Shell Oil Products US

July 11, 2003

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Amir K. Gholami, REHS
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: **Shell-branded Service Station**
285 Hegenberger Road
Oakland, California

Dear Mr. Gholami:

Attached for your review and comment is a copy of the *Second 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

Karen Petryna
Sr. Environmental Engineer

P.O. Box 7869 Burbank, CA 91510-7869 Phone (559) 645-9306 Facsimile (559) 645-5643

CAMBRIA

July 11, 2003

Amir K. Gholami, REHS
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Second Quarter 2003 Monitoring Report**
Shell-branded Service Station
285 Hegenberger Road
Oakland, California
Incident #98995749
Cambria Project #245-0734-002

Dear Mr. Gholami:

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.

SECOND QUARTER 2003 ACTIVITIES

Groundwater Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged water levels, sampled selected wells, calculated groundwater elevations and compiled the gasoline constituents analytical data. Cambria prepared a vicinity map (Figure 1) and prepared a groundwater elevation contour map (Figure 2). Blaine's report, presenting the laboratory report and supporting field documents, is included as Attachment A.

Diesel and Motor Oil Detections: Diesel (TEPH) was detected in 12 out of 17 samples; however, the analytical laboratory report indicated that the hydrocarbon reported did not match the pattern of their diesel standard. Two samples, MW-12 and VEW-5, had motor oil hits slightly above the reporting limit.

Air-Sparge and Soil Vapor Extraction (AS/SVE) System Operation: An AS/SVE system operated at the site using AS/SVE wells AS-1/VEW-5, AS-2/VEW-6 and AS-3/VEW-7 from March 25, 2002 to February 14, 2003. The system was shut down due to the low to non-detect concentrations of chemicals of concern in groundwater in the AS/SVE wells and consistently high groundwater elevations in the vapor extraction wells.

Cambria Environmental Technology, Inc.

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

ANTICIPATED THIRD QUARTER 2003 ACTIVITIES

Groundwater Monitoring: The next sampling event is scheduled for the third quarter of 2003. At that time, Blaine will gauge water levels, sample selected site wells and tabulate the data. Cambria will prepare a monitoring report.

Silica Gel Cleanup: Silica gel cleanup will be used on all groundwater samples prior to analysis for total petroleum hydrocarbons as diesel (TEPH). Silica gel cleanup is used to mitigate possible interference caused by polar biogenic material that may naturally occur in groundwater or result from the biodegradation of petroleum hydrocarbons.

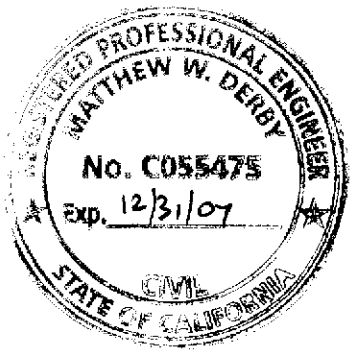
CLOSING

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 Manager



Figures: 1 - Vicinity Map
2 - Groundwater Elevation Contour Map

Attachments: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Karen Petryna, Shell Oil Products US, P.O. Box 7869, Burbank, CA 91510-7869
J.T., Elizabeth G., W.T., and Jeanette Watters, Tr., 600 Caldwell Road, Oakland, CA 94611
Doug Herman, Port of Oakland, Division of Environmental Health and Safety, 530 Water Street, Oakland, CA 94607

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05/12/03

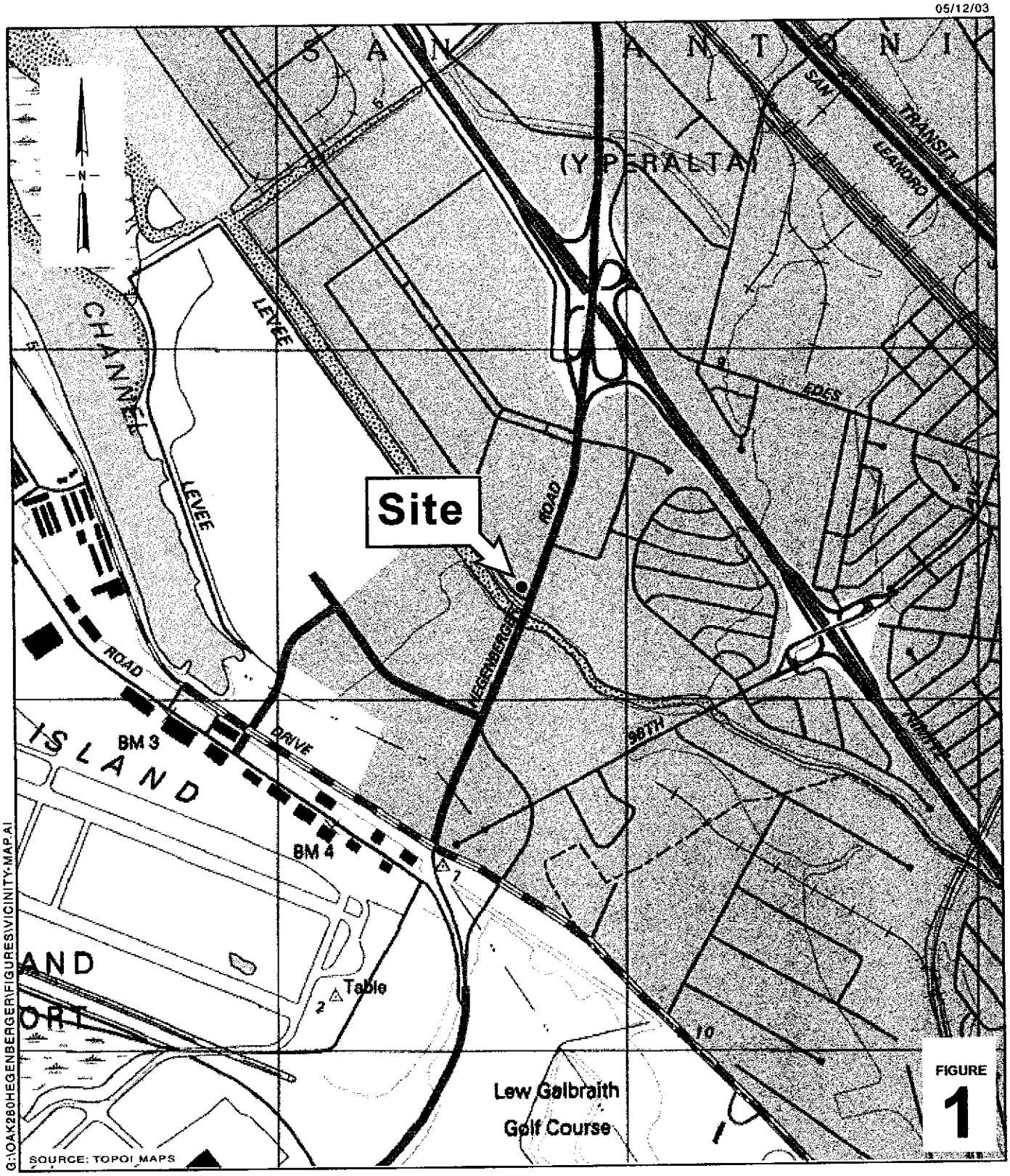


FIGURE
1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Shell-branded Service Station
285 Hegenberger Road
Oakland, California
Incident #98995749

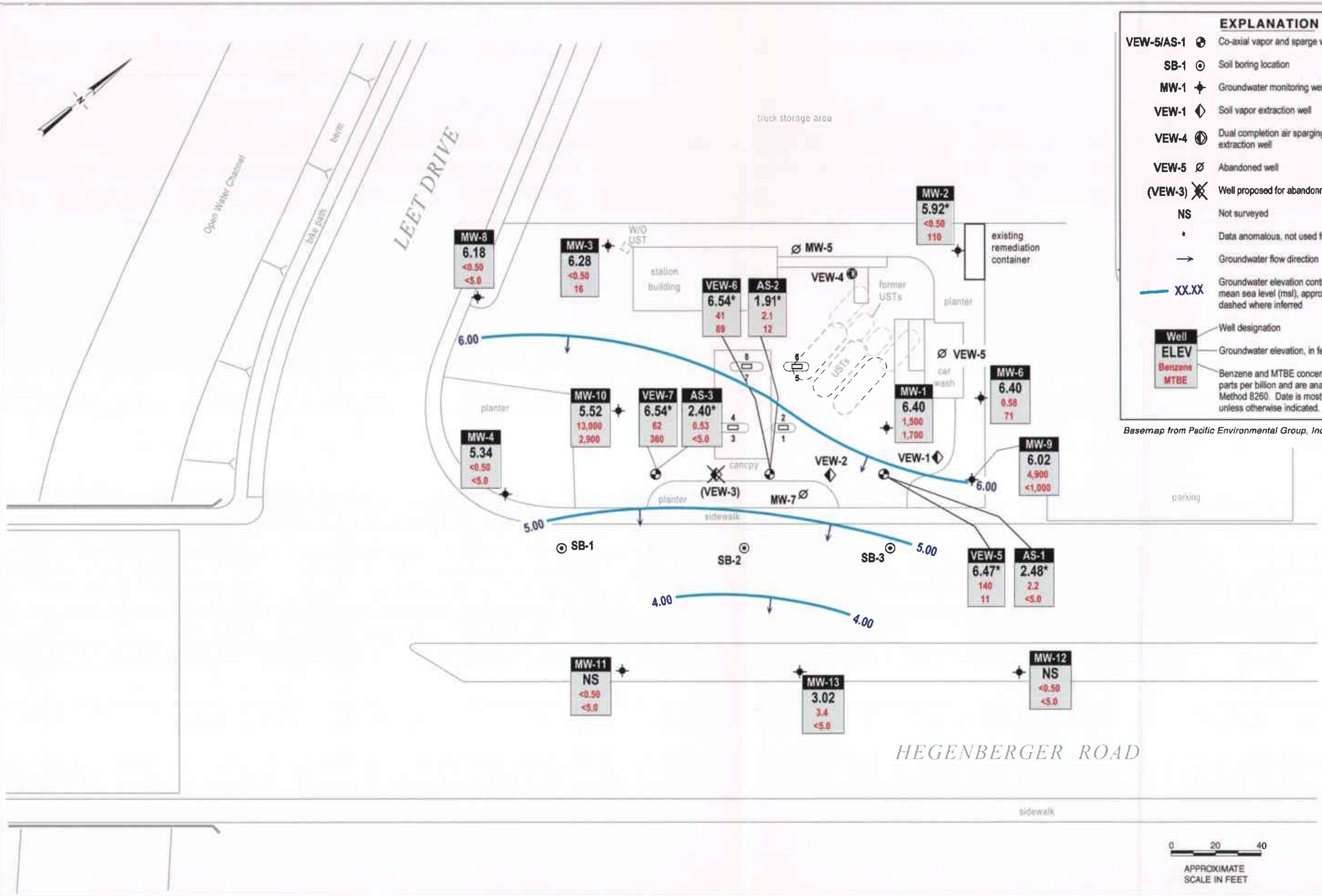
CAMBRIA

Vicinity Map

07/11/03

Groundwater Elevation Contour Map

May 1, 2003



EXPLANATION

VEW-5/AS-1	Co-axial vapor and sparge well (6/28/00)
SB-1	Soil boring location
MW-1	Groundwater monitoring well
VEW-1	Soil vapor extraction well
VEW-4	Dual completion air sparging/soil vapor extraction well
VEW-5	Abandoned well
(VEW-3)	Well proposed for abandonment
NS	Not surveyed
*	Data anomalous, not used for contouring
→	Groundwater flow direction
XX.XX	Groundwater elevation contour, in feet above mean sea level (msl); approximately located, dashed where inferred

Well
ELEV
Benzene
MTBE

- Well designation
- Groundwater elevation, in feet above msl
- Benzene and MTBE concentrations are in parts per billion and are analyzed by EPA Method 8260. Date is most recent sampling unless otherwise indicated.

Basemap from Pacific Environmental Group, Inc.

0 20 40

APPROXIMATE SCALE IN FEET

FIGURE **2**

Shell-branded Service Station
285 Hegenberger Road
Oakland, California
Incident #98995749

CAMBRIA

G:\OAKLAND\285HEGENBERGER\FIGURES\2QM03-MP.AI

ATTACHMENT A

Blaine Groundwater Monitoring Report and Field Notes

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

June 12, 2003

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

Second Quarter 2003 Groundwater Monitoring at
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Monitoring performed on May 1, 2003

Groundwater Monitoring Report **030501-SS-1**

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
285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (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	02/16/1989	99,000	NA	20,000	23,000	5,700	2,300	NA	NA	6.64	3.83	2.81	NA
MW-1	05/23/1989	48,000	11,000	4,200	5,200	1,200	7,700	NA	NA	6.64	3.59	3.05	NA
MW-1	08/03/1989	63,000	11,000	5,500	5,500	3,200	9,500	NA	NA	6.64	4.04	2.60	NA
MW-1	12/15/1989	30,000	11,000	ND	ND	ND	ND	NA	NA	6.64	4.22	2.42	NA
MW-1	02/07/1990	93,000	10,000	13,000	9,600	2,400	14,000	NA	NA	6.64	4.60	2.04	NA
MW-1	04/18/1990	55,000	8,700	14,000	8,400	3,200	13,000	NA	NA	6.64	4.02	2.62	NA
MW-1	07/23/1990	73,000	3,600	16,000	7,400	2,800	15,000	NA	NA	6.64	4.17	2.47	NA
MW-1	09/27/1990	45,000	1,700	8,000	4,300	2,000	11,000	NA	NA	6.64	4.60	2.04	NA
MW-1	01/03/1991	43,000	3,100	10,000	3,400	1,900	11,000	NA	NA	6.64	4.88	1.76	NA
MW-1	04/10/1991	67,000	1,800	20,000	9,600	3,500	16,000	NA	NA	6.64	3.55	3.09	NA
MW-1	07/12/1991	NA	NA	NA	NA	NA	NA	NA	NA	6.64	3.97	2.67	NA
MW-1	10/08/1991	55,000	7,400	18,000	3,500	2,300	8,600	NA	NA	6.64	4.26	2.38	NA
MW-1	02/06/1992	48,000	15,000 a	12,000	2,800	1,900	7,400	NA	NA	6.64	4.94	1.70	NA
MW-1	05/04/1992	71,000	10,000 a	16,000	6,000	3,100	14,000	NA	NA	6.64	3.58	3.06	NA
MW-1	07/28/1992	68,000	18,000 a	21,000	5,500	3,400	15,000	NA	NA	6.64	3.91	2.73	NA
MW-1 (D)	07/28/1992	70,000	19,000 a	17,000	5,000	2,700	13,000	NA	NA	6.64	3.91	2.73	NA
MW-1	10/27/1992	53,000	1,300	18,000	3,700	3,400	11,000	NA	NA	6.64	4.79	1.85	NA
MW-1 (D)	10/27/1992	48,000	2,500 a	17,000	3,600	3,100	9,900	NA	NA	6.64	4.79	1.85	NA
MW-1	01/14/1993	84,000	2,200 a	17,000	5,400	3,000	13,000	NA	NA	6.64	3.39	3.25	NA
MW-1	04/23/1993	100,000	2,300 a	18,000	7,800	4,700	20,000	NA	NA	6.64	2.67	3.97	NA
MW-1	07/20/1993	41a	3,100 a	12,000	870	1,500	4,400	NA	NA	9.50	3.48	6.02	NA
MW-1	10/18/1993	33,000	8,100 a	14,000	1,200	2,000	4,900	NA	NA	9.50	4.20	5.30	NA
MW-1 (D)	10/18/1993	44,000	3,700 a	14,000	1,200	2,000	4,900	NA	NA	9.50	4.20	5.30	NA
MW-1	01/06/1994	71,000	9,000 a	9,000	870	1,600	5,100	NA	NA	9.50	4.13	5.37	NA
MW-1	04/12/1994	42,000	5,900	6,600	170	2,300	4,700	NA	NA	9.50	2.42	7.08	NA
MW-1 (D)	04/12/1994	40,000	4,700	6,300	180	2,000	4,400	NA	NA	9.50	2.42	7.08	NA

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (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	07/25/1994	13,000	7,000 a	4,400	110	460	1,400	NA	NA	9.50	3.37	6.13	NA
MW-1	10/25/1994	19,000	3,900	5,500	210	880	2,000	NA	NA	9.50	4.07	5.43	NA
MW-1	01/09/1995	37,000	8,600 a	6,700	800	2,800	8,900	NA	NA	9.50	2.65	6.85	NA
MW-1	04/11/1995	26,000	5,500	4,700	270	1,800	3,400	NA	NA	9.50	2.38	7.12	NA
MW-1	07/18/1995	57,000	7,000	7,500	880	4,100	11,000	NA	NA	9.50	3.49	6.01	NA
MW-1 (D)	07/19/1995	46,000	6,600	6,000	670	3,200	7,500	NA	NA	9.50	3.49	6.01	NA
MW-1	10/18/1995b	37,000	3,200	5,400	450	2,600	7,400	10,000	NA	9.50	NA	NA	NA
MW-1	01/09/1996	32,000	NA	3,000	240	1,900	3,500	6,100	NA	9.50	2.95	6.55	NA
MW-1	04/02/1996	30,000	NA	3,100	260	2.0	3,900	8.0	NA	9.50	2.00	7.50	NA
MW-1	10/03/1996	18,000	2,800	3,000	120	1,200	1,700	7,500	NA	9.50	3.21	6.29	2.2
MW-1	04/03/1997	29,000	3,000	2,300	170	2,300	2,900	4,300	NA	9.50	2.84	6.66	2.2
MW-1	10/08/1997	22,000	3,600	920	71	2,400	2,200	820	NA	9.50	2.58	6.92	1.5
MW-1	06/10/1998	13,000	2,900	860	<100	1,300	500	29,000	32,000	9.50	2.67	6.83	0.5/0.5
MW-1 (D)	06/10/1998	9,400	2,100	870	<50	1,300	520	28,000	NA	9.50	2.67	6.83	0.5/0.5
MW-1	12/30/1998	6,930	1,540	714	52.7	243	<25.0	9,000	NA	9.50	4.68	4.82	1.6/1.4
MW-1 *	06/25/1999	12,600	NA	1,110	44.7	1,340	710	6,080	NA	9.50	2.86	6.64	1.2/2.1
MW-1	12/28/1999	3,260	1,170	527	14.0	50.7	40.3	5,430	7,060b	9.50	3.23	6.27	1.4/1.8
MW-1	05/31/2000	6,820	2,050	1,620	<50.0	116	<50.0	6,070	4,710	9.50	2.39	7.11	0.98/2.27
MW-1	10/17/2000	2,530	995 a	388	<10.0	16.4	22.1	917	NA	9.50	2.05	7.45	4.0/3.1
MW-1	05/01/2001	12,300	1,510	1,480	19.5	205	111	4,160	NA	9.50	3.55	5.95	1.6/1.3
MW-1	11/05/2001	NA	NA	NA	NA	NA	NA	NA	NA	9.85 e	4.43	5.42	0.4
MW-1	11/07/2001	3,000	<1,000	290	6.0	11	15	NA	870	9.85	4.00	5.85	2.1/1.4
MW-1	05/01/2002	11,000	<2,000	2,100	29	180	68	NA	1,500	9.85	3.14	6.71	3.4/2.3
MW-1	07/16/2002	7,400	<1,500	1,200	22	37	24	NA	1,900	9.85	3.69	6.16	0.9/0.8
MW-1	10/17/2002	4,600	<2,000	810	16	68	31	NA	1,600	9.44	4.76	4.68	0.8/1.2
MW-1	01/21/2003	11,000	<7,000	1,100	28	210	53	NA	1,100	9.44	3.50	5.94	0.3/0.7

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (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	**05/01/2003**	**13,000**	**4,900 f**	**1,500**	**33**	**260**	**68**	**NA**	**1,700**	**9.44**	**3.04**	**6.40**	**NA**
MW-2	02/16/1989	20,000	NA	200	900	2,700	9,600	NA	NA	7.68	5.33	2.35	NA
MW-2	05/23/1989	1,500	1,600	4.3	2.9	11	150	NA	NA	7.68	5.23	2.45	NA
MW-2	08/03/1989	15,000	7,400	75	120	850	2,200	NA	NA	7.68	6.03	1.65	NA
MW-2	12/15/1989	5,000	2,600	52	13	4.1	290	NA	NA	7.68	6.43	1.25	NA
MW-2	02/07/1990	13,000	4,800	32	34	230	640	NA	NA	7.68	5.82	1.86	NA
MW-2	04/18/1990	9,800	3,200	33	19	460	1,700	NA	NA	7.68	5.88	1.80	NA
MW-2	07/23/1990	9,600	2,700	41	27	540	940	NA	NA	7.68	6.05	1.63	NA
MW-2	10/01/1990	390	1,600	3.4	15	8.5	25	NA	NA	7.68	NA	NA	NA
MW-2	01/03/1991	1,800	830	56	4.4	4.8	92	NA	NA	7.68	6.82	0.86	NA
MW-2	04/10/1991	1,900	280	ND	28	140	490	NA	NA	7.68	4.80	2.88	NA
MW-2	07/12/1991	8,100	1,100	89	66	350	930	NA	NA	7.68	5.70	1.98	NA
MW-2	10/08/1991	1,400	2,600	5.1	1.5	36	270	NA	NA	7.68	6.40	1.28	NA
MW-2	02/06/1992	2,000	5,400 a	7.8	2.5	130	210	NA	NA	7.68	6.40	1.28	NA
MW-2	05/04/1992	21	1,000	ND	ND	300	960	NA	NA	7.68	4.68	3.00	NA
MW-2	07/28/1992	2,100	830 a	7.7	3.3	130	310	NA	NA	7.68	5.86	1.82	NA
MW-2	10/27/1992	1,100	530	16	3.1	4.5	25	NA	NA	7.68	6.96	0.72	NA
MW-2	01/14/1993	290	170 a	5.2	3.1	8.4	21	NA	NA	7.68	4.12	3.56	NA
MW-2	04/23/1993	2,400	1,200 a	ND	ND	210	610	NA	NA	7.68	3.84	3.84	NA
MW-2	07/20/1993	440	130	1.7	1.7	15	38	NA	NA	10.55	5.17	5.38	NA
MW-2	10/18/1993	2,100	1,600 a	ND	ND	90	110	NA	NA	10.55	6.20	4.35	NA
MW-2	01/06/1994	1.9a	130	ND	6.7	7.1	12	NA	NA	10.55	5.39	5.16	NA
MW-2	04/12/1994	120	130	ND	ND	3.4	4.3	NA	NA	10.55	4.72	5.83	NA
MW-2	07/25/1994	0.18a	280 a	5.3	ND	6.2	8.2	NA	NA	10.55	5.44	5.11	NA
MW-2	10/25/1994	170	400	ND	ND	ND	ND	NA	NA	10.55	6.73	3.82	NA

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (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	01/09/1995	ND	ND	ND	ND	ND	ND	NA	NA	10.55	4.34	6.21	NA
MW-2	04/11/1995	ND	ND	ND	ND	ND	ND	NA	NA	10.55	3.72	6.83	NA
MW-2	07/18/1995	250	160	2.8	0.5	12	13	NA	NA	10.55	4.91	5.64	NA
MW-2	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	10.55	5.88	4.67	NA
MW-2	01/09/1996	790	130	5.1	1.5	2.4	4.6	1,400	NA	10.55	4.75	5.80	NA
MW-2	04/02/1996	260	NA	<2	<2	13	6.9	540	NA	10.55	3.25	7.30	NA
MW-2	10/03/1996	<2,000	620	<20	<20	<20	<20	13,000	NA	10.55	5.27	5.28	2.3
MW-2	04/03/1997	<1,000	190	<10	<10	<10	<10	2,800	NA	10.55	3.99	6.56	2.2
MW-2	10/08/1997	<5,000	1,100	<50	<50	<50	<50	d	NA	10.55	5.03	5.52	1.6
MW-2	06/10/1998	120	310	1.7	<1.0	<1.0	<1.0	3,800	NA	10.55	4.11	6.44	0.7/0.6
MW-2	12/30/1998	<5,000	1,050	<50.0	<50.0	<50.0	<50.0	12,100	15,300	10.55	4.76	5.79	1.3/1.2
MW-2 *	06/25/1999	<1,000	NA	<10.0	<10.0	<10.0	<10.0	7,570	NA	10.55	4.63	5.92	2.3/2.5
MW-2	12/28/1999	228	446	4.54	<0.500	<0.500	<0.500	4,260	NA	10.55	4.95	5.60	2.1/2.4
MW-2	05/31/2000	597	187	19.3	<0.500	0.860	<0.500	2,480	NA	10.55	4.06	6.49	1.8/2.7
MW-2	10/17/2000	Well inaccessible		NA	NA	NA	NA	NA	NA	10.55	NA	NA	NA
MW-2	05/01/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	10.55	NA	NA	NA
MW-2	11/05/2001	<500	610	<5.0	<5.0	<5.0	<5.0	NA	1,800	10.55	6.12	4.43	0.6/1.1
MW-2	05/01/2002	440	<50	<2.5	<2.5	<2.5	<2.5	NA	1,300	10.55	3.85	6.70	6.2/0.9
MW-2	07/16/2002	<500	250	<5.0	<5.0	<5.0	<5.0	NA	2,100	10.55	4.56	5.99	0.9/1.3
MW-2	10/17/2002	280	240	<1.0	<1.0	<1.0	<1.0	NA	270	10.10	5.90	4.20	0.6/2.2
MW-2	01/21/2003	160	72	<0.50	<0.50	<0.50	<0.50	NA	380	10.10	4.11	5.99	0.5/1.0
MW-2	**05/01/2003**	**350**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**110**	**10.10**	**4.18**	**5.92**	**NA**
MW-3	02/16/1989	60,000	NA	5,500	ND	3,200	5,200	NA	NA	7.81	5.17	2.64	NA
MW-3	05/23/1989	ND	1,500	ND	200	ND	ND	NA	NA	7.81	5.09	2.72	NA
MW-3	08/03/1989	2,000	1,200	120	ND	ND	86	NA	NA	7.81	5.34	2.47	NA

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-3	12/15/1989	5,200	1,700	380	12	17	410	NA	NA	7.81	6.02	1.79	NA
MW-3	02/07/1990	260	230	17	47	5.4	2.5	NA	NA	7.81	4.95	2.86	NA
MW-3	04/18/1990	260	ND	ND	ND	ND	9.4	NA	NA	7.81	5.55	2.26	NA
MW-3	07/23/1990	510	210	46	ND	ND	9.3	NA	NA	7.81	5.81	2.00	NA
MW-3	09/27/1990	460	350	6.3	1.2	ND	15	NA	NA	7.81	6.86	0.95	NA
MW-3	01/03/1991	4,800	630	920	1.7	ND	190	NA	NA	7.81	6.84	0.97	NA
MW-3	04/10/1991	120	60	1.2	8.8	3.5	21	NA	NA	7.81	4.93	2.88	NA
MW-3	07/12/1991	430	ND	12	0.8	ND	7.7	NA	NA	7.81	5.56	2.25	NA
MW-3	10/08/1991	770	560	140	ND	ND	53	NA	NA	7.81	6.62	1.19	NA
MW-3	02/06/1992	500	340 a	74	0.7	5.2	5.3	NA	NA	7.81	6.28	1.53	NA
MW-3	05/04/1992	310	290 a	47	0.9	17	16	NA	NA	7.81	4.65	3.16	NA
MW-3	07/28/1992	780	100 a	130	ND	13	4.2	NA	NA	7.81	5.56	2.25	NA
MW-3	10/27/1992	740	69a	92	ND	7.8	9.6	NA	NA	7.81	6.65	1.16	NA
MW-3	01/14/1993	ND	ND	2.4	2.8	ND	ND	NA	NA	7.81	3.88	3.93	NA
MW-3	04/23/1993b	NA	NA	NA	NA	NA	NA	NA	NA	7.81	NA	NA	NA
MW-3	07/20/1993b	NA	NA	NA	NA	NA	NA	NA	NA	11.25 (TOB)	NA	NA	NA
MW-3	10/18/1993b	NA	NA	NA	NA	NA	NA	NA	NA	11.25 (TOB)	NA	NA	NA
MW-3	01/06/1994	130	64	1.7	ND	ND	0.93	NA	NA	11.25 (TOB)	5.54	NA	NA
MW-3	04/12/1994	ND	75	0.82	ND	ND	0.7	NA	NA	11.25 (TOB)	4.82	NA	NA
MW-3	07/25/1994	0.06a	ND	2.8	ND	ND	0.7	NA	NA	11.25 (TOB)	6.03 (TOB)	5.22	NA
MW-3	10/25/1994	70	100	ND	ND	ND	ND	NA	NA	11.25 (TOB)	6.48	NA	NA
MW-3	01/09/1995	ND	ND	ND	ND	ND	ND	NA	NA	11.25 (TOB)	4.86 (TOB)	6.39	NA
MW-3	04/11/1995	ND	ND	ND	ND	ND	ND	NA	NA	11.25 (TOB)	4.22 (TOB)	7.03	NA
MW-3	07/18/1995	ND	90	2.8	ND	ND	ND	NA	NA	11.25 (TOB)	5.44 (TOB)	5.81	NA
MW-3	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	11.25 (TOB)	5.72	NA	NA
MW-3	01/09/1996	90	90	1.7	ND	<0.5	<0.5	61	NA	11.25 (TOB)	4.96	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-3	04/02/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	24	NA	11.25 (TOB)	3.43	NA	NA
MW-3	10/03/1996	<500	180	<5	<5	<5	<5	1,200	NA	11.25 (TOB)	5.39	NA	2.4
MW-3	04/03/1997	150	83	3.2	<0.50	<0.50	0.81	280	NA	11.25 (TOB)	4.20	NA	2.0
MW-3	10/08/1997	180	120	7.3	0.68	0.54	3.9	1,700	NA	11.25 (TOB)	5.51(TOB)	5.74	2.1
MW-3	06/10/1998	130	120	12	0.85	<0.50	2.1	600	NA	11.25 (TOB)	3.91(TOB)	7.34	0.8/0.9
MW-3	12/30/1998	<250	108	<2.50	<2.50	<2.50	<2.50	1,010	NA	11.25 (TOB)	5.76 (TOB)	5.49	1.3/1.4
MW-3 *	06/25/1999	269	NA	4.24	<2.50	<2.50	<2.50	1,180	NA	11.25 (TOB)	4.73	NA	1.4/1.9
MW-3	12/28/1999	333	122	41.4	6.48	6.57	21.3	2,680	NA	11.25 (TOB)	5.75 (TOB)	5.50	1.3/1.5
MW-3	05/31/2000	1,180	89.2	19.1	1.92	3.26	<1.00	2,130	NA	11.25 (TOB)	4.96 (TOB)	6.29	1.2/2.2
MW-3	10/17/2000	156	183 a	5.22	0.819	<0.500	1.53	2,250	NA	11.25 (TOB)	5.70 (TOB)	5.55	2.0/2.1
MW-3	05/01/2001	286	95.9	<2.50	<2.50	<2.50	<2.50	1,470	NA	11.25 (TOB)	4.88 (TOB)	6.37	1.9/2.7
MW-3	05/29/2001	NA	NA	NA	NA	NA	NA	NA	NA	11.25 (TOB)	5.25 (TOB)	6.00	3.0/1.9
MW-3	11/05/2001	<500	<50	<5.0	<5.0	<5.0	<5.0	NA	2,100	11.25 (TOB)	6.25 (TOB)	5.00	0.5/1.9
MW-3	05/01/2002	<100	80	<1.0	<1.0	<1.0	<1.0	NA	430	11.25 (TOB)	4.77 (TOB)	6.48	4.1/0.7
MW-3	07/16/2002	410	340	12	2.0	<2.0	3.5	NA	530	11.25 (TOB)	5.44 (TOB)	5.81	0.3/1.7
MW-3	10/17/2002	220	82	2.5	<2.0	<2.0	2.3	NA	25	10.58	6.03	4.55	0.8/2.4
MW-3	01/21/2003	<50	150	<0.50	<0.50	<0.50	<0.50	NA	28	10.58	4.30	6.28	1.2/1.0
MW-3	**05/01/2003**	**60**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**16**	**10.58**	**4.30**	**6.28**	**NA**
MW-4	05/23/1989	ND	ND	ND	ND	ND	ND	NA	NA	7.38	5.60	1.78	NA
MW-4	08/03/1989	ND	ND	ND	ND	ND	ND	NA	NA	7.38	6.37	1.01	NA
MW-4	12/15/1989	ND	ND	ND	ND	ND	ND	NA	NA	7.38	6.91	0.47	NA
MW-4	03/08/1990	ND	ND	ND	ND	ND	ND	NA	NA	7.38	6.06	1.32	NA
MW-4	04/18/1990	NA	NA	NA	NA	NA	NA	NA	NA	7.38	5.84	1.54	NA
MW-4	07/23/1990	ND	ND	ND	ND	ND	ND	NA	NA	7.38	6.92	0.46	NA
MW-4	09/27/1991	ND	ND	ND	ND	ND	ND	NA	NA	7.38	8.03	0.65	NA

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-4	01/03/1991	NA	NA	NA	NA	NA	NA	NA	NA	7.38	7.54	-0.16	NA
MW-4	04/10/1991	ND	ND	ND	ND	ND	ND	NA	NA	7.38	5.06	2.32	NA
MW-4	07/12/1991	ND	ND	ND	ND	ND	ND	NA	NA	7.38	6.86	0.52	NA
MW-4	10/08/1991	ND	ND	ND	ND	ND	ND	NA	NA	7.38	7.44	-0.06	NA
MW-4	02/06/1992	120	2,500 a	ND	ND	ND	ND	NA	NA	7.38	7.29	0.09	NA
MW-4	05/04/1992	ND	53	ND	ND	ND	ND	NA	NA	7.38	5.33	2.05	NA
MW-4	07/28/1992	ND	60	ND	ND	ND	ND	NA	NA	7.38	6.95	0.43	NA
MW-4	10/27/1992	ND	ND	ND	ND	ND	ND	NA	NA	7.38	7.65	-0.27	NA
MW-4	01/14/1993	ND	ND	ND	ND	ND	ND	NA	NA	7.38	4.84	2.54	NA
MW-4	04/23/1993	ND	ND	ND	ND	ND	ND	NA	NA	7.38	4.84	2.54	NA
MW-4	07/20/1993	ND	ND	2.2	ND	1.1	7.7	NA	NA	10.28	6.47	3.81	NA
MW-4	10/18/1993	ND	ND	ND	1.2	ND	ND	NA	NA	10.28	7.35	2.93	NA
MW-4	01/06/1994	ND	ND	ND	ND	ND	ND	NA	NA	10.28	7.64	2.64	NA
MW-4	04/12/1994	ND	76	ND	ND	ND	ND	NA	NA	10.28	6.39	3.89	NA
MW-4	07/25/1994	ND	ND	ND	ND	ND	ND	NA	NA	10.28	7.00	3.28	NA
MW-4	10/25/1994	ND	ND	ND	ND	ND	ND	NA	NA	10.28	7.53	2.75	NA
MW-4	01/09/1995	ND	70 a	ND	ND	ND	ND	NA	NA	10.28	4.90	5.38	NA
MW-4	04/11/1995	ND	140	1.5	ND	0.6	3.4	NA	NA	10.28	5.04	5.24	NA
MW-4	07/18/1995	ND	160	13	3.4	ND	ND	NA	NA	10.28	6.18	4.10	NA
MW-4	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	10.28	6.63	3.65	NA
MW-4	01/09/1996	<50	ND	<0.5	ND	<0.5	<0.5	ND	NA	10.28	3.82	6.46	NA
MW-4	04/02/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	10.28	3.97	6.31	NA
MW-4	10/03/1996	<50	81	<0.5	<0.5	<0.5	<0.5	<2.5	NA	10.28	3.74	6.54	NA
MW-4	04/03/1997	<50	69	<0.50	<0.50	<0.50	<0.50	<2.5	NA	10.28	3.74	6.54	1.8
MW-4	10/08/1997	<50	75	<0.50	<0.50	<0.50	<0.50	13	NA	10.28	4.89	5.39	2.0
MW-4 (D)	10/08/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	10.28	4.89	5.39	2.0

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-4	06/10/1998	NA	NA	NA	NA	NA	NA	NA	NA	10.28	4.39	5.89	NA
MW-4	12/30/1998	<50.0	94.1	<0.500	<0.500	<0.500	0.580	7.33	NA	10.28	5.58	4.70	1.7/1.6
MW-4	06/25/1999	NA	NA	NA	NA	NA	NA	NA	NA	10.28	4.17	6.11	NA
MW-4	12/28/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	10.28	4.54	5.74	1.4/1.5
MW-4	05/31/2000	NA	NA	NA	NA	NA	NA	NA	NA	10.28	3.85	6.43	NA
MW-4	10/17/2000	<50.0	274a	<0.500	<0.500	<0.500	<0.500	9.40	NA	10.28	3.50	6.78	3.8/4.0
MW-4	05/01/2001	NA	NA	NA	NA	NA	NA	NA	NA	10.28	4.10	6.18	NA
MW-4	11/05/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	8.4	10.28	5.21	5.07	1.3/1.5
MW-4	05/01/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	10.28	4.28	6.00	2.6/1.1
MW-4	07/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	10.28	3.87	6.41	NA
MW-4	10/17/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	9.83	4.66	5.17	1.4/2.4
MW-4	01/21/2003	NA	NA	NA	NA	NA	NA	NA	NA	9.83	3.87	5.96	NA
MW-4	**05/01/2003**	**<50**	**57 f**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<5.0**	**9.83**	**4.49**	**5.34**	**NA**
MW-5	05/23/1989	26,000	7,000	1,500	280	ND	8,100	NA	NA	8.18	5.47	2.71	NA
MW-5	08/03/1989	12,000	8,700	860	94	ND	2,600	NA	NA	8.18	5.94	2.24	NA
MW-5	12/15/1989	1,000	710	22	35	18	44	NA	NA	8.18	6.75	1.43	NA
MW-5	02/07/1990	ND	620	0.8	ND	ND	ND	NA	NA	8.18	6.03	2.15	NA
MW-5	04/18/1990	19,000	5,000	4,500	850	97	8,000	NA	NA	8.18	5.80	2.38	NA
MW-5	07/23/1990	23,000	2,700	3,600	400	160	6,500	NA	NA	8.18	6.00	2.18	NA
MW-5	09/23/1990	5,400	550	1,400	26	13	1,300	NA	NA	8.18	7.18	1.00	NA
MW-5	01/03/1991	860	560	280	2.8	0.8	45	NA	NA	8.18	7.17	1.01	NA
MW-5	04/10/1991	12,000	1,800	710	130	500	2,400	NA	NA	8.18	5.25	2.93	NA
MW-5	07/12/1991	24,000	1,700	2,200	280	430	5,700	NA	NA	8.18	5.70	2.48	NA
MW-5	10/08/1991	2,800	1,400	860	13	ND	580	NA	NA	8.18	6.50	1.68	NA
MW-5	02/06/1992	1,000	1,200	300	ND	14	62	NA	NA	8.18	6.35	1.83	NA

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (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	05/04/1992	10,000	4,100 a	1,500	350	710	2,300	NA	NA	8.18	4.87	3.31	NA
MW-5	07/28/1992	12,000	3,800 a	2,200	63	1,400	3,500	NA	NA	8.18	5.73	2.45	NA
MW-5	10/27/1992	7,500	480 a	1,100	59	230	900	NA	NA	8.18	6.98	1.20	NA
MW-5	01/14/1993	7,700	1,100 a	420	49	570	840	NA	NA	8.18	4.70	3.48	NA
MW-5	04/23/1993	110,000	1,600 a	2,900	2,500	3,400	12,000	NA	NA	8.18	4.19	3.99	NA
MW-5	07/20/1993	18a	1,200 a	1,400	84	1,500	3,200	NA	NA	10.87	5.10	5.77	NA
MW-5	10/18/1993	14,000	5,800 a	2,000	100	2,300	5,100	NA	NA	10.87	5.79	5.08	NA
MW-5	01/06/1994	81,000	1,100 a	11,000	9,300	3,600	12,000	NA	NA	10.87	5.56	5.31	NA
MW-5	04/12/1994	17,000	4,100	2,900	380	430	1,300	NA	NA	10.87	4.90	5.97	NA
MW-5	07/25/1994	5,900	5,400 a	1,500	42	34	170	NA	NA	10.87	5.38	5.49	NA
MW-5	10/25/1994	2,300	1,900 a	35	3	ND	8	NA	NA	10.87	6.16	4.71	NA
MW-5	01/09/1995	8,300	3,700 a	1,500	95	330	1,900	NA	NA	10.87	4.60	6.27	NA
MW-5	04/11/1995	7,300	9,800	1,200	230	600	550	NA	NA	10.87	3.74	7.13	NA
MW-5	07/18/1995	17,000	5,100	2,300	730	770	2,500	NA	NA	10.87	4.97	5.90	NA
MW-5	10/18/1995	Well abandoned		NA	NA	NA	NA	NA	NA	10.87	5.67	5.20	NA
MW-6	05/23/1989	22,000	7,000	16	6.5	7	3,400	NA	NA	8.21	5.47	2.74	NA
MW-6	08/03/1989	28,000	8,800	1,200	130	2,100	2,800	NA	NA	8.21	5.91	2.30	NA
MW-6	12/15/1989	16,000	5,500	370	92	200	180	NA	NA	8.21	5.98	2.23	NA
MW-6	02/07/1990	22,000	2,600	520	85	630	770	NA	NA	8.21	5.47	2.74	NA
MW-6	04/18/1990	21,000	5,700	900	77	2,700	2,700	NA	NA	8.21	5.80	2.41	NA
MW-6	07/23/1990	24,000	3,000	1,000	94	3,400	2,700	NA	NA	8.21	5.85	2.36	NA
MW-6	09/27/1990	22,000	ND	700	93	2,500	2,400	NA	NA	8.21	6.42	1.79	NA
MW-6	01/03/1991	25,000	960	1,000	88	2,600	3,700	NA	NA	8.21	6.73	1.48	NA
MW-6	04/10/1991	18,000	920	560	190	480	830	NA	NA	8.21	5.24	2.97	NA
MW-6	07/12/1991	9,500	1,900	670	51	1,100	920	NA	NA	8.21	5.78	2.43	NA

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (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-6	10/08/1991	11,000	5,100	1,000	43	ND	ND	NA	NA	8.21	6.36	1.85	NA
MW-6	02/06/1992	7,200	1,500 a	560	8	720	160	NA	NA	8.21	6.15	2.06	NA
MW-6	05/04/1992	7,900	2,900 a	610	ND	1,500	240	NA	NA	8.21	5.07	3.14	NA
MW-6	07/28/1992	17,000	3,200 a	1,200	ND	3,000	610	NA	NA	8.21	5.85	2.36	NA
MW-6	10/27/1992	15,000	1,300 a	1,300	130	1,700	490	NA	NA	8.21	6.69	1.52	NA
MW-6	01/14/1993	4,900	1,600 a	80	31	330	37	NA	NA	8.21	4.52	3.69	NA
MW-6	04/23/1993	4,800	1,800 a	120	ND	780	73	NA	NA	8.21	4.32	3.89	NA
MW-6	07/20/1993	19a	910 a	570	18	1,100	130	NA	NA	11.04	5.39	5.65	NA
MW-6	10/18/1993	24,000	2,500 a	770	440	1,600	830	NA	NA	11.04	6.67	4.37	NA
MW-6	01/06/1994	20 a	2,300 a	450	30	530	52	NA	NA	11.04	5.66	5.38	NA
MW-6	04/12/1994	3,600	1,600	150	ND	340	21	NA	NA	11.04	4.91	6.13	NA
MW-6	07/25/1994	1,600	2,200 a	160	ND	ND	10	NA	NA	11.04	5.55	5.49	NA
MW-6 (D)	07/25/1994	1,000	2,400 a	160	ND	ND	18	NA	NA	11.04	5.55	5.49	NA
MW-6	10/25/1994	9,800	3,000 a	390	22	300	57	NA	NA	11.04	6.24	4.80	NA
MW-6	01/09/1995	2,200	800 a	74	12	400	39	NA	NA	11.04	4.58	6.46	NA
MW-6	04/11/1995	5,000	7,700	330	15	760	85	NA	NA	11.04	4.04	7.00	NA
MW-6	07/18/1995	4,200	1,700	320	11	490	22	NA	NA	11.04	5.01	6.03	NA
MW-6	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	11.04	5.86	5.18	NA
MW-6	01/09/1996	5,600	790	59	<5	180	12	14,000	NA	11.04	4.75	6.29	NA
MW-6	04/02/1996	1,500	NA	12	<5	170	9	1,900	NA	11.04	3.82	7.22	NA
MW-6	10/03/1996	2,600	1,800	110	<25	<25	<25	11,000	NA	11.04	5.27	5.77	2.2
MW-6	04/03/1997	<2,500	650	30	<25	32	<25	10,000	NA	11.04	4.42	6.62	2.0
MW-6	10/08/1997	1,900	1,100	31	<5.0	6.1	<5.0	2,600	NA	11.04	4.70	6.34	1.0
MW-6	06/10/1998	<1,000	1,500	17	12	14	88	14,000	NA	11.04	4.36	6.68	0.4/0.4
MW-6	12/30/1998	260	528	<2.50	<2.50	<2.50	<2.50	909	NA	11.04	4.98	6.06	2.1/1.6
MW-6 *	06/25/1999	<2,500	NA	<25.0	<25.0	<25.0	<25.0	8,850	7,630	11.04	4.81	6.23	1.4/3.6

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (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-6	12/28/1999	526	416	7.60	<1.00	<1.00	<1.00	1,510	NA	11.04	5.17	5.87	1.8/2.0
MW-6	05/31/2000	2,870	998	45.7	4.70	8.61	<2.50	3,780	NA	11.04	4.58	6.46	0.92/2.30
MW-6	10/17/2000	2,370	944a	49.8	5.36	<5.00	<5.00	746	NA	11.04	4.80	6.24	2.5/2.1
MW-6	05/01/2001	3,000	706	2.72	<2.50	4.46	<2.50	473	NA	11.04	4.75	6.29	2.2/1.6
MW-6	05/29/2001	NA	NA	NA	NA	NA	NA	NA	NA	11.04	4.86	6.18	2.0/1.3
MW-6	11/05/2001	NA	NA	NA	NA	NA	NA	NA	NA	11.04	5.73	5.31	0.6
MW-6	11/07/2001	1,700	180	1.3	1.2	1.3	1.1	NA	430	11.04	5.75	5.29	2.4/1.8
MW-6	05/01/2002	1,400	<300	2.0	0.61	4.3	0.68	NA	220	11.04	4.47	6.57	2.5/2.0
MW-6	07/16/2002	3,500	<600	31	1.5	5.7	1.2	NA	220	11.04	5.05	5.99	0.6/0.6
MW-6	10/17/2002	3,000	<700	27	1.7	2.9	1.8	NA	340	10.59	5.80	4.79	1.2/1.1
MW-6	01/21/2003	900	<200	1.5	<0.50	1.4	<0.50	NA	73	10.59	4.39	6.20	0.8/0.6
MW-6	**05/01/2003**	**700 f**	**160 f**	**0.58**	**<0.50**	**0.82**	**<1.0**	**NA**	**71**	**10.59**	**4.19**	**6.40**	**NA**
MW-7	05/23/1989	47,000	11,000	3,500	5,000	1,500	7,800	NA	NA	7.44	5.48	1.96	NA
MW-7	08/03/1989	68,000	22,000	6,200	6,600	3,600	8,800	NA	NA	7.44	4.22	3.22	NA
MW-7	12/15/1989	100,000	12,000	4,500	5,300	1,300	5,300	NA	NA	7.44	4.58	2.86	NA
MW-7	02/07/1990	96,000	8,100	15,000	15,000	2,500	14,000	NA	NA	7.44	5.34	2.10	NA
MW-7	04/18/1990	94,000	10,000	25,000	13,000	3,300	13,000	NA	NA	7.44	4.92	2.52	NA
MW-7	07/23/1990	84,000	12,000	3,800	26,000	13,000	3,000	NA	NA	7.44	4.99	2.45	NA
MW-7	09/27/1990	43,000	ND	25,000	6,100	2,400	9,000	NA	NA	7.44	6.16	1.28	NA
MW-7	01/03/1991	78,000	3,100	26,000	16,000	3,000	14,000	NA	NA	7.44	4.96	2.48	NA
MW-7	04/10/1991	140,000	1,800	26,000	16,000	2,200	14,000	NA	NA	7.44	4.13	3.31	NA
MW-7	07/12/1991	79,000	1,100	7,700	7,200	2,300	10,000	NA	NA	7.44	4.98	2.46	NA
MW-7	10/08/1991	55,000	390 a	29,000	7,500	1,800	9,300	NA	NA	7.44	5.48	1.96	NA
MW-7	02/06/1992	63,000	9,600 a	16,000	8,700	1,600	7,400	NA	NA	7.44	5.05	2.39	NA
MW-7	05/04/1992	67,000	9,800 a	22,000	13,000	1,800	9,400	NA	NA	7.44	4.43	3.01	NA

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-7	07/28/1992	85,000	13,000 a	26,000	17,000	2,900	15,000	NA	NA	7.44	4.88	2.56	NA
MW-7	10/27/1992	63,000	1,900 a	21,000	11,000	3,000	11,000	NA	NA	7.44	5.39	2.05	NA
MW-7	01/14/1993	120,000	2,300 a	28,000	21,000	1,600	15,000	NA	NA	7.44	4.26	3.18	NA
MW-7	04/23/1993	60,000	12,000 a	17,000	3,700	2,200	11,000	NA	NA	7.44	4.04	3.40	NA
MW-7 (D)	04/23/1993	50,000	14,000 a	17,000	4,200	2,200	11,000	NA	NA	7.44	4.04	3.40	NA
MW-7	07/20/1993	47,000	13,000	23,000	9,900	2,200	12,000	NA	NA	10.28	4.36	5.92	NA
MW-7	10/18/1993	44,000	10,000 a	22,000	3,800	2,600	10,000	NA	NA	10.28	5.14	5.14	NA
MW-7	01/06/1994	65,000	5,200 a	16,000	4,900	1,900	8,500	NA	NA	10.28	4.83	5.45	NA
MW-7	04/12/1994	68,000	3,400	12,000	2,000	580	6,400	NA	NA	10.28	4.24	6.04	NA
MW-7	07/25/1994	63,000	4,200 a	16,000	5,800	300	8,300	NA	NA	10.28	4.58	5.70	NA
MW-7	10/25/1994	46,000	3,800 a	16,000	3,700	1,200	7,300	NA	NA	10.28	5.07	5.21	NA
MW-7	01/09/1995	62,000	3,300 a	24,000	8,500	1,100	9,400	NA	NA	10.28	3.38	6.90	NA
MW-7 (D)	01/11/1995	57,000	3,200 a	9,500	7,900	620	8,000	NA	NA	10.28	3.38	6.90	NA
MW-7	04/11/1995	53,000	7,000	13,000	4,200	1,500	7,700	NA	NA	10.28	3.52	6.76	NA
MW-7 (D)	04/12/1995	55,000	7,600	11,000	3,700	1,300	6,400	NA	NA	10.28	3.52	6.76	NA
MW-7	07/18/1995	95,000	2,700	24,000	8,000	2,100	12,000	NA	NA	10.28	4.70	5.58	NA
MW-7	10/18/1995	Well abandoned		NA	NA	NA	NA	NA	NA	10.28	5.25	5.03	NA
MW-8	05/23/1989	ND	100	ND	ND	ND	ND	NA	NA	7.79	6.62	1.17	NA
MW-8	08/03/1989	ND	75	ND	ND	ND	ND	NA	NA	7.79	6.62	1.17	NA
MW-8	12/15/1989	ND	ND	ND	ND	ND	ND	NA	NA	7.79	6.71	1.08	NA
MW-8	03/08/1990	ND	ND	ND	ND	ND	ND	NA	NA	7.79	4.95	2.84	NA
MW-8	04/18/1990	NA	NA	NA	NA	NA	NA	NA	NA	7.79	6.40	1.89	NA
MW-8	07/23/1990	ND	ND	ND	ND	ND	ND	NA	NA	7.79	6.62	1.17	NA
MW-8	09/27/1990	ND	1,100	ND	ND	ND	ND	NA	NA	7.79	6.98	0.81	NA
MW-8	01/03/1991	ND	ND	1.3	ND	ND	ND	NA	NA	7.79	7.03	0.76	NA

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (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-8	04/10/1991	50	ND	0.7	1.1	0.8	1	NA	NA	7.79	4.40	3.39	NA
MW-8	07/12/1991	ND	ND	ND	ND	ND	ND	NA	NA	7.79	6.80	0.99	NA
MW-8	10/08/1991	ND	ND	1.4	ND	ND	ND	NA	NA	7.79	7.56	0.23	NA
MW-8	02/06/1992	ND	60 a	ND	0.7	ND	ND	NA	NA	7.79	6.94	0.85	NA
MW-8	05/04/1992	ND	210 a	ND	ND	ND	ND	NA	NA	7.79	5.86	1.93	NA
MW-8	07/28/1992	51	ND	ND	ND	1	0.6	NA	NA	7.79	6.94	0.85	NA
MW-8	10/27/1992	ND	ND	ND	6.6	ND	ND	NA	NA	7.79	7.83	-0.04	NA
MW-8	01/14/1993	ND	64a	ND	ND	ND	ND	NA	NA	7.79	3.60	4.19	NA
MW-8 (D)	01/14/1993	ND	NA	ND	ND	ND	ND	NA	NA	7.79	3.60	4.19	NA
MW-8	04/23/1993	ND	ND	ND	ND	ND	ND	NA	NA	7.79	4.12	3.67	NA
MW-8	07/20/1993	ND	ND	0.7	0.7	0.8	4.1	NA	NA	10.61	6.38	4.23	NA
MW-8	10/18/1993	ND	ND	ND	800	ND	ND	NA	NA	10.61	7.47	3.14	NA
MW-8	01/06/1994	ND	ND	ND	ND	ND	ND	NA	NA	10.61	7.20	3.41	NA
MW-8	04/12/1994	ND	ND	ND	ND	ND	ND	NA	NA	10.61	6.16	4.45	NA
MW-8	07/25/1994	ND	ND	ND	ND	ND	ND	NA	NA	10.61	6.94	3.67	NA
MW-8	10/25/1994	ND	ND	ND	1	ND	ND	NA	NA	10.61	7.43	3.18	NA
MW-8	01/09/1995	ND	70 a	ND	ND	ND	ND	NA	NA	10.61	3.98	6.63	NA
MW-8	04/11/1995	ND	78	0.63	1.3	ND	0.75	NA	NA	10.61	4.12	6.49	NA
MW-8	07/18/1995	ND	130	ND	ND	ND	ND	NA	NA	10.61	5.21	5.40	NA
MW-8	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	10.61	5.58	5.03	NA
MW-8	01/09/1996	<50	ND	<0.5	<0.5	<0.5	<0.5	ND	NA	10.61	5.09	5.52	NA
MW-8	04/02/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	10.61	3.42	7.19	NA
MW-8	10/03/1996	<50	<69	<0.5	<0.5	<0.5	<0.5	<2.5	NA	10.61	4.30	6.31	NA
MW-8	04/03/1997	<50	62	<0.50	<0.50	<0.50	0.91	<2.5	NA	10.61	4.58	6.03	2.6
MW-8	10/08/1997	<50	57	<0.50	<0.50	<0.50	<0.50	<2.5	NA	10.61	3.00	7.61	3.6
MW-8	06/10/1998	NA	NA	NA	NA	NA	NA	NA	NA	10.61	2.88	7.73	NA

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (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-8	12/30/1998	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	10.61	5.38	5.23	0.8/0.9
MW-8	06/25/1999	NA	NA	NA	NA	NA	NA	NA	NA	10.61	4.53	6.08	NA
MW-8	12/28/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	10.61	4.93	5.68	1.0/0.9
MW-8	05/31/2000	NA	NA	NA	NA	NA	NA	NA	NA	10.61	4.02	6.59	NA
MW-8	10/17/2000	<50.0	143a	<0.500	<0.500	<0.500	<0.500	<2.50	NA	10.61	3.10	7.51	4.0/4.1
MW-8	05/01/2001	NA	NA	NA	NA	NA	NA	NA	NA	10.61	4.12	6.49	NA
MW-8	11/05/2001	<50	<50	<0.50	0.99	<0.50	<0.50	NA	<5.0	10.61	5.00	5.61	0.6/1.3
MW-8	05/01/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	10.61	3.25	7.36	0.6/3.6
MW-8	07/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	10.61	3.64	6.97	NA
MW-8	10/17/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	10.18	4.53	5.65	3.3/2.2
MW-8	01/21/2003	NA	NA	NA	NA	NA	NA	NA	NA	10.18	3.98	6.20	NA
MW-8	**05/01/2003**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<5.0**	**10.18**	**4.00**	**6.18**	**NA**
MW-9	08/03/1989	47,000	12,000	5,600	6,600	1,500	8,500	NA	NA	7.63	5.78	1.85	NA
MW-9	12/15/1989	88,000	9,200	4,300	5,400	140	5,600	NA	NA	7.63	5.24	2.39	NA
MW-9	02/07/1990	50,000	7,400	1,800	1,400	3,200	1,800	NA	NA	7.63	5.23	2.40	NA
MW-9	04/18/1990	50,000	7,500	14,000	11,000	730	10,000	NA	NA	7.63	5.34	2.29	NA
MW-9	07/23/1990	62,000	3,200	19,000	16,000	950	15,000	NA	NA	7.63	5.65	1.98	NA
MW-9	09/27/1990	30,000	2,700	16,000	6,500	980	11,000	NA	NA	7.63	5.96	1.67	NA
MW-9	01/03/1991	34,000	2,500	9,200	3,200	770	7,000	NA	NA	7.63	6.23	1.40	NA
MW-9	04/10/1991	66,000	2,200	17,000	13,000	1,400	14,000	NA	NA	7.63	4.65	2.98	NA
MW-9	07/12/1991	40,000	2,000	7,700	3,200	1,100	9,400	NA	NA	7.63	5.65	1.98	NA
MW-9	10/08/1991	20,000	4,700 a	11,000	640	240	6,000	NA	NA	7.63	6.08	1.55	NA
MW-9	02/06/1992	36,000	6,600 a	11,000	490	1,100	6,700	NA	NA	7.63	5.92	1.71	NA
MW-9	05/04/1992	31,000	5,800 a	11,000	1,700	1,200	8,700	NA	NA	7.63	4.80	2.83	NA
MW-9	07/28/1992	50,000	14,000	17,000	1,200	1,500	12,000	NA	NA	7.63	5.61	2.02	NA

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (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-9	10/27/1992	43,000	880 a	15,000	680	1,700	8,100	NA	NA	7.63	6.24	1.39	NA
MW-9	01/14/1993	52,000	730 a	9,600	1,100	1,100	7,000	NA	NA	7.63	4.95	2.68	NA
MW-9	04/23/1993	45,000	8,000 a	11,000	1,400	1,500	10,000	NA	NA	7.63	4.54	3.09	NA
MW-9	07/20/1993	25,000	5,100	10,000	320	1,100	7,100	NA	NA	10.48	5.25	5.23	NA
MW-9	10/18/1993	32,000	4,900 a	14,000	530	2,000	10,000	NA	NA	10.48	6.00	4.48	NA
MW-9	01/06/1994	41,000	7,700 a	15,000	810	1,400	9,000	NA	NA	10.48	5.62	4.86	NA
MW-9 (D)	01/06/1994	43,000	8,300 a	15,000	920	1,300	8,000	NA	NA	10.48	5.62	4.86	NA
MW-9	04/12/1994	39,000	2,000	8,300	ND	ND	4,000	NA	NA	10.48	4.31	6.17	NA
MW-9	07/25/1994	22,000	3,600 a	7,500	150	ND	4,100	NA	NA	10.48	5.43	5.05	NA
MW-9	10/25/1994	31,000	3,200 a	13,000	240	1,000	8,500	NA	NA	10.48	6.00	4.48	NA
MW-9 (D)	10/26/1994	31,000	3,500 a	13,000	220	1,100	8,300	NA	NA	10.48	6.00	4.48	NA
MW-9	01/09/1995	4,800	2,300 a	1,200	510	42	1,400	NA	NA	10.48	4.26	6.22	NA
MW-9	04/11/1995	20,000	3,400	5,100	460	400	3,400	NA	NA	10.48	4.08	6.40	NA
MW-9	07/18/1995	43,000	2,900	12,000	1,800	960	9,100	NA	NA	10.48	5.07	5.41	NA
MW-9	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	10.48	5.82	4.66	NA
MW-9	01/09/1996	64,000	2,800	12,000	5,400	1,800	10,000	2100	NA	10.48	4.36	6.12	NA
MW-9	04/02/1996	39,000	NA	10,000	100	520	4,100	<500	NA	10.48	3.86	6.62	NA
MW-9	10/03/1996	46,000	3,100	12,000	180	1,400	6,700	2,300	NA	10.48	4.90	5.58	1.4
MW-9	04/03/1997	36,000	2,300	9,700	140	580	3,900	<500	NA	10.48	3.98	6.50	1.8
MW-9	10/08/1997	34,000	3,500	6,900	<100	830	4,500	<125	NA	10.48	4.17	6.31	0.8
MW-9	06/10/1998	20,000	2,500	9,900	250	3,100	170	460	NA	10.48	3.84	6.64	0.3/0.4
MW-9	12/30/1998	30,100	1,900	8,500	166	603	3,340	<100	NA	10.48	4.72	5.76	1.1/1.2
MW-9 *	06/25/1999	26,300	NA	8,090	73.5	409	2,730	<100	NA	10.48	4.47	6.01	1.2/2.4
MW-9	12/28/1999	4,130	839	1,260	57.9	103	213	1,470	NA	10.48	4.82	5.66	1.0/1.1
MW-9	05/31/2000	8,210	1,300	9,290	62.3	141	908	565	NA	10.48	3.87	6.61	2.8/c
MW-9	10/17/2000	19,000	1,510 a	5,420	54.5	479	2,680	<250	NA	10.48	3.87	6.61	3.0/3.5

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (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-9	05/01/2001	24,300	976	11,200	52.9	159	1,610	<250	NA	10.48	4.44	6.04	1.6/1.0
MW-9	05/29/2001	NA	NA	NA	NA	NA	NA	NA	NA	10.48	3.99	6.49	1.9/1.5
MW-9	11/05/2001	NA	NA	NA	NA	NA	NA	NA	NA	10.48	5.41	5.07	0.7
MW-9	11/07/2001	25,000	<1,000	7,300	85	630	4,100	NA	<250	10.48	5.60	4.88	1.4/1.1
MW-9	05/01/2002	27,000	<700	11,000	79	260	1,300	NA	<500	10.48	3.38	7.10	2.9/1.1
MW-9	07/16/2002	29,000	<700	12,000	<50	74	810	NA	<500	10.48	4.04	6.44	0.7/0.4
MW-9	10/17/2002	15,000	<800	10,000	31	36	490	NA	53	10.07	4.92	5.15	1.0/1.2
MW-9	01/21/2003	8,500	<400	3,100	39	190	590	NA	<200	10.07	4.52	5.55	0.4/0.8
MW-9	**05/01/2003**	**16,000 f**	**1,600 f**	**4,900**	**<100**	**<100**	**1,500**	**NA**	**<1,000**	**10.07**	**4.05**	**6.02**	**NA**
MW-10	12/15/1989	ND	3,100	1,500	ND	ND	ND	NA	NA	7.45	6.33	0.82	NA
MW-10	03/08/1990	25,000	1,800	17,000	330	2,100	1,400	NA	NA	7.45	5.41	2.00	NA
MW-10	04/18/1990	23,000	3,600	15,000	1,200	190	3,300	NA	NA	7.45	5.60	1.85	NA
MW-10	07/23/1990	18,000	1,900	12,000	380	ND	1,400	NA	NA	7.45	5.81	1.64	NA
MW-10	09/27/1990	9,500	430	13,000	100	1,800	230	NA	NA	7.45	6.64	0.81	NA
MW-10	01/03/1991	4,300	630	3,700	10	ND	110	NA	NA	7.45	6.96	0.49	NA
MW-10	04/10/1991	45,000	1,400	16,000	4,600	3,000	6,900	NA	NA	7.45	4.70	2.75	NA
MW-10	07/12/1991	ND	ND	ND	ND	ND	ND	NA	NA	7.45	5.90	1.55	NA
MW-10	10/08/1991	3,800	1,500 a	13,000	82	9	500	NA	NA	7.45	6.68	0.77	NA
MW-10	02/06/1992	22,000	1,600 a	12,000	ND	600	170	NA	NA	7.45	7.04	0.41	NA
MW-10	05/04/1992	39,000	8,000 a	14,000	5,000	1,800	5,000	NA	NA	7.45	4.69	2.76	NA
MW-10	07/28/1992	38,000	8,700 a	17,000	2,800	1,500	4,000	NA	NA	7.45	6.00	1.45	NA
MW-10	10/27/1992b	NA	NA	NA	NA	NA	NA	NA	NA	7.45	NA	NA	NA
MW-10	01/14/1993	26,000	950 a	10,000	ND	ND	160	NA	NA	7.45	6.07	1.38	NA
MW-10	04/23/1993	80,000	1,900 a	21,000	13,000	3,400	12,000	NA	NA	7.45	4.14	3.31	NA
MW-10	07/20/1993	31,000	4,800	14,000	4,200	1,700	5,500	NA	NA	10.61	5.62	4.99	NA

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (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-10	10/18/1993	13,000	1,200 a	8,600	220	ND	450	NA	NA	10.61	6.43	4.18	NA
MW-10	01/06/1994	16,000	670 a	9,700	<125	<125	210	NA	NA	10.61	6.74	3.87	NA
MW-10	04/12/1994	16,000	860	5,600	ND	ND	ND	NA	NA	10.61	5.98	4.63	NA
MW-10	07/25/1994	2,300	2,100 a	1,400	26	25	51	NA	NA	10.61	6.31	4.30	NA
MW-10	10/25/1994	1,400	1,000 a	290	5	2	38	NA	NA	10.61	6.64	3.97	NA
MW-10	01/09/1995	16,000	2,300 a	7,500	1,400	230	1,500	NA	NA	10.61	5.70	4.91	NA
MW-10	04/11/1995	54,000	5,000	13,000	4,500	1,500	4,500	NA	NA	10.61	5.82	4.79	NA
MW-10	07/18/1995	72,000	2,600	20,000	7,200	2,800	9,000	NA	NA	10.61	6.79	3.82	NA
MW-10	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	10.61	5.31	5.30	NA
MW-10	01/09/1996	32,000	2,100	8,000	1,600	880	3,200	12,000	NA	10.61	5.92	4.69	NA
MW-10	04/02/1996	68,000	NA	9,100	2,300	1,100	3,700	3,300	NA	10.61	5.43	5.18	NA
MW-10	10/03/1996	33,000	2,900	11,000	1,300	830	2,400	7,300	NA	10.61	6.07	4.54	1.7
MW-10 (D)	10/03/1996	40,000	3,300	12,000	1,700	1,100	3,100	6,500	NA	10.61	6.07	4.54	1.7
MW-10	04/03/1997	36,000	3,400	12,000	2,300	1,400	4,500	2,300	NA	10.61	3.45	7.16	1.8
MW-10 (D)	04/03/1997	52,000	3,000	12,000	2,300	1,400	4,500	2,100	NA	10.61	3.45	7.16	1.8
MW-10	10/08/1997	20,000	3,100	7,500	420	470	1,300	1,500	NA	10.61	3.72	6.89	1.2
MW-10	06/10/1998	48,000	2,500	14,000	2,600	1,500	4,800	1,800	NA	10.61	4.00	6.61	0.7/0.5
MW-10	12/30/1998	17,800	2,820	6,000	136	344	639	1,250	NA	10.61	5.26	5.35	1.0/0.7
MW-10 *	06/25/1999	17,600	NA	6,150	212	287	687	1,740	NA	10.61	4.49	6.12	0.9/2.5
MW-10	12/28/1999	10,800	1,400	3,370	155	321	626	3,740	NA	10.61	4.87	5.74	1.2/1.4
MW-10	05/31/2000	3,020	2,270	1,080	34.3	118	251	775	NA	10.61	3.48	7.13	2.8/3.9
MW-10	10/17/2000	15,500	1,750 a	7,450	54.7	387	308	3,840	4,300	10.61	4.25	6.36	2.3/3.0
MW-10	05/01/2001	27,900	2,260	9,920	1,050	1,020	2,370	2,180	NA	10.61	5.40	5.21	2.0/1.1
MW-10	05/29/2001	NA	NA	NA	NA	NA	NA	NA	NA	10.61	3.74	6.87	3.70/1.8
MW-10	11/05/2001	NA	NA	NA	NA	NA	NA	NA	NA	10.61	6.08	4.53	0.6
MW-10	11/07/2001	14,000	360	5,300	260	430	810	NA	1,700	10.61	5.45	5.16	1.8/1.0

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (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-10	05/01/2002	79,000	<1,500	16,000	4,400	3,300	8,800	NA	890	10.61	4.62	5.99	4.0/0.5
MW-10	07/16/2002	21,000	<1,000	6,500	350	460	1,000	NA	1,200	10.61	5.80	4.81	0.5/1.5
MW-10	10/17/2002	17,000	<1,800	5,800	290	520	1,100	NA	980	9.81	5.27	4.54	0.8/1.2
MW-10	01/21/2003	52,000	<2,000	13,000	2,000	2,100	4,800	NA	<1,000	9.81	5.72	4.09	0.3/0.6
MW-10	**05/01/2003**	**40,000**	**3,800 f**	**13,000**	**1,700**	**2,200**	**5,000**	**NA**	**2,900**	**9.81**	**4.29**	**5.52**	**NA**
MW-11	07/20/1993	50	ND	2.5	1.9	3.9	18	NA	NA	10.56	8.08	2.48	NA
MW-11	10/18/1993	ND	65	ND	ND	ND	ND	NA	NA	10.56	8.24	2.32	NA
MW-11	01/06/1994	ND	ND	ND	ND	ND	ND	NA	NA	10.56	8.47	2.09	NA
MW-11	04/12/1994	ND	ND	1.1	0.87	ND	1.5	NA	NA	10.56	8.44	2.12	NA
MW-11	07/25/1994	ND	ND	ND	ND	ND	ND	NA	NA	10.56	8.20	2.36	NA
MW-11	10/25/1994	ND	100	ND	ND	ND	ND	NA	NA	10.56	8.67	1.89	NA
MW-11	01/09/1995	ND	ND	ND	ND	ND	ND	NA	NA	10.56	7.63	2.93	NA
MW-11	04/11/1995	ND	140	ND	0.7	ND	0.5	NA	NA	10.56	8.06	2.50	NA
MW-11	07/18/1995	ND	50	ND	ND	ND	ND	NA	NA	10.56	9.31	1.25	NA
MW-11	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	10.56	8.34	2.22	NA
MW-11	01/09/1996	<50	ND	<0.5	<0.5	<0.5	<0.5	ND	NA	10.56	8.22	2.34	NA
MW-11	04/02/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	10.56	7.97	2.59	NA
MW-11	10/03/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	10.56	8.37	2.19	3.6
MW-11	04/03/1997	<50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	10.56	8.31	2.25	2.2
MW-11	10/08/1997	<50	54	<0.50	<0.50	<0.50	<0.50	<2.5	NA	10.56	8.56	2.00	1.2
MW-11	06/10/1998	NA	NA	NA	NA	NA	NA	NA	NA	10.56	7.85	2.71	NA
MW-11	12/30/1998	<50.0	66.2	<0.500	<0.500	<0.500	<0.500	<2.00	NA	10.56	8.51	2.05	0.7/0.6
MW-11	06/25/1999	NA	NA	NA	NA	NA	NA	NA	NA	10.56	8.01	2.55	NA
MW-11	12/28/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	10.56	8.39	2.17	0.8/1.0
MW-11	05/31/2000	NA	NA	NA	NA	NA	NA	NA	NA	10.56	7.38	3.18	NA

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (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-11	10/17/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	10.56	8.35	2.21	4.1/4.0
MW-11	05/01/2001	NA	NA	NA	NA	NA	NA	NA	NA	10.56	8.15	2.41	NA
MW-11	11/05/2001	Unable to locate		NA	NA	NA	NA	NA	NA	10.56	NA	NA	NA
MW-11	05/01/2002	Unable to locate		NA	NA	NA	NA	NA	NA	10.56	NA	NA	NA
MW-11	05/08/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	10.56	7.82	2.74	1.0/1.1
MW-11	07/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	10.56	7.64	2.92	NA
MW-11	10/17/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	7.95	NA	1.3/1.0
MW-11	01/21/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.57	NA	NA
MW-11	**05/01/2003**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<5.0**	**NA**	**7.62**	**NA**	**NA**
MW-12	07/20/1993	ND	1,500	2.8	1.9	3.2	ND	NA	NA	9.56	6.76	2.80	NA
MW-12	10/18/1993	ND	ND	ND	ND	ND	ND	NA	NA	9.56	7.12	2.44	NA
MW-12	01/06/1994	ND	ND	ND	ND	ND	ND	NA	NA	9.56	7.15	2.41	NA
MW-12	04/12/1994	ND	ND	0.61	ND	ND	1.1	NA	NA	9.56	6.68	2.88	NA
MW-12	07/25/1994	ND	ND	ND	ND	ND	ND	NA	NA	9.56	6.83	2.73	NA
MW-12	10/25/1994	ND	ND	ND	ND	ND	ND	NA	NA	9.56	7.34	2.22	NA
MW-12	01/09/1995	ND	80 a	ND	ND	ND	ND	NA	NA	9.56	5.02	4.54	NA
MW-12	04/11/1995	ND	200	ND	ND	ND	ND	NA	NA	9.56	7.38	2.18	NA
MW-12	07/18/1995	ND	90	ND	ND	ND	ND	NA	NA	9.56	8.50	1.06	NA
MW-12	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	9.56	6.63	2.93	NA
MW-12	01/09/1996	<50	ND	<0.5	<0.5	<0.5	<0.5	ND	NA	9.56	6.32	3.24	NA
MW-12	04/02/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	9.56	5.60	3.96	NA
MW-12	10/03/1996	<50	72	<0.5	<0.5	<0.5	<0.5	<2.5	NA	9.56	3.30	6.26	2.5
MW-12	04/03/1997	<50	74	<0.50	<0.50	<0.50	<0.50	<2.5	NA	9.56	6.13	3.43	2.2
MW-12	10/08/1997	<50	73	<0.50	<0.50	<0.50	<0.50	<2.5	NA	9.56	6.49	3.07	3.0
MW-12	06/10/1998	NA	NA	NA	NA	NA	NA	NA	NA	9.56	5.85	3.71	NA

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (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-12	12/30/1998	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	9.56	8.42	1.14	1.3/0.9
MW-12	06/25/1999	NA	NA	NA	NA	NA	NA	NA	NA	9.56	7.89	1.67	NA
MW-12	12/28/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	9.56	8.26	1.30	1.0/1.2
MW-12	05/31/2000	NA	NA	NA	NA	NA	NA	NA	NA	9.56	7.21	2.35	NA
MW-12	10/17/2000	<50.0	82.9 a	<0.500	<0.500	<0.500	<0.500	<2.50	NA	9.56	6.80	2.76	5.1/3.0
MW-12	05/01/2001	NA	NA	NA	NA	NA	NA	NA	NA	9.56	5.95	3.61	NA
MW-12	11/05/2001	Unable to locate		NA	NA	NA	NA	NA	NA	9.56	NA	NA	NA
MW-12	05/01/2002	Unable to locate		NA	NA	NA	NA	NA	NA	9.56	NA	NA	NA
MW-12	05/08/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	9.56	4.75	4.81	1.2/0.9
MW-12	07/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	9.56	4.88	4.68	NA
MW-12	10/17/2002	<50	81	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	5.11	NA	1.8/1.5
MW-12	01/21/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.76	NA	NA
MW-12	**05/01/2003**	**<50**	**95 f**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<5.0**	**NA**	**5.00**	**NA**	**NA**
MW-13	07/20/1993	ND	1,500	ND	ND	ND	ND	NA	NA	10.10	8.32	1.78	NA
MW-13 (D)	07/21/1993	ND	1,000	ND	ND	ND	ND	NA	NA	10.10	8.32	1.78	NA
MW-13	10/18/1993	ND	ND	ND	ND	ND	ND	NA	NA	10.10	8.66	1.44	NA
MW-13	01/06/1994	ND	ND	ND	ND	ND	ND	NA	NA	10.10	8.70	1.40	NA
MW-13	04/12/1994	ND	100	1.7	1.2	0.59	2.4	NA	NA	10.10	8.20	1.90	NA
MW-13	07/25/1994	ND	ND	ND	ND	ND	ND	NA	NA	10.10	8.39	1.71	NA
MW-13	10/25/1994	ND	ND	ND	ND	ND	ND	NA	NA	10.10	8.70	1.40	NA
MW-13	01/09/1995	ND	ND	ND	ND	ND	ND	NA	NA	10.10	7.35	2.75	NA
MW-13	04/11/1995	ND	320	ND	ND	ND	ND	NA	NA	10.10	5.50	4.60	NA
MW-13	07/18/1995	ND	ND	ND	ND	ND	ND	NA	NA	10.10	6.63	3.47	NA
MW-13	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	10.10	8.12	1.98	NA
MW-13	01/09/1996	<50	ND	<0.5	<0.5	<0.5	<0.5	ND	NA	10.10	7.74	2.36	NA

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (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-13	04/02/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	10.10	6.30	3.80	NA
MW-13	10/03/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	10.10	6.50	3.60	3.0
MW-13	04/03/1997	<50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	10.10	7.58	2.52	2.0
MW-13	10/08/1997	<50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	10.10	8.17	1.93	1.0
MW-13	06/10/1998	NA	NA	NA	NA	NA	NA	NA	NA	10.10	7.54	2.56	NA
MW-13	12/30/1998	<50.0	69.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	10.10	6.91	3.19	1.1/0.8
MW-13	06/25/1999	NA	NA	NA	NA	NA	NA	NA	NA	10.10	6.31	3.79	NA
MW-13	12/28/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	10.10	6.65	3.45	0.8/1.0
MW-13	05/31/2000	NA	NA	NA	NA	NA	NA	NA	NA	10.10	5.94	4.16	NA
MW-13	10/17/2000	<50.0	121 a	<0.500	<0.500	<0.500	<0.500	<2.50	NA	10.10	8.38	1.72	2.5/2.8
MW-13	05/01/2001	NA	NA	NA	NA	NA	NA	NA	NA	10.10	7.65	2.45	NA
MW-13	11/05/2001	Unable to locate		NA	NA	NA	NA	NA	NA	10.10	NA	NA	NA
MW-13	05/01/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	10.10	6.80	3.30	3.5/3.5
MW-13	07/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	10.10	6.84	3.26	NA
MW-13	10/17/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	9.64	6.73	2.91	1.4/0.9
MW-13	01/21/2003	NA	NA	NA	NA	NA	NA	NA	NA	9.64	6.99	2.65	NA
MW-13	**05/01/2003**	**<50**	**<50**	**3.4**	**0.75**	**1.1**	**2.7**	**NA**	**<5.0**	**9.64**	**6.62**	**3.02**	**NA**
VEW-5	09/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.91	NA	NA
VEW-5	10/17/2000	74,800	4,180 a	9,090	14,600	2,630	14,500	632	NA	NA	2.65	NA	3.0/3.1
VEW-5	05/01/2001	94,800	5,350	11,300	12,900	4,520	22,200	419	NA	NA	2.86	NA	0.4/0.6
VEW-5	11/05/2001	82,000	<1,600	14,000	7,400	2,900	15,000	NA	740	NA	4.11	NA	0.6/c
VEW-5	05/01/2002	16,000	<3,000	610	320	7.9	3,600	NA	310	NA	2.63	NA	4.7/2.9
VEW-5	07/16/2002	45,000	<3,000	7,900	2,700	1,000	4,600	NA	920	NA	2.96	NA	0.4/0.3
VEW-5	10/17/2002	<50	200	<0.50	<0.50	<0.50	<0.50	NA	46	8.81	3.55	5.26	1.1/1.0
VEW-5	01/21/2003	740	1,200	53	22	17	70	NA	17	8.81	2.06	6.75	1.6/0.5

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (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)
VEW-5	**05/01/2003**	**1,500**	**1,000 f**	**140**	**92**	**120**	**290**	**NA**	**11**	**8.81**	**2.34**	**6.47**	**NA**
VEW-6	09/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.94	NA	NA
VEW-6	10/17/2000	63,800	4,820 a	6,940	2,750	2,760	18,700	3,700	NA	NA	3.13	NA	2.0/2.1
VEW-6	05/01/2001	57,000	3,460	6,280	697	2,640	15,800	6,240	NA	NA	3.25	NA	0.8/1.2
VEW-6	05/29/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.17	NA	3.0/1.7
VEW-6	11/05/2001	39,000	<1,300	6,800	380	1,900	7,900	NA	8,800	NA	4.35	NA	0.8/1.3
VEW-6	05/01/2002	24,000	<4,500	1,800	270	470	3,700	NA	3,100	NA	2.73	NA	0.2/0.4
VEW-6	07/16/2002	19,000	<2,700	1,900	250	140	3,500	NA	2,900	NA	3.59	NA	0.3/0.2
VEW-6	10/17/2002	<50	110	<0.50	<0.50	<0.50	<0.50	NA	13	9.33	4.33	5.00	0.9/1.3
VEW-6	01/21/2003	900	<500	30	1.1	20	61	NA	110	9.33	3.08	6.25	4.6/5.6
VEW-6	**05/01/2003**	**1,100 f**	**290 f**	**41**	**<5.0**	**58**	**66**	**NA**	**89**	**9.33**	**2.79**	**6.54**	**NA**
VEW-7	09/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.59	NA	NA
VEW-7	10/17/2000	74,300	3,990 a	11,900	12,500	1,640	15,500	36,600	NA	NA	3.72	NA	3.5/4.1
VEW-7	05/01/2001	46,000	1,930	7,250	5,300	1,960	9,820	15,600	16,900	NA	3.40	NA	0.8/0.8
VEW-7	05/29/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.54	NA	2.5/1.4
VEW-7	11/05/2001	38,000	<900	9,300	610	1,700	6,000	NA	21,000	NA	4.85	NA	3.52/c
VEW-7	05/01/2002	590	<600	6.3	7.2	<2.5	81	NA	1,100	NA	2.62	NA	2.9/3.3
VEW-7	07/16/2002	95	54	1.5	<0.50	1.5	6.1	NA	100	NA	3.84	NA	3.6/2.5
VEW-7	10/17/2002	<50	110	1.4	<0.50	<0.50	<0.50	NA	34	9.49	4.93	4.56	3.0/1.9
VEW-7	01/21/2003	<50	180	0.88	<0.50	<0.50	4.2	NA	19	9.49	3.27	6.22	0.3/0.8
VEW-7	**05/01/2003**	**2,200**	**1,000 f**	**62**	**8.0**	**230**	**80**	**NA**	**360**	**9.49**	**2.95**	**6.54**	**NA**
AS-1	09/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.67	NA	NA
AS-1	10/17/2000	13,400	3,280 a	1,600	82.8	<20.0	2,600	498	NA	NA	5.50	NA	2.0/2.5

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (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)
AS-1	05/01/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AS-1	11/05/2001	5,300	<900	85	26	46	120	NA	190	NA	6.11	NA	0.4/0.5
AS-1	05/01/2002	Insufficient water		NA	NA	NA	NA	NA	NA	NA	14.73	NA	NA
AS-1	07/16/2002	210	<150	8.2	<0.50	7.9	3.5	NA	25	NA	5.59	NA	4.6/2.8
AS-1	10/17/2002	Well dry	NA	NA	NA	NA	NA	NA	NA	8.23	NA	NA	NA
AS-1	01/21/2003	<50	220	0.62	<0.50	<0.50	<0.50	NA	<5.0	8.23	9.51	-1.28	2.2/2.5
AS-1	**05/01/2003**	**79**	**96 f**	**2.2**	**0.99**	**5.1**	**4.8**	**NA**	**<5.0**	**8.23**	**5.75**	**2.48**	**NA**
AS-2	09/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.38	NA	NA
AS-2	10/17/2000	4,380	1,380 a	167	<10.0	225	680	315	NA	NA	5.50	NA	3.1/3.0
AS-2	05/01/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AS-2	11/05/2001	2,200	<300	100	0.99	91	21	NA	220	NA	5.99	NA	0.8/0.6
AS-2	05/01/2002	880	<300	19	<0.50	31	22	NA	57	NA	5.25	NA	1.0/0.8
AS-2	07/16/2002	910	<200	40	4.1	39	43	NA	78	NA	5.53	NA	0.7/0.9
AS-2	10/17/2002	Well dry	NA	NA	NA	NA	NA	NA	NA	8.65	NA	NA	NA
AS-2	01/21/2003	<50	140	1.4	<0.50	2.0	0.94	NA	19	8.65	9.32	-0.67	1.4/1.6
AS-2	**05/01/2003**	**56**	**120 f**	**2.1**	**<0.50**	**4.7**	**<1.0**	**NA**	**12**	**8.65**	**6.74**	**1.91**	**NA**
AS-3	09/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.75	NA	NA
AS-3	10/17/2000	3,520	942 a	588	521	41.2	566	1,740	NA	NA	6.18	NA	3.1/3.0
AS-3	05/01/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AS-3	11/05/2001	1,600	110	41	4.9	8.2	30	NA	240	NA	6.41	NA	1.1/3.2
AS-3	05/01/2002	Insufficient water		NA	NA	NA	NA	NA	NA	NA	14.90	NA	NA
AS-3	07/16/2002	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AS-3	10/17/2002	Insufficient water		NA	NA	NA	NA	NA	NA	8.84	14.78	-5.94	NA
AS-3	01/21/2003	<50	320	<0.50	<0.50	<0.50	<0.50	NA	<5.0	8.84	11.59	-2.75	2.2/1.1

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (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)
AS-3	05/01/2003	57	150 f	0.53	<0.50	4.7	2.7	NA	<5.0	8.84	6.44	2.40	NA

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to November 5, 2001, analyzed by EPA Method 8015.
TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to November 5, 2001, analyzed by EPA Method 8020.
MTBE = Methyl-tertiary-butyl ether
TOC = Top of Casing Elevation
TOB = Top of Wellbox
GW = Groundwater
DO = Dissolved Oxygen
ug/L = Parts per billion
ppm = Parts per million
MSL = Mean sea level
ft = Feet
<n = Below detection limit
D = Duplicate sample
n/n = Dissolved oxygen reading; pre-purge/post-purge.
NA = Not applicable

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (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)

Notes:

a = Chromatogram pattern indicates an unidentified hydrocarbon.

b = Sample was analyzed outside of EPA recommended holding time.

c = Post-purge DO reading not taken.

d = Lab did not record detected result.

e = Change in casing elevation due to wellhead maintenance.

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

* All diesel and motor oil samples for this event were lost in laboratory fire.

Site surveyed (except wells MW-11 and MW-12) March 18, 2002, by Virgil Chavez Land Surveying of Vallejo, California.

SEVERN TRENT STL

Submission#: 2003-05-0092

Blaine Tech Services, Inc.

May 16, 2003

1680 Rogers Avenue
San Jose, CA 95112-1105

Attn.: Leon Gearhart

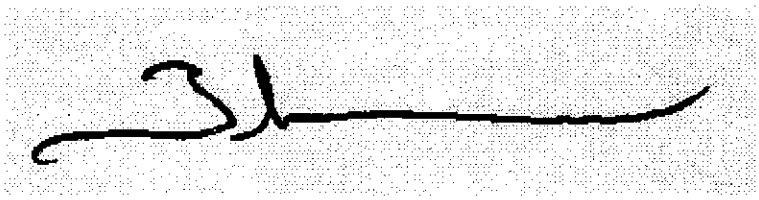
Project#: 030501-SS1
Project: 98995749
Site: 285 Hegenberger Road Oakland

Dear Mr.Gearhart,

Attached is our report for your samples received on 05/02/2003 15:03
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 06/16/2003 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: tgranicher@stl-inc.com

Sincerely,



Tod Granicher
Project Manager

SEVERN TRENT STL

Submission #: 2003-05-0092

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

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

Project: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	05/01/2003 13:35	Water	1
MW-2	05/01/2003 13:15	Water	2
MW-3	05/01/2003 13:00	Water	3
MW-4	05/01/2003 12:30	Water	4
MW-6	05/01/2003 13:25	Water	5
MW-8	05/01/2003 12:50	Water	6
MW-9	05/01/2003 13:45	Water	7
MW-10	05/01/2003 14:05	Water	8
MW-11	05/01/2003 10:47	Water	9
MW-12	05/01/2003 11:32	Water	10
MW-13	05/01/2003 11:14	Water	11
VEW-5	05/01/2003 14:41	Water	12
VEW-6	05/01/2003 13:06	Water	13
VEW-7	05/01/2003 14:15	Water	14
AS-1	05/01/2003 14:43	Water	15
AS-2	05/01/2003 12:44	Water	16
AS-3	05/01/2003 14:25	Water	17

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

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Project: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	**MW-1**	Lab ID:	2003-05-0092 - 1
Sampled:	05/01/2003 13:35	Extracted:	5/6/2003 11:10
Matrix:	Water	QC Batch#:	2003/05/06-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	4900	50	ug/L	1.00	05/07/2003 23:28	ndp
Motor Oil	ND	500	ug/L	1.00	05/07/2003 23:28	
Surrogates(s)						
o-Terphenyl	84.9	60-130	%	1.00	05/07/2003 23:28	

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

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Project: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	**MW-2**	Lab ID:	2003-05-0092 - 2
Sampled:	05/01/2003 13:15	Extracted:	5/6/2003 11:10
Matrix:	Water	QC Batch#:	2003/05/06-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	05/08/2003 00:05	
Motor Oil	ND	500	ug/L	1.00	05/08/2003 00:05	
Surrogates(s)						
o-Terphenyl	97.3	60-130	%	1.00	05/08/2003 00:05	

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

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Project: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	**MW-3**	Lab ID:	2003-05-0092 - 3
Sampled:	05/01/2003 13:00	Extracted:	5/6/2003 11:10
Matrix:	Water	QC Batch#:	2003/05/06-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	05/08/2003 00:42	
Motor Oil	ND	500	ug/L	1.00	05/08/2003 00:42	
Surrogates(s)						
o-Terphenyl	97.5	60-130	%	1.00	05/08/2003 00:42	

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

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Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	**MW-4**	Lab ID:	2003-05-0092 - 4
Sampled:	05/01/2003 12:30	Extracted:	5/6/2003 11:10
Matrix:	Water	QC Batch#:	2003/05/06-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	57	50	ug/L	1.00	05/08/2003 01:19	ndp
Motor Oil	ND	500	ug/L	1.00	05/08/2003 01:19	
Surrogates(s)						
o-Terphenyl	98.2	60-130	%	1.00	05/08/2003 01:19	

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

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98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	**MW-6**	Lab ID:	2003-05-0092 - 5
Sampled:	05/01/2003 13:25	Extracted:	5/6/2003 11:10
Matrix:	Water	QC Batch#:	2003/05/06-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	160	50	ug/L	1.00	05/08/2003 01:57	ndp
Motor Oil	ND	500	ug/L	1.00	05/08/2003 01:57	
Surrogates(s)						
o-Terphenyl	101.6	60-130	%	1.00	05/08/2003 01:57	

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Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	**MW-8**	Lab ID:	2003-05-0092 - 6
Sampled:	05/01/2003 12:50	Extracted:	5/6/2003 11:10
Matrix:	Water	QC Batch#:	2003/05/06-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	05/08/2003 02:34	
Motor Oil	ND	500	ug/L	1.00	05/08/2003 02:34	
Surrogates(s)						
o-Terphenyl	95.9	60-130	%	1.00	05/08/2003 02:34	

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Project: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	**MW-9**	Lab ID:	2003-05-0092 - 7
Sampled:	05/01/2003 13:45	Extracted:	5/6/2003 11:10
Matrix:	Water	QC Batch#:	2003/05/06-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1600	50	ug/L	1.00	05/08/2003 01:19	ndp
Motor Oil	ND	500	ug/L	1.00	05/08/2003 01:19	
Surrogates(s)						
o-Terphenyl	94.1	60-130	%	1.00	05/08/2003 01:19	

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

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Project: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	**MW-10**	Lab ID:	2003-05-0092 - 8
Sampled:	05/01/2003 14:05	Extracted:	5/6/2003 11:10
Matrix:	Water	QC Batch#:	2003/05/06-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	3800	50	ug/L	1.00	05/08/2003 01:57	ndp
Motor Oil	ND	500	ug/L	1.00	05/08/2003 01:57	
Surrogates(s)						
o-Terphenyl	106.6	60-130	%	1.00	05/08/2003 01:57	

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

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Project: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	**MW-11**	Lab ID:	2003-05-0092 - 9
Sampled:	05/01/2003 10:47	Extracted:	5/6/2003 11:10
Matrix:	Water	QC Batch#:	2003/05/06-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	05/08/2003 05:39	
Motor Oil	ND	500	ug/L	1.00	05/08/2003 05:39	
Surrogates(s)						
o-Terphenyl	96.4	60-130	%	1.00	05/08/2003 05:39	

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

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Project: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	**MW-12**	Lab ID:	2003-05-0092 - 10
Sampled:	05/01/2003 11:32	Extracted:	5/6/2003 11:10
Matrix:	Water	QC Batch#:	2003/05/06-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	95	50	ug/L	1.00	05/08/2003 06:16	ndp
Motor Oil	530	500	ug/L	1.00	05/08/2003 06:16	
Surrogates(s)						
o-Terphenyl	91.9	60-130	%	1.00	05/08/2003 06:16	

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

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Project: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	**MW-13**	Lab ID:	2003-05-0092 - 11
Sampled:	05/01/2003 11:14	Extracted:	5/6/2003 11:10
Matrix:	Water	QC Batch#:	2003/05/06-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	05/08/2003 06:54	
Motor Oil	ND	500	ug/L	1.00	05/08/2003 06:54	
Surrogates(s)						
o-Terphenyl	93.0	60-130	%	1.00	05/08/2003 06:54	

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

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Project: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	**VEW-5**	Lab ID:	2003-05-0092 - 12
Sampled:	05/01/2003 14:41	Extracted:	5/6/2003 11:10
Matrix:	Water	QC Batch#:	2003/05/06-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1000	50	ug/L	1.00	05/10/2003 03:16	ndp
Motor Oil	690	500	ug/L	1.00	05/10/2003 03:16	
Surrogates(s)						
o-Terphenyl	77.2	60-130	%	1.00	05/10/2003 03:16	

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	**VEW-6**	Lab ID:	2003-05-0092 - 13
Sampled:	05/01/2003 13:06	Extracted:	5/6/2003 11:10
Matrix:	Water	QC Batch#:	2003/05/06-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	290	50	ug/L	1.00	05/10/2003 03:54	ndp
Motor Oil	ND	500	ug/L	1.00	05/10/2003 03:54	
Surrogates(s)						
o-Terphenyl	102.3	60-130	%	1.00	05/10/2003 03:54	

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

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Project: 030501-SS1
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Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	**VEW-7**	Lab ID:	2003-05-0092 - 14
Sampled:	05/01/2003 14:15	Extracted:	5/6/2003 11:10
Matrix:	Water	QC Batch#:	2003/05/06-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1000	50	ug/L	1.00	05/10/2003 04:31	ndp
Motor Oil	ND	500	ug/L	1.00	05/10/2003 04:31	
Surrogates(s)						
o-Terphenyl	87.6	60-130	%	1.00	05/10/2003 04:31	

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

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Project: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	AS-1	Lab ID:	2003-05-0092 - 15
Sampled:	05/01/2003 14:43	Extracted:	5/6/2003 11:10
Matrix:	Water	QC Batch#:	2003/05/06-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	96	50	ug/L	1.00	05/10/2003 05:08	ndp
Motor Oil	ND	500	ug/L	1.00	05/10/2003 05:08	
Surrogates(s)						
o-Terphenyl	107.2	60-130	%	1.00	05/10/2003 05:08	

SEVERN TRENT STL

Submission #: 2003-05-0092

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

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Project: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	**AS-2**	Lab ID:	2003-05-0092 - 16
Sampled:	05/01/2003 12:44	Extracted:	5/6/2003 11:10
Matrix:	Water	QC Batch#:	2003/05/06-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	120	50	ug/L	1.00	05/10/2003 05:45	ndp
Motor Oil	ND	500	ug/L	1.00	05/10/2003 05:45	
Surrogates(s)						
o-Terphenyl	96.1	60-130	%	1.00	05/10/2003 05:45	

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

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Project: 030501-SS1
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Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	AS-3	Lab ID:	2003-05-0092 - 17
Sampled:	05/01/2003 14:25	Extracted:	5/6/2003 11:10
Matrix:	Water	QC Batch#:	2003/05/06-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	150	50	ug/L	1.00	05/10/2003 06:22	ndp
Motor Oil	ND	500	ug/L	1.00	05/10/2003 06:22	
Surrogates(s)						
o-Terphenyl	105.4	60-130	%	1.00	05/10/2003 06:22	

SEVERN TRENT STL

Submission #: 2003-05-0092

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

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Project: 030501-SS1
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Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Batch QC Report

Prep(s): 3510/8015M — Test(s): 8015M

Method Blank — **Water** — **QC Batch # 2003/05/06-04.10**

MB: 2003/05/06-04.10-003 — Date Extracted: 05/06/2003 11:10

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	05/06/2003 18:17	
Motor Oil	ND	500	ug/L	05/06/2003 18:17	
Surrogates(s)					
o-Terphenyl	97.0	60-130	%	05/06/2003 18:17	

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

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Project: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Batch QC Report

Prep(s): 3510/8015M — Test(s): 8015M

Laboratory Control Spike — **Water** — **QC Batch # 2003/05/06-04.10**

LCS 2003/05/06-04.10-001 — Extracted: 05/06/2003 — Analyzed: 05/06/2003 13:18

LCSD 2003/05/06-04.10-002 — Extracted: 05/06/2003 — Analyzed: 05/06/2003 13:55

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesel	809	858	1000	80.9	85.8	5.9	60-130	25		
Surrogates(s)										
o-Terphenyl	21.0	20.9	20.0	105.1	104.5		60-130	0		

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

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Project: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Legend and Notes

Result Flag

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

SEVERN TRENT STL

Submission #: 2003-05-0092

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

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

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Project: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	05/01/2003 13:35	Water	1
MW-2	05/01/2003 13:15	Water	2
MW-3	05/01/2003 13:00	Water	3
MW-4	05/01/2003 12:30	Water	4
MW-6	05/01/2003 13:25	Water	5
MW-8	05/01/2003 12:50	Water	6
MW-9	05/01/2003 13:45	Water	7
MW-10	05/01/2003 14:05	Water	8
MW-11	05/01/2003 10:47	Water	9
MW-12	05/01/2003 11:32	Water	10
MW-13	05/01/2003 11:14	Water	11
VEW-5	05/01/2003 14:41	Water	12
VEW-6	05/01/2003 13:06	Water	13
VEW-7	05/01/2003 14:15	Water	14
AS-1	05/01/2003 14:43	Water	15
AS-2	05/01/2003 12:44	Water	16
AS-3	05/01/2003 14:25	Water	17

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

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

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

Project: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**MW-1**	Lab ID:	2003-05-0092 - 1
Sampled:	05/01/2003 13:35	Extracted:	5/13/2003 14:21
Matrix:	Water	QC Batch#:	2003/05/13-1b.64

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	13000	2500	ug/L	50.00	05/13/2003 14:21	
Benzene	1500	25	ug/L	50.00	05/13/2003 14:21	
Toluene	33	25	ug/L	50.00	05/13/2003 14:21	
Ethylbenzene	260	25	ug/L	50.00	05/13/2003 14:21	
Total xylenes	68	50	ug/L	50.00	05/13/2003 14:21	
Methyl tert-butyl ether (MTBE)	1700	250	ug/L	50.00	05/13/2003 14:21	
Surrogates(s)						
1,2-Dichloroethane-d4	110.3	76-130	%	50.00	05/13/2003 14:21	
Toluene-d8	98.8	78-115	%	50.00	05/13/2003 14:21	

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

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Project: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**MW-2**	Lab ID:	2003-05-0092 - 2
Sampled:	05/01/2003 13:15	Extracted:	5/13/2003 14:43
Matrix:	Water	QC Batch#:	2003/05/13-1b.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	350	50	ug/L	1.00	05/13/2003 14:43	g
Benzene	ND	0.50	ug/L	1.00	05/13/2003 14:43	
Toluene	ND	0.50	ug/L	1.00	05/13/2003 14:43	
Ethylbenzene	ND	0.50	ug/L	1.00	05/13/2003 14:43	
Total xylenes	ND	1.0	ug/L	1.00	05/13/2003 14:43	
Methyl tert-butyl ether (MTBE)	110	5.0	ug/L	1.00	05/13/2003 14:43	
Surrogates(s)						
1,2-Dichloroethane-d4	102.4	76-130	%	1.00	05/13/2003 14:43	
Toluene-d8	97.6	78-115	%	1.00	05/13/2003 14:43	

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

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Project: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**MW-3**	Lab ID:	2003-05-0092 - 3
Sampled:	05/01/2003 13:00	Extracted:	5/13/2003 02:25
Matrix:	Water	QC Batch#:	2003/05/12-2e.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	60	50	ug/L	1.00	05/13/2003 02:25	g
Benzene	ND	0.50	ug/L	1.00	05/13/2003 02:25	
Toluene	ND	0.50	ug/L	1.00	05/13/2003 02:25	
Ethylbenzene	ND	0.50	ug/L	1.00	05/13/2003 02:25	
Total xylenes	ND	1.0	ug/L	1.00	05/13/2003 02:25	
Methyl tert-butyl ether (MTBE)	16	5.0	ug/L	1.00	05/13/2003 02:25	
Surrogates(s)						
1,2-Dichloroethane-d4	108.3	76-130	%	1.00	05/13/2003 02:25	
Toluene-d8	96.0	78-115	%	1.00	05/13/2003 02:25	

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

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Project: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**MW-4**	Lab ID:	2003-05-0092 - 4
Sampled:	05/01/2003 12:30	Extracted:	5/13/2003 15:05
Matrix:	Water	QC Batch#:	2003/05/13-1b.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	05/13/2003 15:05	
Benzene	ND	0.50	ug/L	1.00	05/13/2003 15:05	
Toluene	ND	0.50	ug/L	1.00	05/13/2003 15:05	
Ethylbenzene	ND	0.50	ug/L	1.00	05/13/2003 15:05	
Total xylenes	ND	1.0	ug/L	1.00	05/13/2003 15:05	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	05/13/2003 15:05	
Surrogates(s)						
1,2-Dichloroethane-d4	107.1	76-130	%	1.00	05/13/2003 15:05	
Toluene-d8	99.9	78-115	%	1.00	05/13/2003 15:05	

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

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Project: 030501-SS1
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Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**MW-6**	Lab ID:	2003-05-0092 - 5
Sampled:	05/01/2003 13:25	Extracted:	5/13/2003 03:09
Matrix:	Water	QC Batch#:	2003/05/12-2e.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	700	50	ug/L	1.00	05/13/2003 03:09	g
Benzene	0.58	0.50	ug/L	1.00	05/13/2003 03:09	
Toluene	ND	0.50	ug/L	1.00	05/13/2003 03:09	
Ethylbenzene	0.82	0.50	ug/L	1.00	05/13/2003 03:09	
Total xylenes	ND	1.0	ug/L	1.00	05/13/2003 03:09	
Methyl tert-butyl ether (MTBE)	71	5.0	ug/L	1.00	05/13/2003 03:09	
Surrogates(s)						
1,2-Dichloroethane-d4	108.8	76-130	%	1.00	05/13/2003 03:09	
Toluene-d8	96.2	78-115	%	1.00	05/13/2003 03:09	

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

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Project: 030501-SS1
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Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**MW-8**	Lab ID:	2003-05-0092 - 6
Sampled:	05/01/2003 12:50	Extracted:	5/13/2003 03:31
Matrix:	Water	QC Batch#:	2003/05/12-2e.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	05/13/2003 03:31	
Benzene	ND	0.50	ug/L	1.00	05/13/2003 03:31	
Toluene	ND	0.50	ug/L	1.00	05/13/2003 03:31	
Ethylbenzene	ND	0.50	ug/L	1.00	05/13/2003 03:31	
Total xylenes	ND	1.0	ug/L	1.00	05/13/2003 03:31	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	05/13/2003 03:31	
Surrogates(s)						
1,2-Dichloroethane-d4	109.3	76-130	%	1.00	05/13/2003 03:31	
Toluene-d8	98.8	78-115	%	1.00	05/13/2003 03:31	

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

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Project: 030501-SS1
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Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**MW-9**	Lab ID:	2003-05-0092 - 7
Sampled:	05/01/2003 13:45	Extracted:	5/13/2003 15:27
Matrix:	Water	QC Batch#:	2003/05/13-1b.64

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	16000	10000	ug/L	200.00	05/13/2003 15:27	g
Benzene	4900	100	ug/L	200.00	05/13/2003 15:27	
Toluene	ND	100	ug/L	200.00	05/13/2003 15:27	
Ethylbenzene	ND	100	ug/L	200.00	05/13/2003 15:27	
Total xylenes	1500	200	ug/L	200.00	05/13/2003 15:27	
Methyl tert-butyl ether (MTBE)	ND	1000	ug/L	200.00	05/13/2003 15:27	
Surrogates(s)						
1,2-Dichloroethane-d4	108.2	76-130	%	200.00	05/13/2003 15:27	
Toluene-d8	95.9	78-115	%	200.00	05/13/2003 15:27	

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

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Project: 030501-SS1
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Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s): 5030B
Sample ID: **MW-10**
Sampled: 05/01/2003 14:05
Matrix: Water
Analysis Flag: o (See Legend and Note Section)

Test(s): 8260FAB
Lab ID: 2003-05-0092 - 8
Extracted: 5/13/2003 15:49
QC Batch#: 2003/05/13-1b.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	40000	10000	ug/L	200.00	05/13/2003 15:49	
Benzene	13000	100	ug/L	200.00	05/13/2003 15:49	
Toluene	1700	100	ug/L	200.00	05/13/2003 15:49	
Ethylbenzene	2200	100	ug/L	200.00	05/13/2003 15:49	
Total xylenes	5000	200	ug/L	200.00	05/13/2003 15:49	
Methyl tert-butyl ether (MTBE)	2900	1000	ug/L	200.00	05/13/2003 15:49	
Surrogates(s)						
1,2-Dichloroethane-d4	129.9	76-130	%	200.00	05/13/2003 15:49	
Toluene-d8	100.9	78-115	%	200.00	05/13/2003 15:49	

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

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Project: 030501-SS1
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Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-11	Lab ID:	2003-05-0092 - 9
Sampled:	05/01/2003 10:47	Extracted:	5/13/2003 16:11
Matrix:	Water	QC Batch#:	2003/05/13-1b.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	05/13/2003 16:11	
Benzene	ND	0.50	ug/L	1.00	05/13/2003 16:11	
Toluene	ND	0.50	ug/L	1.00	05/13/2003 16:11	
Ethylbenzene	ND	0.50	ug/L	1.00	05/13/2003 16:11	
Total xylenes	ND	1.0	ug/L	1.00	05/13/2003 16:11	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	05/13/2003 16:11	
Surrogates(s)						
1,2-Dichloroethane-d4	114.5	76-130	%	1.00	05/13/2003 16:11	
Toluene-d8	95.8	78-115	%	1.00	05/13/2003 16:11	

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

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Project: 030501-SS1
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Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**MW-12**	Lab ID:	2003-05-0092 - 10
Sampled:	05/01/2003 11:32	Extracted:	5/13/2003 16:33
Matrix:	Water	QC Batch#:	2003/05/13-1b.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	05/13/2003 16:33	
Benzene	ND	0.50	ug/L	1.00	05/13/2003 16:33	
Toluene	ND	0.50	ug/L	1.00	05/13/2003 16:33	
Ethylbenzene	ND	0.50	ug/L	1.00	05/13/2003 16:33	
Total xylenes	ND	1.0	ug/L	1.00	05/13/2003 16:33	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	05/13/2003 16:33	
Surrogates(s)						
1,2-Dichloroethane-d4	108.4	76-130	%	1.00	05/13/2003 16:33	
Toluene-d8	98.4	78-115	%	1.00	05/13/2003 16:33	

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

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Project: 030501-SS1
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Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**MW-13**	Lab ID:	2003-05-0092 - 11
Sampled:	05/01/2003 11:14	Extracted:	5/13/2003 16:55
Matrix:	Water	QC Batch#:	2003/05/13-1b.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	05/13/2003 16:55	
Benzene	3.4	0.50	ug/L	1.00	05/13/2003 16:55	
Toluene	0.75	0.50	ug/L	1.00	05/13/2003 16:55	
Ethylbenzene	1.1	0.50	ug/L	1.00	05/13/2003 16:55	
Total xylenes	2.7	1.0	ug/L	1.00	05/13/2003 16:55	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	05/13/2003 16:55	
Surrogates(s)						
1,2-Dichloroethane-d4	107.9	76-130	%	1.00	05/13/2003 16:55	
Toluene-d8	98.1	78-115	%	1.00	05/13/2003 16:55	

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: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**VEW-5**	Lab ID:	2003-05-0092 - 12
Sampled:	05/01/2003 14:41	Extracted:	5/13/2003 17:17
Matrix:	Water	QC Batch#:	2003/05/13-1b.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1500	50	ug/L	1.00	05/13/2003 17:17	
Benzene	140	0.50	ug/L	1.00	05/13/2003 17:17	
Toluene	92	0.50	ug/L	1.00	05/13/2003 17:17	
Ethylbenzene	120	0.50	ug/L	1.00	05/13/2003 17:17	
Total xylenes	290	1.0	ug/L	1.00	05/13/2003 17:17	
Methyl tert-butyl ether (MTBE)	11	5.0	ug/L	1.00	05/13/2003 17:17	
Surrogates(s)						
1,2-Dichloroethane-d4	106.0	76-130	%	1.00	05/13/2003 17:17	
Toluene-d8	97.0	78-115	%	1.00	05/13/2003 17:17	

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: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	VEW-6	Lab ID:	2003-05-0092 - 13
Sampled:	05/01/2003 13:06	Extracted:	5/14/2003 14:33
Matrix:	Water	QC Batch#:	2003/05/14-1b.64

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1100	500	ug/L	10.00	05/14/2003 14:33	g
Benzene	41	5.0	ug/L	10.00	05/14/2003 14:33	
Toluene	ND	5.0	ug/L	10.00	05/14/2003 14:33	
Ethylbenzene	58	5.0	ug/L	10.00	05/14/2003 14:33	
Total xylenes	66	10	ug/L	10.00	05/14/2003 14:33	
Methyl tert-butyl ether (MTBE)	89	50	ug/L	10.00	05/14/2003 14:33	
Surrogates(s)						
1,2-Dichloroethane-d4	107.2	76-130	%	10.00	05/14/2003 14:33	
Toluene-d8	99.1	78-115	%	10.00	05/14/2003 14:33	

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: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**VEW-7**	Lab ID:	2003-05-0092 - 14
Sampled:	05/01/2003 14:15	Extracted:	5/14/2003 14:55
Matrix:	Water	QC Batch#:	2003/05/14-1b.64

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	2200	500	ug/L	10.00	05/14/2003 14:55	
Benzene	62	5.0	ug/L	10.00	05/14/2003 14:55	
Toluene	8.0	5.0	ug/L	10.00	05/14/2003 14:55	
Ethylbenzene	230	5.0	ug/L	10.00	05/14/2003 14:55	
Total xylenes	80	10	ug/L	10.00	05/14/2003 14:55	
Methyl tert-butyl ether (MTBE)	360	50	ug/L	10.00	05/14/2003 14:55	
Surrogates(s)						
1,2-Dichloroethane-d4	105.7	76-130	%	10.00	05/14/2003 14:55	
Toluene-d8	98.4	78-115	%	10.00	05/14/2003 14:55	

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: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**AS-1**	Lab ID:	2003-05-0092 - 15
Sampled:	05/01/2003 14:43	Extracted:	5/13/2003 18:23
Matrix:	Water	QC Batch#:	2003/05/13-1b.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	79	50	ug/L	1.00	05/13/2003 18:23	
Benzene	2.2	0.50	ug/L	1.00	05/13/2003 18:23	
Toluene	0.99	0.50	ug/L	1.00	05/13/2003 18:23	
Ethylbenzene	5.1	0.50	ug/L	1.00	05/13/2003 18:23	
Total xylenes	4.8	1.0	ug/L	1.00	05/13/2003 18:23	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	05/13/2003 18:23	
Surrogates(s)						
1,2-Dichloroethane-d4	114.2	76-130	%	1.00	05/13/2003 18:23	
Toluene-d8	97.9	78-115	%	1.00	05/13/2003 18:23	

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

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

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

Project: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	AS-2	Lab ID:	2003-05-0092 - 16
Sampled:	05/01/2003 12:44	Extracted:	5/13/2003 18:45
Matrix:	Water	QC Batch#:	2003/05/13-1b.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	56	50	ug/L	1.00	05/13/2003 18:45	
Benzene	2.1	0.50	ug/L	1.00	05/13/2003 18:45	
Toluene	ND	0.50	ug/L	1.00	05/13/2003 18:45	
Ethylbenzene	4.7	0.50	ug/L	1.00	05/13/2003 18:45	
Total xylenes	ND	1.0	ug/L	1.00	05/13/2003 18:45	
Methyl tert-butyl ether (MTBE)	12	5.0	ug/L	1.00	05/13/2003 18:45	
Surrogates(s)						
1,2-Dichloroethane-d4	110.5	76-130	%	1.00	05/13/2003 18:45	
Toluene-d8	98.4	78-115	%	1.00	05/13/2003 18:45	

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: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	AS-3	Lab ID:	2003-05-0092 - 17
Sampled:	05/01/2003 14:25	Extracted:	5/14/2003 15:17
Matrix:	Water	QC Batch#:	2003/05/14-1b.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	57	50	ug/L	1.00	05/14/2003 15:17	
Benzene	0.53	0.50	ug/L	1.00	05/14/2003 15:17	
Toluene	ND	0.50	ug/L	1.00	05/14/2003 15:17	
Ethylbenzene	4.7	0.50	ug/L	1.00	05/14/2003 15:17	
Total xylenes	2.7	1.0	ug/L	1.00	05/14/2003 15:17	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	05/14/2003 15:17	
Surrogates(s)						
1,2-Dichloroethane-d4	106.6	76-130	%	1.00	05/14/2003 15:17	
Toluene-d8	97.3	78-115	%	1.00	05/14/2003 15:17	

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

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

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

Project: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260FAB

Method Blank — **Water** — **QC Batch # 2003/05/12-2e.64**

MB: 2003/05/12-2e.64-045 — Date Extracted: 05/12/2003 20:55

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	05/12/2003 20:55	
Benzene	ND	0.5	ug/L	05/12/2003 20:55	
Toluene	ND	0.5	ug/L	05/12/2003 20:55	
Ethylbenzene	ND	0.5	ug/L	05/12/2003 20:55	
Total xylenes	ND	1.0	ug/L	05/12/2003 20:55	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	05/12/2003 20:55	
Surrogates(s)					
1,2-Dichloroethane-d4	100.0	76-130	%	05/12/2003 20:55	
Toluene-d8	100.0	78-115	%	05/12/2003 20:55	

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: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260FAB

Method Blank — **Water** — **QC Batch # 2003/05/13-1b.64**

MB: 2003/05/13-1b.64-003 — Date Extracted: 05/13/2003 11:36

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	05/13/2003 11:36	
Benzene	ND	0.5	ug/L	05/13/2003 11:36	
Toluene	ND	0.5	ug/L	05/13/2003 11:36	
Ethylbenzene	ND	0.5	ug/L	05/13/2003 11:36	
Total xylenes	ND	1.0	ug/L	05/13/2003 11:36	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	05/13/2003 11:36	
Surrogates(s)					
1,2-Dichloroethane-d4	84.6	76-130	%	05/13/2003 11:36	
Toluene-d8	96.4	78-115	%	05/13/2003 11:36	

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

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Project: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260FAB
Method Blank — **Water** — **QC Batch # 2003/05/14-1b.64**
MB: 2003/05/14-1b.64-003 — Date Extracted: 05/14/2003 12:16

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	05/14/2003 12:16	
Benzene	ND	0.5	ug/L	05/14/2003 12:16	
Toluene	ND	0.5	ug/L	05/14/2003 12:16	
Ethylbenzene	ND	0.5	ug/L	05/14/2003 12:16	
Total xylenes	ND	1.0	ug/L	05/14/2003 12:16	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	05/14/2003 12:16	
Surrogates(s)					
1,2-Dichloroethane-d4	104.4	76-130	%	05/14/2003 12:16	
Toluene-d8	100.8	78-115	%	05/14/2003 12:16	

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

Blaine Tech Services, Inc.
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Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260FAB

Laboratory Control Spike — **Water** — **QC Batch # 2003/05/12-2e.64**

LCS 2003/05/12-2e.64-044 — Extracted: 05/12/2003 — Analyzed: 05/12/2003 20:11

LCSD 2003/05/12-2e.64-002 — Extracted: 05/12/2003 — Analyzed: 05/12/2003 20:33

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	22.4	21.8	25	89.6	87.2	2.7	69-129	20		
Toluene	22.7	21.3	25	90.8	85.2	6.4	70-130	20		
Methyl tert-butyl ether (MTBE)	26.2	24.1	25	104.8	96.4	8.3	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	550	520	500	110.0	104.0		76-130			
Toluene-d8	505	482	500	101.0	96.4		78-115			

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: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike **Water** **QC Batch # 2003/05/13-1b.64**

LCS 2003/05/13-1b.64-002 Extracted: 05/13/2003 Analyzed: 05/13/2003 09:54

LCSD 2003/05/13-1b.64-001 Extracted: 05/13/2003 Analyzed: 05/13/2003 10:16

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	23.3	23.1	25	93.2	92.4	0.9	69-129	20		
Toluene	23.4	23.0	25	93.6	92.0	1.7	70-130	20		
Methyl tert-butyl ether (MTBE)	25.0	25.5	25	100.0	102.0	2.0	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	512	509	500	102.4	101.8		76-130			
Toluene-d8	505	493	500	101.0	98.6		78-115			

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

Blaine Tech Services, Inc.

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

Project: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike | **Water** | **QC Batch # 2003/05/14-1b.64**

LCS 2003/05/14-1b.64-002 Extracted: 05/14/2003 Analyzed: 05/14/2003 11:32

LCSD 2003/05/14-1b.64-001 Extracted: 05/14/2003 Analyzed: 05/14/2003 11:54

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	23.1	23.3	25	92.4	93.2	0.9	69-129	20		
Toluene	22.6	24.1	25	90.4	96.4	6.4	70-130	20		
Methyl tert-butyl ether (MTBE)	24.3	25.0	25	97.2	100.0	2.8	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	527	517	500	105.4	103.4		76-130			
Toluene-d8	498	520	500	99.6	104.0		78-115			

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: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260FAB

Matrix Spike (MS / MSD) — **Water** — **QC Batch # 2003/05/13-1b.64**

MW-11 >> MS — Lab ID: 2003-05-0092 - 009

MS: 2003/05/13-1b.64-043 — Extracted: 05/13/2003 — Analyzed: 05/13/2003 19:51 — Dilution: 1.00

MSD: 2003/05/13-1b.64-044 — Extracted: 05/13/2003 — Analyzed: 05/13/2003 20:13 — Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	23.2	23.7	ND	25	92.8	94.8	2.1	69-129	20		
Toluene	24.0	23.8	ND	25	96.0	95.2	0.8	70-130	20		
Methyl tert-butyl ether	27.7	26.5	ND	25	110.8	106.0	4.4	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	529	531		500	105.7	106.2		76-130			
Toluene-d8	493	504		500	98.7	100.9		78-115			

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: 030501-SS1
98995749

Received: 05/02/2003 15:03

Site: 285 Hegenberger Road Oakland

Legend 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.

LAB: STL

Lab Identification (if necessary):

Address:

City, State, Zip:

SHELL Chain Of Custody Record

73913

Shell Project Manager to be invoiced:

☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

Karen Petryna

2003-05-0092

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 5 7 4 9

SAP or CRMT NUMBER (TS/CRMT): [redacted]

DATE: 5/1/03

PAGE: 1 of 2

SAMPLING COMPANY: Blaine Tech Services	LOG CODE: BTSS	SITE ADDRESS (Street and City): 285 Hegenberger Road, Oakland
GLOBAL ID NO.: T0600101245		
ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112		EDF DELIVERABLE TO (Responsible Party or Designee): Anni Kreml
PHONE NO.: 510-420-3335	EMAIL: akreml@cambria-env.com	CONSULTANT PROJECT NO.: BTS # 030501-SS1
PROJECT CONTACT (Hardcopy or PDF Report to): Leon Gearhart		SAMPLER NAME(S) (Print): MICHAEL MCNAMARA, SOOCH SUNG
TELEPHONE: 408-573-0555	FAX: 408-573-7771	E-MAIL: lgearhart@blainetech.com
LAB USE ONLY		

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 ☐

REQUESTED ANALYSIS

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

TEMPERATURE ON RECEIPT C°: 2.3

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDB (8260B)		TPH - Diesel, Extractable (8015m)		TPH-Motor Oil	Nitrate	Sulfate	Ferrous Iron		MTBE (8260B) Confirmation, See Note			FIELD NOTES
1	MW-1	5/1/03	1335	W	5	X	X	X								X		X								
2	MW-2	↓	1315	↓	↓	X	X	X								X		X								
3	MW-3		1300			X	X	X								X		X								
4	MW-4		1230			X	X	X								X		X								
5	MW-6		1325			X	X	X								X		X								
6	MW-8		1250			X	X	X								X		X								
7	MW-9		1345			X	X	X								X		X								USED NP VOA'S
8	MW-10		1405			X	X	X								X		X								USED NP VOA'S
9	MW-11		1047			X	X	X								X		X								
10	MW-12	↓	1132	↓	↓	X	X	X								X		X								

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
[signature]	[signature] 1503 5/2/03	5/2/03	1503
Relinquished by: (Signature) [signature] 5/2/03 1735	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Received by: (Signature) Norma K	5/2/03	1735

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

10/16/00 Revision

Q&Q Graphic (714) 899-8702

LAB: STL

Lab Identification (if necessary):

Address:

City, State, Zip

SHELL Chain Of Custody Record

73913

Shell Project Manager to be invoiced:

☒ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

Karen Petryna

03.05.0092

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 5 7 4 9

SAP or CRMT NUMBER (TS/CRMT):

DATE: 5/1/03

PAGE: 2 of 2

SAMPLING COMPANY: Blaine Tech Services	LOG CODE: BTSS	SITE ADDRESS (Street and City): 285 Hegenberger Road, Oakland	GLOBAL ID NO.: T0600101245
ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112		EDF DELIVERABLE TO (Responsible Party or Designee): Anni Kreml	PHONE NO.: 510-420-3335
PROJECT CONTACT (Hardcopy or PDF Report to): Leon Gearhart		E-MAIL: akreml@cambria-env.com	CONSULTANT PROJECT NO.: BTS # 030501-SS1
TELEPHONE: 408-573-0555	FAX: 408-573-7771	E-MAIL: lgearhart@blainetech.com	SAMPLER NAME(S) (Print): MICHAEL MCNAMARA / SOOLIS VNG

LAB USE ONLY

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 ☐

REQUESTED ANALYSIS

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

TEMPERATURE ON RECEIPT C°: 2.3°C

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDB (8260B)	TPH - Diesel, Extractable (8015m)		TPH-Motor Oil	Nitrate	Sulfate	Ferrous Iron		MTBE (8260B) Confirmation, See Note		FIELD NOTES
11	MW-13	5/1/03	1114	W	5	X	X	X							X		X							
12	VEW-5	↓	1441	↓	↓	X	X	X							X		X							
13	VEW-6	↓	1306	↓	↓	X	X	X							X		X							
14	VEW-7	↓	1415	↓	↓	X	X	X							X		X							
15	AS-1	↓	1443	↓	↓	X	X	X							X		X							
16	AS-2	↓	1244	↓	↓	X	X	X							X		X							
17	AS-3	↓	1425	↓	↓	X	X	X							X		X							

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature] 5/2/03 1503	5/2/03	1503
[signature] 5/2/03 1730			
Relinquished by: (Signature)	Nouna K.	5/2/03	1735

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

10/16/00 Revision

WELL GAUGING DATA

Project # 030501-SS1 Date 9/1/03 Client SHELL

Site 286 HEGENBERGER RD., OAKLAND

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-1	4					3.09	9.52 ✓✓		
MW-2	4					4.18	9.95 ✓✓		LOOSE SEAL
MW-3	4					4.30	9.73 ✓✓		H_2O
MW-4	4					4.49	10.00 ✓✓		
MW-6	4					4.19	10.93 ✓✓		CONCRETE CASING NO CAP + LOCK
MW-8	4					4.00	9.75 ✓✓		
MW-9	4					4.05	10.70 ✓✓		
MW-10	4					4.29	9.86 ✓✓		LOOSE SEAL
MW-11	4					7.62	13.62 ✓✓		H_2O
MW-12	4					5.00	14.45 ✓✓		
MW-13	4					6.62	14.19 ✓✓		
VEW-5	4					2.34	9.15 ✓✓		
VEW-6	4					2.79	9.16 ✓✓		
VEW-7	4					2.95	9.65 ✓✓		
AS-1	1					5.75	14.55 ✓✓		
AS-2	1					6.74	14.79 ✓✓		
AS-3	1					6.44	14.77 ✓✓	✓	

SHELL WELL MONITORING DATA SHEET

BTS #: 030501-551	Site: 285 HELEN DEFELER RD; OAKLAND
Sampler: GOOCH/MIKE/~~BRIAN~~ BS	Date: 5/1/03
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 9.52	Depth to Water (DTW): 3.04
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column 6.48 x 0.20) + DTW]: 4.34	

Purge Method: Bailer, Disposable Bailer, Middleburg, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: (Bailer), Disposable Bailer, Extraction Port, Dedicated Tubing, Other:_____

4.2 (Gals.) X 3 = 12.6 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	(4")	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1118	65.9	7.2	1,832	12	4.5	clear, strong odor
1119	67.1	6.9	1,604	16	9.0	"
1120	WELL DEWATERED @				12.0	DTW 7.68
1335	70.0	6.9	1,503	36	—	clear, strong odor

Did well dewater? (Yes) No Gallons actually evacuated: 12

Sampling Date: 5/1/03 Sampling Time: 1335 Depth to Water: 2.94

Sample I.D.: MW-1 Laboratory: Kiff SPL Other STL SAN FRANCISCO

Analyzed for: TPH-G BTEX (MTBE) TPH-D Other: Moto-Oil + Diesel

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030501-SS1	Site: 285 HENDERLEK RD, OAKLAND
Sampler: SS MM	Date: 5/01/03
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD): 9.45	Depth to Water (DTW): 4.18
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column 5.27 x 0.20) + DTW]: 5.23	

Purge Method: Bailer, Disposable Bailer, Middleburg, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other

Sampling Method: (Bailer), Disposable Bailer, Extraction Port, Dedicated Tubing, Other:

3.4 (Gals.) X	3	=	10.2 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	(4")	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1054	66.0	7.0	1,237	22	3.5	clear, odor
1055	67.6	7.0	1,300	21	7.0	"
1056	67.0	6.9	1,336	10	10.5	" DTW 5.75

Did well dewater? Yes (No) Gallons actually evacuated: 10.5

Sampling Date: 5/1/03 Sampling Time: 1315 Depth to Water: 3.67

Sample I.D.: MW-2 Laboratory: Kiff SPL Other STL SAN FRANCISCO

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) Other: Motor Oil + Diesel

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030501-SS1	Site: 285 HEGENBERGER RD, OAKLAND
Sampler: SS MM	Date: 5/1/03
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 9.73	Depth to Water (DTW): 4.30
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column 5.43 x 0.20) + DTW]: 5.39	

Purge Method: Bailer, Disposable Bailer, Middleburg, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other ___

Sampling Method: (Bailer), Disposable Bailer, Extraction Port, Dedicated Tubing, Other: ___

3.5 (Gals.) X 3 = 10.5 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	(4")	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1041	65.0	7.1	802	41	3.5	clear, mild odor
1042	65.8	7.1	671	41	7.0	"
1043	66.0	7.2	593	10	10.5	DTW 7.29

Did well dewater? Yes (No) Gallons actually evacuated: 10.5

Sampling Date: 5/1/03 Sampling Time: 1300 Depth to Water: 4.27

Sample I.D.: MW-3 Laboratory: Kiff SPL Other STL SAN FRANCISCO

Analyzed for: TPH-G BTEX (MTBE) TPH-D Other: Moto-Oil + Diesel

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030501-551	Site: 285 HENDEGLER BLVD, OAKLAND
Sampler: SS MA (BA)	Date: 5/1/03
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 10.00	Depth to Water (DTW): 4.49
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column 5.51 x 0.20) + DTW]:	5.59

Purge Method: Bailer, Disposable Bailer, Middleburg, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other ___

Sampling Method: (Bailer), Disposable Bailer, Extraction Port, Dedicated Tubing, Other: ___

3.6 (Gals.) X	3	=	10.8 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	(4")	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1021	63.8	7.7	1,982	9	4.0	clear, mild odor
1022	WELL DEWATERED @				7.0	DTW 8.02
1230	67.0	7.6	1,968	23	—	clear, mild odor, debris

Did well dewater? (Yes) No Gallons actually evacuated: 7

Sampling Date: 5/1/03 Sampling Time: 1230 Depth to Water: 7.65

Sample I.D.: MW-4 Laboratory: Kiff SPL Other STL SAN FRANCISCO

Analyzed for: TPH-G BTEX (MTBE) TPH-D Other: Motor Oil + Diesel

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030501-551	Site: 285 HENDEGER BL; OAKLAND
Sampler: SS MM	Date: 5/1/03
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 16.93	Depth to Water (DTW): 4.19
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column 6.74 x 0.20) + DTW]: 5.54	

Purge Method: Bailer, Disposable Bailer, Middleburg, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: (Bailer), Disposable Bailer, Extraction Port, Dedicated Tubing, Other:_____

4.4 (Gals.) X 3 = 13.2 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	(4")	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1106	63.6	7.1	1,083	51	4.5	clear
1107	62.8	7.3	1,055	46	9.0	" mild odor
1108	61.3	7.0	1,014	11	13.5	" strong odor

DTW 6.36

Did well dewater? Yes (No) Gallons actually evacuated: 13.5

Sampling Date: 5/1/03 Sampling Time: 1325 Depth to Water: 4.25

Sample I.D.: MW-6 Laboratory: Kiff SPL Other STL San Francisco

Analyzed for: (TPH-G) BTEX (MTBE) TPH-D Other: Motor Oil + Diesel

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030501-551	Site: 285 HENDEGLER BL, OAKLAND
Sampler: SS MM	Date: 5/1/03
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 9.75	Depth to Water (DTW): 4.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column (5.75) x 0.20) + DTW]: 5.15	

Purge Method: Bailer; Disposable Bailer; Middleburg; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other:_____

3.7 (Gals.) X	3	=	11.1 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	(4")	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1030	65.0	7.6	1,058	11	4.0	clear
1031	65.2	7.4	611	19	8.0	"
1032	WELL DEWATERED @				10.0	DTW 7.83
1250	66.0	7.8	408	13	—	clear

Did well dewater? (Yes) No Gallons actually evacuated: 10

Sampling Date: 5/1/03 Sampling Time: 1250 Depth to Water: 3.86

Sample I.D.: MW-8 Laboratory: Kiff SPL Other STL SAN FRANCISCO

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Motor Oil + Diesel

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030501-551	Site: 285 HENDEGLER RD, OAKLAND
Sampler: SS MM	Date: 5/1/03
Well I.D.: MW-9	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 10.70	Depth to Water (DTW): 4.05
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column 6.65 x 0.20) + DTW]: 5.38	

Purge Method: Bailer, Disposable Bailer, Middleburg, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: (Bailer), Disposable Bailer, Extraction Port, Dedicated Tubing, Other:_____

4.3 (Gals.) X 3 = 12.9 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	(4")	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1130	64.5	7.0	1,580	11	4.5	dark clear, yellow, odor
1131	64.4	7.1	3,127	9	9.0	"
1132	Well Dewatered			@	12.0	DTW 9.14
1345	66.5	7.3	2,958	18	—	dark clear, yellow, odor
Note: Reaction to HCL used in VOA's						

Did well dewater? (Yes) No Gallons actually evacuated: 12

Sampling Date: 5/1/03 Sampling Time: 1345 Depth to Water: 8.37

Sample I.D.: MW-9 Laboratory: Kiff SPL Other STL SAN FRANCISCO

Analyzed for: (TPH-G) BTEX (MTBE) TPH-D Other: Motor Oil + Diesel

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030501-SS1	Site: 285 HENDEGLER RD, OAKLAND
Sampler: SS MM	Date: 5/1/03
Well I.D.: MW-10	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 9.86	Depth to Water (DTW): 4.29
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water 5.57 Column x 0.20) + DTW]: 5.40	

Purge Method: Bailer, Disposable Bailer, Middleburg, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other____

Sampling Method: (Bailer), Disposable Bailer, Extraction Port, Dedicated Tubing, Other:____

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	(4")	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

3.6 (Gals.) X 3 = 10.8 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1142	67.1	7.1	2,934	10	4.0	clear, yellow, odor
1143	68.0	7.1	2879	10	8.0	"
1144	well	DEWATERED @			1010	DTW 8.53
1405	68.2	7.2	2,896	22	—	clear, yellow, odor
Note: Reaction to HCL / used HP VOA's						

Did well dewater? (Yes) No Gallons actually evacuated: 10

Sampling Date: 5/1/03 Sampling Time: 1405 Depth to Water: 5.71

Sample I.D.: MW-10 Laboratory: Kiff SPL Other STL SAN FRANCISCO

Analyzed for: (TPH-G) BTEX (MTBE) TPH-D Other: Motor Oil + Diesel

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030501-SS1	Site: 285 HENDERSER RD, OAKLAND
Sampler: SS MM	Date: 5/1/03
Well I.D.: MW-11	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 13.62	Depth to Water (DTW): 7.62
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column 6.00 x 0.20) + DTW]: 8.82	

Purge Method: Bailer; Disposable Bailer; Middleburg; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other:_____

3.9 (Gals.) X 3 = 11.7 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	(4")	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1039	64.1	7.0	13.11	24.4	4.0	CLEAR
	dewatered @ ≈ 3.9 gals					DTW = 11.25
1054	64.5	6.9	18.12	66.2	—	

Did well dewater? (Yes) No Gallons actually evacuated: 4.0

Sampling Date: 5/1/03 Sampling Time: 1047 Depth to Water: 11.25 (TRAFFIC WELL)

Sample I.D.: MW-11 Laboratory: Kiff SPL Other STL

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) Other: MOTOR OIL

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) Other: ~~TPH-D~~ MTBE 8021

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030501-SS1	Site: 285 HEGENBERGER RD, OAKLAND
Sampler: SS MM	Date: 5/1/03
Well I.D.: MW-12	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 14.45	Depth to Water (DTW): 5.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.45 6.89

Purge Method: Bailer, Disposable Bailer, Middleburg, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other____

Sampling Method: (Bailer), Disposable Bailer, Extraction Port, Dedicated Tubing, Other: ____

6.1 (Gals.) X 3 = 18.3 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	(4")	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1127	64.3	7.1	1425	23.2	6.0	
1128	64.6	7.4	2271	15.1	12.0	
	dewatered	@ 12	.5 gal's			DTW = 12.20
1132	66.2	7.5	2372	>200	—	

Did well dewater? (Yes) No — Gallons actually evacuated: 12.5

Sampling Date: 5/1/03 — Sampling Time: 1132 — Depth to Water: 12.20 (TRAFFIC well)

Sample I.D.: MW-12 — Laboratory: Kiff SPL Other (STL)

Analyzed for: (TPH-G BTEX MTBE TPH-D) Other: MOTOR OIL

EB I.D. (if applicable): @ Time — Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030501-SS1	Site: 285 HEGENBERGER RD, OAKLAND
Sampler: SS MM	Date: 5/1/03
Well I.D.: MW-13	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 14.14	Depth to Water (DTW): 6.62
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 7.52 8.12

Purge Method: Bailer, Disposable Bailer, Middleburg, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other ______

Sampling Method: (Bailer), Disposable Bailer, Extraction Port, Dedicated Tubing, Other: ______

4.9 (Gals.) X 3 = 14.7 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	(4")	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1108	64.8	7.4	4265	22.6	5.0	clear
	dewatered @ ≈ 5.0 gall.					DTW = 10.42
1117	65.0	7.2	4166	29.4	—	clear

Did well dewater? (Yes) No — Gallons actually evacuated: 5

Sampling Date: 5/1/03 — Sampling Time: 1114 — Depth to Water: 10.42 (TRAFFIC WELL)

Sample I.D.: MW-13 — Laboratory: Kiff SPL Other (STL)

Analyzed for: (TPH-G BTEX MTBE TPH-D) Other: METHANOL

EB I.D. (if applicable): @ Time — Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030501-SS1	Site: 285 HENDERSER RD, OAKLAND
Sampler: SS MM	Date: 5/1/03
Well I.D.: VEN-5	Well Diameter: 2 (3) (4) 6 8 COAXIAL
Total Well Depth (TD): 9.15	Depth to Water (DTW): 2.34
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 3.70	

Purge Method: Bailer; Disposable Bailer; Middleburg; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other 5/8" TUBING W/ CHECK VALVE

Sampling Method: Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: TUBING

1 Case Volume	Specified Volumes	Calculated Volume
2.5 / 4 mm (Gals.) X	3	= 7.5 / 13.2 mm Gals.

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
(3")	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1330	68.3	7.2	2545	>200	2.5	BLACK/SILT/GASOLINE
1334	68.9	7.2	2112	>200	5.0	" " "
1339	68.8	7.2	1894	>200	7.5	" " "

Did well dewater? Yes (No) Gallons actually evacuated: 7.5

Sampling Date: 5/1/03 Sampling Time: 1341 Depth to Water: 5.40 (SITE DEPARTURE)

Sample I.D.: VEN-5 Laboratory: Kiff SPL Other (STL)

Analyzed for: TPH-G BTEX MTBE TPH-D Other: MOTOR OIL

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030501-551	Site: 285 HEGENBERGER RD, OAKLAND
Sampler: SS MM	Date: 5/1/03
Well I.D.: VEW-6	Well Diameter: 2 (3) (4) 6 8 COAXIAL
Total Well Depth (TD): 9.16	Depth to Water (DTW): 2.79
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column 6.37 x 0.20) + DTW]: 4.06	

Purge Method: Bailer, Disposable Bailer, Middleburg, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other 3/8" TUBING W/ CHECK VALVE

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: DIP INTO

2.4 (1 Case Volume) (Gals.) X 3 (Specified Volumes) = 7.2 (Calculated Volume) Gals.

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1256	67.1	7.4	3838	>200	2.5	H_2S odor
1258	66.6	7.4	1406	>200	5.0	
1301	66.3	7.3	891.6	>200	7.5	

Did well dewater? Yes (No) Gallons actually evacuated: 7.5

Sampling Date: 5/01/03 Sampling Time: 1306 Depth to Water: 4.06

Sample I.D.: VEW-6 Laboratory: Kiff SPL Other (STL)

Analyzed for: (TPH-G BTEX MTBE TPH-D) Other: MOTOR OIL

@ Time

EB I.D. (if applicable): Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030501-551	Site: 285 HELENDALER RD, OAKLAND
Sampler: SS MM	Date: 5/1/03
Well I.D.: VEW-7	Well Diameter: 2 3 (4) 6 8 COAXIAL
Total Well Depth (TD): 9.65	Depth to Water (DTW): 2.95
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 4.29	

6.7

Purge Method: Bailer, Disposable Bailer, Middleburg, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other 3/4" TUBING w/ CHECK VALVE

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: TUBING

2.5 (1 Case Volume) × 3 (Specified Volumes) = 7.5 (Calculated Volume) Gals.

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
(3")	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1400	67.7	7.3	3483	>200	2.5	ODOR/GAS ODOR
1404	67.7	7.2	2891	>200	5.0	" "
1408	67.9	7.2	2349	>200	7.5	" "

Did well dewater? Yes (No) Gallons actually evacuated: 7.5

Sampling Date: 5/1/03 Sampling Time: 1415 Depth to Water: 6.59 @ 90% Recharge

Sample I.D.: VEW-7 Laboratory: Kiff SPL Other (STL)

Analyzed for: TPH-G BTEX MTBE (TPH-D) Other: MOTOR OIL

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030561-551	Site: 285 HENDEGLER LN, OAKLAND
Sampler: SS MM	Date: 5/1/03
Well I.D.: AS-1	Well Diameter: 2 3 4 6 8 (1)
Total Well Depth (TD): 14.55	Depth to Water (DTW): 5.75
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 7.51	

Purge Method: Bailer, Disposable Bailer, Middleburg, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other 5/8" TUBING W/ CHECK VALVE

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: TUBING

1 Case Volume	(Gals.) X	Specified Volumes	=	Calculated Volume	Gals.
0.35		3		1.1	

Well Diameter	Multiplier	Well Diameter	Multiplier
(1")	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1318	68.2	7.9	9101	>200	0.35	PURGE
1319	68.0	7.8	8997	>200	0.70	"
1320	67.8	7.9	9001	>200	1.05	"

Did well dewater? Yes (No) Gallons actually evacuated: 1.0L

Sampling Date: 5/1/03 Sampling Time: 1443 Depth to Water: ~~1235~~ 1235 SITE DEPARTURE

Sample I.D.: AS-1 Laboratory: Kiff SPL Other STL

Analyzed for: TPH-G BTEX MTBE TPH-D Other: MOTOR OIL

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030501-551	Site: 285 HEGENBERGER RD, OAKLAND
Sampler: SS MM	Date: 5/1/03
Well I.D.: AS-2	Well Diameter: 2 3 4 6 8 (1)
Total Well Depth (TD): 14.79	Depth to Water (DTW): 6.74
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.35	

Purge Method: Bailer, Disposable Bailer, Middleburg, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other 5/8" tubing w/ check valve

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: [illegible]

0.32 (Gals.) X 3 = 0.96 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
(1")	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. ((mS) or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1234	68.9	7.2	47.41	141	.3	
1235	68.6	7.2	47.64	81.7	.6	
1236	68.3	7.2	47.61	59.3	1.0	

Did well dewater? Yes (No) — Gallons actually evacuated: 1.0

Sampling Date: 5/1/03 — Sampling Time: 1244 — Depth to Water: 8.35

Sample I.D.: AS-2 — Laboratory: Kiff SPL Other STL

Analyzed for: (TPH-G BTEX MTBE TPH-D) Other: MOTOR-OIL

EB I.D. (if applicable): @ Time — Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030501-551	Site: 285 HELEN DEFOLER RD, OAKLAND
Sampler: ~~AS~~ SS MU	Date: 5/1/03
Well I.D.: AS-3	Well Diameter: 2 3 4 6 8 (1)
Total Well Depth (TD): 14.77	Depth to Water (DTW): 6.44
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.32	8.11

Purge Method: Bailer, Disposable Bailer, Middleburg, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other 5/8" TUBING W/ CHECK VALVE

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: TUBING

6.33 (Gals.) X 3 = 0.99 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
(1")	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1349	68.6	7.9	18.60	86.5	.35	
1350	68.4	7.8	18.86	21.9	.70	
1351	67.7	8.0	19.33	12.0	1.0	

Did well dewater? Yes (No) Gallons actually evacuated: 1.0

Sampling Date: 5/1/03 Sampling Time: 1425 Depth to Water: 13.00 (SITE DEPARTURE)

Sample I.D.: AS-3 Laboratory: Kiff SPL Other STL

Analyzed for: (TPH-G BTEX MTBE TPH-D) Other: METHANOL

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

WELLHEAD INSPECTION CHECKLIST

Client chevron Date 5/1/03

Site Address 285 HEGENBERGER RD, OAKLAND

Job Number 030501-SS1 Technician SS

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-1	X							
MW-2	X							
MW-3	X							
MW-4	X							
MW-6	X							
MW-8	X							
MW-9	X							
MW-10	X							
MW-11	X							
MW-12	X							
MW-13	X							
EW-5/AS-1	X							
MW-6/AS-2	X							
MW-7/AS-3	X							

NOTES: