 (D)	08/30/1993	2,100	77	5.6	ND	5.5	NA	NA	73.83	14.83	59.00
MW-4	12/13/1993	2,000a	20	ND	21	52	NA	NA	73.83	14.50	59.33
MW-4	03/03/1994	3,500	150	86	85	90	NA	NA	73.83	13.48	60.35
MW-4 (D)	03/03/1994	3,200	130	73	74	76	NA	NA	73.83	13.48	60.35
MW-4	06/06/1994	590	25	ND	ND	ND	NA	NA	73.83	14.26	59.57
MW-4 (D)	06/06/1994	400	16	ND	ND	ND	NA	NA	73.83	14.26	59.57
MW-4	09/12/1994	1,800	42	ND	3.7	4.7	NA	NA	73.83	15.42	58.41
MW-4 (D)	09/12/1994	2,000	40	ND	5.7	8	NA	NA	73.83	15.42	58.41
MW-4	12/15/1994	2,900	78	14	94	17	NA	NA	73.83	13.43	60.40
MW-4 (D)	12/15/1994	2,900	90	7	96	18	NA	NA	73.83	13.43	60.40
MW-4	03/13/1995	2,700	240	24	99	34	NA	NA	73.83	12.13	61.70
MW-4 (D)	03/13/1995	2,500	300	24	140	28	NA	NA	73.83	12.13	61.70
MW-4	06/25/1995	2,100	87	10	67	25	NA	NA	73.83	13.26	60.57
MW-4 (D)	06/25/1995	2,300	92	12	74	26	NA	NA	73.83	13.26	60.57
MW-4	09/12/1995 b	1,300	33	13	9.3	15	NA	NA	73.83	14.64	59.19
MW-4 (D)	09/12/1995 b	1,500	2.1	16	11	17	NA	NA	73.83	14.64	59.19
MW-4	03/21/1996	2,100	50	3.2	40	5.4	ND	NA	73.83	11.55	62.28
MW-4 (D)	03/21/1996	1,700	24	<0.5	39	7.2	740	NA	73.83	11.55	62.28
MW-4	06/28/1996	1,300	61	6.2	53	11	1,000	NA	73.83	13.86	59.97
MW-4 (D)	06/28/1996	1,200	29	6.2	50	8.3	1,000	NA	73.83	13.86	59.97
MW-4	09/19/1996	820	12	<2.5	2.8	4.3	720	NA	73.83	14.72	59.11
MW-4 (D)	09/19/1996	580	9.6	<2.5	<2.5	<2.5	760	1,200	73.83	14.72	59.11

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**230 West MacArthur Boulevard**  
**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)
MW-4	12/19/1996	1,200	28	<5.0	<5.0	<5.0	<25	NA	73.83	13.06	60.77
MW-4	12/05/1997	1,900	36	9	16	18	630	NA	73.83	12.89	60.94
MW-4	12/24/1998	1,100	23	5.3	38	7.9	1,100	NA	73.83	13.92	59.91
MW-4	12/17/1999	1,100	22	21	13	11	3,800	3,200	73.83	14.28	59.55
MW-4	12/23/1999	NA	NA	NA	NA	NA	NA	NA	73.83	16.24	57.59
MW-4	12/11/2000	975	25.0	11.3	<5.00	<5.00	1960	1730c	73.83	14.15	59.68
MW-4	12/27/2001	2,000	9.9	<5.0	18	<5.0	NA	1,400	73.83	12.61	61.22
MW-4	03/14/2002	1,700	6.6	<2.0	2.1	2.1	NA	1,100	73.83	12.35	61.48
MW-4	06/13/2002	1,200	4.7	<2.0	<2.0	<2.0	NA	1,100	73.83	13.72	60.11
MW-4	09/09/2002	620	3.7	<2.0	<2.0	<2.0	NA	760	76.82	14.56	62.26
MW-4	12/12/2002	1,500	3.9	<2.0	<2.0	<2.0	NA	880	76.82	14.82	62.00
<b>MW-4</b>	<b>03/10/2003</b>	<b>2,300</b>	<b>5.7</b>	<b>0.95</b>	<b>3.8</b>	<b>0.63</b>	<b>NA</b>	<b>1,200</b>	<b>76.82</b>	<b>13.63</b>	<b>63.19</b>

Abbreviations:

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

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to December 27, 2001, by EPA Method 8020.

MTBE = Methyl-tertiary-butyl ether

TOC = Top of Casing Elevation

GW = Groundwater

ug/L = Parts per billion

MSL = Mean sea level

ft = Feet

<n = Below detection limit

D = Duplicate sample

ND = Not detected at or above the quantitative limit.

NA = Not applicable



**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**230 West MacArthur Boulevard**  
**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)
---------	------	----------------	-------------	-------------	-------------	-------------	------------------------	------------------------	--------------	----------------------------	--------------------------

Notes:

- a = Chromatogram pattern indicates the presence of an unidentified hydrocarbon.
  - b = The laboratory noted the sample was analyzed after the method specified holding time.
  - c = This sample was analyzed outside of EPA recommended hold time.
- Site surveyed January 30, 2002, by Virgil Chavez Land Surveying of Vallejo, California.

Leon Gearhart  
Blaine Tech Services  
1680 Rogers Avenue  
San Jose, CA 95112-1105

Subject : 4 Water Samples  
Project Name : 230 W. MacArthur Blvd., Oakland  
Project Number : 030310-DW-3  
P.O. Number : 98995741

Dear Mr. Gearhart,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,



Joel Kiff



Report Number : 32083

Date : 3/18/03

Subject : 4 Water Samples  
Project Name : 230 W. MacArthur Blvd., Oakland  
Project Number : 030310-DW-3  
P.O. Number : 98995741

## Case Narrative

Matrix Spike/Matrix Spike Duplicate Results associated with sample MW-4 for the analyte Methyl-t-butyl ether were affected by the analyte concentrations already present in the un-spiked sample. Hydrocarbons reported as TPH as Gasoline do not exhibit a typical Gasoline chromatographic pattern for sample MW-2.

Approved By:  \_\_\_\_\_  
Joel Kiff



Report Number : 32083

Date : 3/18/03

Project Name : 230 W. MacArthur Blvd., Oakland

Project Number : 030310-DW-3

Sample : MW-1

Matrix : Water

Lab Number : 32083-01

Sample Date :3/10/03

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>Benzene</b>	< 0.50	0.50	ug/L	EPA 8260B	3/12/03
<b>Toluene</b>	< 0.50	0.50	ug/L	EPA 8260B	3/12/03
<b>Ethylbenzene</b>	< 0.50	0.50	ug/L	EPA 8260B	3/12/03
<b>Total Xylenes</b>	< 0.50	0.50	ug/L	EPA 8260B	3/12/03
<b>Methyl-t-butyl ether (MTBE)</b>	< 5.0	5.0	ug/L	EPA 8260B	3/12/03
<b>TPH as Gasoline</b>	< 50	50	ug/L	EPA 8260B	3/12/03
Toluene - d8 (Surr)	97.0		% Recovery	EPA 8260B	3/12/03
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	3/12/03

Sample : MW-2

Matrix : Water

Lab Number : 32083-02

Sample Date :3/10/03

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>Benzene</b>	< 0.50	0.50	ug/L	EPA 8260B	3/12/03
<b>Toluene</b>	< 0.50	0.50	ug/L	EPA 8260B	3/12/03
<b>Ethylbenzene</b>	< 0.50	0.50	ug/L	EPA 8260B	3/12/03
<b>Total Xylenes</b>	< 0.50	0.50	ug/L	EPA 8260B	3/12/03
<b>Methyl-t-butyl ether (MTBE)</b>	33	5.0	ug/L	EPA 8260B	3/12/03
<b>TPH as Gasoline</b>	110	50	ug/L	EPA 8260B	3/12/03
Toluene - d8 (Surr)	97.0		% Recovery	EPA 8260B	3/12/03
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	3/12/03

Approved By:  Joel Kiff



Report Number : 32083

Date : 3/18/03

Project Name : 230 W. MacArthur Blvd., Oakland

Project Number : 030310-DW-3

Sample : MW-3

Matrix : Water

Lab Number : 32083-03

Sample Date :3/10/03

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/13/03
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/13/03
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/13/03
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	3/13/03
Methyl-t-butyl ether (MTBE)	5.4	5.0	ug/L	EPA 8260B	3/13/03
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/13/03
Toluene - d8 (Surr)	96.2		% Recovery	EPA 8260B	3/13/03
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	3/13/03

Sample : MW-4

Matrix : Water

Lab Number : 32083-04

Sample Date :3/10/03

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	5.7	0.50	ug/L	EPA 8260B	3/16/03
Toluene	0.95	0.50	ug/L	EPA 8260B	3/16/03
Ethylbenzene	3.8	0.50	ug/L	EPA 8260B	3/16/03
Total Xylenes	0.63	0.50	ug/L	EPA 8260B	3/16/03
Methyl-t-butyl ether (MTBE)	1200	25	ug/L	EPA 8260B	3/13/03
TPH as Gasoline	2300	50	ug/L	EPA 8260B	3/16/03
Toluene - d8 (Surr)	97.7		% Recovery	EPA 8260B	3/16/03
4-Bromofluorobenzene (Surr)	98.1		% Recovery	EPA 8260B	3/16/03

Approved By:  Joel Kiff

**QC Report : Method Blank Data**

Project Name : **230 W. MacArthur Blvd., Oakland**


Project Number : **030310-DW-3**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/15/03
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/15/03
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/15/03
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	3/15/03
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	3/15/03
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/15/03
Toluene - d8 (Surr)	99.4		%	EPA 8260B	3/15/03
4-Bromofluorobenzene (Surr)	101		%	EPA 8260B	3/15/03

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/15/03
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/15/03
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/15/03
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	3/15/03
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	3/15/03
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/15/03
Toluene - d8 (Surr)	97.6		%	EPA 8260B	3/15/03
4-Bromofluorobenzene (Surr)	95.3		%	EPA 8260B	3/15/03

Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/12/03
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/12/03
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/12/03
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	3/12/03
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	3/12/03
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/12/03
Toluene - d8 (Surr)	96.4		%	EPA 8260B	3/12/03
4-Bromofluorobenzene (Surr)	104		%	EPA 8260B	3/12/03

Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/13/03
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/13/03
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/13/03
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	3/13/03
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	3/13/03
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/13/03
Toluene - d8 (Surr)	96.0		%	EPA 8260B	3/13/03
4-Bromofluorobenzene (Surr)	106		%	EPA 8260B	3/13/03

Approved By:  Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St. Suite 300 Davis, CA 95616 530-297-4800

Report Number : 32083


Date : 3/18/03

## QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : 230 W. MacArthur Blvd.,

Project Number : 030310-DW-3

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	32055-01	2.3	49.9	49.9	52.6	52.8	ug/L	EPA 8260B	3/15/03	101	101	0.520	70-130	25
Toluene	32055-01	4.6	49.9	49.9	54.7	54.4	ug/L	EPA 8260B	3/15/03	100	99.8	0.574	70-130	25
Tert-Butanol	32055-01	410	249	249	642	646	ug/L	EPA 8260B	3/15/03	93.9	95.4	1.56	70-130	25
Methyl-t-Butyl Ether	32055-01	370	49.9	49.9	405	404	ug/L	EPA 8260B	3/15/03	66.7	64.3	3.66	70-130	25
Benzene	32052-03	<0.50	40.0	40.0	38.7	38.0	ug/L	EPA 8260B	3/12/03	96.7	94.9	1.88	70-130	25
Toluene	32052-03	<0.50	40.0	40.0	38.2	37.6	ug/L	EPA 8260B	3/12/03	95.4	94.0	1.48	70-130	25
Tert-Butanol	32052-03	<5.0	200	200	201	197	ug/L	EPA 8260B	3/12/03	100	98.4	2.21	70-130	25
Methyl-t-Butyl Ether	32052-03	<0.50	40.0	40.0	38.9	38.3	ug/L	EPA 8260B	3/12/03	97.2	95.8	1.50	70-130	25
Benzene	32083-03	<0.50	40.0	40.0	38.6	37.0	ug/L	EPA 8260B	3/13/03	96.6	92.5	4.26	70-130	25
Toluene	32083-03	<0.50	40.0	40.0	37.6	36.4	ug/L	EPA 8260B	3/13/03	93.9	90.9	3.27	70-130	25
Tert-Butanol	32083-03	<5.0	200	200	195	195	ug/L	EPA 8260B	3/13/03	97.6	97.4	0.164	70-130	25
Methyl-t-Butyl Ether	32083-03	5.4	40.0	40.0	44.2	42.8	ug/L	EPA 8260B	3/13/03	97.0	93.7	3.49	70-130	25
Benzene	32145-01	<0.50	40.0	40.0	43.3	42.6	ug/L	EPA 8260B	3/15/03	108	107	1.56	70-130	25
Toluene	32145-01	<0.50	40.0	40.0	40.8	40.5	ug/L	EPA 8260B	3/15/03	102	101	0.615	70-130	25
Tert-Butanol	32145-01	<5.0	200	200	204	208	ug/L	EPA 8260B	3/15/03	102	104	1.93	70-130	25
Methyl-t-Butyl Ether	32145-01	<0.50	40.0	40.0	37.1	37.2	ug/L	EPA 8260B	3/15/03	92.8	93.0	0.296	70-130	25

Approved By:  Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

## QC Report : Laboratory Control Sample (LCS)

Project Name : 230 W. MacArthur Blvd.,

Project Number : 030310-DW-3

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	20.0	ug/L	EPA 8260B	3/15/03	101	70-130
Toluene	20.0	ug/L	EPA 8260B	3/15/03	100	70-130
Tert-Butanol	100	ug/L	EPA 8260B	3/15/03	93.7	70-130
Methyl-t-Butyl Ether	20.0	ug/L	EPA 8260B	3/15/03	95.6	70-130
Benzene	40.0	ug/L	EPA 8260B	3/12/03	94.6	70-130
Toluene	40.0	ug/L	EPA 8260B	3/12/03	93.7	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/12/03	95.1	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/12/03	96.5	70-130
Benzene	40.0	ug/L	EPA 8260B	3/13/03	91.3	70-130
Toluene	40.0	ug/L	EPA 8260B	3/13/03	90.2	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/13/03	92.4	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/13/03	90.8	70-130
Benzene	40.0	ug/L	EPA 8260B	3/15/03	109	70-130
Toluene	40.0	ug/L	EPA 8260B	3/15/03	103	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/15/03	104	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/15/03	91.4	70-130

KIFF ANALYTICAL, LLC

Approved By:  Joel Kiff



**CHIEF Chain of Custody Record**

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be Invoiced:

SCIENCE & ENGINEERING  
 TECHNICAL SERVICES  
 CRMT HOUSTON

Karen Petryna

**32083**

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 7 4 1

SAP or CRMT NUMBER (TS/CRMT)

DATE: **3-10-03**

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

SAMPLING COMPANY: <b>Blaine Tech Services</b>		LOG CODE: <b>BTSS</b>	SITE ADDRESS (Street and City): <b>230 W. MacArthur Blvd., Oakland</b>		GLOBAL ID NO.: <b>T0600101240</b>
ADDRESS: <b>1680 Rogers Avenue, San Jose, CA 95112</b>			EDF DELIVERABLE TO (Responsible Party or Designee): <b>Anni Kreml</b>	PHONE NO.: <b>(510) 420-3335</b>	E-MAIL: <b>ShellOaklandEDF@cambria-env.com</b>
PROJECT CONTACT (Hardcopy or PDF Report to): <b>Leon Gearhart</b>			CONSULTANT PROJECT NO.: <b>030310-0W3</b>		
TELEPHONE: <b>408-573-0555</b>	FAX: <b>408-573-7771</b>	E-MAIL: <b>lgearhart@blainetech.com</b>	SAMPLER NAME(S) (Print): <b>Dave Walter</b>		

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

LA - RWQCB REPORT FORMAT  UST AGENCY:

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

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

*Alameda County*  
**MAY 21 2003**  
*Environmental Health*

**REQUESTED ANALYSIS**

**FIELD NOTES:**

Container/Preservative  
or PID Readings  
or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (S) by (8260B)	Ethanol (8260B)	Methanol	EDB & 1,2-DCA (8260B)																								TEMPERATURE ON RECEIPT C°		
		DATE	TIME																																				
	MW-1	3-10	15:20	LW	3	X	X	X																														01	
	MW-2	3-10	15:56	↓	↓	X	X	X																														02	
	MW-3	↓	15:39	↓	↓	X	X	X																														03	
	MW-4	↓	16:14	↓	↓	X	X	X																														04	

Relinquished by: (Signature) <i>David C. Skalk</i>	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) <i>John Little/Kiff Analytical</i>	Date: <b>03/10/03</b>	Time: <b>1114</b>