

2006

C A M B R I A

ENVIRONMENTAL
PROTECTION

December 8, 1999

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

99 DEC 15 PM 2:27

Re: **Third Quarter 1999 Monitoring Report**
Shell-branded Service Station
3420 San Pablo Avenue
Oakland, California
Incident #98995748
Cambria Project #241-0554-002



Dear Ms. Hugo:

On behalf of Equiva Services LLC, Cambria Environmental Technology, Inc. (Cambria) is submitting this ground water monitoring report in accordance with the reporting requirements of 23 CCR 2652d.

THIRD QUARTER 1999 ACTIVITIES

Ground Water Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California checked for separate-phase hydrocarbons (SPH), and gauged and sampled the site wells. No SPH was detected this quarter. Blaine calculated ground water elevations and compiled the analytical data. Cambria prepared a ground water elevation contour map (Figure 1). The Blaine report, presenting the laboratory report and including supporting field documents, is included as Attachment A.

ANTICIPATED FOURTH QUARTER 1999 ACTIVITIES

Ground Water Monitoring: Blaine will measure and remove detected SPH, gauge and sample all site wells and tabulate the data. Cambria will prepare a monitoring report.

Oakland, CA
Sonoma, CA
Portland, OR
Seattle, WA

**Cambria
Environmental
Technology, Inc.**

1144 65th Street
Suite B
Oakland, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

CLOSING

We appreciate the opportunity to work with you on this project. Please call Darryk Ataide at (510) 420-3339 if you have any questions or comments.

Sincerely,

Cambria Environmental Technology, Inc



Darryk Ataide, REA I
Project Manager

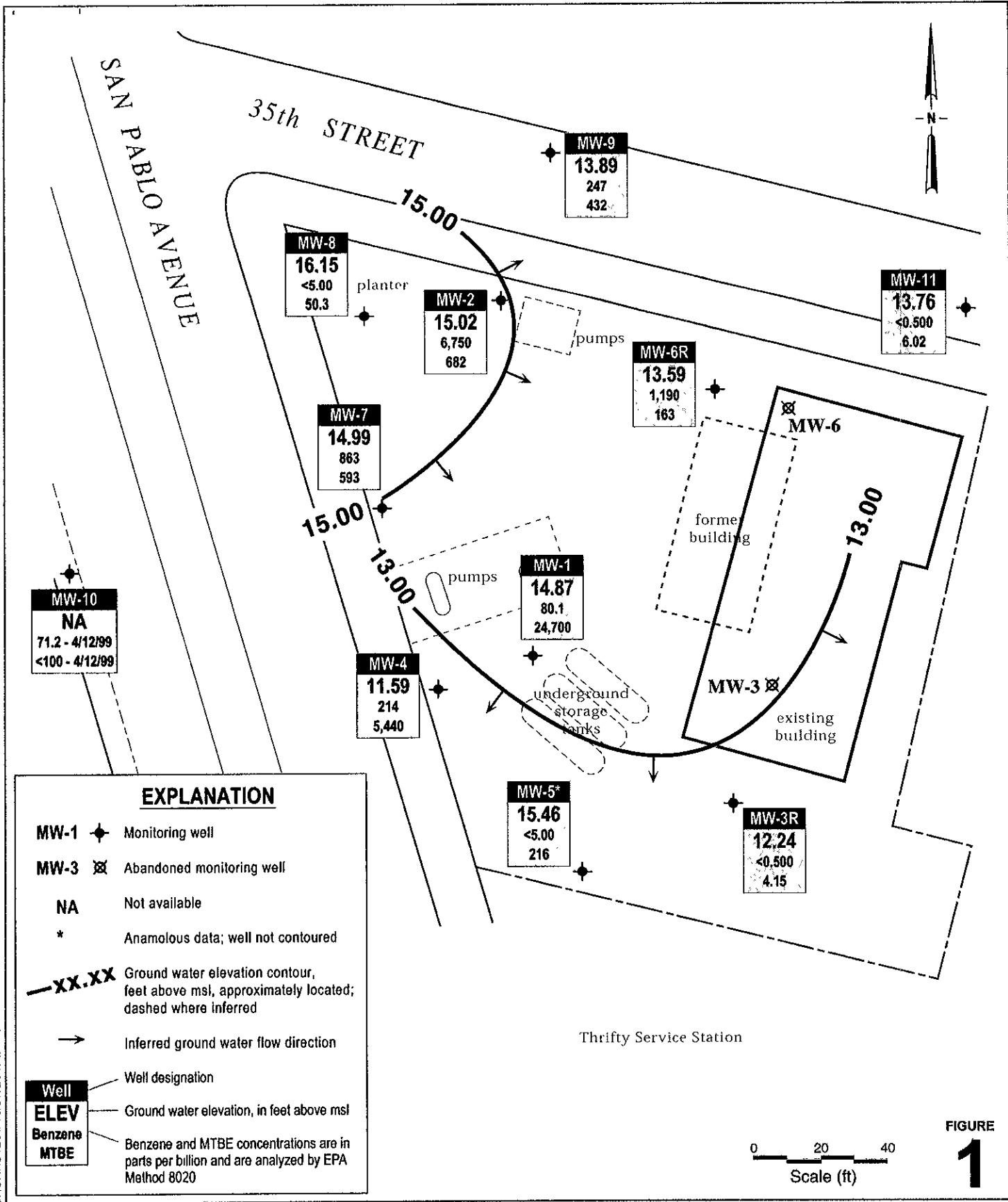
Ailsa S. Le May, R.G.
Senior Geologist

Figure: 1 - Ground Water Elevation Contour Map

Attachment: A - Blaine Ground Water Monitoring Report and Field Notes

cc: Karen Petryna, Equiva Services LLC, P.O. Box 6249, Carson, California 90749

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G:\OAK3420\FIGURES\3QM99-MP.A1

FIGURE 1

Shell-branded Service Station
 3420 San Pablo Avenue
 Oakland, California
 Incident #99895748



CAMBRIA

Ground Water Elevation Contour Map

July 27, 1999

ATTACHMENT A

Blaine Ground Water Monitoring Report
and Field Notes

BLAINE
TECH SERVICES INC.



1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE

October 12, 1999

Karen Petryna
Equiva Services LLC
P.O. Box 6249
Carson, CA 90749-6249

Third Quarter 1999 Groundwater Monitoring at
Shell-branded Service Station
3420 San Pablo Avenue
Oakland, CA

Monitoring performed on July 27, 1999

Groundwater Monitoring Report **990727-X-2**

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, appropriate 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 Shell Martinez Manufacturing Complex.

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. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. concentrates on objective data collection and does not participate in the interpretation of analytical results, the definition of geological or hydrological conditions, the formulation of recommendations, or the marketing of remedial systems.

Please call if you have any questions.

Yours truly,

A handwritten signature in black ink, appearing to read "Deidre Kerwin", with a long horizontal flourish extending to the right.

Deidre Kerwin
Operations Manager

DK/ew

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

cc: Anni Kreml
Cambria Environmental Technology, Inc.
1144 65th Street, Suite C
Oakland, CA 94608-2411

WELL CONCENTRATIONS
Shell-branded Service Station
3420 San Pablo Avenue
Oakland, CA
Wic #204-5508-5306

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-1	08/06/1991	NA	NA	NA	NA	NA	NA	NA	21.28	10.86	NA	10.43	NA	NA
MW-1	10/23/1991	32,000	2,700	360	550	3,700	NA	NA	21.28	11.05	NA	10.24	0.01	NA
MW-1	01/28/1992	14,000	1,000	106	450	1,600	NA	NA	21.28	10.84	NA	10.44	NA	NA
MW-1	05/05/1992	98,000	11,000	1,200	3,500	18,000	NA	NA	21.28	9.42	NA	11.86	<0.01	NA
MW-1	07/13/1992	11,000	1,100	130	740	1,300	NA	NA	21.28	11.36	NA	9.92	NA	NA
MW-1	10/12/1992	NA	NA	NA	NA	NA	NA	NA	21.28	13.14	NA	8.21	0.09	NA
MW-1	01/12/1993	NA	110	NA	NA	NA	NA	NA	21.28	7.52	NA	13.78	0.02	NA
MW-1	04/06/1993	NA	NA	NA	NA	NA	NA	NA	21.28	7.13	NA	14.16	<0.01	NA
MW-1	07/12/1993	NA	NA	NA	NA	NA	NA	NA	21.28	11.02	NA	10.27	0.01	NA
MW-1	10/13/1993	NA	NA	NA	NA	NA	NA	NA	21.28	12.18	NA	9.11	0.01	NA
MW-1	01/20/1994	NA	NA	NA	NA	NA	NA	NA	21.28	9.18	NA	12.10	0.01	NA
MW-1	04/13/1994	NA	NA	NA	NA	NA	NA	NA	21.28	8.72	NA	12.58	0.02	NA
MW-1	07/19/1994	17,000	420	140	530	1,300	NA	NA	21.28	8.76	NA	12.52	NA	NA
MW-1	10/27/1994	23,000	1,200	130	990	960	NA	NA	21.28	10.49	NA	10.79	NA	NA
MW-1	01/03/1995	31,000	610	160	1,200	5,000	NA	NA	21.28	6.15	NA	15.13	NA	NA
MW-1	04/13/1995	20,000	340	42	680	2,900	NA	NA	21.28	5.24	NA	16.04	NA	NA
MW-1	06/30/1995	16,000	450	62	460	1,200	NA	NA	21.28	7.24	NA	14.04	NA	NA
MW-1	10/11/1995	8,400	660	47	510	850	8,000	NA	21.28	9.48	NA	11.80	NA	NA
MW-1	10/13/1995	7,400	730	54	490	1,100	8,200	NA	21.28	NA	NA	NA	NA	NA
MW-1	01/17/1996	24,000	570	110	820	2,900	15,000	NA	21.28	6.48	NA	14.80	NA	NA
MW-1	04/10/1996	20,000	120	11	420	1,400	15,000	NA	21.28	5.38	NA	15.90	NA	NA
MW-1	07/30/1996	7,900	240	22	170	300	12,000	NA	21.28	7.61	NA	13.67	NA	NA
MW-1	10/17/1996	6,600	1,000	20	120	130	10,000	NA	21.28	8.66	NA	12.62	NA	1.4
MW-1	01/22/1997	13,000	170	<50	330	1,200	18,000	NA	21.28	5.00	NA	16.28	NA	1.6
MW-1	04/01/1997	7,900	240	26	130	200	6,400	NA	21.28	6.42	NA	14.86	NA	1.4
MW-1	07/14/1997	5,000	<20	<20	59	61	9,000	NA	21.28	8.92	NA	12.36	NA	1.9
MW-1	10/08/1997	3,200	180	7.6	18	6.1	11,000	NA	21.28	9.43	NA	11.85	NA	4.8
MW-1	01/19/1998	8,100	39	<20	280	660	1,100	NA	21.28	1.20	NA	20.08	NA	2.6

WELL CONCENTRATIONS
Shell-branded Service Station
3420 San Pablo Avenue
Oakland, CA
Wic #204-5508-5306

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-1	04/28/1998	2,900	62	<10	160	370	1,200	1,200	21.28	4.81	NA	16.47	NA	2.4
MW-1	09/30/1998	1,300	25	8.3	<5.0	12	2,000	NA	21.05	9.90	NA	11.15	NA	1.6
MW-1	12/09/1998	21,000	240	<200	520	920	18,000	18,000	21.05	12.26	NA	8.79	NA	4.3
MW-1	01/18/1999	10,600	<100	<100	471	130	48,600	50,800	21.05	6.00	NA	15.05	NA	1.3
MW-1	04/12/1999	7,500	101	26.0	248	578	31,000	37,900	21.05	4.00	NA	17.05	NA	1.2
MW-1	07/27/1999	5,420	80.1	<50.0	123	143	24,700	33,200	21.05	6.18	NA	14.87	NA	1.3

MW-2	08/06/1991	50,000	15,000	NA	2,700	13,000	NA	NA	21.56	9.72	NA	11.84	NA	NA
MW-2	10/23/1991	120,000	11,000	1,400	3,500	19,000	NA	NA	21.56	10.03	NA	11.53	NA	NA
MW-2	01/28/1992	49,000	7,400	800	1,800	8,300	NA	NA	21.56	8.78	NA	12.78	NA	NA
MW-2	05/05/1992	52,000	12,000	1,100	2,200	12,000	NA	NA	21.56	7.58	NA	13.98	NA	NA
MW-2	07/13/1992	47,000	15,000	2,400	4,500	16,000	NA	NA	21.56	9.63	NA	11.93	NA	NA
MW-2	10/12/1992	NA	NA	NA	NA	NA	NA	NA	21.56	11.66	NA	9.92	0.03	NA
MW-2	01/12/1993	NA	NA	NA	NA	NA	NA	NA	21.56	7.13	NA	14.44	0.01	NA
MW-2	04/06/1993	NA	NA	NA	NA	NA	NA	NA	21.56	6.40	NA	15.17	<0.01	NA
MW-2	07/12/1993	59,000	12,000	950	2,400	11,000	NA	NA	21.56	8.75	NA	12.81	NA	NA
MW-2	10/13/1993	54,000	14,000	1,200	3,700	22,000	NA	NA	21.56	10.28	NA	11.28	NA	NA
MW-2	01/20/1994	NA	NA	NA	NA	NA	NA	NA	21.56	NA	NA	NA	NA	NA
MW-2	04/13/1994	79,000	9,400	740	2,100	12,000	NA	NA	21.56	7.35	NA	14.22	<0.01	NA
MW-2	07/19/1994	63,000	13,000	810	1,900	13,000	NA	NA	21.56	8.24	NA	13.32	NA	NA
MW-2	10/27/1994	64,000	8,800	480	2,100	10,000	NA	NA	21.56	10.26	NA	13.32	NA	NA
MW-2	01/03/1995	67,000	9,800	720	2,800	11,000	NA	NA	21.56	6.44	NA	15.12	NA	NA
MW-2	04/13/1995	83,000	10,000	490	2,600	13,000	NA	NA	21.56	5.89	NA	15.67	NA	NA
MW-2	06/30/1995	65,000	12,000	1,800	2,400	12,000	NA	NA	21.56	7.41	NA	14.15	NA	NA
MW-2	10/11/1995	68,000	8,800	840	3,000	13,000	1,400	NA	21.56	8.02	NA	13.54	NA	NA
MW-2	01/17/1996	79,000	12,000	640	2,700	14,000	2,200	NA	21.56	7.42	NA	14.14	NA	NA
MW-2	04/10/1996	84,000	7,200	310	1,700	7,800	2,900	NA	21.56	6.91	NA	14.65	NA	NA
MW-2	07/30/1996	26,000	6,800	210	1,300	5,500	4,500	NA	21.56	7.63	NA	13.93	NA	NA
MW-2	10/17/1996	46,000	9,800	340	2,000	6,500	4,900	NA	21.56	8.27	NA	13.29	NA	1.8

WELL CONCENTRATIONS
Shell-branded Service Station
3420 San Pablo Avenue
Oakland, CA
Wic #204-5508-5306

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
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MW-2	01/22/1997	52,000	6,200	220	1,400	6,600	3,000	NA	21.56	7.09	NA	14.47	NA	1.9
MW-2	04/01/1997	69,000	6,000	380	2,400	11,000	3,800	NA	21.56	6.91	NA	14.65	NA	2.0
MW-2	07/14/1997	53,000	7,700	260	1,600	5,200	2,400	NA	21.56	9.93	NA	11.63	NA	1.2
MW-2	10/08/1997	56,000	8,500	320	1,600	5,100	4,200	NA	21.56	10.43	NA	11.13	NA	2.1
MW-2	01/19/1998	64,000	10,000	230	2,400	12,000	2,700	NA	21.56	3.60	NA	17.96	NA	2.4
MW-2	04/28/1998	45,000	9,800	310	2,700	11,000	2,400	2,000	21.56	4.81	NA	15.71	NA	2
MW-2	09/30/1998	42,000	7,400	200	2,600	9,800	1,800	NA	21.58	7.20	NA	14.38	NA	1.6
MW-2	12/09/1998	60,000	7,000	270	1,600	7,000	2,100	NA	21.58	7.11	NA	14.47	NA	4.6
MW-2	01/18/1999	45,000	7,960	151	1,750	6,410	1,310	NA	21.58	6.83	NA	14.75	NA	1.8
MW-2	04/12/1999	47,400	7,680	131	1,840	6,400	<1000	NA	21.58	5.90	NA	15.68	NA	1.9
MW-2	07/27/1999	36,400	6,750	83.5	1,590	5,070	682	NA	21.58	6.56	NA	15.02	NA	2.0

MW-3	08/06/1991	430	8	1	4	15	NA	NA	21.78	11.18	NA	10.60	NA	NA
MW-3	10/23/1991	390	2.10	<0.3	0.48	2	NA	NA	21.78	11.69	NA	10.09	NA	NA
MW-3	01/28/1992	190	<0.5	<0.5	<0.5	<0.5	NA	NA	21.78	9.99	NA	11.79	NA	NA
MW-3	05/04/1992	190	<1	<1	<1	0.71	NA	NA	21.78	9.46	NA	12.32	NA	NA
MW-3	07/20/1992	200a	<0.5	<0.5	<0.5	<0.5	NA	NA	21.78	11.29	NA	10.49	NA	NA
MW-3	10/12/1992	180a	<0.5	<0.5	<0.5	<0.5	NA	NA	21.78	13.10	NA	8.68	NA	NA
MW-3	01/12/1993	180	<0.5	2.3	0.9	5.6	NA	NA	21.78	7.32	NA	14.46	NA	NA
MW-3	04/06/1993	280	<0.5	<0.5	<0.5	<0.5	NA	NA	21.78	7.44	NA	14.34	NA	NA
MW-3	07/12/1993	310a	<0.5	<0.5	<0.5	<0.5	NA	NA	21.78	10.62	NA	11.16	NA	NA
MW-3	10/13/1993	150	<0.5	<0.5	<0.5	<0.5	NA	NA	21.78	12.05	NA	9.73	NA	NA
MW-3	01/20/1994	180	<0.5	<0.5	<0.5	<0.5	NA	NA	21.78	9.62	NA	12.16	NA	NA
MW-3	04/13/1994	270	<0.5	<0.5	<0.5	<0.5	NA	NA	21.78	9.15	NA	12.63	NA	NA
MW-3	07/19/1994	190a	<0.5	<0.5	<0.5	<0.5	NA	NA	21.78	10.13	NA	11.65	NA	NA
MW-3	10/27/1994	160a	<0.5	<0.5	<0.5	<0.5	NA	NA	21.78	11.66	NA	10.12	NA	NA
MW-3	01/03/1995	100a	<0.5	<0.5	<0.5	<0.5	NA	NA	21.78	6.89	NA	14.89	NA	NA
MW-3	04/13/1995	120a	<0.5	<0.5	<0.5	<0.5	NA	NA	21.78	6.79	NA	14.99	NA	NA
MW-3	06/30/1995	180a	<0.5	<0.5	<0.5	<0.5	NA	NA	21.78	8.94	NA	12.84	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3420 San Pablo Avenue
Oakland, CA
Wic #204-5508-5306

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
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MW-3	04/13/1995	120a	<0.5	<0.5	<0.5	<0.5	NA	NA	21.78	6.79	NA	14.99	NA	NA
MW-3	06/30/1995	180a	<0.5	<0.5	<0.5	<0.5	NA	NA	21.78	8.94	NA	12.84	NA	NA
MW-3	10/11/1995	150	2.2	<0.5	<0.5	<0.5	2.3	NA	21.78	10.62	NA	11.16	NA	NA
MW-3	01/17/1996	120	<0.5	<0.5	<0.5	<0.5	7.8	NA	21.78	7.18	NA	14.60	NA	NA
MW-3	04/10/1996	160	<0.5	<0.5	<0.5	<0.5	12	NA	21.78	6.76	NA	15.02	NA	NA
MW-3	07/30/1996	57	<0.5	<0.5	<0.5	<0.5	<2.5	NA	21.78	9.04	NA	12.74	NA	NA
MW-3	10/17/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	21.78	9.04	NA	12.74	NA	2.0
MW-3	01/22/1997	<50	<0.5	<0.5	<0.5	<0.5	3.7	NA	21.78	5.03	NA	16.75	NA	2.4
MW-3	04/01/1997	71	<0.50	<0.50	<0.50	<0.50	NA b	NA	21.78	8.23	NA	13.55	NA	1.6
MW-3	07/14/1997	<50	<0.50	<0.50	<0.50	1.5	NA b	NA	21.78	9.09	NA	12.69	NA	1.9
MW-3	10/08/1997	73	<0.50	<0.50	<0.50	<0.50	NA b	NA	21.78	10.23	NA	11.55	NA	5.5
MW-3	12/05/1997	Abandoned												

MW-3R	04/06/1999	NA	NA	NA	NA	NA	NA	NA	21.83	9.89	NA	11.94	NA	NA
MW-3R	04/12/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	21.83	5.83	NA	16.00	NA	2.1
MW-3R	07/27/1999	<50.0	<0.500	<0.500	<0.500	<0.500	2.15	NA	21.83	9.59	NA	12.24	NA	2.0

MW-4	08/06/1991	1,300	28	18	68	150	NA	NA	20.31	10.57	NA	9.74	NA	NA
MW-4	10/23/1991	1,900	97	6.10	38	77	NA	NA	20.31	10.46	NA	9.85	NA	NA
MW-4	01/28/1992	200	7.60	<0.5	3	3.30	NA	NA	20.31	9.54	NA	10.77	NA	NA
MW-4	05/04/1992	690	98	3	13	<1	NA	NA	20.31	8.33	NA	11.98	NA	NA
MW-4	07/13/1992	1,500	140	2.90	17	12	NA	NA	20.31	9.87	NA	10.44	NA	NA
MW-4	10/12/1992	NA	NA	NA	NA	NA	NA	NA	20.31	12.43	NA	8.50	0.78	NA
MW-4	01/12/1993	NA	NA	NA	NA	NA	NA	NA	20.31	7.12	NA	13.99	1.00	NA
MW-4	04/06/1993	NA	NA	NA	NA	NA	NA	NA	20.31	7.23	NA	13.84	0.95	NA
MW-4	07/12/1993	NA	NA	NA	NA	NA	NA	NA	20.31	10.08	NA	10.25	0.03	NA
MW-4	10/13/1993	NA	NA	NA	NA	NA	NA	NA	20.31	11.35	NA	9.06	0.12	NA
MW-4	01/20/1994	NA	NA	NA	NA	NA	NA	NA	20.31	9.06	NA	11.26	0.02	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3420 San Pablo Avenue
Oakland, CA
Wic #204-5508-5306

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
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MW-4	01/03/1995	NA	NA	NA	NA	NA	NA	NA	20.31	5.49	NA	14.83	0.01	NA
MW-4	04/13/1995	NA	NA	NA	NA	NA	NA	NA	20.31	6.53	NA	13.80	0.03	NA
MW-4	06/30/1995	7,400	140	<0.5	160	350	NA	NA	20.31	9.57	NA	10.74	NA	NA
MW-4	10/11/1995	3,000	29	10	100	82	9,700	NA	20.31	10.30	NA	10.01	NA	NA
MW-4	01/17/1996	9,700	190	<0.5	190	410	4,500	NA	20.31	6.68	NA	13.63	NA	NA
MW-4	04/10/1996	2,800	16	<0.5	22	50	6,100	NA	20.31	7.90	NA	12.41	NA	NA
MW-4	07/30/1996	1,600	68	<12	58	39	8,500	NA	20.31	8.73	NA	11.58	NA	2.8
MW-4	10/17/1996	4,800	120	<25	150	96	11,000	NA	20.31	7.63	NA	10.34	NA	2.8
MW-4	01/22/1997	12,000	83	<20	170	240	4,300	NA	20.31	5.26	NA	15.05	NA	2.6
MW-4	04/01/1997	4,800	65	<5.0	81	93	3,200	NA	20.31	8.02	NA	12.29	NA	2.4
MW-4	07/14/1997	2,400	35	<10	30	20	6,000	NA	20.31	10.05	NA	10.26	NA	2.0
MW-4	10/08/1997	2,900	66	<20	<20	<20	7,300	NA	20.31	10.22	NA	10.09	NA	5.9
MW-4	01/19/1998	Inaccessible		NA	NA	NA	NA	NA	20.31	NA	NA	NA	NA	NA
MW-4	04/28/1998	Inaccessible		NA	NA	NA	NA	NA	20.31	NA	NA	NA	NA	NA
MW-4	09/30/1998	1,300	57	8.7	58	37	3,600	NA	20.92	9.31	NA	11.61	NA	2.9
MW-4	12/09/1998	3,500	130	<5.0	100	36	3,200	4,500	20.92	9.30	NA	11.62	NA	2.2
MW-4	01/18/1999	7,040	321	<25.0	273	<25.0	4,830	4,660	20.92	8.60	NA	12.32	NA	2.3
MW-4	04/12/1999	1,540	47.6	<10.0	24.4	<10.0	2,760	NA	20.92	6.25	NA	14.67	NA	1.9
MW-4	07/27/1999	3,570	214	<25.0	58.3	31.0	5,440	7,280	20.92	9.33	NA	11.59	NA	1.9

MW-5	08/06/1991	9,100	210	27	240	660	NA	NA	20.91	10.23	NA	10.68	NA	NA
MW-5	10/23/1991	12,000	92	18	230	450	NA	NA	20.91	10.89	NA	10.02	NA	NA
MW-5	01/28/1992	3,300	130	10	180	220	NA	NA	20.91	8.45	NA	12.46	NA	NA
MW-5	05/04/1992	3,900	95	<12.5	260	120	NA	NA	20.91	8.05	NA	12.86	NA	NA
MW-5	07/13/1992	4,100	180	12	250	73	NA	NA	20.91	10.00	NA	10.91	NA	NA
MW-5	10/12/1992	NA	NA	NA	NA	NA	NA	NA	20.91	11.83	NA	9.09	0.01	NA
MW-5	01/12/1993	NA	NA	NA	NA	NA	NA	NA	20.91	6.10	NA	14.81	<0.01	NA
MW-5	04/06/1993	6,200	71	<0.5	53	150	NA	NA	20.91	6.18	NA	14.73	NA	NA
MW-5	07/12/1993	3,400	130	<0.5	170	130	NA	NA	20.91	9.59	NA	11.32	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3420 San Pablo Avenue
Oakland, CA
Wic #204-5508-5306

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
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MW-5	10/13/1993	NA	NA	NA	NA	NA	NA	NA	20.91	10.80	NA	10.13	0.03	NA
MW-5	01/20/1994	NA	NA	NA	NA	NA	NA	NA	20.91	7.42	NA	13.49	0.01	NA
MW-5	04/13/1994	NA	NA	NA	NA	NA	NA	NA	20.91	7.05	NA	13.87	0.01	NA
MW-5	07/19/1994	11,000	180	13	180	260	NA	NA	20.91	8.57	NA	12.34	NA	NA
MW-5	10/27/1994	6,900	82	<5	210	1110	NA	NA	20.91	10.14	NA	10.77	NA	NA
MW-5	01/03/1995	12,000	110	46	790	510	NA	NA	20.91	5.84	NA	15.07	NA	NA
MW-5	04/13/1995	10,000	61	<20	330	140	NA	NA	20.91	5.28	NA	15.63	NA	NA
MW-5	06/30/1995	12,000	180	8.60	440	340	NA	NA	20.91	7.43	NA	13.48	NA	NA
MW-5	10/11/1995	11,000	<50	<50	440	340	5,100	NA	20.91	8.90	NA	12.01	NA	NA
MW-5	01/17/1996	82,000	330	120	960	1,400	820	NA	20.91	6.40	NA	14.51	NA	NA
MW-5	04/10/1996	23,000	<50	<50	360	190	770	NA	20.91	5.70	NA	15.21	NA	NA
MW-5	07/30/1996	38,000	3,000	<100	1,100	2,600	560	NA	20.91	7.71	NA	13.20	NA	NA
MW-5	10/17/1996	13,000	36	<10	210	160	720	NA	20.91	9.04	NA	11.87	NA	1.4
MW-5	01/22/1997	20,000	63	<50	380	390	650	NA	20.91	4.85	NA	16.06	NA	1.6
MW-5	04/01/1997	16,000	110	<50	390	320	2,200	NA	20.91	6.54	NA	14.37	NA	1.4
MW-5	07/14/1997	15,000	70	<20	220	170	450	NA	20.91	8.54	NA	12.37	NA	1.8
MW-5	10/08/1997	9,100	27	11	170	57	530	NA	20.91	9.09	NA	11.82	NA	4.7
MW-5	01/19/1998	9,500	92	<50	200	77	1,100	NA	20.91	2.11	NA	18.80	NA	2.5
MW-5	04/28/1998	15,000	100	53	150	80	460	NA	20.91	4.90	NA	16.01	NA	2.2
MW-5	09/30/1998	11,000	120	<100	240	200	<500	NA	21.71	8.05	NA	13.66	NA	2.0
MW-5	12/09/1998	45,000	<200	<200	240	240	<1000	NA	21.71	8.62	NA	13.09	NA	4.7
MW-5	01/18/1999	9,120	13.8	<2.50	315	74.5	131	NA	21.71	6.75	NA	14.96	NA	2.1
MW-5	04/12/1999	16,200	80.9	<50.0	163	<50.0	8,310	NA	21.71	4.80	NA	16.91	NA	2.3
MW-5	07/27/1999	6,820	<5.00	<5.00	997	<5.00	216	NA	21.71	6.25	NA	15.46	NA	2.1

MW-6	08/06/1991	28,000	1,400	200	1,300	4,200	NA	NA	22.32	10.61	NA	11.71	NA	NA
MW-6	10/23/1991	53,000	1,400	230	1,800	6,700	NA	NA	22.32	11.68	NA	10.64	NA	NA
MW-6	01/28/1992	87,000	1,200	470	2,000	6,600	NA	NA	22.32	8.90	NA	13.42	NA	NA
MW-6	05/05/1992	230,000	<500	<500	3,200	11,000	NA	NA	22.32	8.01	NA	14.31	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3420 San Pablo Avenue
Oakland, CA
Wic #204-5508-5306

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-6	07/13/1992	2,700,000	<2,500	3,500	14,000	36,000	NA	NA	22.32	10.77	NA	11.55	NA	NA
MW-6	10/12/1992	NA	NA	NA	NA	NA	NA	NA	22.32	8.68	NA	9.34	0.48	NA
MW-6	01/12/1993	NA	NA	NA	NA	NA	NA	NA	22.32	6.40	NA	15.92	<0.01	NA
MW-6	04/06/1993	320,000	2,500	14,000	980	14,000	NA	NA	22.32	5.93	NA	16.39	NA	NA
MW-6	07/12/1993	31,000	1,100	4,500	150	4,500	NA	NA	22.32	10.25	NA	12.07	NA	NA
MW-6	10/13/1993	NA	NA	NA	NA	NA	NA	NA	22.32	12.28	NA	10.20	0.20	NA
MW-6	01/20/1994	NA	NA	NA	NA	NA	NA	NA	22.32	9.14	NA	13.20	0.02	NA
MW-6	04/13/1994	NA	NA	NA	NA	NA	NA	NA	22.32	7.67	NA	14.66	0.01	NA
MW-6	07/19/1994	NA	NA	NA	NA	NA	NA	NA	22.32	10.07	NA	12.31	0.07	NA
MW-6	10/27/1994	NA	NA	NA	NA	NA	NA	NA	22.32	11.84	NA	10.57	0.11	NA
MW-6	01/03/1995	NA	NA	NA	NA	NA	NA	NA	22.32	7.80	NA	14.54	0.02	NA
MW-6	04/13/1995	NA	NA	NA	NA	NA	NA	NA	22.32	5.77	NA	16.57	0.02	NA
MW-6	06/30/1995	1,100,000	6,600	6,100	12,000	29,000	NA	NA	22.32	7.78	NA	14.54	NA	NA
MW-6	10/11/1995	30,000	130	<50	1,400	4,200	710	NA	22.32	10.06	NA	12.26	NA	NA
MW-6	01/17/1996	450,000	510	1,400	2,700	11,000	630	NA	22.32	6.91	NA	15.41	NA	NA
MW-6	04/10/1996	22,000	47	<10	350	860	<50	NA	22.32	5.92	NA	16.40	NA	NA
MW-6	07/30/1996	38,000	3,000	<100	1,100	2,600	560	NA	22.32	8.97	NA	13.35	NA	NA
MW-6	10/17/1996	34,000	470	<100	1,300	3,900	<500	NA	22.32	9.87	NA	12.45	NA	1.0
MW-6	01/22/1997	26,000	<100	<100	600	1,700	<500	NA	22.32	4.43	NA	17.89	NA	1.3
MW-6	04/01/1997	30,000	96	33	840	2,600	190	NA	22.32	6.84	NA	15.48	NA	1.4
MW-6	07/14/1997	29,000	200	<100	690	2,000	<500	NA	22.32	10.30	NA	12.02	NA	2.3
MW-6	10/08/1997	55,000	500	110	640	1,500	900	NA	22.32	10.46	NA	11.86	NA	0.0
MW-6	12/05/1997	Abandoned												
MW-6R	04/06/1999	NA	NA	NA	NA	NA	NA	NA	22.19	12.13	NA	10.06	NA	NA
MW-6R	04/12/1999	26,100	1,750	68.5	2160	4450	765	NA	22.19	6.10	NA	16.09	NA	2.4
MW-6R	07/27/1999	25,600	1,190	30.5	1810	3030	163	NA	22.19	8.60	NA	13.59	NA	2.5
MW-7	08/06/1991	13,000	4,300	76	770	730	NA	NA	20.36	8.00	NA	12.36	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3420 San Pablo Avenue
Oakland, CA
Wic #204-5508-5306

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-7	10/23/1991	18,000	3,200	31	660	770	NA	NA	20.36	8.16	NA	12.20	NA	NA
MW-7	01/28/1992	5,000	1,200	<10	220	54	NA	NA	20.36	7.11	NA	13.25	NA	NA
MW-7	05/05/1992	9,500	3,100	72	620	880	NA	NA	20.36	6.47	NA	13.89	NA	NA
MW-7	07/13/1992	20,000	4,200	130	1,600	1,100	NA	NA	20.36	7.73	NA	12.63	NA	NA
MW-7	10/12/1992	16,000	2,500	170	560	170	NA	NA	20.36	9.97	NA	11.68	NA	NA
MW-7	01/12/1993	15,000	2,300	<50	690	440	NA	NA	20.36	6.26	NA	14.10	NA	NA
MW-7	04/06/1993	26,000	5,400	<0.5	1,200	3,000	NA	NA	20.36	5.92	NA	14.44	NA	NA
MW-7	07/12/1993	10,000	3,000	100	510	530	NA	NA	20.36	7.27	NA	13.09	NA	NA
MW-7	10/13/1993	59,000	13,000	4,400	4,400	20,000	NA	NA	20.36	9.40	NA	10.96	NA	NA
MW-7	01/20/1994	NA	NA	NA	NA	NA	NA	NA	20.36	7.03	NA	13.37	0.05	NA
MW-7	04/13/1994	NA	NA	NA	NA	NA	NA	NA	20.36	6.56	NA	13.93	0.16	NA
MW-7	07/19/1994	NA	NA	NA	NA	NA	NA	NA	20.36	6.91	NA	13.61	0.20	NA
MW-7	10/27/1994	NA	NA	NA	NA	NA	NA	NA	20.36	8.28	NA	12.11	0.04	NA
MW-7	01/03/1995	NA	NA	NA	NA	NA	NA	NA	20.36	6.48	NA	13.90	0.02	NA
MW-7	04/13/1995	NA	NA	NA	NA	NA	NA	NA	20.36	6.54	NA	13.84	0.02	NA
MW-7	06/30/1995	900,000	11,000	8,500	14,000	52,000	NA	NA	20.36	7.08	NA	13.28	NA	NA
MW-7	10/11/1995	NA	NA	NA	NA	NA	NA	NA	20.36	7.88	NA	12.51	0.04	NA
MW-7	01/17/1996	NA	NA	NA	NA	NA	NA	NA	20.36	7.26	NA	13.13	0.04	NA
MW-7	04/10/1996	NA	NA	NA	NA	NA	NA	NA	20.36	6.98	NA	13.42	0.05	NA
MW-7	07/30/1996	NA	NA	NA	NA	NA	NA	NA	20.36	7.34	NA	13.04	0.03	NA
MW-7	10/17/1996	NA	NA	NA	NA	NA	NA	NA	20.36	7.63	NA	12.75	0.02	NA
MW-7	01/22/1997	56,000	2,000	520	1,400	8,400	1,800	NA	20.36	6.46	NA	13.90	NA	0.5
MW-7	04/01/1997	66,000	3,600	460	2,400	10,000	2,300	NA	20.36	6.97	NA	13.39	NA	1.6
MW-7	07/14/1997	NA	NA	NA	NA	NA	NA	NA	20.36	8.90	NA	11.48	0.03	NA
MW-7	10/08/1997	68,000	3,200	470	2,400	9,700	3,300	NA	20.36	9.21	NA	11.15	0.01	2.1
MW-7	01/19/1998	44,000	1,800	220	1,700	7,800	1,600	NA	20.36	4.65	NA	15.71	NA	1.6
MW-7	04/28/1998	82,000	1,500	<500	1,200	8,900	<2,500	NA	20.36	6.53	NA	13.83	NA	1.3
MW-7	09/30/1998	41,000	2,300	290	2,200	7,000	1,400	NA	20.35	5.59	NA	14.76	NA	1.4
MW-7	12/09/1998	31,000	530	130	1,100	4,300	<500	NA	20.35	5.91	NA	14.44	NA	4.9

WELL CONCENTRATIONS
Shell-branded Service Station
3420 San Pablo Avenue
Oakland, CA
Wic #204-5508-5306

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-7	01/18/1999	35,300	975	175	1,360	5,750	256	NA	20.35	5.02	NA	15.33	NA	1.2
MW-7	04/12/1999	43,300	728	161	1,820	6,190	<500	NA	20.35	4.57	NA	15.78	NA	1.3
MW-7	07/27/1999	36,600	863	683	1,540	4,370	593	NA	20.35	5.36	NA	14.99	NA	1.2
MW-8	08/06/1991	32,000	3,700	1,100	1,400	6,100	NA	NA	20.95	9.60	NA	11.35	NA	NA
MW-8	10/23/1991	63,000	4,800	1,300	1,300	6,900	NA	NA	20.95	9.73	NA	11.22	NA	NA
MW-8	01/28/1992	32,000	1,900	750	1,400	6,300	NA	NA	20.95	7.72	NA	13.23	NA	NA
MW-8	05/05/1992	180,000	2,200	2,000	2,700	13,000	NA	NA	20.95	6.48	NA	14.47	NA	NA
MW-8	07/13/1992	56,000	4,500	1,500	2,700	9,100	NA	NA	20.95	8.55	NA	12.40	NA	NA
MW-8	10/12/1992	34,000	2,400	550	1,400	6,400	NA	NA	20.95	9.97	NA	10.98	NA	NA
MW-8	01/12/1993	110,000	2,100	1,200	2,400	12,000	NA	NA	20.95	6.94	NA	14.01	NA	NA
MW-8	04/06/1993	38,000	2,500	840	1,100	4,900	NA	NA	20.95	5.72	NA	15.23	NA	NA
MW-8	07/12/1993	27,000	2,800	990	1,200	5,300	NA	NA	20.95	7.65	NA	13.30	NA	NA
MW-8	10/13/1993	32,000	3,300	1,300	1,600	8,400	NA	NA	20.95	8.25	NA	12.70	NA	NA
MW-8	01/20/1994	78,000	1,900	670	1,300	6,600	NA	NA	20.95	7.25	NA	13.70	NA	NA
MW-8	04/13/1994	41,000	1,300	720	1,200	6,000	NA	NA	20.95	7.12	NA	13.83	NA	NA
MW-8	07/19/1994	140,000	1,800	1,400	2,000	9,000	NA	NA	20.95	7.43	NA	13.52	NA	NA
MW-8	10/27/1994	32,000	1,200	670	1,200	5,700	NA	NA	20.95	7.55	NA	13.40	NA	NA
MW-8	01/03/1995	38,000	1,000	700	1,500	7,500	NA	NA	20.95	6.04	NA	14.91	NA	NA
MW-8	04/13/1995	31,000	1,200	570	1,000	5,300	NA	NA	20.95	5.04	NA	15.91	NA	NA
MW-8	06/30/1995	110,000	2,000	1,500	2,000	9,700	NA	NA	20.95	5.72	NA	15.23	NA	NA
MW-8	10/11/1995	36,000	170	60	1,300	6,300	510	NA	20.95	7.06	NA	13.89	NA	NA
MW-8	01/17/1996	38,000	1,000	520	1,100	6,200	950	NA	20.95	5.84	NA	15.11	NA	NA
MW-8	04/10/1996	54,000	650	260	850	4,700	<250	NA	20.95	5.03	NA	15.92	NA	NA
MW-8	07/30/1996	33,000	780	330	830	4,200	1,700	NA	20.95	6.36	NA	14.59	NA	NA
MW-8	10/17/1996	35,000	750	300	1,100	5,000	1,200	NA	20.95	5.94	NA	15.01	NA	1.6
MW-8	01/22/1997	25,000	260	78	420	2,400	120	NA	20.95	5.93	NA	15.02	NA	1.8
MW-8	04/01/1997	22,000	680	180	550	2,500	260	NA	20.95	6.24	NA	14.71	NA	1.8
MW-8	07/14/1997	29,000	870	200	850	3,100	500	NA	20.95	8.59	NA	12.36	NA	1.4

WELL CONCENTRATIONS
Shell-branded Service Station
3420 San Pablo Avenue
Oakland, CA
Wic #204-5508-5306

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
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MW-8	10/08/1997	27,000	1,000	190	960	3,000	170	NA	20.95	9.04	NA	11.91	NA	4.6
MW-8	01/19/1998	21,000	660	160	740	3,300	170	NA	20.95	3.34	NA	17.61	NA	2.2
MW-8	04/28/1998	Inaccessible		NA	NA	NA	NA	NA	20.95	NA	NA	NA	NA	NA
MW-8	09/30/1998	19,000	370	230	880	3,800	410	NA	21.15	7.00	NA	14.15	NA	1.2
MW-8	12/09/1998	1,400	92	90	74	260	<250	NA	21.15	6.38	NA	14.77	NA	3.6
MW-8	01/18/1999	317	<0.500	<0.500	3.04	0.984	3.92	NA	21.15	1.85	NA	19.30	NA	2.0
MW-8	04/12/1999	8,300	35.6	24.4	144	466	<100	NA	21.15	3.65	NA	17.50	NA	1.6
MW-8	07/27/1999	12,700	<5.00	5.47	281	1130	50.3	NA	21.15	5.00	NA	16.15	NA	1.4

MW-9	08/06/1991	11,000	1,700	95	520	1,400	NA	NA	21.19	10.33	NA	10.86	NA	NA
MW-9	10/23/1991	20,000	1,000	47	<0.3	940	NA	NA	21.19	11.13	NA	10.06	NA	NA
MW-9	01/28/1992	3,500	120	<10	280	36	NA	NA	21.19	9.02	NA	12.17	NA	NA
MW-9	05/04/1992	7,700	1,200	<50	380	630	NA	NA	21.19	7.67	NA	13.52	NA	NA
MW-9	07/20/1992	11,000	910	<50	220	1,200	NA	NA	21.19	10.26	NA	10.93	NA	NA
MW-9	10/12/1992	2,100	340	15	77	44	NA	NA	21.19	12.19	NA	9.00	NA	NA
MW-9	01/12/1993	Inaccessible		NA	NA	NA	NA	NA	21.19	NA	NA	NA	NA	NA
MW-9	04/06/1993	Inaccessible		NA	NA	NA	NA	NA	21.19	NA	NA	NA	NA	NA
MW-9	07/12/1993	Inaccessible		NA	NA	NA	NA	NA	21.19	NA	NA	NA	NA	NA
MW-9	10/13/1993	2,900	140	<5	<5	120	NA	NA	21.19	11.17	NA	10.02	NA	NA
MW-9	01/20/1994	1,700	380	6.90	150	400	NA	NA	21.19	8.03	NA	13.16	NA	NA
MW-9	04/13/1994	6,000	1,000	<20	450	420	NA	NA	21.19	7.81	NA	13.38	NA	NA
MW-9	07/19/1994	12,000	1,400	<5	740	1,200	NA	NA	21.19	8.96	NA	12.23	NA	NA
MW-9	10/27/1994	10,000	1,200	160	280	860	NA	NA	21.19	11.00	NA	10.19	NA	NA
MW-9	01/03/1995	4,400	680	7.70	180	370	NA	NA	21.19	6.60	NA	14.59	NA	NA
MW-9	04/13/1995	1,700	270	<10	69	170	NA	NA	21.19	6.73	NA	14.46	NA	NA
MW-9	06/30/1995	14,000	2,200	18	900	2,600	NA	NA	21.19	7.32	NA	13.87	NA	NA
MW-9	10/11/1995	9,600	35	12	360	980	590	NA	21.19	8.10	NA	13.09	NA	NA
MW-9	01/17/1996	2,800	150	7.41	54	130	170	NA	21.19	5.75	NA	15.44	NA	NA
MW-9	04/10/1996	5,200	290	<5	92	220	240	NA	21.19	5.17	NA	16.02	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3420 San Pablo Avenue
Oakland, CA
Wic #204-5508-5306

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
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MW-9	04/13/1994	6,000	1,000	<20	450	420	NA	NA	21.19	7.81	NA	13.38	NA	NA
MW-9	07/19/1994	12,000	1,400	<5	740	1,200	NA	NA	21.19	8.96	NA	12.23	NA	NA
MW-9	10/27/1994	10,000	1,200	160	280	860	NA	NA	21.19	11.00	NA	10.19	NA	NA
MW-9	01/03/1995	4,400	680	7.70	180	370	NA	NA	21.19	6.60	NA	14.59	NA	NA
MW-9	04/13/1995	1,700	270	<10	69	170	NA	NA	21.19	6.73	NA	14.46	NA	NA
MW-9	06/30/1995	14,000	2,200	18	900	2,600	NA	NA	21.19	7.32	NA	13.87	NA	NA
MW-9	10/11/1995	9,600	35	12	360	980	590	NA	21.19	8.10	NA	13.09	NA	NA
MW-9	01/17/1996	2,800	150	7.41	54	130	170	NA	21.19	5.75	NA	15.44	NA	NA
MW-9	04/10/1996	5,200	290	<5	92	220	240	NA	21.19	5.17	NA	16.02	NA	NA
MW-9	07/30/1996	5,100	960	<10	380	770	670	NA	21.19	8.10	NA	13.09	NA	NA
MW-9	10/17/1996	15,000	2,100	<25	590	1,300	1,500	NA	21.19	9.12	NA	12.07	NA	2.4
MW-9	01/22/1997	5,600	690	<5.0	140	310	620	NA	21.19	4.72	NA	16.47	NA	2.2
MW-9	04/01/1997	4,000	590	<10	140	200	600	NA	21.19	6.86	NA	14.33	NA	2.2
MW-9	07/14/1997	7,100	860	<10	51	230	950	NA	21.19	10.04	NA	11.15	NA	3.8
MW-9	10/08/1997	1,500	57	<2.0	2.0	13	540	NA	21.19	11.38	NA	9.81	NA	8.2
MW-9	01/19/1998	2,500	280	<20	79	61	620	NA	21.19	3.88	NA	17.31	NA	1.4
MW-9	04/28/1998	2,200	330	<20	91	110	640	NA	21.19	5.87	NA	15.32	NA	1.6
MW-9	09/30/1998	2,800	490	<5.0	87	240	1,200	NA	21.19	8.25	NA	12.94	NA	4.0
MW-9	12/09/1998	3,700	370	<5.0	83	130	1,100	NA	21.19	8.07	NA	13.12	NA	2.9
MW-9	01/18/1999	9,670	1,110	<5.00	442	571	786	NA	21.19	7.54	NA	13.65	NA	3.2
MW-9	04/12/1999	3,140	272	<10.0	41.6	114	542	NA	21.19	5.60	NA	15.59	NA	1.7
MW-9	07/27/1999	3,580	247	<10.0	67.7	137	432	NA	21.19	7.30	NA	13.89	NA	1.6

MW-10	10/23/1991	27,000	1,600	110	1,800	510	NA	NA	19.74	8.57	NA	11.17	NA	NA
MW-10	01/28/1992	3,800	360	14	170	39	NA	NA	19.74	7.60	NA	12.14	NA	NA
MW-10	05/04/1992	3,000	360	<12.5	140	26	NA	NA	19.74	7.54	NA	12.20	NA	NA
MW-10	07/20/1992	15,000	400	<25	180	67	NA	NA	19.74	8.59	NA	11.15	NA	NA
MW-10	10/12/1992	16,000	320	<50	360	100	NA	NA	19.74	10.23	NA	9.51	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3420 San Pablo Avenue
Oakland, CA
Wic #204-5508-5306

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-10	06/30/1995	12,000	750	20	480	130	NA	NA	19.74	7.61	NA	12.13	NA	NA
MW-10	01/17/1996	17,000	870	260	93	830	NA	NA	19.74	7.00	NA	12.74	NA	NA
MW-10	04/10/1996	14,000	470	38	110	370	NA	NA	19.74	6.80	NA	NA	NA	NA
MW-10	07/30/1996	NA	NA	NA	NA	NA	NA	NA	19.74	NA	NA	NA	NA	NA
MW-10	10/17/1996	NA	NA	NA	NA	NA	NA	NA	19.74	NA	NA	NA	NA	NA
MW-10	01/22/1997	10,000	520	<20	64	32	180	NA	19.74	6.68	NA	13.06	NA	3.1
MW-10	04/01/1997	11,000	590	<20	53	32	210	NA	19.74	7.34	NA	12.40	NA	2.8
MW-10	07/14/1997	6,600	410	13	28	11	89	NA	19.74	8.10	NA	11.64	NA	1.4
MW-10	10/08/1997	7,600	220	13	65	22	190	NA	19.74	8.20	NA	11.54	NA	6.4
MW-10	01/19/1998	Inaccessible		NA	NA	NA	NA	NA	19.74	NA	NA	NA	NA	NA
MW-10	04/28/1998	Inaccessible		NA	NA	NA	NA	NA	19.74	NA	NA	NA	NA	NA
MW-10	09/30/1998	Inaccessible		NA	NA	NA	NA	NA	19.76	8.11	NA	11.65	NA	NA
MW-10	12/09/1998	28,000	150	<100	240	160	<500	NA	19.76	8.21	NA	11.55	NA	2.7
MW-10	01/18/1999	Inaccessible		NA	NA	NA	NA	NA	19.76	NA	NA	NA	NA	NA
MW-10	04/12/1999	8320	71.2	27.4	138	456	<100	NA	19.76	5.96	NA	13.80	NA	1.8
MW-10	07/27/1999	Inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-11	10/23/1991	140	<12	<0.3	0.37	0.56	NA	NA	22.06	8.06	NA	8.06	NA	NA
MW-11	01/28/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	22.06	8.74	NA	3.32	NA	NA
MW-11	05/04/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	22.06	8.29	NA	13.77	NA	NA
MW-11	07/13/1992	140	<0.5	<0.5	<0.5	<0.5	NA	NA	22.06	10.50	NA	11.56	NA	NA
MW-11	10/12/1992	75	<0.5	<0.5	<0.5	<0.5	NA	NA	22.06	12.40	NA	9.66	NA	NA
MW-11	01/12/1993	Inaccessible		NA	NA	NA	NA	NA	22.06	NA	NA	NA	NA	NA
MW-11	04/06/1993	Inaccessible		NA	NA	NA	NA	NA	22.06	NA	NA	NA	NA	NA
MW-11	07/12/1993	Inaccessible		NA	NA	NA	NA	NA	22.06	NA	NA	NA	NA	NA
MW-11	10/13/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	22.06	11.47	NA	10.59	NA	NA
MW-11	01/20/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	22.06	9.09	NA	12.97	NA	NA
MW-11	04/13/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	22.06	8.02	NA	14.04	NA	NA
MW-11	07/19/1994	50	<0.5	<0.5	<0.5	<0.5	NA	NA	22.06	9.82	NA	12.24	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3420 San Pablo Avenue
Oakland, CA
Wic #204-5508-5306

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-11	10/27/1994	60*	<0.5	<0.5	<0.5	<0.5	NA	NA	22.06	11.66	NA	10.40	NA	NA
MW-11	01/03/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	22.06	6.15	NA	15.91	NA	NA
MW-11	04/13/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	22.06	6.00	NA	16.06	NA	NA
MW-11	06/30/1995	70	<0.5	<0.5	<0.5	<0.5	NA	NA	22.06	8.31	NA	13.75	NA	NA
MW-11	10/11/1995	60	53	<0.5	<0.5	0.80	3.0	NA	22.06	10.30	NA	11.76	NA	NA
MW-11	01/17/1996	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	22.06	6.45	NA	15.61	NA	NA
MW-11	04/10/1996	<50	<0.5	<0.5	<0.5	<0.5	3.9	NA	22.06	6.05	NA	16.01	NA	NA
MW-11	07/30/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	22.06	8.92	NA	13.14	NA	NA
MW-11	10/17/1996	3,000	28	23	29	210	76	NA	22.06	9.24	NA	12.82	NA	NA
MW-11	01/22/1997	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	22.06	5.12	NA	16.94	NA	3.7
MW-11	04/01/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	22.06	7.41	NA	14.65	NA	2.8
MW-11	07/14/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	22.06	9.74	NA	12.32	NA	1.9
MW-11	10/08/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	22.06	10.23	NA	11.83	NA	2.4
MW-11	01/19/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	22.06	3.69	NA	18.37	NA	3.2
MW-11	04/28/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	22.06	5.83	NA	16.23	NA	3.0
MW-11	09/30/1998	Inaccessible		NA	NA	NA	NA	NA	22.06	NA	NA	NA	NA	NA
MW-11	12/09/1998	Inaccessible		NA	NA	NA	NA	NA	22.06	NA	NA	NA	NA	NA
MW-11	01/18/1999	Inaccessible		NA	NA	NA	NA	NA	22.06	NA	NA	NA	NA	NA
MW-11	04/12/1999	Inaccessible		NA	NA	NA	NA	NA	22.06	NA	NA	NA	NA	NA
MW-11	04/26/1999	63	<0.50	<0.50	<0.50	<0.50	<2.5	NA	22.06	5.80	NA	16.26	NA	3.6
MW-11	07/27/1999	<50.0	<0.500	<0.500	<0.500	<0.500	6.02	NA	22.06	8.30	NA	13.76	NA	2.0

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015

BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8020

MTBE = methyl-tertiary-butyl ether

TOC = Top of Casing Elevation

SPH = Separate-Phase Hydrocarbons

WELL CONCENTRATIONS
Shell-branded Service Station
3420 San Pablo Avenue
Oakland, CA
Wic #204-5508-5306

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
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GW = Groundwater

DO = Dissolved Oxygen

ug/L = parts per billion

msl = Mean sea level

ft = Feet

<n = Below detection limit

(D) = Duplicate sample

NA = Not applicable

ND = Not detected at or above the minimum quantitation limits.

Notes:

a = Chromatogram pattern indicates an unidentified hydrocarbon.

b = MTBE could not be quantified due to co-eluting compounds.

* = This sample was analyzed outside the EPA recommended holding time.

Resurvey of wells was performed on August 28, 1998 by Virgil Chavez Land Surveying.



October 1, 1999

Ann Pember
Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose, CA 95112

RE: Shell 3420 San Pablo Ave., Oakland/9070112

Dear Ann Pember

Enclosed are the results of analyses for sample(s) received by the laboratory on July 28, 1999. If you have any questions concerning this report, please feel free to contact me.

Report revised due to the addition of MTBE by EPA 8260 for Sample 01 and 04.

Sincerely,

Kayvan Kimyai
Project Manager D.M.

CA ELAP Certificate Number 1210





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Shell Project Number: 3420 San Pablo Ave., Oakland Project Manager: Ann Pember	Sampled: 7/27/99 Received: 7/28/99 Reported: 10/1/99
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ANALYTICAL REPORT FOR 9070112

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	9070112-01	Water	7/27/99
MW-2	9070112-02	Water	7/27/99
MW-3R	9070112-03	Water	7/27/99
MW-4	9070112-04	Water	7/27/99
MW-5	9070112-05	Water	7/27/99
MW-6R	9070112-06	Water	7/27/99
MW-7	9070112-07	Water	7/27/99
MW-8	9070112-08	Water	7/27/99
MW-9	9070112-09	Water	7/27/99
MW-11	9070112-10	Water	7/27/99





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Shell Project Number: 3420 San Pablo Ave., Oakland Project Manager: Ann Pember	Sampled: 7/27/99 Received: 7/28/99 Reported: 10/1/99
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**Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
				9070112-01				
MW-1							Water	
Gasoline	9080196	8/9/99	8/9/99		5000	5420	ug/l	
Benzene	"	"	"		50.0	80.1	"	
Toluene	"	"	"		50.0	ND	"	
Ethylbenzene	"	"	"		50.0	123	"	
Xylenes (total)	"	"	"		50.0	143	"	
Methyl tert-butyl ether	"	"	"		200	24700	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		97.3	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		89.3	"	
				9070112-02				
MW-2							Water	
Gasoline	9080196	8/9/99	8/9/99		2500	36400	ug/l	
Benzene	"	"	"		25.0	6750	"	
Toluene	"	"	"		25.0	83.5	"	
Ethylbenzene	"	"	"		25.0	1590	"	
Xylenes (total)	"	"	"		25.0	5070	"	
Methyl tert-butyl ether	"	"	"		100	682	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		99.7	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		89.3	"	
				9070112-03				
MW-3R							Water	
Gasoline	9080196	8/9/99	8/9/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.00	4.15	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		96.0	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		92.3	"	
				9070112-04				
MW-4							Water	
Gasoline	9080196	8/9/99	8/9/99		2500	3570	ug/l	
Benzene	"	"	"		25.0	214	"	
Toluene	"	"	"		25.0	ND	"	
Ethylbenzene	"	"	"		25.0	58.3	"	
Xylenes (total)	"	"	"		25.0	31.0	"	
Methyl tert-butyl ether	"	"	"		100	5440	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		98.3	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		88.7	"	
				9070112-05				
MW-5							Water	
Gasoline	9080196	8/10/99	8/10/99		500	6820	ug/l	





Blaine Tech Services (Shell)	Project: Shell	Sampled: 7/27/99
1680 Rogers Avenue	Project Number: 3420 San Pablo Ave., Oakland	Received: 7/28/99
San Jose, CA 95112	Project Manager: Ann Pember	Reported: 10/1/99

**Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-5 (continued)				9070112-05			Water	
Benzene	9080196	8/10/99	8/10/99		5.00	ND	ug/l	
Toluene	"	"	"		5.00	ND	"	
Ethylbenzene	"	"	"		5.00	99.7	"	
Xylenes (total)	"	"	"		5.00	ND	"	
Methyl tert-butyl ether	"	"	"		20.0	216	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		95.7	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		90.3	"	
MW-6R				9070112-06			Water	
Gasoline	9080196	8/9/99	8/9/99		2500	25600	ug/l	
Benzene	"	"	"		25.0	1190	"	
Toluene	"	"	"		25.0	30.5	"	
Ethylbenzene	"	"	"		25.0	1810	"	
Xylenes (total)	"	"	"		25.0	3030	"	
Methyl tert-butyl ether	"	"	"		100	163	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		102	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		89.0	"	
MW-7				9070112-07			Water	
Gasoline	9080196	8/9/99	8/9/99		2500	36600	ug/l	
Benzene	"	"	"		25.0	863	"	
Toluene	"	"	"		25.0	68.3	"	
Ethylbenzene	"	"	"		25.0	1540	"	
Xylenes (total)	"	"	"		25.0	4370	"	
Methyl tert-butyl ether	"	"	"		100	593	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		99.0	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		90.3	"	
MW-8				9070112-08			Water	
Gasoline	9080196	8/9/99	8/9/99		500	12700	ug/l	
Benzene	"	"	"		5.00	ND	"	
Toluene	"	"	"		5.00	5.47	"	
Ethylbenzene	"	"	"		5.00	281	"	
Xylenes (total)	"	"	"		5.00	1130	"	
Methyl tert-butyl ether	"	"	"		20.0	50.3	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		100	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		91.3	"	
MW-9				9070112-09			Water	
Gasoline	9080196	8/9/99	8/9/99		100	3580	ug/l	
Benzene	"	"	"		1.00	247	"	





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Shell Project Number: 3420 San Pablo Ave., Oakland Project Manager: Ann Pember	Sampled: 7/27/99 Received: 7/28/99 Reported: 10/1/99
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**Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-9 (continued)				9070112-09			Water	
Toluene	9080196	8/9/99	8/9/99		1.00	ND	ug/l	
Ethylbenzene	"	"	"		1.00	67.7	"	
Xylenes (total)	"	"	"		1.00	137	"	
Methyl tert-butyl ether	"	"	"		4.00	432	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		90.3	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		92.0	"	
MW-11				9070112-10			Water	
Gasoline	9080196	8/9/99	8/9/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.00	6.02	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		97.7	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		91.0	"	





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Shell Project Number: 3420 San Pablo Ave., Oakland Project Manager: Ann Pember	Sampled: 7/27/99 Received: 7/28/99 Reported: 10/1/99
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**Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>MW-1</u>				<u>9070112-01</u>			<u>Water</u>	<u>1</u>
Methyl tert-butyl ether	9090659	9/25/99	9/26/99		500	33200	ug/l	
<i>Surrogate: Dibromofluoromethane</i>	"	"	"	86.0-118		102	%	
<u>MW-4</u>				<u>9070112-04</u>			<u>Water</u>	<u>1</u>
Methyl tert-butyl ether	9090659	9/25/99	9/26/99		100	7280	ug/l	
<i>Surrogate: Dibromofluoromethane</i>	"	"	"	86.0-118		104	%	





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Shell Project Number: 3420 San Pablo Ave., Oakland Project Manager: Ann Pember	Sampled: 7/27/99 Received: 7/28/99 Reported: 10/1/99
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Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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Batch: 9080196

Date Prepared: 8/9/99

Extraction Method: EPA 5030 waters

Blank

9080196-BLK1

Gasoline	8/9/99			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	2.00				
Surrogate: a,a,a-Trifluorotoluene	"	300		294	"	65.0-135	98.0			
Surrogate: 4-Bromofluorobenzene	"	300		267	"	65.0-135	89.0			

Blank

9080196-BLK2

Gasoline	8/10/99			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	2.00				
Surrogate: a,a,a-Trifluorotoluene	"	300		312	"	65.0-135	104			
Surrogate: 4-Bromofluorobenzene	"	300		264	"	65.0-135	88.0			

LCS

9080196-BS1

Benzene	8/9/99	100		100	ug/l	65.0-135	100			
Toluene	"	100		100	"	65.0-135	100			
Ethylbenzene	"	100		95.1	"	65.0-135	95.1			
Xylenes (total)	"	300		304	"	65.0-135	101			
Surrogate: a,a,a-Trifluorotoluene	"	300		281	"	65.0-135	93.7			

LCS

9080196-BS2

Gasoline	8/10/99	1000		973	ug/l	65.0-135	97.3			
Surrogate: 4-Bromofluorobenzene	"	300		251	"	65.0-135	83.7			

Matrix Spike

9080196-MS1

P908169-06

Benzene	8/9/99	100	ND	98.9	ug/l	65.0-135	98.9			
Toluene	"	100	ND	99.1	"	65.0-135	99.1			
Ethylbenzene	"	100	ND	94.7	"	65.0-135	94.7			
Xylenes (total)	"	300	ND	301	"	65.0-135	100			
Surrogate: a,a,a-Trifluorotoluene	"	300		300	"	65.0-135	100			

Matrix Spike Dup

9080196-MSD1

P908169-06

Benzene	8/9/99	100	ND	97.9	ug/l	65.0-135	97.9	20.0	1.02	
Toluene	"	100	ND	98.5	"	65.0-135	98.5	20.0	0.607	





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Shell Project Number: 3420 San Pablo Ave., Oakland Project Manager: Ann Pember	Sampled: 7/27/99 Received: 7/28/99 Reported: 10/1/99
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**Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M/Quality Control
Sequoia Analytical - Petaluma**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Matrix Spike Dup (continued)										
	9080196-MSD1		P908169-06							
Ethylbenzene	8/9/99	100	ND	93.6	ug/l	65.0-135	93.6	20.0	1.17	
Xylenes (total)	"	300	ND	296	"	65.0-135	98.7	20.0	1.31	
Surrogate: a,a,a-Trifluorotoluene	"	300		293	"	65.0-135	97.7			





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Shell Project Number: 3420 San Pablo Ave., Oakland Project Manager: Ann Pember	Sampled: 7/27/99 Received: 7/28/99 Reported: 10/1/99
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Volatile Organic Compounds by EPA Method 8260B/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9090659		Date Prepared: 9/25/99			Extraction Method: EPA 5030 waters					
Blank		9090659-BLK1								
Methyl tert-butyl ether	9/25/99			ND	ug/l	0.500				
Surrogate: Dibromofluoromethane	"	5.00		4.96	"	86.0-118	99.2			
LCS		9090659-BS1								
Methyl tert-butyl ether	9/25/99	5.00		5.49	ug/l	72.7-119	110			
Surrogate: Dibromofluoromethane	"	5.00		5.12	"	86.0-118	102			
Matrix Spike		9090659-MS1		P909409-16						
Methyl tert-butyl ether	9/25/99	5.00	1.16	6.65	ug/l	72.7-119	110			
Surrogate: Dibromofluoromethane	"	5.00		5.16	"	86.0-118	103			
Matrix Spike Dup		9090659-MSD1		P909409-16						
Methyl tert-butyl ether	9/25/99	5.00	1.16	6.89	ug/l	72.7-119	115	20.0	4.44	
Surrogate: Dibromofluoromethane	"	5.00		5.13	"	86.0-118	103			





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Shell Project Number: 3420 San Pablo Ave., Oakland Project Manager: Ann Pember	Sampled: 7/27/99 Received: 7/28/99 Reported: 10/1/99
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Notes and Definitions

#	Note
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1 This sample was analyzed outside the EPA recommended holding time.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

Recov. Recovery

RPD Relative Percent Difference



BLAINE

TECH SERVICES, INC

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY
 CLIENT: Equiva - Karen Petryna
 SITE: 3420 San Pablo Avenue
 Oakland, CA

CONDUCT ANALYSIS TO DETECT					
C = COMPOSITE ALL CONTAINERS	TPH - gas, BTEX	MTBE by 8020	MTBE by 8260	TPH - diesel	Oxygenates by 8260
	X	X			

LAB: Sequoia
 DHS #
 ALL ANALYSIS MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
 EPA
 LIA
 OTHER
 RWQCB REGION

SPECIAL INSTRUCTIONS
 Send invoice to Equiva
 Incident # 98995748
 Sent report to Blaine Tech Services, Inc.
 ATTN: Ann Pember

SAMPLE I.D.	DATE	TIME	MATRIX		CONTAINERS TOTAL	C = COMPOSITE ALL CONTAINERS	TPH - gas, BTEX	MTBE by 8020	MTBE by 8260	TPH - diesel	Oxygenates by 8260	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			% SOIL	W=H ₂ O											
MW 1 ✓	7-27-99	13:10			3		X	X				"Confirm highest MTBE hit by 8260. In addition, confirm MTBE in MW-1 by 8260." Revised COC 7/29/99 AP			
MW 2 ✓		14:55													
MW 3 R ✓		11:46													
MW 4 ✓		12:26													
MW 5 ✓		13:50													
MW-6 R		14:16													
MW 7 ✓		14:36													
MW 8 ✓		13:28													
MW-9 ✓		12:48													
MW 11 ✓		12:08													

SAMPLING COMPLETED: 7-27-99 14:25
 SAMPLING PERFORMED BY: *The Cook*
 RESULTS NEEDED NO LATER THAN:

RELEASED BY: *The Cook* DATE: 7-28-99 TIME: 9:46 RECEIVED BY: *[Signature]* DATE: 7/28/99 TIME: 9:46

RELEASED BY: DATE: TIME: RECEIVED BY: DATE: TIME:

RELEASED BY: DATE: TIME: RECEIVED BY: DATE: TIME:

SHIPPED VIA: DATE SENT: TIME SENT: COOLER #:

EQUIVA WELL MONITORING DATA SHEET

Project #: <u>990727-X2</u>	Job #: <u>204-5508-5306</u>
Sampler: <u>ML</u>	Date: <u>7-27-99</u>
Well I.D.: <u>MW-1</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth: <u>25.00</u>	Depth to Water: <u>6.18</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius ² * 0.163

Purge Method: Bailer Middleburg Electric Submersible Extraction Pump

Other: _____

Sampling Method: Bailer Extraction Port

Other: _____

<u>12.2</u>	x	<u>3</u>	=	<u>36.6</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
<u>13:00</u>	<u>68.2</u>	<u>6.8</u>	<u>1210</u>	<u>>200</u>	<u>13</u>	
<u>13:02</u>	<u>70.0</u>	<u>6.8</u>	<u>1099</u>	<u>>200</u>	<u>26</u>	
<u>13:04</u>	<u>71.6</u>	<u>6.8</u>	<u>1093</u>	<u>>200</u>	<u>37</u>	

Did well dewater? Yes No Gallons actually evacuated: 37

Sampling Time: 13:10 Sampling Date: 7-27-99

Sample I.D.: MW-1 Laboratory: Sequoia BC Other _____

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

D.O. (if req'd): Pre-purge: _____ mg/L Post-purge: 1.3 mg/L

O.R.P. (if req'd): Pre-purge: _____ mV Post-purge: _____ mV

EQUIVA WELL MONITORING DATA SHEET

Project #: <u>990727-X2</u>	Job #: <u>204-5508-5306</u>
Sampler: <u>n.c.</u>	Date: <u>7-27-99</u>
Well I.D.: <u>MW-2</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <u>19.20</u>	Depth to Water: <u>6.56</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius ² * 0.163

Purge Method: Bailer Middleburg Electric Submersible X Extraction Pump

Sampling Method: Bailer X Extraction Port

Other: _____

Other: _____

<u>8.2</u>	X	<u>3</u>	=	<u>24.6</u> Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
<u>14:45</u>	<u>68.2</u>	<u>6.9</u>	<u>943.7</u>	<u>118</u>	<u>8.0</u>	
<u>14:46</u>	<u>69.2</u>	<u>6.8</u>	<u>880.0</u>	<u>89</u>	<u>16</u>	
<u>14:47</u>	<u>69.3</u>	<u>6.8</u>	<u>902.6</u>	<u>82</u>	<u>25</u>	

Did well dewater? Yes No Gallons actually evacuated: 25

Sampling Time: 14:53 Sampling Date: 7-27-99

Sample I.D.: MW-2 Laboratory: Sequoia BC Other _____

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	<u>20</u> mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

Project #: <u>990727-X2</u>	Job # <u>204-5508-5306</u>
Sampler: <u>in.c</u>	Date: <u>7-27-99</u>
Well I.D.: <u>mw-3R</u>	Well Diameter: <u>2</u> 3 4 6 8 _____
Total Well Depth: <u>9.59</u>	Depth to Water: <u>2832</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius ² * 0.163

Purge Method: Bailer Middleburg Electric Submersible Extraction Pump

Other: _____

Sampling Method: Bailer Extraction Port

Other: _____

<u>2.9</u>	X	<u>3</u>	=	<u>8.7</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
<u>11:30</u>	<u>68.7</u>	<u>6.8</u>	<u>790.3</u>	<u>7200</u>	<u>3.0</u>	
<u>11:35</u>	<u>69.6</u>	<u>6.7</u>	<u>794.9</u>	<u>7200</u>	<u>6.0</u>	
<u>11:40</u>	<u>70.1</u>	<u>6.7</u>	<u>796.2</u>	<u>7200</u>	<u>9.0</u>	

Did well dewater? Yes No Gallons actually evacuated: 9.0

Sampling Time: 11:46 Sampling Date: 7-27-99

Sample I.D.: mw-3R Laboratory: Sequoia BC Other _____

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

D.O. (if req'd): Pre-purge: _____ mg/L Post-purge: 2.0 mg/L

O.R.P. (if req'd): Pre-purge: _____ mV Post-purge: _____ mV

EQUIVA WELL MONITORING DATA SHEET

Project #: <u>990727-X2</u>	Job #: <u>204-5508-5306</u>
Sampler: <u>h.c.</u>	Date: <u>7-27-99</u>
Well I.D.: <u>MW-4</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth: <u>18.18</u>	Depth to Water: <u>9.33</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius ² * 0.163

Purge Method: Bailer Sampling Method: Bailer
Middleburg Extraction Port
Electric Submersible Other: _____
Extraction Pump
Other: _____

<u>5.7</u>	x	<u>3</u>	=	<u>17.1</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
<u>12:18</u>	<u>66.1</u>	<u>6.9</u>	<u>696.2</u>	<u>7200</u>	<u>6</u>	
<u>12:19</u>	<u>67.5</u>	<u>6.8</u>	<u>1146</u>	<u>7200</u>	<u>12</u>	
<u>12:20</u>	<u>67.9</u>	<u>6.8</u>	<u>1147</u>	<u>7200</u>	<u>18</u>	

Did well dewater? Yes No Gallons actually evacuated: 18.0

Sampling Time: 12:26 Sampling Date: 7-27-99

Sample I.D.: MW-4 Laboratory: Sequoia BC Other _____

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	<u>1.9</u> mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

Project #: <u>990727-X2</u>	Job # <u>204-5508-5306</u>
Sampler: <u>in. l</u>	Date: <u>7-27-99</u>
Well I.D.: <u>MW-5</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth: <u>24.90</u>	Depth to Water: <u>6.25</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius ² * 0.163

Purge Method: Bailer Middleburg Electric Submersible Extraction Pump Other: _____

Sampling Method: Bailer Extraction Port Other: _____

<u>12.1</u>	X	<u>3</u>	=	<u>36.3</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
13:40	66.4	7.2	1228	7200	12	
13:42	67.5	7.0	1233	7200	24	
13:44	68.4	7.0	1195	7200	37	

Did well dewater? Yes No Gallons actually evacuated: 37

Sampling Time: 13:50 Sampling Date: 7-27-99

Sample I.D.: MW-5 Laboratory: Sequoia BC Other: _____

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	2.1	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

EQUIVA WELL MONITORING DATA SHEET

Project #: <u>990727-X2</u>	Job #: <u>204-5508-5306</u>
Sampler: <u>1/2" L</u>	Date: <u>7-27-99</u>
Well I.D.: <u>MW-6R</u>	Well Diameter: <u>(2)</u> 3 <u>(3)</u> 6 8 <u> </u>
Total Well Depth: <u>26.20</u>	Depth to Water: <u>8.60</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius ² * 0.163

Purge Method: Bailer Middleburg
Electric Submersible Extraction Pump
 Other:

Sampling Method: Bailer Extraction Port
 Other:

<u>2.8</u>	x	<u>3</u>	=	<u>8.4</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
14:00	67.7	7.1	1027	72.00	3.0	
14:05	67.9	7.1	1022	72.00	6.0	
14:10	67.8	7.0	1018	72.00	8.5	

Did well dewater? Yes (No) Gallons actually evacuated: 8.5

Sampling Time: 14:16 Sampling Date: 7-27-99

Sample I.D.: MW-6R Laboratory: Sequoia BC Other

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	<u>2.5</u> mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

Project #: <u>990727-X2</u>	Job # <u>204-5508-5306</u>
Sampler: <u>h.c.</u>	Date: <u>7-27-99</u>
Well I.D.: <u>MW-7</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth: <u>19.40</u>	Depth to Water: <u>5.26</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius ² * 0.163

Purge Method: Bailer Middleburg Electric Submersible Extraction Pump Other: _____

Sampling Method: Bailer Extraction Port Other: _____

<u>91</u>	x	<u>3</u>	=	<u>273</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
<u>14:28</u>	<u>67.3</u>	<u>6.8</u>	<u>1238</u>	<u>>200</u>	<u>9</u>	
<u>14:29</u>	<u>68.5</u>	<u>7.0</u>	<u>819</u>	<u>>200</u>	<u>18</u>	
<u>14:30</u>	<u>68.9</u>	<u>6.9</u>	<u>818</u>	<u>>200</u>	<u>28</u>	

Did well dewater? Yes No Gallons actually evacuated: 28

Sampling Time: 14:36 Sampling Date: 7-27-99

Sample I.D.: MW-7 Laboratory: Sequoia BC Other: _____

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

D.O. (if req'd): Pre-purge: _____ mg/L Post-purge: 1.2 mg/L

O.R.P. (if req'd): Pre-purge: _____ mV Post-purge: _____ mV

EQUIVA WELL MONITORING DATA SHEET

Project #: <u>990727-X2</u>	Job #: <u>204-5508-5306</u>
Sampler: <u>h.c.</u>	Date: <u>7-27-99</u>
Well I.D.: <u>MW-8</u>	Well Diameter: 2 3 <u>(4)</u> 6 8 <u> </u>
Total Well Depth: <u>17.90</u>	Depth to Water: <u>5.00</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius ² * 0.163

Purge Method: Bailer Sampling Method: Bailer X
Middleburg Extraction Port
Electric Submersible X Other: _____
Extraction Pump
 Other: _____

<u>8.3</u>	X	<u>3</u>	=	<u>24.9</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
<u>13:20</u>	<u>67.2</u>	<u>6.8</u>	<u>1156</u>	<u>7200</u>	<u>8</u>	
<u>13:21</u>	<u>68.2</u>	<u>6.7</u>	<u>1185</u>	<u>7200</u>	<u>16</u>	
<u>13:22</u>	<u>67.3</u>	<u>6.8</u>	<u>1144</u>	<u>7200</u>	<u>25</u>	

Did well dewater? Yes No Gallons actually evacuated: 25

Sampling Time: 13:28 Sampling Date: 7-27-99

Sample I.D.: MW-8 Laboratory: Sequon BC Other _____

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	<u>1.4</u> mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

Project #: <u>990727-X2</u>	Job #: <u>204-5508-5306</u>
Sampler: <u>n.l.</u>	Date: <u>7-27-99</u>
Well I.D.: <u>mw-9</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <u>19.50</u>	Depth to Water: <u>17.30</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius ² * 0.163

Purge Method: Bailer Sampling Method: Bailer X
Middleburg Extraction Port
Electric Submersible X Other: _____
Extraction Pump
Other: _____

<u>7.9</u>	x	<u>3</u>	=	<u>23.7</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
<u>12:40</u>	<u>68.8</u>	<u>6.8</u>	<u>1269</u>	<u>>200</u>	<u>8</u>	
<u>12:41</u>	<u>70.0</u> 67.0	<u>6.7</u>	<u>1180</u>	<u>>200</u>	<u>16</u>	
<u>12:42</u>	<u>70.1</u>	<u>6.7</u>	<u>1205</u>	<u>>200</u>	<u>24</u>	

Did well dewater? Yes No Gallons actually evacuated: 24

Sampling Time: 12:48 Sampling Date: 7-27-99

Sample I.D.: mw-9 Laboratory: Sequoia BC Other _____

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	<u>1.6</u>	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

EQUIVA WELL MONITORING DATA SHEET

Project #: <u>990727-X2</u>	Job #: <u>204-5508-5306</u>
Sampler: <u>W.C.</u>	Date: <u>7-27-99</u>
Well I.D.: <u>MW-10</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth: _____	Depth to Water: _____
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Referenced to: <u>(pvc)</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius ² * 0.163

Purge Method: Bailer Middleburg Electric Submersible Extraction Pump

Other: _____

Sampling Method: Bailer Extraction Port

Other: _____

_____	X	<u>3</u>	=	_____	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Time: _____ Sampling Date: 7-27-99

Sample I.D.: MW- Laboratory: Sequon BC Other _____

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

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

EQUIVA WELL MONITORING DATA SHEET

Project #: <u>990727-X2</u>	Job #: <u>204-5508-5306</u>
Sampler: <u>1/2" C</u>	Date: <u>7-27-99</u>
Well I.D.: <u>MW-11</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <u>18.60</u>	Depth to Water: <u>8.30</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius ² * 0.163

Purge Method: Bailer Middleburg Electric Submersible Extraction Pump

Other: _____

Sampling Method: Bailer Extraction Port

Other: _____

<u>6.6</u>	x	<u>3</u>	=	<u>19.8</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
12:00	66.9	7.1	791.7	>200	17	
12:01	69.6	6.8	781.6	>200	14	
12:02	68.9	6.8	742.8	>200	20	

Did well dewater? Yes No

Gallons actually evacuated: 20

Sampling Time: 12:08 Sampling Date: 7-27-99

Sample I.D.: MW-11 Laboratory: Sequoia BC Other _____

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	2.0	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV