

Alameda County

SEP 29 2005



Shell Oil Products US

Environmental Health

September 28, 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
461 8th Street
Oakland, California
SAP code 129453

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

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

Denis L. Brown
Project Manager

SEP 29 2005

C A M B R I A

Environmental Health

September 28, 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
461 8th Street
Oakland, California
SAP Code 129453
ACHCSA File: RO0000343



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 all site wells, sampled selected wells, and prepared a summary table of field gauging and laboratory analytical data. Cambria prepared a vicinity/area well 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.

Other Activities: In electronic correspondence with Alameda County Environmental Health (ACEH), the ACEH requested that well S-5 be properly destroyed and replaced since it was no longer to be accessed for monitoring. Further, the ACEH noted that site investigation activities were performed at the subject site on behalf of a prospective buyer of the property. ACEH asked why Shell has not been granted access to perform previously proposed onsite subsurface investigation work and what the status of the offsite investigation activities was. In an effort to gain access, Shell re-initiated communication with the attorney for the property owners regarding access, and has not received a response as of the date of this correspondence. Regarding the offsite investigations, all of the previously proposed borings have been attempted, and only one boring was successfully installed. The other locations met with drilling rig refusal and/or subsurface utility conflicts. These activities were documented in Cambria's December 16, 2003

**Cambria
Environmental
Technology, Inc.**

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

Subsurface Investigation Report.

ANTICIPATED FOURTH QUARTER 2005 ACTIVITIES

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

Other Activities: On behalf of Shell, Cambria will prepare a work plan to properly destroy well S-5. If another consultant successfully installed borings on the subject site and that data has been provided to ACEH, Cambria will request copies of that information or perform a file review in order to access that data. Shell will continue to request access to the subject site for subsurface investigation work. If no data is available from the site and access is not provided to that property, then Shell will propose installing two monitoring wells along 7th Street, downgradient of the site. A replacement well for S-5 within Broadway is not feasible due to multiple subsurface conflicts.



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.



Martha Murphy
Staff Geologist



Ana Friel
Senior Project Geologist
PG 6452

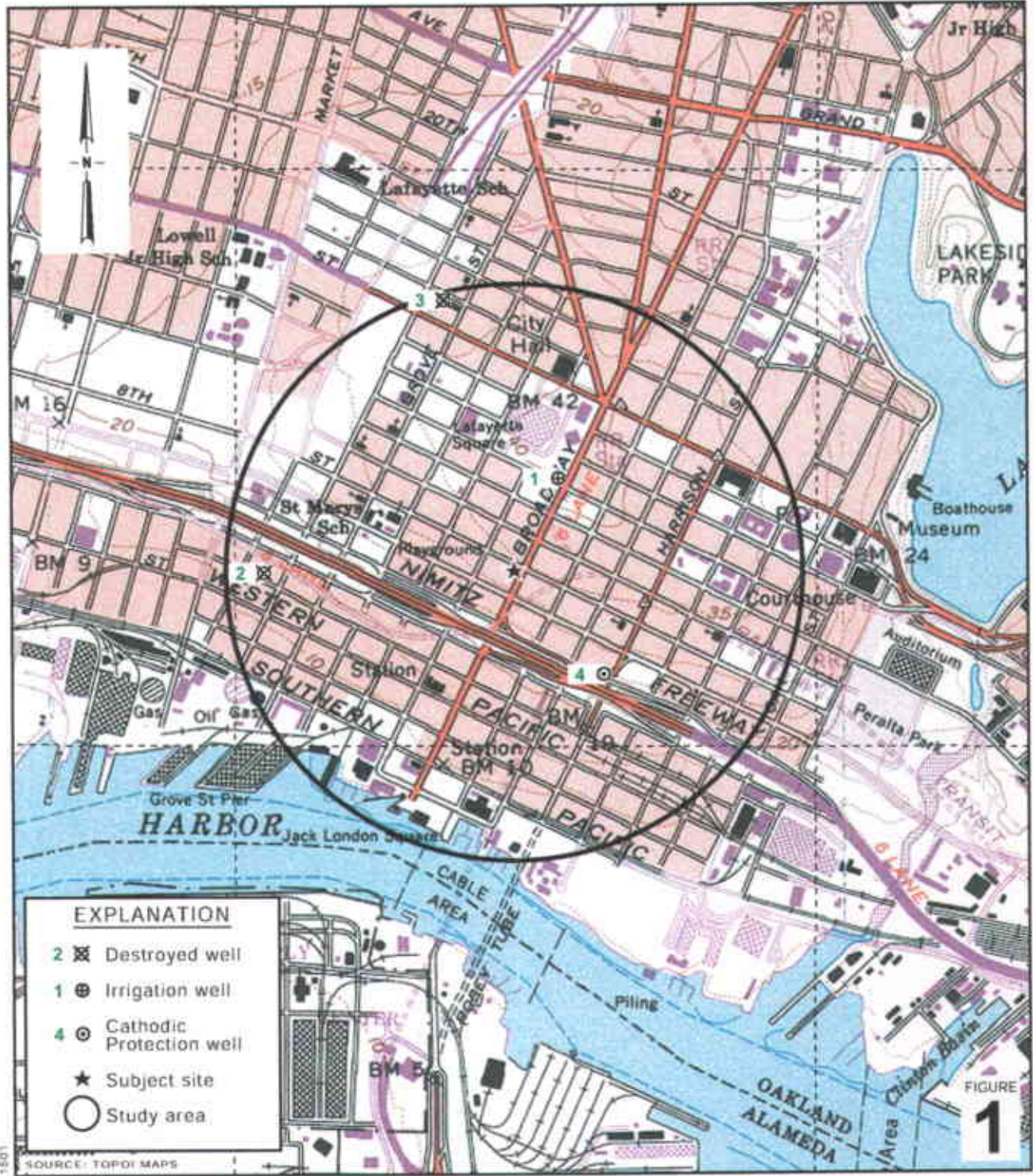


Attachments:

- Figure 1. Vicinity/Area Well Survey Map
- Figure 2. Groundwater Contour/Chemical Concentration Map

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

cc: Denis Brown, Shell
Rory Campbell, Hanson, Bridgett, Marcus, Vlahos, & Rudy
Wells Fargo Bank National Association, Tr. (Property Owners)
R. Casteel & Co.
Leroy Griffin, City of Oakland Fire Prevention Bureau





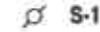
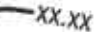










Former Shell Service Station
 461 8th Street
 Oakland, California



**Vicinity/Area Well
 Survey Map**

1/2 Mile Radius

EXPLANATION

-  Proposed soil boring location
-  S-4 Groundwater monitoring well
-  S-1 Abandoned monitoring well
-  XX.XX Groundwater elevation contour in feet referenced to mean sea level (ft msl).
-  Approximate groundwater flow direction
- 13.04** Groundwater elevation, in feet above msl
- (21,000)** Benzene concentrations in parts per billion (ppb)
- (<130)** MTBE concentrations in ppb
- (1.5/<0.50, 17-Jan-05)** Benzene/MTBE concentrations in ppb, date last sampled
- MH  Manhole
- FL = 16.50 Flow line depth below ground surface
-  Flow direction indicator
-  Underground BART line (B)
-  Storm Drain line (SD)
-  Water line (W)
-  Sanitary Sewer line (SS)
-  Pacific Bell line (T)
-  Gas line (G)
-  Electrical line (E)
- Approximate hydraulic gradient = 0.01

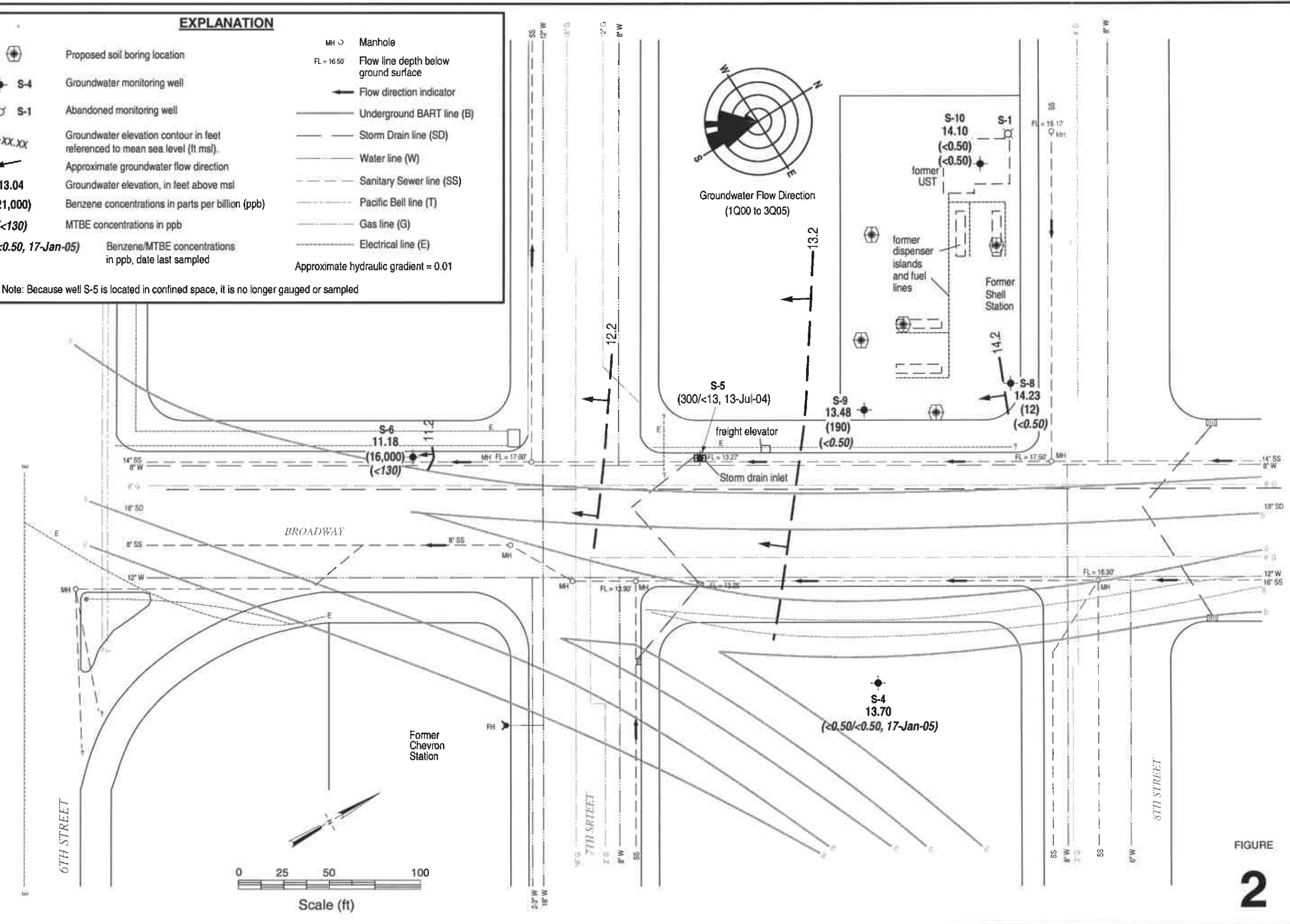


FIGURE
2

Appendix A
Blaine Tech Services, Inc.
Groundwater Monitoring Report

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

August 16, 2005

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

Third Quarter 2005 Groundwater Monitoring at
Former Shell Service Station
461 8th Street
Oakland, CA

Monitoring performed on July 28, 2005

Groundwater Monitoring Report 050728-PC-1

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
461 8th 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)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-4	10/26/1988	130	3.8	13	4.0	30	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA
S-4	02/14/1989	<50	0.5	<1	<1	3.0	NA	NA	NA	NA	NA	NA	93.51 (TOC)	12.82	80.69	NA
S-4	05/01/1989	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	16.48	77.03	NA
S-4	07/27/1989	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.84	77.67	NA
S-4	10/05/1989	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.98	77.53	NA
S-4	01/09/1990	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.86	77.65	NA
S-4	04/30/1990	<50	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.48	79.03	NA
S-4	07/31/1990	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA
S-4	10/30/1990	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA
S-4	05/06/1991	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.23	78.28	NA
S-4	06/27/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	93.51 (TOC)	13.54	79.97	NA
S-4	09/24/1991	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.85	77.66	NA
S-4	11/07/1991	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.60	77.91	NA
S-4	02/13/1992	<50	<0.5	<0.5	<0.5	3.0	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.27	79.24	NA
S-4	05/11/1992	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA
S-4	12/03/1992	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA
S-4	05/13/1993	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.81	78.70	NA
S-4	07/22/1993	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.42	79.09	NA
S-4	10/20/1993	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA
S-4	01/25/1994	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.60	78.91	NA
S-4	04/25/1994	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.39	79.12	NA
S-4	07/21/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	93.51 (TOC)	22.29	71.22	NA
S-4	10/24/1994	<500	<0.3	<0.3	<0.3	<0.6	NA	NA	NA	NA	NA	NA	93.51 (TOC)	22.72	70.79	NA
S-4	12/22/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	25.77*	22.25	3.52	NA
S-4	04/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	25.77	21.16	4.61	NA
S-4	10/04/1995	<50	1.2	0.7	<0.5	<0.5	NA	NA	NA	NA	NA	NA	25.77	22.25	3.52	NA
S-4	01/03/1996	<50	0.6	<0.5	<0.5	1.7	NA	NA	NA	NA	NA	NA	25.77	23.28	2.49	NA
S-4	04/11/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	25.77	21.58	4.19	NA

WELL CONCENTRATIONS
Former Shell Service Station
461 8th 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)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-4	07/11/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	25.77	21.60	4.17	NA
S-4	10/02/1996	<50	<0.50	<0.50	<0.50	<0.50	2.6	NA	NA	NA	NA	NA	25.77	22.46	3.31	NA
S-4	01/22/1997	<50	0.73	<0.50	<0.50	0.63	<2.5	NA	NA	NA	NA	NA	25.77	20.06	5.71	NA
S-4	07/21/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	25.77	22.10	3.67	NA
S-4	01/22/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	25.77	20.50	5.27	NA
S-4	07/08/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	25.77	20.86	4.91	NA
S-4	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.41	4.36	NA
S-4	01/28/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	25.77	22.34	3.43	NA
S-4	04/23/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.43	4.34	NA
S-4	07/29/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	25.77	21.45	4.32	NA
S-4	11/01/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	22.08	3.69	NA
S-4	01/07/2000	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	25.77	22.29	3.48	NA
S-4	04/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.11	4.66	NA
S-4	07/19/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	25.77	21.19	4.58	NA
S-4	10/12/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	22.22	3.55	NA
S-4	01/09/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	25.77	22.17	3.60	NA
S-4	04/06/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.50	4.27	NA
S-4	07/25/2001	<50	2.0	0.52	<0.50	1.0	NA	<5.0	NA	NA	NA	NA	25.77	21.50	4.27	NA
S-4	11/01/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.95	3.82	NA
S-4	01/17/2002 d	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	25.77	21.13	4.64	NA
S-4	05/08/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.35	4.42	NA
S-4	07/18/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	34.41	21.19	13.22	NA
S-4	10/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.42	12.99	NA
S-4	01/02/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	34.41	20.75	13.66	NA
S-4	04/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.08	13.33	NA
S-4	07/14/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	19.93	14.48	NA
S-4	10/20/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	19.56	14.85	NA
S-4	01/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	34.41	19.12	15.29	NA

WELL CONCENTRATIONS
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S-4	04/19/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	19.15	15.26	NA
S-4	07/13/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	20.48	13.93	NA
S-4	10/28/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.00	13.41	NA
S-4	01/17/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	34.41	20.17	14.24	NA
S-4	04/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	19.82	14.59	NA
S-4	07/28/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	20.71	13.70	NA
S-5	04/16/1987	130000	15000	16000	NA	14000a	NA	NA	NA	NA	NA	NA	99.36 (TOC)	NA	NA	NA
S-5	10/26/1988	110000	20000	25000	2300	10000	NA	NA	NA	NA	NA	NA	99.36 (TOC)	NA	NA	NA
S-5	02/14/1989	94000	16000	21000	1800	10000	NA	NA	NA	NA	NA	NA	99.36 (TOC)	19.87	79.49	NA
S-5	05/01/1989	120000	29000	35000	3100	15000	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.23	78.13	NA
S-5	07/27/1989	110000	20000	29000	2400	14000	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.41	78.95	NA
S-5	10/05/1989	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.43	78.94	0.01
S-5	01/09/1990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.16	78.21	0.01
S-5	04/30/1990	100000	13000	22000	2100	11000	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.96	78.40	NA
S-5	07/31/1990	53000	8300	14000	1200	7400	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.88	78.48	NA
S-5	10/30/1990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.96	77.42	0.03
S-5	05/06/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	23.00	76.46	0.13
S-5	06/27/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.53	78.85	0.03
S-5	09/24/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.40	78.01	0.06
S-5	11/07/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.33	78.23	0.25
S-5	02/13/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.52	77.09	0.31
S-5	05/11/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.46	77.36	0.58
S-5	12/03/1992	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	NA	NA	NA
S-5	05/13/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.22	77.36	0.27
S-5	07/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.68	77.88	0.25
S-5	10/20/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.51	79.03	0.23
S-5	01/25/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.93	77.57	0.18

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S-5	04/25/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.97	77.67	0.35
S-5	05/26/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.84	78.80	0.35
S-5	06/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.01	78.61	0.32
S-5	07/21/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.18	77.56	0.47
S-5	08/25/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.01	77.70	0.44
S-5	09/22/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.00	77.48	0.15
S-5	10/24/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.28	77.53	0.56
S-5	12/22/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94*	22.88	0.85	0.99
S-5	04/20/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	21.66	1.54	0.33
S-5	10/04/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	22.18	0.76	NA
S-5	01/03/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	22.80	0.80	0.83
S-5	04/11/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	21.15	2.33	0.67
S-5	07/11/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	22.62	1.04	0.90
S-5	10/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	23.07	0.38	0.64
S-5	01/22/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	20.83	2.24	0.16
S-5	07/21/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	21.16	1.82	0.05
S-5	01/22/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	20.04	2.93	0.04
S-5	07/08/1998	220	14	40	5.8	34	3.3	NA	NA	NA	NA	NA	22.94	18.61	4.33	NA
S-5	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	17.31	5.63	NA
S-5	01/28/1999	51000	13000	1200	1200	2400	2400	NA	NA	NA	NA	NA	22.94	20.11	2.83	NA
S-5	04/23/1999	65600	2540	7300	1790	9840	<1000	NA	NA	NA	NA	NA	22.94	19.21	3.73	NA
S-5	07/29/1999	61400	3320	6980	1520	7700	<1000	NA	NA	NA	NA	NA	22.94	14.77	8.17	NA
S-5	11/01/1999	48200	2700	5740	1290	7850	<500	<40.0	NA	NA	NA	NA	22.94	15.56	7.38	NA
S-5	01/07/2000	39000	3900	8500	790	8300	1500	NA	NA	NA	NA	NA	22.94	15.82	7.12	NA
S-5	04/11/2000	29300	1680	5060	1130	6220	<250	NA	NA	NA	NA	NA	22.94	18.19	4.75	NA
S-5	07/19/2000	6420	2110	207	252	681	355	253b	NA	NA	NA	NA	22.94	19.01	3.93	NA
S-5	10/12/2000	41500	2940	4940	1520	7770	<250	<66.7	NA	NA	NA	NA	22.94	19.62	3.32	NA
S-5	01/09/2001	142000	7030	9550	2340	12600	779	NA	NA	NA	NA	NA	22.94	19.94	3.00	NA

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S-5	04/06/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	NA	NA	NA
S-5	04/13/2001	59800	4810	10800	1950	10100	842	<10.0	NA	NA	NA	NA	22.94	14.72	8.22	NA
S-5	07/25/2001	71000	2900	6800	1700	9100	NA	<250	NA	NA	NA	NA	22.94	14.91	8.03	NA
S-5	08/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	19.43	3.51	NA
S-5	11/01/2001	Unable to locate		NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	NA	NA	NA
S-5	01/17/2002 d	58000	460	3300	1900	8400	NA	<200	NA	NA	NA	NA	c	14.27	NA	NA
S-5	05/08/2002 d	60000	650	2700	1800	8800	NA	<100	NA	NA	NA	NA	22.94	18.40	4.54	NA
S-5	07/18/2002	53000	240	1200	1500	6400	NA	<100	NA	NA	NA	NA	27.36	14.25	13.11	NA
S-5	10/15/2002	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	27.36	NA	NA	NA
S-5	10/17/2002	42000	420	1100	1200	5500	NA	<10	NA	NA	NA	NA	27.36	14.90	12.46	NA
S-5	01/02/2003	26000	680	1500	780	3800	NA	<5.0	NA	NA	NA	NA	27.36	14.72	12.64	NA
S-5	04/15/2003	3600	29	38	65	370	NA	<5.0	NA	NA	NA	NA	e	14.45	NA	NA
S-5	07/14/2003	21000	210	460	650	2900	NA	<10	NA	NA	NA	NA	e	14.10	NA	NA
S-5	10/20/2003	37000	390	590	870	3500	NA	<13	NA	NA	NA	NA	e	14.63	NA	NA
S-5	01/22/2004	29000	200	210	710	2400	NA	<13	NA	NA	NA	NA	e	14.08	NA	NA
S-5	04/19/2004	25000	490	460	750	2400	NA	19	NA	NA	NA	NA	e	13.43	NA	NA
S-5	07/13/2004	28000	300	280	690	2400	NA	<13	NA	NA	NA	NA	e	14.88	NA	NA
S-6	04/16/1987	81000	16000	9000	NA	6400a	NA	NA	NA	NA	NA	NA	100.58 (TOC)	NA	NA	NA
S-6	10/26/1988	110000	29000	18000	2500	8200	NA	NA	NA	NA	NA	NA	100.58 (TOC)	NA	NA	NA
S-6	02/14/1989	54000	18000	4500	1400	4000	NA	NA	NA	NA	NA	NA	100.58 (TOC)	20.87	79.71	NA
S-6	05/01/1989	93000	43000	9900	3000	8000	NA	NA	NA	NA	NA	NA	100.58 (TOC)	20.49	80.09	NA
S-6	07/27/1989	52000	20000	3200	1700	5500	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.01	79.57	NA
S-6	10/05/1989	55000	20000	2900	1600	5500	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.24	79.34	NA
S-6	01/09/1990	76000	35000	9100	2300	8600	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.62	77.96	SHEEN
S-6	04/30/1990	39000	13000	2300	900	2800	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.10	78.48	NA
S-6	07/31/1990	48000	20000	4600	1500	4900	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.00	78.58	NA
S-6	10/30/1990	27000	7400	900	600	1400	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.14	78.44	NA

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S-6	05/06/1991	35000	3900	2700	2300	3500	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.40	78.18	NA
S-6	06/27/1991	51000	19000	5600	1700	6300	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.21	79.37	NA
S-6	09/24/1991	42000	14000	4300	1200	4000	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.26	78.32	NA
S-6	11/07/1991	39000	11000	2000	800	2300	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.35	78.23	NA
S-6	02/13/1992	64000	21000	6200	1600	5100	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.28	78.30	NA
S-6	05/11/1992	57000	22000	7600	2200	7700	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.10	78.48	NA
S-6	12/03/1992	110000	26000	9400	2100	8700	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.14	78.44	NA
S-6	05/13/1993	58000	21000	6800	2500	9800	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.16	78.42	NA
S-6	07/22/1993	70000	31000	14000	3000	13000	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.64	78.94	NA
S-6	10/20/1993	48000	28000	9800	3200	12000	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.62	78.96	NA
S-6	01/25/1994	70000	23000	7500	2500	8000	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.80	78.78	NA
S-6	04/25/1994	61000	16000	4000	1800	5100	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.68	78.90	NA
S-6	07/21/1994	44000	8200	3600	1400	3900	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.78	78.80	NA
S-6 (D)	07/21/1994	32000	7800	3400	1300	3700	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA
S-6	10/24/1994	2936	1184	440.6	163	648.4	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.06	78.52	NA
S-6 (D)	10/24/1994	2968	770.8	325.3	144	622	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA
S-6	12/22/1994	32000	7000	2900	790	2400	NA	NA	NA	NA	NA	NA	22.08*	21.91	0.17	NA
S-6 (D)	12/22/1994	32000	8000	3800	1100	3400	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA
S-6	04/20/1995	56000	15000	3800	1900	4900	NA	NA	NA	NA	NA	NA	22.08	21.38	0.70	NA
S-6 (D)	04/20/1995	49000	13000	3500	1800	4700	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA
S-6	10/04/1995	49000	8400	4700	1800	4800	NA	NA	NA	NA	NA	NA	22.08	21.80	0.28	NA
S-6 (D)	10/04/1995	41000	8400	4100	1400	4400	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA
S-6	01/03/1996	52000	9100	7100	1800	5800	NA	NA	NA	NA	NA	NA	22.08	21.70	0.38	NA
S-6	04/11/1996	59000	11000	7100	2100	6400	<500	NA	NA	NA	NA	NA	22.08	21.62	0.46	NA
S-6 (D)	04/11/1996	59000	11000	6800	1900	6400	<500	NA	NA	NA	NA	NA	22.08	NA	NA	NA
S-6	07/11/1996	72000	18000	6600	2500	8400	<1000	NA	NA	NA	NA	NA	22.08	21.65	2.78	NA
S-6	10/02/1996	57000	11000	6500	1500	5100	<500	NA	NA	NA	NA	NA	22.08	21.80	2.63	NA
S-6	01/22/1997	67000	15000	5000	1800	5400	<1000	NA	NA	NA	NA	NA	22.08	19.95	2.13	NA

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S-6 (D)	01/22/1997	63000	15000	4800	1800	5200	<1000	NA	NA	NA	NA	NA	22.08	NA	NA	NA
S-6	07/21/1997	61000	15000	2100	1100	3500	1900	NA	NA	NA	NA	NA	22.08	20.61	1.47	NA
S-6	01/22/1998	46000	14000	3200	1300	3400	<500	NA	NA	NA	NA	NA	22.08	19.82	2.26	NA
S-6	07/08/1998	74000	26000	7500	2200	6200	<1000	NA	NA	NA	NA	NA	22.08	18.20	3.88	NA
S-6	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.08	18.81	3.27	NA
S-6	01/28/1999	120000	9000	14000	2700	14000	3700	NA	NA	NA	NA	NA	22.08	19.73	2.35	NA
S-6	04/23/1999	58500	15900	1360	1640	3030	<2500	NA	NA	NA	NA	NA	22.08	17.58	4.50	NA
S-6	07/29/1999	36200	10300	760	930	1360	<1000	NA	NA	NA	NA	NA	22.08	21.35	0.73	NA
S-6	11/01/1999	36000	11700	767	865	1670	<1250	<40.0	NA	NA	NA	NA	22.08	19.23	2.85	NA
S-6	01/07/2000	36000	7600	4600	840	3600	<1000	NA	NA	NA	NA	NA	22.08	19.53	2.55	NA
S-6	04/11/2000	14600	7540	205	306	609	621	NA	NA	NA	NA	NA	22.08	18.16	3.92	NA
S-6	07/19/2000	2590	629	63.9	99.6	267	124	72.7b	NA	NA	NA	NA	22.08	18.40	3.68	NA
S-6	10/12/2000	32900	14200	966	1060	1790	<500	<100	NA	NA	NA	NA	22.08	19.52	2.56	NA
S-6	01/09/2001	27600	11200	675	666	1580	1430	<10.0b	NA	NA	NA	NA	22.08	19.69	2.39	NA
S-6	02/05/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.08	19.20	2.88	NA
S-6	04/06/2001	16900	7800	343	172	966	809	<20.0	NA	NA	NA	NA	22.08	18.25	3.83	NA
S-6	07/25/2001	29000	9800	1700	1000	1800	NA	<250	NA	NA	NA	NA	22.08	18.27	3.81	NA
S-6	11/01/2001	41000	15000	2400	1100	2500	NA	<500	NA	NA	NA	NA	22.08	19.30	2.78	NA
S-6	01/17/2002 d	38000	11000	1700	990	2200	NA	<500	NA	NA	NA	NA	22.08	18.51	3.57	NA
S-6	05/08/2002	72000	21000	4400	2200	5300	NA	<1000	NA	NA	NA	NA	22.08	18.30	3.78	NA
S-6	07/18/2002	71000	17000	4300	1700	4800	NA	<1000	NA	NA	NA	NA	30.56	18.19	12.37	NA
S-6	10/15/2002	55000	16000	4600	1500	4600	NA	<100	NA	NA	NA	NA	30.56	18.77	11.79	NA
S-6	01/02/2003	75000	21000	5000	2400	6400	NA	<50	NA	NA	NA	NA	30.56	18.60	11.96	NA
S-6	04/15/2003	64000	29000	6400	2700	5600	NA	<1000	NA	NA	NA	NA	30.56	18.27	12.29	NA
S-6	07/14/2003	47000	19000	4300	1500	4300	NA	<100	NA	NA	NA	NA	30.56	18.05	12.51	NA
S-6	10/20/2003	63000	21000	5800	1900	5200	NA	<130	NA	NA	NA	NA	30.56	18.55	12.01	f
S-6	01/22/2004	41000	21000	4300	1800	4000	NA	<130	NA	NA	NA	NA	30.56	18.18	12.38	f
S-6	04/19/2004	58000	23000	4200	2200	3900	NA	<130	NA	NA	NA	NA	30.56	17.32	13.24	NA

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S-6	05/03/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.56	17.30	13.26	NA
S-6	06/17/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.56	17.70	12.86	NA
S-6	07/13/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.56	17.85	12.71	NA
S-6	10/28/2004 g	45000	21000	3600	1700	3300	NA	<130	NA	NA	NA	NA	30.56	18.45	12.11	NA
S-6	01/17/2005	61000	21000	3500	1600	3200	NA	<130	NA	NA	NA	NA	30.56	17.52	13.04	NA
S-6	04/14/2005	36000	12000	6200	850	4800	NA	<50	NA	NA	NA	NA	30.56	22.49	8.07	NA
S-6	07/28/2005	54000	16000	9100	1800	5900	NA	<130	NA	NA	NA	NA	30.56	19.38	11.18	NA
S-8	12/22/1994	600	120	32	5.2	34	NA	NA	NA	NA	NA	NA	27.21	24.87	2.34	NA
S-8	04/20/1995	460	180	23	5.2	21	NA	NA	NA	NA	NA	NA	27.21	23.90	3.31	NA
S-8	10/04/1995	830	210	38	11	42	NA	NA	NA	NA	NA	NA	27.21	24.48	2.73	NA
S-8	01/03/1996	350	61	12	2.5	12	NA	NA	NA	NA	NA	NA	27.21	24.62	2.59	NA
S-8 (D)	01/03/1996	340	54	12	2.4	12	NA	NA	NA	NA	NA	NA	27.21	NA	NA	NA
S-8	04/11/1996	570	140	37	12	47	<6.2	NA	NA	NA	NA	NA	27.21	24.32	2.89	NA
S-8	07/11/1996	980	98	32	9.1	160	<12	NA	NA	NA	NA	NA	27.21	24.10	3.11	NA
S-8	10/02/1996	280	62	13	3.3	25	15	NA	NA	NA	NA	NA	27.21	25.38	1.83	NA
S-8 (D)	10/02/1996	490	110	24	7.0	45	22	<2.0	NA	NA	NA	NA	27.21	NA	NA	NA
S-8	01/22/1997	400	90	13	4.9	25	12	NA	NA	NA	NA	NA	27.21	23.91	3.30	NA
S-8	07/21/1997	2900	380	110	26	260	85	NA	NA	NA	NA	NA	27.21	23.62	3.59	NA
S-8 (D)	07/21/1997	3200	420	120	32	300	130	NA	NA	NA	NA	NA	27.21	NA	NA	NA
S-8	01/22/1998	3800	790	140	42	330	160	NA	NA	NA	NA	NA	27.21	23.52	3.69	NA
S-8 (D)	01/22/1998	3500	780	120	33	300	160	NA	NA	NA	NA	NA	27.21	NA	NA	NA
S-8	07/08/1998	3600	1800	<25	<25	<25	<125	NA	NA	NA	NA	NA	27.21	21.52	5.69	NA
S-8 (D)	07/08/1998	4000	1800	<25	<25	31	<125	NA	NA	NA	NA	NA	27.21	NA	NA	NA
S-8	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	27.21	22.01	5.20	NA
S-8	01/28/1999	2000	630	6.2	24	51	43	NA	NA	NA	NA	NA	27.21	23.03	4.18	NA
S-8	04/23/1999	1050	408	<5.00	<5.00	6.65	<50.0	NA	NA	NA	NA	NA	27.21	22.15	5.06	NA
S-8	07/29/1999	955	344	<2.50	6.90	16.2	<25.0	NA	NA	NA	NA	NA	27.21	21.95	5.26	NA

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S-8	11/01/1999	1800	550	6.45	15	40.4	<50.0	NA	NA	NA	NA	NA	27.21	22.55	4.66	NA
S-8	01/07/2000	1300	600	11	29	48	<13	NA	NA	NA	NA	NA	27.21	22.87	4.34	NA
S-8	04/11/2000	342	101	4.42	4.24	14.7	21.4	NA	NA	NA	NA	NA	27.21	21.86	5.35	NA
S-8	07/19/2000	579	228	6.37	6.45	25.0	<12.5	NA	NA	NA	NA	NA	27.21	21.93	5.28	NA
S-8	10/12/2000	947	340	8.64	3.26	38.3	<12.5	<2.00	NA	NA	NA	NA	27.21	22.92	4.29	NA
S-8	01/09/2001	1090	394	<10.0	<10.0	33.3	57.6	NA	NA	NA	NA	NA	27.21	23.19	4.02	NA
S-8	04/06/2001	671	182	12.5	16.4	47.1	42.5	NA	NA	NA	NA	NA	27.21	22.46	4.75	NA
S-8	07/25/2001	500	70	6.7	11	23	NA	<5.0	NA	NA	NA	NA	27.21	22.50	4.71	NA
S-8	11/01/2001	1900	250	28	39	180	NA	<5.0	NA	NA	NA	NA	27.21	22.44	4.77	NA
S-8	01/17/2002 d	830	140	11	12	89	NA	<5.0	NA	NA	NA	NA	27.21	21.82	5.39	NA
S-8	05/08/2002 d	210	34	1.7	4.1	15	NA	<5.0	NA	NA	NA	NA	27.21	21.35	5.86	NA
S-8	07/18/2002	650	68	2.8	9.7	42	NA	<5.0	NA	NA	NA	NA	35.85	21.53	14.32	NA
S-8	10/15/2002	1000	160	4.2	7.7	74	NA	<0.50	NA	NA	NA	NA	35.85	21.97	13.88	NA
S-8	01/02/2003	440	55	1.8	2.9	31	NA	<0.50	NA	NA	NA	NA	35.85	21.95	13.90	NA
S-8	04/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	21.73	14.12	NA
S-8	07/14/2003	60	6.8	<0.50	0.98	4.9	NA	<0.50	NA	NA	NA	NA	35.85	21.40	14.45	NA
S-8	10/20/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	21.94	13.91	NA
S-8	01/22/2004	210	19	0.52	3.6	17	NA	<0.50	NA	NA	NA	NA	35.85	21.40	14.45	NA
S-8	04/19/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	20.83	15.02	NA
S-8	07/13/2004	420	77	0.82	14	31	NA	<0.50	NA	NA	NA	NA	35.85	21.05	14.80	NA
S-8	10/28/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	21.77	14.08	NA
S-8	01/17/2005	490	85	0.89	13	28	NA	<0.50	NA	NA	NA	NA	35.85	20.92	14.93	NA
S-8	04/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	21.57	14.28	NA
S-8	07/28/2005	64	12	<0.50	1.5	1.6	NA	<0.50	NA	NA	NA	NA	35.85	21.62	14.23	NA
S-9	12/22/1994	2600	400	150	42	310	NA	NA	NA	NA	NA	NA	26.06	24.37	1.69	NA
S-9	04/20/1995	1900	400	130	51	200	NA	NA	NA	NA	NA	NA	26.06	23.49	2.57	NA
S-9	10/04/1995	3200	590	260	68	280	NA	NA	NA	NA	NA	NA	26.06	24.01	2.05	NA

WELL CONCENTRATIONS
Former Shell Service Station
461 8th 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)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-9	01/03/1996	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA
S-9	04/11/1996	2100	440	1500	42	210	<25	NA	NA	NA	NA	NA	26.06	23.61	2.45	NA
S-9	07/11/1996	5200	940	450	120	520	<50	NA	NA	NA	NA	NA	26.06	23.78	2.28	NA
S-9 (D)	07/11/1996	4800	890	430	110	500	<50	NA	NA	NA	NA	NA	26.06	NA	NA	NA
S-9	10/02/1996	3000	680	220	56	270	<62	NA	NA	NA	NA	NA	26.06	24.31	1.75	NA
S-9	01/22/1997	1500	230	71	36	130	<12	NA	NA	NA	NA	NA	26.06	23.08	2.98	NA
S-9	07/21/1997	3400	590	57	19	210	96	NA	NA	NA	NA	NA	26.06	22.83	3.23	NA
S-9	01/22/1998	2600	300	46	<10	270	62	NA	NA	NA	NA	NA	26.06	21.96	4.10	NA
S-9	07/08/1998	820	150	6.2	8	57	<10	NA	NA	NA	NA	NA	26.06	20.85	5.21	NA
S-9	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.39	4.67	NA
S-9	01/28/1999	<50	1.0	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	26.06	22.32	3.74	NA
S-9	04/23/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.41	4.65	NA
S-9	07/29/1999	117	7.77	0.817	0.683	5.05	<5.00	NA	NA	NA	NA	NA	26.06	21.25	4.81	NA
S-9	11/01/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.92	4.14	NA
S-9	01/07/2000	<50	1.2	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	26.06	22.11	3.95	NA
S-9	04/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.14	4.92	NA
S-9	07/19/2000	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA
S-9	10/12/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	22.24	3.82	NA
S-9	01/09/2001	<50.0	1.45	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	26.06	22.52	3.54	NA
S-9	04/06/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	23.61	2.45	NA
S-9	07/25/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA
S-9	08/13/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA
S-9	11/01/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.78	4.28	NA
S-9	01/17/2002 d	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	26.06	21.15	4.91	NA
S-9	05/08/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	20.56	5.50	NA
S-9	07/18/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	34.70	20.88	13.82	NA
S-9	10/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.41	13.29	NA
S-9	01/02/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	34.70	21.35	13.35	NA

WELL CONCENTRATIONS
Former Shell Service Station
461 8th 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)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-9	04/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.14	13.56	NA
S-9	07/14/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	34.70	20.80	13.90	NA
S-9	10/20/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.33	13.37	NA
S-9	01/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	34.70	20.77	13.93	NA
S-9	04/19/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	20.06	14.64	NA
S-9	07/13/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	34.70	20.44	14.26	NA
S-9	10/28/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.02	13.68	NA
S-9	01/17/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	34.70	20.18	14.52	NA
S-9	04/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.85	12.85	NA
S-9	07/28/2005	360	190	1.8	1.1	3.9	NA	<0.50	<2.0	<2.0	<2.0	<5.0	34.70	21.22	13.48	NA
S-10	12/22/1994	420	27	8.0	18	45	NA	NA	NA	NA	NA	NA	28.04	25.84	2.20	NA
S-10	04/20/1995	820	49	3.7	97	52	NA	NA	NA	NA	NA	NA	28.04	24.92	3.12	NA
S-10	10/04/1995	240	6.5	1.1	16	12	NA	NA	NA	NA	NA	NA	28.04	25.47	2.57	NA
S-10	01/03/1996	1100	27	4.9	110	70	NA	NA	NA	NA	NA	NA	28.04	25.60	2.44	NA
S-10	04/11/1996	530	19	1.6	82	52	<5.0	NA	NA	NA	NA	NA	28.04	25.27	2.77	NA
S-10	07/11/1996	570	16	3.2	53	53	<2.5	NA	NA	NA	NA	NA	28.04	25.46	2.58	NA
S-10	10/02/1996	270	8.2	0.77	24	23	3.3	NA	NA	NA	NA	NA	28.04	25.81	2.23	NA
S-10	01/22/1997	160	4.8	0.73	16	11	<2.5	NA	NA	NA	NA	NA	28.04	24.74	3.30	NA
S-10	07/21/1997	530	5.7	0.70	29	69	<2.5	NA	NA	NA	NA	NA	28.04	24.50	3.54	NA
S-10	01/22/1998	1500	15	<5.0	88	130	<25	NA	NA	NA	NA	NA	28.04	24.44	3.60	NA
S-10	07/08/1998	530	4.8	1.1	47	51	<2.5	NA	NA	NA	NA	NA	28.04	22.36	5.68	NA
S-10	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	22.81	5.23	NA
S-10	01/28/1999	630	4.6	0.98	<0.50	59	<2.5	NA	NA	NA	NA	NA	28.04	23.82	4.22	NA
S-10	04/23/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	22.96	5.08	NA
S-10	07/29/1999	728	3.40	<1.00	41.8	38.0	<10.0	NA	NA	NA	NA	NA	28.04	22.63	5.41	NA
S-10	11/01/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	23.02	5.02	NA
S-10	01/07/2000	870	8.5	1.3	110	110	<2.5	NA	NA	NA	NA	NA	28.04	23.33	4.71	NA

WELL CONCENTRATIONS
Former Shell Service Station
461 8th 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)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-10	04/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	22.64	5.40	NA
S-10	07/19/2000	612	3.75	<0.500	41.6	43.6	<2.50	NA	NA	NA	NA	NA	28.04	23.04	5.00	NA
S-10	10/12/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	23.92	4.12	NA
S-10	01/09/2001	647	7.62	1.01	66.2	42.4	<2.50	NA	NA	NA	NA	NA	28.04	24.13	3.91	NA
S-10	04/06/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	25.37	2.67	NA
S-10	07/25/2001	340	1.5	<0.50	42	19	NA	<5.0	NA	NA	NA	NA	28.04	25.35	2.69	NA
S-10	11/01/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	23.22	4.82	NA
S-10	01/17/2002 d	1100	3.5	<0.50	55	46	NA	<5.0	NA	NA	NA	NA	28.04	22.72	5.32	NA
S-10	05/08/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	22.35	5.69	NA
S-10	07/18/2002	750	1.8	<0.50	42	26	NA	<5.0	NA	NA	NA	NA	36.35	22.05	14.30	NA
S-10	10/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.51	13.84	NA
S-10	01/02/2003	440	1.8	<0.50	14	24	NA	<5.0	NA	NA	NA	NA	36.35	22.50	13.85	NA
S-10	04/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.32	14.03	NA
S-10	07/14/2003	210	0.86	<0.50	13	12	NA	<0.50	NA	NA	NA	NA	36.35	21.99	14.36	NA
S-10	10/20/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.53	13.82	NA
S-10	01/22/2004	280	0.88	<0.50	10	11	NA	<0.50	NA	NA	NA	NA	36.35	22.02	14.33	NA
S-10	04/19/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	21.43	14.92	NA
S-10	07/13/2004	770	1.5	<0.50	70	42	NA	<0.50	NA	NA	NA	NA	36.35	21.68	14.67	NA
S-10	10/28/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.37	13.98	NA
S-10	01/17/2005	1100	1.5	<0.50	73	51	NA	<0.50	NA	NA	NA	NA	36.35	21.45	14.90	NA
S-10	04/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.18	14.17	NA
S-10	07/28/2005	260	<0.50	<0.50	19	9.7	NA	<0.50	<2.0	<2.0	<2.0	<5.0	36.35	22.25	14.10	NA

WELL CONCENTRATIONS
Former Shell Service Station
461 8th 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)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
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Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to July 25, 2001, analyzed by EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to July 25, 2001, analyzed by EPA Method 8020.

MTBE = Methyl tertiary butyl ether

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

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

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

TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260B.

TOC = Top of Casing Elevation

TOB = Top of Wellbox Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

ug/L = Parts per billion

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

(D) = Duplicate sample

NA = Not applicable

WELL CONCENTRATIONS
Former Shell Service Station
461 8th 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)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
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Notes:

a = Ethylbenzene and xylenes combined.

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

c = Depth to water measured from Top of Casing; elevation unknown.

d = Grab sampled.

e = Casing broken; Top of Casing elevation unknown.

f = SPH detected at <0.01 feet.

g = S-6 was purged prior to sampling.

* = Prior to December 22, 1994, well elevations taken from Top of Casing.

Beginning July 18, 2002, well elevations taken from Top of Casing.

Site surveyed March 5, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

Blaine Tech Services, Inc.

August 15, 2005

1680 Rogers Avenue
San Jose, CA 95112-1105
Attn.: Leon Gearhart
Project#: BTS#050728-PC1
Project: 97093399
Site: 461 8th Street, Oakland

Dear Mr. Gearhart,

Attached is our report for your samples received on 07/29/2005 13:51

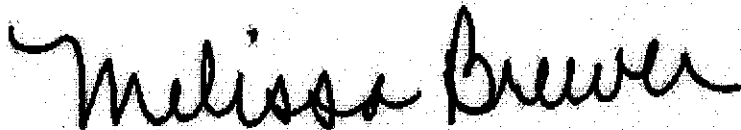
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 09/12/2005 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

Sincerely,



Melissa Brewer
Project Manager

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: BTS#050728-PC1
97093399

Received: 07/29/2005 13:51

Site: 461 8th Street, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
S-8	07/28/2005 08:15	Water	1
S-9	07/28/2005 08:26	Water	2
S-10	07/28/2005 08:40	Water	3
S-6	07/28/2005 09:00	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: BTS#050728-PC1
97093399

Received: 07/29/2005 13:51

Site: 461 8th Street, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: 516	Lab ID: 2005-08-0019
Sampled: 07/28/2005 08:15	Extracted: 8/3/2005 10:22
Matrix: Water	QC Batch#: 2005/08/08-25-65
pH <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	64	50	ug/L	1.00	08/08/2005 19:22	
Benzene	12	0.50	ug/L	1.00	08/08/2005 19:22	
Toluene	ND	0.50	ug/L	1.00	08/08/2005 19:22	
Ethylbenzene	1.5	0.50	ug/L	1.00	08/08/2005 19:22	
Total xylenes	1.6	1.0	ug/L	1.00	08/08/2005 19:22	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/08/2005 19:22	
Surrogate(s)						
1,2-Dichloroethane-d4	105.1	73-130	%	1.00	08/08/2005 19:22	
Toluene-d8	98.5	81-114	%	1.00	08/08/2005 19:22	

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: BTS#050728-PC1
97093399

Received: 07/29/2005 13:51

Site: 461 8th Street, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: B-9	Lab ID: 2005-08-0019
Sampled: 07/28/2005 08:26	Extracted: 8/11/2005 16:24 8/11/2005 17:34
Matrix: Water	QC Batch#: 2005/08/11 1A-68 2005/08/11 1B-68
pH: 7.2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	360	50	ug/L	1.00	08/11/2005 16:24	
Benzene	190	0.50	ug/L	1.00	08/11/2005 16:24	
Toluene	1.8	0.50	ug/L	1.00	08/11/2005 16:24	
Ethylbenzene	1.1	0.50	ug/L	1.00	08/11/2005 16:24	
Total xylenes	3.9	1.0	ug/L	1.00	08/11/2005 16:24	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/11/2005 16:24	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/11/2005 16:24	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	08/11/2005 17:34	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	08/11/2005 16:24	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/11/2005 16:24	
Surrogate(s)						
1,2-Dichloroethane-d4	103.1	73-130	%	1.00	08/11/2005 16:24	
1,2-Dichloroethane-d4	114.9	73-130	%	1.00	08/11/2005 17:34	
Toluene-d8	96.8	81-114	%	1.00	08/11/2005 16:24	
Toluene-d8	100.0	81-114	%	1.00	08/11/2005 17:34	

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: BTS#050728-PC1
97093399

Received: 07/29/2005 13:51

Site: 461 8th Street, Oakland

Prep(s):	5080B	Test(s):	8260B
Sample ID:	S-10	Lab ID:	2005-08-0019
Sampled:	07/28/2005 08:00	Extracted:	8/11/2005 16:50 8/11/2005 18:00
Matrix:	Water	GC Batch#:	2005/08/11/1A/65 2005/08/11/1A/68
pH:	<2		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	260	50	ug/L	1.00	08/11/2005 16:50	
Benzene	ND	0.50	ug/L	1.00	08/11/2005 16:50	
Toluene	ND	0.50	ug/L	1.00	08/11/2005 16:50	
Ethylbenzene	19	0.50	ug/L	1.00	08/11/2005 16:50	
Total xylenes	9.7	1.0	ug/L	1.00	08/11/2005 16:50	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/11/2005 16:50	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/11/2005 16:50	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	08/11/2005 18:00	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	08/11/2005 16:50	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/11/2005 16:50	
Surrogate(s)						
1,2-Dichloroethane-d4	102.8	73-130	%	1.00	08/11/2005 16:50	
1,2-Dichloroethane-d4	103.8	73-130	%	1.00	08/11/2005 18:00	
Toluene-d8	94.6	81-114	%	1.00	08/11/2005 16:50	
Toluene-d8	101.2	81-114	%	1.00	08/11/2005 18:00	

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

08/15/2005 10:02

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: BTS#050728-PC1
97093399

Received: 07/29/2005 13:51

Site: 461 8th Street, Oakland

Prep(s): 5090B Test(s): 8260B
 Sample ID: S-6 Lab ID: 2005-08-0019-4
 Sampled: 07/28/2005 09:00 Extracted: 8/8/2005 20:40
 Matrix: Water QC Batch: 2005/08/08-2B-65
 Analysis Flag: LZ pH < 2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	54000	13000	ug/L	250.00	08/08/2005 20:40	
Benzene	16000	130	ug/L	250.00	08/08/2005 20:40	
Toluene	9100	130	ug/L	250.00	08/08/2005 20:40	
Ethylbenzene	1800	130	ug/L	250.00	08/08/2005 20:40	
Total xylenes	5900	250	ug/L	250.00	08/08/2005 20:40	
Methyl tert-butyl ether (MTBE)	ND	130	ug/L	250.00	08/08/2005 20:40	
Surrogate(s)						
1,2-Dichloroethane-d4	105.4	73-130	%	250.00	08/08/2005 20:40	
Toluene-d8	99.4	81-114	%	250.00	08/08/2005 20:40	

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

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Project: BTS#050728-PC1
97093399

Received: 07/29/2005 13:51

Site: 461 8th Street, Oakland

Batch QC Report	
Prep(s): 8260B	Date: 08/08/2005
Method: Blank	QC Batch #: 2005/08/08-2B-65
MB: 2005/08/08-2B-65-062	Date Extracted: 08/08/2005 18:52

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	08/08/2005 18:52	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	08/08/2005 18:52	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/08/2005 18:52	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	08/08/2005 18:52	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	08/08/2005 18:52	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	08/08/2005 18:52	
Benzene	ND	0.5	ug/L	08/08/2005 18:52	
Toluene	ND	0.5	ug/L	08/08/2005 18:52	
Ethylbenzene	ND	0.5	ug/L	08/08/2005 18:52	
Total xylenes	ND	1.0	ug/L	08/08/2005 18:52	
Surrogates(s)					
1,2-Dichloroethane-d4	102.8	73-130	%	08/08/2005 18:52	
Toluene-d8	102.6	81-114	%	08/08/2005 18:52	

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

Blaine Tech Services, Inc.

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Project: BTS#050728-PC1
97093399

Received: 07/29/2005 13:51

Site: 461 8th Street, Oakland

Batch QC Report			
Prep(s): 6030B			Test(s): 8260B
Method: Blank	Water		QC Batch#: 2005/08/11/1A/65
MB: 2008/08/11-1A-65-002			Date Extracted: 08/11/2005 08:02

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	08/11/2005 08:02	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	08/11/2005 08:02	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/11/2005 08:02	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	08/11/2005 08:02	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	08/11/2005 08:02	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	08/11/2005 08:02	
Benzene	ND	0.5	ug/L	08/11/2005 08:02	
Toluene	ND	0.5	ug/L	08/11/2005 08:02	
Ethylbenzene	ND	0.5	ug/L	08/11/2005 08:02	
Total xylenes	ND	1.0	ug/L	08/11/2005 08:02	
Surrogates(s)					
1,2-Dichloroethane-d4	95.6	73-130	%	08/11/2005 08:02	
Toluene-d8	95.4	81-114	%	08/11/2005 08:02	

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

Blaine Tech Services, Inc.

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Project: BTS#050728-PC1
97093399

Received: 07/29/2005 13:51

Site: 461 8th Street, Oakland

Batch QC Report	
Project: 8260B	Method Blank
QC Batch # 2005/08/11-1A.68	Date Extracted: 08/11/2005 10:34

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	08/11/2005 10:34	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/11/2005 10:34	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	08/11/2005 10:34	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	08/11/2005 10:34	
Benzene	ND	0.5	ug/L	08/11/2005 10:34	
Toluene	ND	0.5	ug/L	08/11/2005 10:34	
Ethylbenzene	ND	0.5	ug/L	08/11/2005 10:34	
Total xylenes	ND	1.0	ug/L	08/11/2005 10:34	
Surrogates(s)					
1,2-Dichloroethane-d4	103.3	73-130	%	08/11/2005 10:34	
Toluene-d8	103.3	81-114	%	08/11/2005 10:34	

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

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San Jose, CA 95112-1105

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

Project: BTS#050728-PC1
97093399

Received: 07/29/2005 13:51

Site: 461 8th Street, Oakland

Batch QC Report									
Prep(s): 50/0B									Residue: 8260B
Laboratory Control Spike	Water				QC Batch #: 2005/08/08/2B-65				
LCS: 2005/08/08/2B-65/0-26	Extracted: 08/08/2005				Analyzed: 08/08/2005 18:25				
LCSD:									

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD %	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	26.2		25	104.8			65-165	20		
Benzene	26.6		25	106.4			69-129	20		
Toluene	26.4		25	105.6			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	496		500	99.2			73-130			
Toluene-d8	494		500	98.8			81-114			

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

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Project: BTS#050728-PC1
97093399

Received: 07/29/2005 13:51

Site: 461 8th Street, Oakland

Batch QC Report			
Prep(S): 8030B			8260B
Laboratory Control Spike	Water	QC Batch # 2005/08/11 1A.65	
LCS: 2005/08/11-1A.65-037	Extracted: 08/11/2005	Analyzed: 08/11/2005 07:37	

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	20.8		25	83.2			65-165	20		
Benzene	21.8		25	87.2			69-129	20		
Toluene	22.6		25	90.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	452		500	90.4			73-130			
Toluene-d8	484		500	96.8			81-114			

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08/15/2005 10:02

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

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Project: BTS#050728-PC1
97093399

Received: 07/29/2005 13:51

Site: 461 8th Street, Oakland

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Laboratory Control Spike		Water	QC Batch # 2005/08/11-1A-68
LCS 2005/08/11-1A-68-008		Extracted: 08/11/2005	Analyzed: 08/11/2005 10:08
LCSD			

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	29.2		25	116.8			65-165	20		
Benzene	22.4		25	89.6			69-129	20		
Toluene	23.7		25	94.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	419		500	83.8			73-130			
Toluene-d8	492		500	98.4			81-114			

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

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Project: BTS#050728-PC1
97093399

Received: 07/29/2005 13:51

Site: 461 8th Street, Oakland

Batch QC Report			
Prep(s)	8260B		Test(s) 8260B
Matrix Spike (MS / MSD)		Water	QC Batch # 2005/08/08-2B-65
S-8	>> MS		Lab ID# 2005-08-0049-0039
MS	2005/08/08-2B-65-048	Extracted: 08/08/2005	Analyzed: 08/08/2005 19:48
			Dilution: 1.00
MSD	2005/08/08-2B-65-013	Extracted: 08/08/2005	Analyzed: 08/08/2005 20:14
			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	19.7	21.3	ND	25	78.8	85.2	7.8	65-165	20		
Benzene	33.8	32.6	12.3	25	86.0	81.2	5.7	69-129	20		
Toluene	23.2	20.8	ND	25	92.8	83.2	10.9	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	455	486		500	91.0	97.2		73-130			
Toluene-d8	496	464		500	99.1	92.9		81-114			

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

Blaine Tech Services, Inc.

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Project: BTS#050728-PC1
97093399

Received: 07/29/2005 13:51

Site: 461 8th Street, Oakland

Batch QC Report			
Prep(S): 8260B			Test(S): 8260B
Matrix Spike (MS/MSD)	Water		QC Batch #: 2005/08/11-1A-65
MS/MSD			Lab ID: 2005-07-0812-004
MS: 2005/08/11-1A-65-043	Extracted: 08/11/2005		Analyzed: 08/11/2005 10:43
MSD: 2005/08/11-1A-65-009	Extracted: 08/11/2005		Dilution: 100.00
			Analyzed: 08/11/2005 11:09
			Dilution: 100.00

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	11300	11800	6120	2500	207.2	227.2	9.2	65-165	20	M4	M4
Benzene	2380	2510	318	2500	82.5	87.7	6.1	69-129	20		
Toluene	2080	2200	21.9	2500	82.3	87.1	5.7	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	511	497		500	102.2	99.3		73-130			
Toluene-d8	499	489		500	99.8	97.9		81-114			

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

Blaine Tech Services, Inc.

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San Jose, CA 95112-1105
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Project: BTS#050728-PC1
97093399

Received: 07/29/2005 13:51

Site: 461 8th Street, Oakland

Batch QC Report			
Prep(s): 8260B			QC Batch #: 8260B
Matrix Spike (MS / MSD)	Water		QC Batch #: 2005/08/11-1A-68
MS/MSD			Lap ID #: 2005-0720812-004
MS: 2005/08/11-1A-68-057	Extracted: 08/11/2005		Analyzed: 08/11/2005 13:51
MSD: 2005/08/11-1A-68-056	Extracted: 08/11/2005		Dilution: 100.00
			Analyzed: 08/11/2005 13:51
			Dilution: 100.00

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	7930	8620	6370	25	62.4	90.0	36.2	65-165	20	M3	R1
Benzene	2400	2520	316	25	83.4	88.2	5.6	69-129	20		
Toluene	2220	2520	16.7	25	88.1	100.1	12.8	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	426	460		500	85.2	92.0		73-130			
Toluene-d8	509	511		500	101.8	102.2		81-114			

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

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97093399

Received: 07/29/2005 13:51

Site: 461 8th Street, Oakland

Legend and Notes

Analysis Flag

L2

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

Result Flag

M3

Sample > 4x spike concentration.

M4

MS/MSD spike recoveries were above acceptance limits.
See blank spike (LCS).

R1

Analyte RPD was out of QC limits.

Sample Receipt Checklist

Submission #: 2006-08-0019

Checklist completed by:	MN	DATE	8/1/05
Courier: <input checked="" type="checkbox"/> STL SF	Courier <input type="checkbox"/> Fedex	UPS	Other
Log-In Details			Client <input type="checkbox"/>
	Yes	No	Comments
1. Custody seals intact on shipping container/samples		/	
2. Chain of custody present?	/		
3. Chain of custody signed when relinquished and received?	/		<input type="checkbox"/> Packed-Up at Secure Location <input type="checkbox"/> Client signed off of form prior to pick-up
4. All samples checked when COC relinquished		/	
5. Chain of custody agrees with sample labels?	/		
6. Samples in proper container/bottle?	/		
7. Sample containers intact?	/		
8. Sufficient sample volume for indicated test?	/		
9. All samples received within holding time?	/		

Cooler Temperature Compliance Check

Temperature Blank Reading	If no trip blank is submitted individual temperatures must be taken as per SOP	Cooler Sample Temperature			
		#1	#2	#3	Average
		3°C	3°C	3°C	3°C

Reason for Elevated Temperature	Samples with Temp > 5°C - Comments
<input type="checkbox"/> Ice Melted <input type="checkbox"/> Insufficient Ice <input type="checkbox"/>	
<input type="checkbox"/> Samp. in boxes <input type="checkbox"/> Sampled < 4hr <input type="checkbox"/> Ice not req.	

VOA Sample Inspection

Are bubbles present in any of the VOA vials?	Sample #	Small	Med.	Large	Samples with broken, cracked or leaking containers
		0	0	0	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Water - pH acceptable upon receipt?	Yes	No	Samples with Unacceptable pH		
	<input type="checkbox"/>	<input type="checkbox"/>			

pH-adjusted- Preservative used: HNO₃, HCl, H₂SO₄, NaOH, ZnOAc - Lot # (s)

Comments:

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

Project Manager: (Initials) _____ Date: ____/____/05 Client contacted: Yes No

Summary of discussion:

Corrective Action (per PM/Client):

LAB: STK

SHELL Chain Of Custody Record

116464

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be Involved:
Denis Brown
2005-08-0019

INCIDENT NUMBER (SEE ONLY):
9 7 0 9 3 3 9 9
 SAP or CRMT NUMBER (S/CRMT)

DATE: 7/28/05
 PAGE: 1 of 1

SAMPLING COMPANY Blaine Tech Services		LAB CODE BTSS	SITE ADDRESS (Street and City) 461 8th Street, Oakland		GLOBAL ID NO. T0600101263
ADDRESS 1680 Rogers Avenue, San Jose, CA 95112		EDP DELIVERABLE TO (Responsible Party or Designer) Ana Friel		PHONE NO. (707) 442-2700	CONSULTANT PROJECT NO. 050728-161
PROJECT CONTACT (Necessity or POP Report by) Leon Gearhart		EMAIL sonomaedf@cambria-env.com		SITE # BTSS	
TELEPHONE 408-573-0565	FAX 408-573-7771	EMAIL lgearhart@blaintech.com		LAB USE ONLY	
TURNAROUND TIME (BUSINESS DAYS) <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		SAMPLER NUMBER (I/C) P. Cornish			

REQUESTED ANALYSIS

LA - RWQCB REPORT FORMAT LIST AGENCY

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST PEAKING _____ ALL _____

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

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	STEX	MTBE (0021B - 5ppb RL)	MTBE (0250B - 0.5ppb RL)	Oxygenates (5) by (0260B)	Etherol (0260B)	Methanol	1,2-DCA (0260B)	EDB (0260B)	TPH - Diesel, Extractable (0015m)	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
		DATE	TIME													
	S-8	7/28/05	8:15	U	3	X	X	X								TEMPERATURE ON RECEIPT C° 30
	S-9	↓	8:26	↓	3	X	X		X							
	S-10	↓	8:40	↓	3	X	X		X							
	S-6	↓	9:00	↓	3	X	X		X							

<i>[Signature]</i>	<i>[Signature]</i> Sample Custodian	Date: <u>7/28/05</u>	Time: <u>14:44</u>
<i>[Signature]</i>	<i>[Signature]</i> Sample Custodian	Date: <u>7/29/05</u>	Time: <u>13:51</u>
<i>[Signature]</i>	<i>[Signature]</i>	Date: <u>7/29/05</u>	Time: <u>19:10</u>