BC ROO

Shell Oil Products US

October 28, 2003

Alameda County
OCT 31 2003
Environmental Health

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

Subject: **Shell-branded Service Station**
3420 San Pablo Avenue
Oakland, California

Dear Ms. Drogos:

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

October 28, 2003

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

Re: **Third Quarter 2003 Monitoring Report**
Shell-branded Service Station
3420 San Pablo Avenue
Oakland, California
Incident #98995748
Cambria Project #245-0554-002

Dear Ms. Drogos:

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

THIRD QUARTER 2003 ACTIVITIES

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

ANTICIPATED FOURTH QUARTER 2003 ACTIVITIES

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

Cambria Environmental Technology, Inc.

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

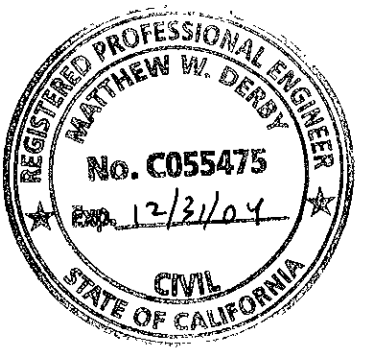
CLOSING

We appreciate the opportunity to work with you on this project. Please call Matt Derby at (510) 420-3332 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc

Anni Kreml
Senior Staff Scientist

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



Figures: 1 - Vicinity/Area Well Survey Map
2 - Groundwater Elevation Contour Map

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

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

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10/03/01

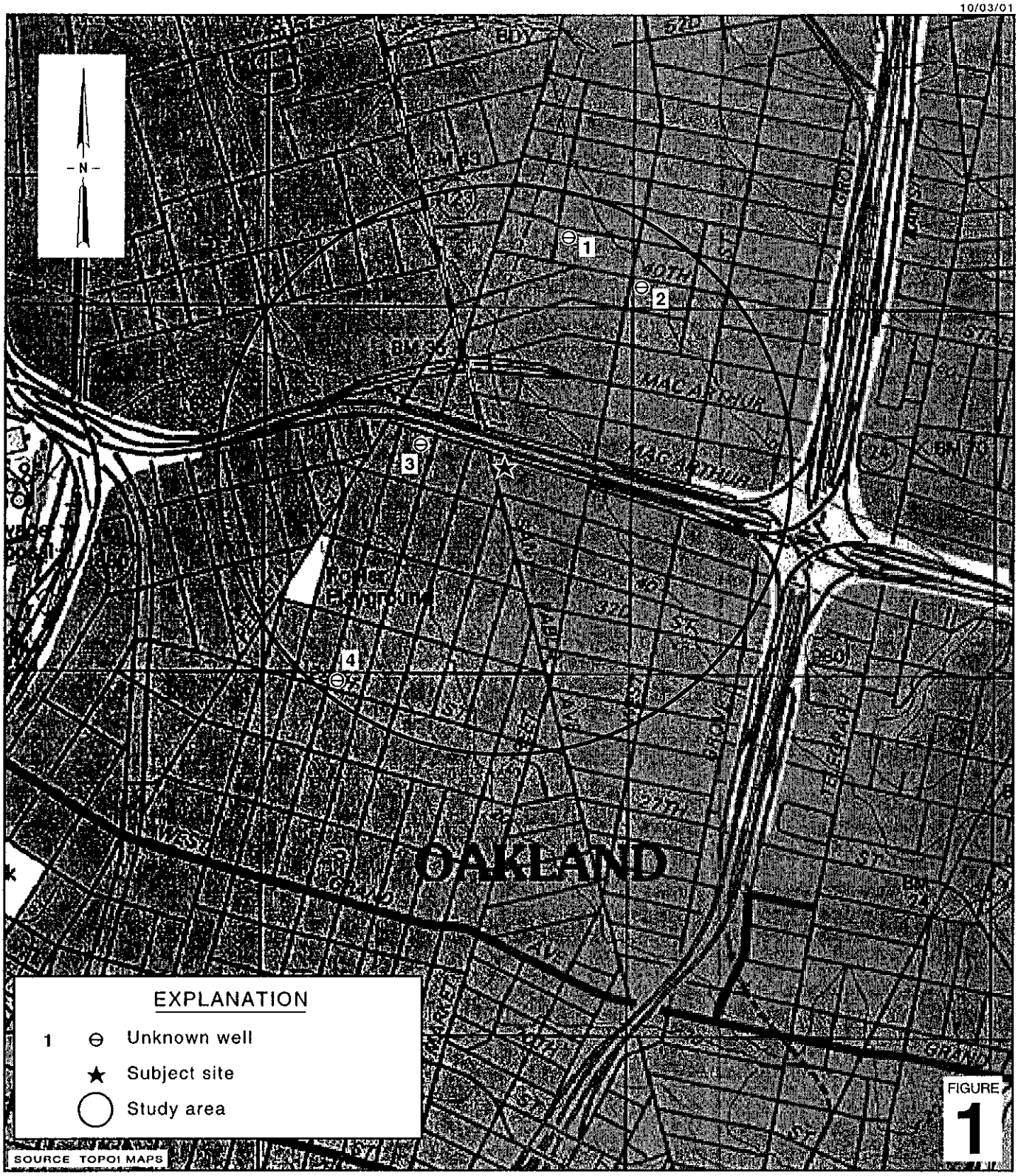

FIGURE 1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

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Shell-branded Service Station
3420 San Pablo Avenue
Oakland, California
Incident #98995748

CAMBRIA

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

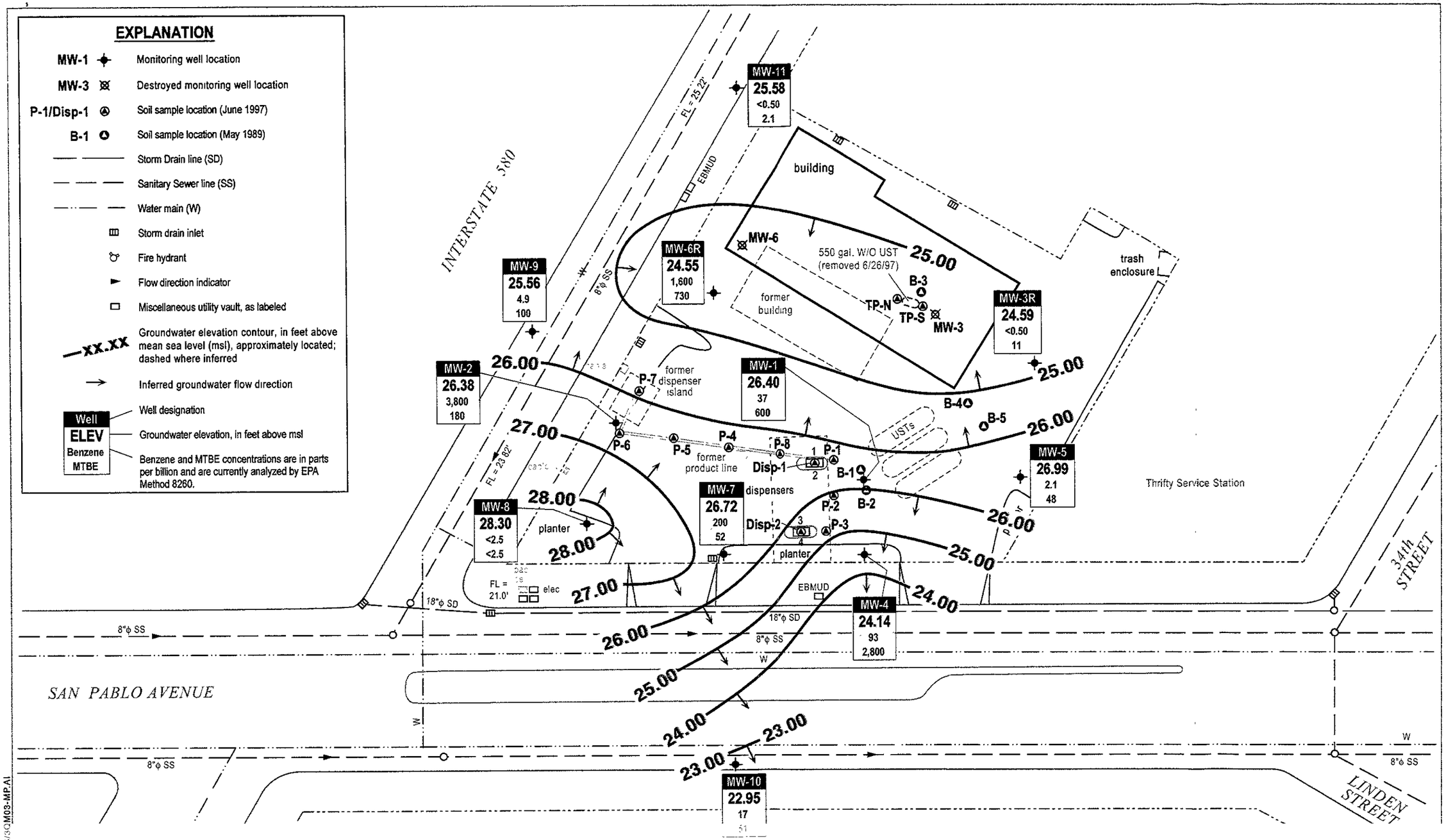
10/27/03

EXPLANATION

- MW-1 — Monitoring well location
- MW-3 — Destroyed monitoring well location
- P-1/Disp-1 — Soil sample location (June 1997)
- B-1 — Soil sample location (May 1989)
- Storm Drain line (SD)
- Sanitary Sewer line (SS)
- Water main (W)
- Storm drain inlet
- Fire hydrant
- Flow direction indicator
- Miscellaneous utility vault, as labeled
- —XX.XX— Groundwater elevation contour, in feet above mean sea level (msl), approximately located; dashed where inferred
- → Inferred groundwater flow direction

Well
ELEV
Benzene
MTBE

- Well designation
- Groundwater elevation, in feet above msl
- Benzene and MTBE concentrations are in parts per billion and are currently analyzed by EPA Method 8260.



0 20 40
Scale (ft)

G:\OAKLAND\3420SANPABLO\FIGURE S\3C**M03-MP.AI**

FIGURE
2

Groundwater Elevation Contour Map
July 10, 2003

CAMBRIA

Shell-branded Service Station
3420 San Pablo Avenue
Oakland, California
Incident #98995748

ATTACHMENT A

Blaine Groundwater Monitoring Report and Field Notes

WELL CONCENTRATIONS
Shell-branded Service Station
3420 San Pablo Avenue
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft)	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

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-1	10/14/1999	3,750	75.8	<12.5	30.3	37.0	17,200	20,600	21.05	6.83	NA	14.22	NA	1.3
MW-1	01/06/2000	5,550	82.2	<5.00	128	45.4	9,410	8,200	21.05	6.36	NA	14.69	NA	1.3
MW-1	04/05/2000	2,860	50.6	<10.0	98.2	36.2	4,120	3,150*	21.05	3.65	NA	17.40	NA	2.0
MW-1	07/20/2000	3,600	37.9	36.0	34.2	40.4	3,140	3,430*	21.05	4.11	NA	16.94	NA	1.2
MW-1	10/24/2000	2,330	32.3	<10.0	10.5	27.1	4,900	4,500	21.05	5.18	NA	15.87	NA	1.4
MW-1	01/19/2001	2,000	25.9	24.9	12.5	29.7	2,610	3,070	32.01	3.90	NA	28.11	NA	1.8
MW-1	04/27/2001	2,200	14	<2.0	5.3	6.8	NA	1,100	32.01	4.48	NA	27.53	NA	1.5
MW-1	07/26/2001	2,600	26	2.3	<2.0	5.4	NA	890	32.01	6.28	NA	25.73	NA	1.2
MW-1	10/02/2001	1,900	54	<2.0	7.8	14	NA	890	32.01	6.53	NA	25.48	NA	1.6
MW-1	01/15/2002	2,300	19	2.8	9.3	12	NA	370	32.01	5.00	NA	27.01	NA	1.9
MW-1	04/17/2002	4,500	20	2.0	1.3	4.6	NA	500	32.01	5.63	NA	26.38	NA	2.4
MW-1	07/11/2002	2,700	25	1.1	<1.0	2.1	NA	500	32.01	6.10	NA	25.91	NA	1.5
MW-1	10/10/2002	2,200	20	1.0	1.8	3.5	NA	580	32.01	6.68	NA	25.33	NA	2.5
MW-1	01/21/2003	3,100	27	12	30	14	NA	810	32.01	4.35	NA	27.66	NA	1.7
MW-1	05/02/2003	4,100	36	<25	<25	<50	NA	1,000	32.01	5.19	NA	26.82	NA	2.1
MW-1	**07/10/2003**	**1,900**	**37**	**<12**	**<12**	**<25**	**NA**	**600**	**32.01**	**5.61**	**NA**	**26.40**	**NA**	**NA**
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

WELL CONCENTRATIONS
Shell-branded Service Station
3420 San Pablo Avenue
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft)	Depth to SPH (ft)	GW Elevation (MSL)	SPH Thickness (ft)	DO Reading (ppm)
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
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	<1,000	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

WELL CONCENTRATIONS
Shell-branded Service Station
3420 San Pablo Avenue
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft)	Depth to SPH (ft)	GW Elevation (MSL)	SPH Thickness (ft)	DO Reading (ppm)
MW-2	10/14/1999	45,300	6,990	144	1,850	4,930	1,070	NA	21.58	8.90	NA	12.68	NA	1.5
MW-2	01/06/2000	44,100	5,820	107	1,720	4,590	841	NA	21.58	7.27	NA	14.31	NA	1.4
MW-2	04/05/2000	32,000	6,680	<100	1,770	4,030	934	NA	21.58	5.32	NA	16.26	NA	1.3
MW-2	07/20/2000	32,100	5,290	68.6	1,870	3,810	254	NA	21.58	5.47	NA	16.11	NA	2.9
MW-2	10/24/2000	24,400	4,680	<50.0	1,460	2,380	682	NA	21.58	5.88	NA	15.70	NA	2.2
MW-2	01/19/2001	29,200	4,980	127	2,820	4,320	<500	NA	32.54	5.96	NA	26.58	NA	1.4
MW-2	04/27/2001	40,000	5,400	67	2,800	5,100	NA	380	32.54	5.87	NA	26.67	NA	1.1
MW-2	07/26/2001	42,000	4,700	59	2,800	4,300	NA	<250	32.54	6.48	NA	26.06	NA	1.0
MW-2	10/02/2001	36,000	4,200	64	2,400	2,700	NA	<200	32.54	6.65	NA	25.89	NA	1.6
MW-2	01/15/2002	39,000	4,100	46	2,200	2,300	NA	280	32.54	5.81	NA	26.73	NA	1.8
MW-2	04/17/2002	30,000	3,800	44	2,100	2,100	NA	270	32.54	6.03	NA	26.51	NA	1.6
MW-2	07/11/2002	34,000	3,600	18	2,700	2,200	NA	110	32.54	6.49	NA	26.05	NA	2.7
MW-2	10/10/2002	26,000	2,600	19	1,900	810	NA	<100	32.54	6.82	NA	25.72	NA	2.4
MW-2	01/21/2003	30,000	3,000	24	2,000	1,400	NA	140	32.54	6.00	NA	26.54	NA	1.6
MW-2	05/02/2003	23,000	2,800	28	1,400	880	NA	<250	32.54	5.85	NA	26.69	NA	1.7
MW-2	**07/10/2003**	**20,000**	**3,800**	**<50**	**2,500**	**1,500**	**NA**	**180**	**32.54**	**6.16**	**NA**	**26.38**	**NA**	**NA**
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

WELL CONCENTRATIONS
Shell-branded Service Station
3420 San Pablo Avenue
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
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
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	4.15	NA	21.83	9.59	NA	12.24	NA	2.0
MW-3R	10/14/1999	<50.0	<0.500	<0.500	<0.500	<0.500	9.43	NA	21.83	10.00	NA	11.83	NA	0.6
MW-3R	01/06/2000	78	<0.500	<0.500	<0.500	<0.500	31	NA	21.83	9.71	NA	12.12	NA	0.8
MW-3R	04/05/2000	<50.0	<0.500	<0.500	<0.500	<0.500	273	2,890*	21.83	6.90	NA	14.93	NA	1.5
MW-3R	07/20/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	21.83	6.94	NA	14.89	NA	1.1
MW-3R	10/24/2000	NA	NA	NA	NA	NA	NA	NA	21.83	8.90	NA	12.93	NA	NA
MW-3R	01/19/2001	<50.0	<0.500	<0.500	<0.500	<0.500	79.2	NA	32.79	7.04	NA	25.75	NA	2.0
MW-3R	04/27/2001	NA	NA	NA	NA	NA	NA	NA	32.79	7.38	NA	25.41	NA	NA
MW-3R	07/26/2001	97	<0.50	<0.50	<0.50	<0.50	NA	200	32.79	9.30	NA	23.49	NA	1.8

WELL CONCENTRATIONS
Shell-branded Service Station
3420 San Pablo Avenue
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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-3R	10/02/2001	NA	NA	NA	NA	NA	NA	NA	32.79	9.41	NA	23.38	NA	NA
MW-3R	01/15/2002	55	<0.50	<0.50	<0.50	<0.50	NA	32	32.79	6.05	NA	26.74	NA	0.7
MW-3R	04/17/2002	NA	NA	NA	NA	NA	NA	NA	32.79	7.70	NA	25.09	NA	NA
MW-3R	07/11/2002	110	<0.50	<0.50	<0.50	<0.50	NA	65	32.79	8.76	NA	24.03	NA	2.5
MW-3R	10/10/2002	NA	NA	NA	NA	NA	NA	NA	32.79	9.65	NA	23.14	NA	NA
MW-3R	01/21/2003	65	<0.50	<0.50	<0.50	<0.50	NA	13	32.79	5.21	NA	27.58	NA	1.6
MW-3R	05/02/2003	NA	NA	NA	NA	NA	NA	NA	32.79	6.08	NA	26.71	NA	NA
MW-3R	**07/10/2003**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**11**	**32.79**	**8.20**	**NA**	**24.59**	**NA**	**NA**
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
MW-4	04/13/1994	NA	NA	NA	NA	NA	NA	NA	20.31	8.58	NA	11.74	0.01	NA
MW-4	07/19/1994	12,000	230	43	230	660	NA	NA	20.31	9.71	NA	10.60	NA	NA
MW-4	10/27/1994	NA	NA	NA	NA	NA	NA	NA	20.31	10.60	NA	9.73	0.03	NA
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

WELL CONCENTRATIONS
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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-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-4	10/14/1999	3,920	157	<25.0	103	<25.0	6,550	8,990	20.92	9.93	NA	10.99	NA	1.7
MW-4	01/06/2000	5,030	247	7.2	169	37.7	6,860	7,400	20.92	9.31	NA	11.61	NA	1.7
MW-4	04/05/2000	1,870	120	<5.00	15.1	<5.00	4,400	2,890*	20.92	6.00	NA	14.92	NA	1.8
MW-4	07/20/2000	6,740	114	36.4	71.9	28.2	1,900	NA	20.92	6.10	NA	14.82	NA	2.1
MW-4	10/24/2000	2,120	108	8.28	12.5	<5.00	6,070	5,950	20.92	8.90	NA	12.02	NA	1.1
MW-4	01/19/2001	3,330	67.2	<5.00	7.18	<5.00	3,620	4,330	31.88	7.25	NA	24.63	NA	1.8
MW-4	04/27/2001	1,600	79	<10	<10	<10	NA	3,900	31.88	7.41	NA	24.47	NA	1.4
MW-4	07/26/2001	2,700	140	<20	24	<20	NA	4,700	31.88	8.20	NA	23.68	NA	1.8
MW-4	10/02/2001	4,600	170	<10	50	<10	NA	6,300	31.88	8.55	NA	23.33	NA	2.1
MW-4	01/15/2002	1,000	34	<5.0	<5.0	9.8	NA	2,800	31.88	6.53	NA	25.35	NA	2.7
MW-4	04/17/2002	1,400	92	<10	<10	11	NA	4,100	31.88	7.00	NA	24.88	NA	2.4
MW-4	07/11/2002	1,800	82	<10	<10	11	NA	4,500	31.88	8.49	NA	23.39	NA	2.1
MW-4	10/10/2002	7,400	230	<10	45	<10	NA	6,600	31.88	9.05	NA	22.83	NA	2.5
MW-4	01/21/2003	1,400	27	<2.5	<2.5	<2.5	NA	1,200	31.88	6.50	NA	25.38	NA	0.4

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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-4	05/02/2003	<2,500	80	<25	<25	<50	NA	2,500	31.88	6.97	NA	24.91	NA	1.3
MW-4	**07/10/2003**	**<2,500**	**93**	**<25**	**<25**	**<50**	**NA**	**2,800**	**31.88**	**7.74**	**NA**	**24.14**	**NA**	**NA**
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
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	1,110	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

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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-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	<1,000	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	99.7	<5.00	216	NA	21.71	6.25	NA	15.46	NA	2.1
MW-5	10/14/1999	10,800	47.8	<12.5	313	23.1	232	NA	21.71	6.93	NA	14.78	NA	2.8
MW-5	01/06/2000	9,920	39.8	15.4	220	69.6	478	NA	21.71	7.52	NA	14.19	NA	2.9
MW-5	04/05/2000	8,370	68.3	20.1	40.2	<10.0	1,570	NA	21.71	5.31	NA	16.40	NA	0.4
MW-5	07/20/2000	15,500	60.5	181	104	108	460	NA	21.71	5.40	NA	16.31	NA	1.7
MW-5	10/24/2000	5,170	24.3	12.6	16.5	9.79	130	NA	21.71	5.59	NA	16.12	NA	1.3
MW-5	01/19/2001	4,000	<5.00	17.4	88.1	22.6	371	NA	32.67	5.05	NA	27.62	NA	1.0
MW-5	04/27/2001	3,100	<1.0	<1.0	2.6	1.3	NA	210	32.67	5.38	NA	27.29	NA	1.3
MW-5	07/26/2001	11,000	1.4	<1.0	13	2.2	NA	46	32.67	7.17	NA	25.50	NA	1.6
MW-5	10/02/2001	5,300	6.2	3.4	60	11	NA	<100	32.67	7.86	NA	24.81	NA	2.2
MW-5	01/15/2002	3,800	1.0	<0.50	1.7	0.60	NA	120	32.67	4.35	NA	28.32	NA	1.7
MW-5	04/17/2002	4,600	0.61	<0.50	1.5	<0.50	NA	140	32.67	6.04	NA	26.63	NA	0.5
MW-5	07/11/2002	7,200	1.8	0.58	5.9	0.78	NA	130	32.67	6.72	NA	25.95	NA	4.2
MW-5	10/10/2002	4,300	3.2	<1.0	3.5	<1.0	NA	86	32.67	6.99	NA	25.68	NA	2.5
MW-5	01/21/2003	4,300	2.4	<0.50	7.8	0.67	NA	170	32.67	5.09	NA	27.58	NA	0.5
MW-5	05/02/2003	3,600 d	<10	<10	<10	<20	NA	170	32.67	5.14	NA	27.53	NA	0.05
MW-5	**07/10/2003**	**2,700**	**2.1**	**<1.0**	**4.8**	**<2.0**	**NA**	**48**	**32.67**	**5.68**	**NA**	**26.99**	**NA**	**NA**
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

WELL CONCENTRATIONS
Shell-branded Service Station
3420 San Pablo Avenue
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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	05/05/1992	230,000	<500	<500	3,200	11,000	NA	NA	22.32	8.01	NA	14.31	NA	NA
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	2,160	4,450	765	NA	22.19	6.10	NA	16.09	NA	2.4
MW-6R	07/27/1999	25,600	1,190	30.5	1,810	3,030	163	NA	22.19	8.60	NA	13.59	NA	2.5

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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-6R	10/14/1999	21,400	999	<50.0	1,400	1,680	<500	NA	22.19	9.35	NA	12.84	NA	2.0
MW-6R	01/06/2000	17,800	1,440	<50.0	1,310	2,340	301	NA	22.19	9.18	NA	13.01	NA	2.1
MW-6R	04/05/2000	24,400	1,470	63.1	1,750	3,590	496	NA	22.19	6.26	NA	15.93	NA	0.4
MW-6R	07/20/2000	17,200	1,070	42.9	1,260	2,490	725	NA	22.19	6.79	NA	15.40	NA	2.6
MW-6R	10/24/2000	17,200	1,890	107	869	1,620	1,320	NA	22.19	7.40	NA	14.79	NA	1.1
MW-6R	01/19/2001	15,000	1,120	40.2	1,240	2,230	1,670	NA	33.15	6.16	NA	26.99	NA	1.4
MW-6R	04/27/2001	25,000	1,300	24	1,300	2,400	NA	400	33.15	6.93	NA	26.22	NA	1.0
MW-6R	07/26/2001	31,000	1,500	31	1,800	3,000	NA	370	33.15	9.12	NA	24.03	NA	1.4
MW-6R	10/02/2001	28,000	1,100	28	1,800	2,800	NA	160	33.15	8.88	NA	24.27	NA	2.1
MW-6R	01/15/2002	17,000	1,400	19	900	1,500	NA	650	33.15	5.46	NA	27.69	NA	2.1
MW-6R	04/17/2002	33,000	1,600	33	1,700	3,100	NA	220	33.15	7.68	NA	25.47	NA	2.2
MW-6R	07/11/2002	25,000	1,200	21	1,300	1,900	NA	240	33.15	8.75	NA	24.40	NA	1.6
MW-6R	10/10/2002	83,000 c	1,400	34	2,000	4,400	NA	290	33.15	9.27	NA	23.88	NA	1.0
MW-6R	01/21/2003	20,000	1,200	18	1,100	1,700	NA	340	33.15	6.95	NA	26.20	NA	1.2
MW-6R	05/02/2003	28,000	1,600	32	1,600	2,400	NA	300	33.15	7.50	NA	25.65	NA	1.6
MW-6R	**07/10/2003**	**19,000**	**1,600**	**<25**	**1,400**	**2,000**	**NA**	**730**	**33.15**	**8.60**	**e**	**24.55**	**NA**	**NA**
MW-7	08/06/1991	13,000	4,300	76	770	730	NA	NA	20.36	8.00	NA	12.36	NA	NA
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

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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
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	68.3	1,540	4,370	593	NA	20.35	5.36	NA	14.99	NA	1.2
MW-7	10/14/1999	65,600	1,140	157	2,230	7,060	1,090	NA	20.35	5.87	NA	14.48	NA	1.8
MW-7	01/06/2000	57,100	1,060	142	1,540	5,980	634	NA	20.35	6.12	NA	14.23	NA	1.8
MW-7	04/05/2000	36,500	843	<100	1,460	4,220	1,140	NA	20.35	4.87	NA	15.48	NA	1.4
MW-7	07/20/2000	28,400	263	251	457	1,300	690	NA	20.35	5.01	NA	15.34	NA	1.7
MW-7	10/24/2000	33,500	464	<200	1,600	3,830	<1,000	NA	20.35	4.17	NA	16.18	NA	1.5
MW-7	01/19/2001	1,860,000	<2,000	<2,000	<2,000	5,790	<10,000	NA	31.31	5.18	NA	26.13	NA	1.2

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MW-7	04/27/2001	31,000	150	20	1,400	3,000	NA	190	31.31	4.99	NA	26.32	NA	1.4
MW-7	07/26/2001	30,000	340	20	1,500	2,600	NA	380	31.31	6.20	NA	25.11	NA	1.1
MW-7	10/02/2001	38,000	480	9.0	970	2,600	NA	300	31.31	6.45	NA	24.86	NA	1.5
MW-7	01/15/2002	33,000	160	6.6	810	1,300	NA	130	31.31	4.31	NA	27.00	NA	2.0
MW-7	04/17/2002	28,000	160	6.1	1,000	1,700	NA	140	31.31	4.12	NA	27.19	NA	1.2
MW-7	07/11/2002	26,000	200	<5.0	830	1,300	NA	170	31.31	5.90	NA	25.41	NA	3.0
MW-7	10/10/2002	95,000 c	380	11	1,500	3,900	NA	330	31.31	6.32	NA	24.99	NA	2.9
MW-7	01/21/2003	18,000	100	2.6	530	780	NA	96	31.31	3.04	NA	28.27	NA	0.9
MW-7	05/02/2003	23,000	99	<10	490	620	NA	<100	31.31	3.45	NA	27.86	NA	0.91
MW-7	**07/10/2003**	**18,000**	**200**	**<5.0**	**460**	**1,100**	**NA**	**52**	**31.31**	**4.59**	**NA**	**26.72**	**NA**	**NA**
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

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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
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	1,130	50.3	NA	21.15	5.00	NA	16.15	NA	1.4
MW-8	10/14/1999	11,900	86.7	16.9	210	469	<100	NA	21.15	5.95	NA	15.20	NA	1.2
MW-8	01/06/2000	5,930	65	12.4	106	129	203.0	NA	21.15	6.19	NA	14.96	NA	1.3
MW-8	04/05/2000	6,770	100	<50.0	61.3	150	322	NA	21.15	5.14	NA	16.01	NA	2.1
MW-8	07/20/2000	28,900	109	307	119	235	337	NA	21.15	5.21	NA	15.94	NA	2.1
MW-8	10/24/2000	8,620	99.0	12.8	152	366	225	NA	21.15	3.11	NA	18.04	NA	1.0
MW-8	01/19/2001	5,590	49.4	6.50	26.0	57.4	99.5	NA	32.11	5.35	NA	26.76	NA	1.8
MW-8	04/27/2001	3,800	<0.50	<0.50	14	31	NA	<5.0	32.11	4.58	NA	27.53	NA	0.7
MW-8	07/26/2001	4,400	0.88	0.59	7.0	14	NA	<5.0	32.11	5.83	NA	26.28	NA	0.9
MW-8	10/02/2001	1,800	9.8	<0.50	23	16	NA	<5.0	32.11	6.50	NA	25.61	NA	1.2
MW-8	01/15/2002	2,700	1.2	1.5	0.93	1.7	NA	12	32.11	5.07	NA	27.04	NA	1.6
MW-8	04/17/2002	3,200	2.2	<1.0	9.0	14	NA	<10	32.11	3.80	NA	28.31	NA	1.0
MW-8	07/11/2002	6,500	23	1.0	12	19	NA	<10	32.11	6.29	NA	25.82	NA	1.9

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MW-8	10/10/2002	1,900	5.3	<0.50	30	33	NA	7.6	32.11	4.32	NA	27.79	NA	2.4
MW-8	01/21/2003	3,700	1.4	<1.0	3.9	6.6	NA	<10	32.11	5.57	NA	26.54	NA	0.6
MW-8	05/02/2003	3,900 d	<5.0	<5.0	<5.0	<10	NA	<50	32.11	1.67	NA	30.44	NA	0.23
MW-8	**07/10/2003**	**2,400**	**<2.5**	**<2.5**	**<2.5**	**<5.0**	**NA**	**<2.5**	**32.11**	**3.81**	**NA**	**28.30**	**NA**	**NA**
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
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

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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-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	<1.00	67.7	137	432	NA	21.19	7.30	NA	13.89	NA	1.6
MW-9	10/14/1999	3,200	199	<10.0	74.1	88.9	468	NA	21.19	7.26	NA	13.93	NA	1.4
MW-9	01/06/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	21.19	8.31	NA	12.88	NA	1.5
MW-9	04/05/2000	2,790	156	<5.00	39.1	57.8	399	NA	21.19	5.40	NA	15.79	NA	0.9
MW-9	07/20/2000	5,530	283	14.9	379	728	92.7	NA	21.19	5.70	NA	15.49	NA	2.1
MW-9	10/24/2000	3,090	110	<5.00	46.4	63.3	362	NA	21.19	5.90	NA	15.29	NA	1.0
MW-9	01/19/2001	6,060	180	<5.00	181	164	231	NA	32.15	5.39	NA	26.76	NA	1.2
MW-9	04/27/2001	2,700	56	<0.50	26	46	NA	150	32.15	5.38	NA	26.77	NA	1.2
MW-9	07/26/2001	4,200	50	<0.50	28	53	NA	180	32.15	6.45	NA	25.70	NA	1.0
MW-9	10/02/2001	11,000	150	<2.0	120	140	NA	180	32.15	6.10	NA	26.05	NA	1.4
MW-9	01/15/2002	1,200	<0.50	<0.50	<0.50	<0.50	NA	<5.0	32.15	4.77	NA	27.38	NA	1.2
MW-9	04/17/2002	2,200	24	<0.50	26	27	NA	96	32.15	5.57	NA	26.58	NA	0.6
MW-9	07/11/2002	4,600	21	<0.50	17	33	NA	140	32.15	6.64	NA	25.51	NA	2.1
MW-9	10/10/2002	2,800	8.8	<0.50	3.2	9.5	NA	160	32.15	7.41	NA	24.74	NA	2.4
MW-9	01/21/2003	470	1.9	<0.50	1.7	1.1	NA	13	32.15	5.47	NA	26.68	NA	1.0
MW-9	05/02/2003	770	2.9	<0.50	1.5	1.8	NA	82	32.15	5.40	NA	26.75	NA	0.96
MW-9	**07/10/2003**	**1,700**	**4.9**	**<2.5**	**3.0**	**5.2**	**NA**	**100**	**32.15**	**6.59**	**NA**	**25.56**	**NA**	**NA**
MW-10	10/23/1991	27,000	1,600	110	1,800	510	NA	NA	19.74	8.57	NA	11.17	NA	NA

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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	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
MW-10	01/12/1993	Inaccessible		NA	NA	NA	NA	NA	19.74	NA	NA	NA	NA	NA
MW-10	04/06/1993	14,000	370	<0.5	880	210	NA	NA	19.74	6.70	NA	13.04	NA	NA
MW-10	07/12/1993	10,000	440	58	890	220	NA	NA	19.74	8.05	NA	11.69	NA	NA
MW-10	10/13/1993	15,000	1,000	51	810	170	NA	NA	19.74	8.25	NA	11.49	NA	NA
MW-10	01/20/1994	12,000	820	56	1,100	350	NA	NA	19.74	7.20	NA	12.54	NA	NA
MW-10	04/13/1994	18,000	760	36	700	130	NA	NA	19.74	7.57	NA	12.17	NA	NA
MW-10	07/19/1994	24,000	400	2.30	800	22	NA	NA	19.74	8.18	NA	11.56	NA	NA
MW-10	10/27/1994	11,000	360	43	310	89	NA	NA	19.74	8.68	NA	11.06	NA	NA
MW-10	01/03/1995	17,000	770	38	690	160	NA	NA	19.74	6.86	NA	12.88	NA	NA
MW-10	04/13/1995	9,900	650	16	280	40	NA	NA	19.74	6.91	NA	12.83	NA	NA
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

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MW-10	04/12/1999	8,320	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	19.76	NA	NA	NA	NA	NA
MW-10	10/14/1999	Inaccessible		NA	NA	NA	NA	NA	19.76	NA	NA	NA	NA	NA
MW-10	01/06/2000	Inaccessible		NA	NA	NA	NA	NA	19.76	NA	NA	NA	NA	NA
MW-10	02/01/2000	4880	40.2	5.27	27.0	8.42	75.5	23.9	19.76	6.43	NA	13.33	NA	1.6
MW-10	04/05/2000	4,950	97.6	6.72	20.2	5.39	104	NA	19.76	7.00	NA	12.76	NA	1.7
MW-10	07/20/2000	2,800	166	191	27.6	88.7	81.5	NA	19.76	7.03	NA	12.73	NA	1.0
MW-10	10/24/2000	5,070	79.6	46.6	34.2	11.7	242	NA	19.76	7.96	NA	11.80	NA	1.9
MW-10	01/19/2001	Inaccessible		NA	NA	NA	NA	NA	19.76	NA	NA	NA	NA	NA
MW-10	01/30/2001	6,920	362	14.2	22.7	<10.0	138	NA	30.75	7.32	NA	23.43	NA	2.2
MW-10	04/27/2001	12,000	35	<2.5	37	6.5	NA	51	30.75	8.28	NA	22.47	NA	1.2
MW-10	07/26/2001	Inaccessible		NA	NA	NA	NA	NA	30.75	NA	NA	NA	NA	NA
MW-10	10/02/2001	Inaccessible		NA	NA	NA	NA	NA	30.75	NA	NA	NA	NA	NA
MW-10	10/23/2001	470	3.5	<0.50	<0.50	<0.50	NA	<5.0	30.75	7.02	NA	23.73	NA	1.8
MW-10	01/15/2002	3,000	5.4	<0.50	7.9	2.1	NA	12	30.75	6.69	NA	24.06	NA	2.7
MW-10	04/17/2002	5,100	7.9	<1.0	9.3	2.6	NA	15	30.75	7.34	NA	23.41	NA	0.6
MW-10	07/11/2002	5,700	38	2.2	7.8	3.5	NA	43	30.75	7.85	NA	22.90	NA	2.0
MW-10	10/10/2002	4,700	53	2.1	3.8	2.8	NA	80	30.75	8.04	NA	22.71	NA	3.3
MW-10	01/21/2003	3,900	11	1.0	7.5	2.3	NA	51	30.75	6.81	NA	23.94	NA	1.7
MW-10	05/02/2003	3,100	1.4	<0.50	4.6	1.4	NA	41	30.75	7.12	NA	23.63	NA	0.75
MW-10	**07/10/2003**	**4,200**	**17**	**<1.2**	**6.2**	**<2.5**	**NA**	**51**	**30.75**	**7.80**	**NA**	**22.95**	**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

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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
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
MW-11	10/14/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	22.06	8.99	NA	13.07	NA	2.4

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MW-11	01/06/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	22.06	9.93	NA	12.13	NA	2.9
MW-11	04/05/2000	<50.0	<0.500	<0.500	<0.500	<0.500	3.53	NA	22.06	5.90	NA	16.16	NA	1.8
MW-11	07/20/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	22.06	6.13	NA	15.93	NA	1.7
MW-11	10/24/2000	NA	NA	NA	NA	NA	NA	NA	22.06	7.45	NA	14.61	NA	NA
MW-11	01/19/2001	<50.0	<0.500	<0.500	<0.500	<0.500	4.29	NA	32.99	5.95	NA	27.04	NA	1.6
MW-11	04/27/2001	NA	NA	NA	NA	NA	NA	NA	32.99	6.12	NA	26.87	NA	NA
MW-11	07/26/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	32.99	7.65	NA	25.34	NA	2.1
MW-11	10/02/2001	NA	NA	NA	NA	NA	NA	NA	32.99	6.17	NA	26.82	NA	NA
MW-11	01/15/2002	69	<0.50	<0.50	<0.50	<0.50	NA	<5.0	32.99	4.95	NA	28.04	NA	1.5
MW-11	04/17/2002	NA	NA	NA	NA	NA	NA	NA	32.99	6.35	NA	26.64	NA	NA
MW-11	07/11/2002	58	<0.50	<0.50	<0.50	<0.50	NA	<5.0	32.99	7.47	NA	25.52	NA	2.3
MW-11	10/10/2002	NA	NA	NA	NA	NA	NA	NA	32.99	8.45	NA	24.54	NA	NA
MW-11	01/21/2003	57	<0.50	<0.50	<0.50	<0.50	NA	<5.0	32.99	5.45	NA	27.54	NA	1.4
MW-11	05/02/2003	NA	NA	NA	NA	NA	NA	NA	32.99	5.14	NA	27.85	NA	NA
MW-11	**07/10/2003**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**2.1**	**32.99**	**7.41**	**NA**	**25.58**	**NA**	**NA**

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Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by modified EPA Method 8260B; prior to April 27, 2001, analyzed by EPA Method 8015.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to April 27, 2001, analyzed by EPA Method 8020.
MTBE = Methyl-tertiary-butyl ether
TOC = Top of Casing Elevation
SPH = Separate-Phase Hydrocarbons
GW = Groundwater
DO = Dissolved Oxygen
ug/L = Parts per billion
ppm = Parts per million
MSL = Mean sea level
ft = Feet
<n = Below detection limit
(D) = Duplicate sample
NA = Not applicable

Notes:
a = Chromatogram pattern indicates an unidentified hydrocarbon.
b = MTBE could not be quantified due to co-eluting compounds.
c = The highest recovery value for TPH has been reported, but this should be considered an estimate. Repeated analysis yielded inconsistent results.
d = Hydrocarbon does not match pattern of laboratory's standard.
e = SPH present in well measured at less than 0.01 feet.
Visual inspection revealed the presence of distinct phases within the sample, indicating the possible presence of undissolved hydrocarbons.
* = This sample was analyzed outside the EPA recommended holding time.
Resurvey of wells was performed on August 28, 1998, by Virgil Chavez Land Surveying.
All wells except MW-11 surveyed February 26, 2001, by Virgil Chavez Land Surveying of Vallejo, California.

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

July 25, 2003

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

Third Quarter 2003 Groundwater Monitoring at
Shell-branded Service Station
3420 San Pablo Avenue
Oakland, CA

Monitoring performed on July 10, 2003

Groundwater Monitoring Report **030710-DW-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 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. 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 Sheet

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

SEVERN TRENT STL

Submission#: 2003-07-0368

Blaine Tech Services, Inc.

July 24, 2003

1680 Rogers Avenue
San Jose, CA 95112-1105

Attn.: Leon Gearhart

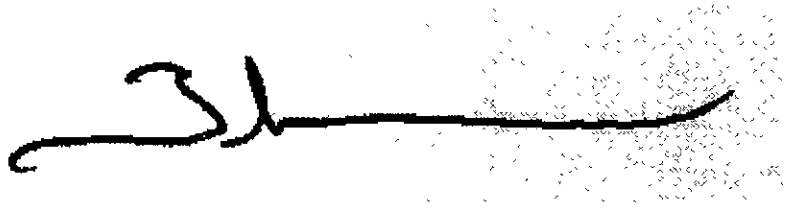
Project#: 030710-DW1
Project: 98995748
Site: 3420 San Palo Ave., Oakland

Dear Mr.Gearhart,

Attached is our report for your samples received on 07/11/2003 14:00
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 08/25/2003 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

July 23, 2003

STL LOT NUMBER: **E3G150199**
PO/CONTRACT: 2003-07-0368

Tod Granicher
STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Dear Mr. Granicher,

This report contains the analytical results for the 11 samples received under chain of custody by STL Los Angeles on July 15, 2003. These samples are associated with your NA T0600101253 project.

STL Los Angeles certifies that the test results provided in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA.

Any matrix related anomaly is footnoted within the report. A cooler receipt temperature between 2-6 degrees Celsius is within EPA acceptance criteria. The temperature(s) of the cooler received for this project can be found on the Project Receipt Checklist. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. All applicable quality control procedures met method-specified acceptance criteria except as noted on the following page.

000034

This report contains _____ pages.

CASE NARRATIVE

Please note that the samples were received in the laboratory at 12.5 degrees centigrade. Also, the VOA vials for the following samples had bubbles (approx. 1-2 mm diameter):

MW-3R --- 1 of 3
MW-6R --- 1 of 3
MW-9 --- 2 of 3
MW-11 --- 3 of 3

These were brought to your attention via facsimile on July 15, 2003.

If you have any questions, please feel free to call me at (714) 258-8610.

Sincerely,

Marisol Tabirara

Marisol Tabirara
Project Manager

cc: Project File

G150199

SHELL Chain Of Custody Record

10764

Lab Identification (if necessary):
Address:
City, State, Zip:

Shell Project Manager to be invoiced:
- [x] SCIENCE & ENGINEERING
- [ ] TECHNICAL SERVICES
- [ ] CRMT HOUSTON

Karen Petryna

2003-07-0368

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

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

DATE: 7-10-03

PAGE: 1 of 2

SAMPLING COMPANY	...ne Tech Services
LOG CODE	BTSS
SITE ADDRESS (Street and City)	3420 San Pablo Avenue, Oakland
GLOBAL ID NO.	T0600101253
ADDRESS	...0 Rogers Avenue, San Jose, CA 95112
EDF DELIVERABLE TO (Responsible Party or Designee)	Anni Kreml
PHONE NO.	510-420-3335
E-MAIL	ShellOaklandEDF@cambria-env.com
CONSULTANT PROJECT NO.	C30710-DW-1
BTS #	
PROJECT CONTACT (Hardcopy or PDF Report to)	...n Gearhart
SAMPLER NAME(S) (Print)	Dave Walter
TELEPHONE	...-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 ~~TBG~~ 150199

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

TEMPERATURE ON RECEIPT C°: 5.4°C

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)									
mw-1	7-10	16:04	W	3	X	X		X																
mw-2	↓	16:25	↓	↓	X	X		X																
mw-3R	↓	13:06	↓	↓	X	X		X																
mw-4	↓	15:30	↓	↓	X	X		X																
mw-5	↓	15:44	↓	↓	X	X		X																
mw-6R	↓	15:22	↓	↓	X	X		X																
mw-7	↓	16:15	↓	↓	X	X		X																
mw-8	↓	15:53	↓	↓	X	X		X																
mw-9	↓	12:28	↓	↓	X	X		X																
mw-10	↓	13:55	↓	↓	X	X		X																

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
David C. Walter	[signature]	7-11-03	2:00
[signature]	[signature] STLSF	7/11/03	1715
[signature] Harrington 7/14/03 @ 1420	[signature]	7/15/03	1000

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

10/16/00 Revision

SHELL Chain Of Custody Record

Lab Identification (if necessary):
Address:
City, State, Zip

Shell Project Manager to be invoiced:

- ☑ SCIENCE & ENGINEERING
- ☐ TECHNICAL SERVICES
- ☐ CRMT HOUSTON

Karen Petryna

2003-07-0368

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

SAP or CRMT NUMBER (TS/CRMT)

DATE: 7-10-03
PAGE: 2 of 2

SAMPLING COMPANY: ...e Tech Services
LOG CODE: BTSS
SITE ADDRESS (Street and City): 3420 San Pablo Avenue, Oakland
GLOBAL ID NO: T0600101253
ADDRESS: ... Rogers Avenue, San Jose, CA 95112
EDF DELIVERABLE TO (Responsible Party or Designee): Anni Kreml
PHONE NO: 510-420-3335
E-MAIL: ShellOaklandEDF@cambria-env.com
CONSULTANT PROJECT NO: C3i 7K 02-1
BTS #
PROJECT CONTACT (Hardcopy or PDF Report to): ... Gearhart
SAMPLER NAME(S) (Print): Dave Walter
PHONE: ...573-0555
FAX: 408-573-7771
E-MAIL: lgearhart@blainetech.com
LAB USE ONLY

TURNAROUND TIME (BUSINESS DAYS)
...0 DAYS ☐ 5 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

...A - RWQCB REPORT FORMAT ☐ UST AGENCY: ______

...IS MTBE CONFIRMATION: HIGHEST ______ HIGHEST per BORING ______ ALL ______

...CIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED ☐

REQUESTED ANALYSIS 33G150199

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)	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
MW-11	7-10	17:00	W	3	X	X		X							

TEMPERATURE ON RECEIPT C°

Relinquished by (Signature)	Received by (Signature)	Date	Time
[signature]	[signature]	7-11-03	2:00
[signature]	[signature] STL	7/11/03	1715
Denise Harrington 7/14/03 @1420	[signature]	07/15/03	1000

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

10/16/00 Revision

STL LOS ANGELES
PROJECT RECEIPT CHECKLIST

Date: 07/15/03

Quantims Lot #: EBG 150199 | Quote #:
Client Name: SFR - SF | Project: Shell
Received by: AB | Date/Time Received: 07/15/03 @ 1007
Delivered by : ☐Client ☐Airborne ☒Fed Ex ☐DHL ☐In-House Courier ☐Rey B.
☐UPS ☐DES ☐Other

	Initial / Date
Custody Seal Status: ☐Intact ☐Broken ☒None	AB 07/15/03
Custody Seal #(s): ☐No Seal #	
Sample Container(s): ☐STL-LA ☒Client ☐N/A	
Temperature(s) (Cooler/blank) in °C: 12.7 Correction factor -0.2°c (Corrected Temp.) 12.5	
Thermometer Used : ID: B ☒IR (Infra-red) ☐Digital (Probe)	
Samples: ☒Intact ☐Broken ☐Other	
Anomalies: ☐No ☒Yes (See Clouseau)	
Labeled by	
Labeling checked by	
Turn Around Time: ☐RUSH-24HR ☐RUSH-48HR ☐RUSH-72HR ☒NORMAL	
Short-Hold Notification: ☐Ph ☐Wet Chem ☐Metals (Filter/Pres) ☐Encore ☒N/A	
Outside Analysis(es) (Test/Lab/Date Sent Out) :	

LEAVE NO BLANK SPACES ; USE N/A

Fraction	(→ 11)											PH
VOAh /*	3											N/A

h:HCl na:Sodium Hydoxide zna:Zinc Acetate/Sodium Hydroxide s: H2SO4 n:HNO3 n/f:HNO3-Field filtered n/f/l:HNO3-Lab filtered
CGJ:Clear Glass Jar CGB:Clear Glass Bottle AGJ:Amber Glass Jar AGB:Amber Glass Bottle PB: Poly Bottle E:Encore Sampler V:VOA SL:Sleeve
* Number of VOA's w/ Headspace present

LOGGED BY/DATE: AB 07/15/03 REVIEWED BY/DATE: [signature] 7-15-03

SEVERN TRENT STL

Analytical Report

ANALYTICAL REPORT

PROJECT NO. 030710-DW-1/98995748

NA T0600101253

Lot #: E3G150199

Tod Granicher

STL San Francisco

SEVERN TRENT LABORATORIES, INC.

Marisol Tabirara
Project Manager

July 23, 2003

EXECUTIVE SUMMARY - Detection Highlights

E3G150199

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-1 07/10/03 16:04 001				
Benzene	37	12	ug/L	SW846 8260B
Methyl tert-butyl ether (MTBE)	600	12	ug/L	SW846 8260B
TPH (as Gasoline)	1900	1200	ug/L	SW846 8260B
MW-2 07/10/03 16:25 002				
Benzene	3800	50	ug/L	SW846 8260B
Ethylbenzene	2500	50	ug/L	SW846 8260B
Methyl tert-butyl ether (MTBE)	180	50	ug/L	SW846 8260B
TPH (as Gasoline)	20000	5000	ug/L	SW846 8260B
Xylenes (total)	1500	100	ug/L	SW846 8260B
MW-3R 07/10/03 13:06 003				
Methyl tert-butyl ether (MTBE)	11	0.50	ug/L	SW846 8260B
MW-4 07/10/03 15:30 004				
Benzene	93	25	ug/L	SW846 8260B
Methyl tert-butyl ether (MTBE)	2800	25	ug/L	SW846 8260B
MW-5 07/10/03 15:44 005				
Benzene	2.1	1.0	ug/L	SW846 8260B
Ethylbenzene	4.8	1.0	ug/L	SW846 8260B
Methyl tert-butyl ether (MTBE)	48	1.0	ug/L	SW846 8260B
TPH (as Gasoline)	2700	100	ug/L	SW846 8260B
MW-6R 07/10/03 15:22 006				
Benzene	1600	25	ug/L	SW846 8260B
Ethylbenzene	1400	25	ug/L	SW846 8260B
Methyl tert-butyl ether (MTBE)	730	25	ug/L	SW846 8260B
TPH (as Gasoline)	19000	2500	ug/L	SW846 8260B
Xylenes (total)	2000	50	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

E3G150199

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-7 07/10/03 16:15 007				
Benzene	200	5.0	ug/L	SW846 8260B
Ethylbenzene	460	5.0	ug/L	SW846 8260B
Methyl tert-butyl ether (MTBE)	52	5.0	ug/L	SW846 8260B
TPH (as Gasoline)	18000	500	ug/L	SW846 8260B
Xylenes (total)	1100	10	ug/L	SW846 8260B
MW-8 07/10/03 15:53 008				
TPH (as Gasoline)	2400	250	ug/L	SW846 8260B
MW-9 07/10/03 12:28 009				
Benzene	4.9	2.5	ug/L	SW846 8260B
Ethylbenzene	3.0	2.5	ug/L	SW846 8260B
Methyl tert-butyl ether (MTBE)	100	2.5	ug/L	SW846 8260B
TPH (as Gasoline)	1700	250	ug/L	SW846 8260B
Xylenes (total)	5.2	5.0	ug/L	SW846 8260B
MW-10 07/10/03 13:55 010				
Benzene	17	1.2	ug/L	SW846 8260B
Ethylbenzene	6.2	1.2	ug/L	SW846 8260B
Methyl tert-butyl ether (MTBE)	51	1.2	ug/L	SW846 8260B
TPH (as Gasoline)	4200	120	ug/L	SW846 8260B
MW-11 07/10/03 12:00 011				
Methyl tert-butyl ether (MTBE)	2.1	0.50	ug/L	SW846 8260B

METHODS SUMMARY

E3G150199

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Volatile Organics by GC/MS	SW846 8260B	

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

E3G150199

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
FTAV1	001	MW-1	07/10/03	16:04
FTAV6	002	MW-2	07/10/03	16:25
FTAV9	003	MW-3R	07/10/03	13:06
FTAWC	004	MW-4	07/10/03	15:30
FTAWD	005	MW-5	07/10/03	15:44
FTAWF	006	MW-6R	07/10/03	15:22
FTAWH	007	MW-7	07/10/03	16:15
FTAWN	008	MW-8	07/10/03	15:53
FTAWV	009	MW-9	07/10/03	12:28
FTAWW	010	MW-10	07/10/03	13:55
FTAW1	011	MW-11	07/10/03	12:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

STL SAN FRANCISCO

Client Sample ID: MW-1

GC/MS Volatiles

Lot-Sample #...:	E3G150199-001	Work Order #...:	FTAV11AA	Matrix.....:	WG
Date Sampled...:	07/10/03 16:04	Date Received..:	07/15/03 10:00	MS Run #.....:	3198308
Prep Date.....:	07/16/03	Analysis Date..:	07/16/03		
Prep Batch #...:	3198585	Analysis Time..:	18:29		
Dilution Factor:	25				
Analyst ID.....:	004648	Instrument ID..:	MSK		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	37	12	ug/L
Ethylbenzene	ND	12	ug/L
Methyl tert-butyl ether (MTBE)	600	12	ug/L
Toluene	ND	12	ug/L
TPH (as Gasoline)	1900	1200	ug/L
Xylenes (total)	ND	25	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	94	(65 - 135)
Toluene-d8	104	(80 - 130)

STL SAN FRANCISCO

Client Sample ID: MW-2

GC/MS Volatiles

Lot-Sample #...:	E3G150199-002	Work Order #...:	FTAV61AA	Matrix.....:	WG
Date Sampled...:	07/10/03 16:25	Date Received..:	07/15/03 10:00	MS Run #.....:	3198308
Prep Date.....:	07/16/03	Analysis Date..:	07/16/03		
Prep Batch #...:	3198585	Analysis Time..:	18:53		
Dilution Factor:	100				
Analyst ID.....:	004648	Instrument ID..:	MSK		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**3800**	**50**	**ug/L**
Ethylbenzene	**2500**	**50**	**ug/L**
Methyl tert-butyl ether (MTBE)	**180**	**50**	**ug/L**
Toluene	ND	50	ug/L
TPH (as Gasoline)	**20000**	**5000**	**ug/L**
Xylenes (total)	**1500**	**100**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	102	(65 - 135)
Toluene-d8	99	(80 - 130)

STL SAN FRANCISCO

Client Sample ID: MW-3R

GC/MS Volatiles

Lot-Sample #...:	E3G150199-003	Work Order #...:	FTAV91AA	Matrix.....:	WG
Date Sampled...:	07/10/03 13:06	Date Received..:	07/15/03 10:00	MS Run #.....:	3198308
Prep Date.....:	07/16/03	Analysis Date..:	07/16/03		
Prep Batch #...:	3198585	Analysis Time..:	19:16		
Dilution Factor:	1				
Analyst ID.....:	004648	Instrument ID..:	MSK		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether (MTBE)	11	0.50	ug/L
Toluene	ND	0.50	ug/L
TPH (as Gasoline)	ND	50	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	103	(65 - 135)
Toluene-d8	99	(80 - 130)

STL SAN FRANCISCO

Client Sample ID: MW-4

GC/MS Volatiles

Lot-Sample #...:	E3G150199-004	Work Order #...:	FTAWC1AA	Matrix.....:	WG
Date Sampled...:	07/10/03 15:30	Date Received..:	07/15/03 10:00	MS Run #.....:	3198308
Prep Date.....:	07/16/03	Analysis Date..:	07/16/03		
Prep Batch #...:	3198585	Analysis Time..:	19:40		
Dilution Factor:	50				
Analyst ID.....:	004648	Instrument ID..:	MSK		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**93**	**25**	**ug/L**
Ethylbenzene	ND	25	ug/L
Methyl tert-butyl ether (MTBE)	**2800**	**25**	**ug/L**
Toluene	ND	25	ug/L
TPH (as Gasoline)	ND	2500	ug/L
Xylenes (total)	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(65 - 135)
Toluene-d8	97	(80 - 130)

STL SAN FRANCISCO

Client Sample ID: MW-5

GC/MS Volatiles

Lot-Sample #...:	E3G150199-005	Work Order #...:	FTAWD1AA	Matrix.....:	WG
Date Sampled...:	07/10/03 15:44	Date Received..:	07/15/03 10:00	MS Run #.....:	3198308
Prep Date.....:	07/16/03	Analysis Date..:	07/16/03		
Prep Batch #...:	3198585	Analysis Time..:	20:03		
Dilution Factor:	2				
Analyst ID.....:	004648	Instrument ID..:	MSK		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	2.1	1.0	ug/L
Ethylbenzene	4.8	1.0	ug/L
Methyl tert-butyl ether (MTBE)	48	1.0	ug/L
Toluene	ND	1.0	ug/L
TPH (as Gasoline)	2700	100	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(65 - 135)
Toluene-d8	100	(80 - 130)

STL SAN FRANCISCO

Client Sample ID: MW-6R

GC/MS Volatiles

Lot-Sample #...:	E3G150199-006	Work Order #...:	FTAWF1AA	Matrix.....:	WG
Date Sampled...:	07/10/03 15:22	Date Received..:	07/15/03 10:00	MS Run #.....:	3198308
Prep Date.....:	07/16/03	Analysis Date..:	07/16/03		
Prep Batch #...:	3198585	Analysis Time..:	20:27		
Dilution Factor:	50				
Analyst ID.....:	004648	Instrument ID..:	MSK		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	1600	25	ug/L
Ethylbenzene	1400	25	ug/L
Methyl tert-butyl ether (MTBE)	730	25	ug/L
Toluene	ND	25	ug/L
TPH (as Gasoline)	19000	2500	ug/L
Xylenes (total)	2000	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	109	(65 - 135)
Toluene-d8	98	(80 - 130)

STL SAN FRANCISCO

Client Sample ID: MW-7

GC/MS Volatiles

Lot-Sample #...:	E3G150199-007	**Work Order #...:**	FTAWH1AA	**Matrix.....:**	WG
Date Sampled...:	07/10/03 16:15	**Date Received..:**	07/15/03 10:00	**MS Run #.....:**	3198308
Prep Date.....:	07/16/03	**Analysis Date..:**	07/16/03		
Prep Batch #...:	3198585	**Analysis Time..:**	20:50		
Dilution Factor:	10				
Analyst ID.....:	004648	**Instrument ID..:**	MSK		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**200**	**5.0**	**ug/L**
Ethylbenzene	**460**	**5.0**	**ug/L**
Methyl tert-butyl ether (MTBE)	**52**	**5.0**	**ug/L**
Toluene	ND	5.0	ug/L
TPH (as Gasoline)	**18000**	**500**	**ug/L**
Xylenes (total)	**1100**	**10**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	94	(65 - 135)
Toluene-d8	96	(80 - 130)

STL SAN FRANCISCO

Client Sample ID: MW-8

GC/MS Volatiles

Lot-Sample #...:	E3G150199-008	**Work Order #...:**	FTAWN1AA	**Matrix.....:**	WG
Date Sampled...:	07/10/03 15:53	**Date Received..:**	07/15/03 10:00	**MS Run #.....:**	3202257
Prep Date.....:	07/18/03	**Analysis Date..:**	07/18/03		
Prep Batch #...:	3202552	**Analysis Time..:**	14:03		
Dilution Factor:	5				
Analyst ID.....:	004648	**Instrument ID..:**	MSK		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	2.5	ug/L
Ethylbenzene	ND	2.5	ug/L
Methyl tert-butyl ether (MTBE)	ND	2.5	ug/L
Toluene	ND	2.5	ug/L
TPH (as Gasoline)	**2400**	**250**	**ug/L**
Xylenes (total)	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	87	(65 - 135)
Toluene-d8	97	(80 - 130)

STL SAN FRANCISCO

Client Sample ID: MW-9

GC/MS Volatiles

Lot-Sample #...:	E3G150199-009	Work Order #...:	FTAWV1AA	Matrix.....:	WG
Date Sampled...:	07/10/03 12:28	Date Received..:	07/15/03 10:00	MS Run #.....:	3198308
Prep Date.....:	07/16/03	Analysis Date..:	07/16/03		
Prep Batch #...:	3198585	Analysis Time..:	21:37		
Dilution Factor:	5				
Analyst ID.....:	004648	Instrument ID..:	MSK		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	4.9	2.5	ug/L
Ethylbenzene	3.0	2.5	ug/L
Methyl tert-butyl ether (MTBE)	100	2.5	ug/L
Toluene	ND	2.5	ug/L
TPH (as Gasoline)	1700	250	ug/L
Xylenes (total)	5.2	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	96	(65 - 135)
Toluene-d8	90	(80 - 130)

STL SAN FRANCISCO

Client Sample ID: MW-10

GC/MS Volatiles

Lot-Sample #...:	E3G150199-010	Work Order #...:	FTAWW1AA	Matrix.....:	WG
Date Sampled...:	07/10/03 13:55	Date Received..:	07/15/03 10:00	MS Run #.....:	3198308
Prep Date.....:	07/16/03	Analysis Date..:	07/16/03		
Prep Batch #...:	3198585	Analysis Time..:	22:06		
Dilution Factor:	2.5				
Analyst ID.....:	004648	Instrument ID..:	MSK		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**1.7**	**1.2**	**ug/L**
Ethylbenzene	**6.2**	**1.2**	**ug/L**
Methyl tert-butyl ether (MTBE)	**51**	**1.2**	**ug/L**
Toluene	ND	1.2	ug/L
TPH (as Gasoline)	**4200**	**120**	**ug/L**
Xylenes (total)	ND	2.5	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	93	(65 - 135)
Toluene-d8	100	(80 - 130)

STL SAN FRANCISCO

Client Sample ID: MW-11

GC/MS Volatiles

Lot-Sample #...:	E3G150199-011	Work Order #...:	FTAW11AA	Matrix.....:	WG
Date Sampled...:	07/10/03 12:00	Date Received..:	07/15/03 10:00	MS Run #.....:	3198308
Prep Date.....:	07/16/03	Analysis Date..:	07/16/03		
Prep Batch #...:	3198585	Analysis Time..:	23:40		
Dilution Factor:	1				
Analyst ID.....:	004648	Instrument ID..:	MSK		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether (MTBE)	2.1	0.50	ug/L
Toluene	ND	0.50	ug/L
TPH (as Gasoline)	ND	50	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	94	(65 - 135)
Toluene-d8	100	(80 - 130)

QC DATA ASSOCIATION SUMMARY

E3G150199

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WG	SW846 8260B		3198585	3198308
002	WG	SW846 8260B		3198585	3198308
003	WG	SW846 8260B		3198585	3198308
004	WG	SW846 8260B		3198585	3198308
005	WG	SW846 8260B		3198585	3198308
006	WG	SW846 8260B		3198585	3198308
007	WG	SW846 8260B		3198585	3198308
008	WG	SW846 8260B		3202552	3202257
009	WG	SW846 8260B		3198585	3198308
010	WG	SW846 8260B		3198585	3198308
011	WG	SW846 8260B		3198585	3198308

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E3G150199
MB Lot-Sample #: E3G170000-585

Work Order #...: FTJJ81AA

Matrix.....: WATER

Analysis Date..: 07/16/03
Dilution Factor: 1

Prep Date.....: 07/16/03
Prep Batch #...: 3198585

Analyst ID.....: 004648

Analysis Time..: 14:22
Instrument ID..: MSK

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	0.50	ug/L	SW846 8260B
Ethylbenzene	ND	0.50	ug/L	SW846 8260B
Toluene	ND	0.50	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B
TPH (as Gasoline)	ND	50	ug/L	SW846 8260B
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	94	(65 - 135)
Toluene-d8	87	(80 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E3G150199
MB Lot-Sample #: E3G210000-552

Work Order #...: FTQKH1AA

Matrix.....: WATER

Prep Date.....: 07/18/03
Prep Batch #...: 3202552

Analysis Time..: 12:23
Instrument ID..: MSK

Analysis Date..: 07/18/03
Dilution Factor: 1

Analyst ID.....: 004648

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	0.50	ug/L	SW846 8260B
Ethylbenzene	ND	0.50	ug/L	SW846 8260B
Toluene	ND	0.50	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B
TPH (as Gasoline)	ND	50	ug/L	SW846 8260B
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	87	(65 - 135)
Toluene-d8	94	(80 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E3G150199 Work Order #...: FTJJ81AC Matrix.....: WATER
LCS Lot-Sample#: E3G170000-585
Prep Date.....: 07/16/03 Analysis Date..: 07/16/03
Prep Batch #...: 3198585 Analysis Time..: 13:59
Dilution Factor: 1 Instrument ID..: MSK
Analyst ID.....: 004648

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**100**	**(75 - 125)**	**SW846 8260B**
Toluene	**100**	**(75 - 125)**	**SW846 8260B**
Ethylbenzene	**100**	**(70 - 130)**	**SW846 8260B**
Methyl tert-butyl ether (MTBE)	**109**	**(65 - 165)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	90	(65 - 135)
Toluene-d8	95	(80 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E3G150199 Work Order #...: FTJJ81AC Matrix.....: WATER
LCS Lot-Sample#: E3G170000-585
Prep Date.....: 07/16/03 Analysis Date..: 07/16/03
Prep Batch #...: 3198585 Analysis Time..: 13:59
Dilution Factor: 1 Instrument ID..: MSK
Analyst ID.....: 004648

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**10.0**	**10.0**	**ug/L**	**100**	**SW846 8260B**
Toluene	**10.0**	**9.96**	**ug/L**	**100**	**SW846 8260B**
Ethylbenzene	**10.0**	**9.96**	**ug/L**	**100**	**SW846 8260B**
Methyl tert-butyl ether (MTBE)	**10.0**	**10.9**	**ug/L**	**109**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	90	(65 - 135)
Toluene-d8	95	(80 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E3G150199 Work Order #...: FTQKH1AC Matrix.....: WATER
LCS Lot-Sample#: E3G210000-552
Prep Date.....: 07/18/03 Analysis Date..: 07/18/03
Prep Batch #...: 3202552 Analysis Time..: 12:00
Dilution Factor: 1 Instrument ID..: MSK
Analyst ID.....: 004648

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**87**	**(75 - 125)**	**SW846 8260B**
Toluene	**94**	**(75 - 125)**	**SW846 8260B**
Ethylbenzene	**91**	**(70 - 130)**	**SW846 8260B**
Methyl tert-butyl ether (MTBE)	**85**	**(65 - 165)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	93	(65 - 135)
Toluene-d8	100	(80 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E3G150199 Work Order #...: FTQKH1AC Matrix.....: WATER
LCS Lot-Sample#: E3G210000-552
Prep Date.....: 07/18/03 Analysis Date..: 07/18/03
Prep Batch #...: 3202552 Analysis Time..: 12:00
Dilution Factor: 1 Instrument ID..: MSK
Analyst ID.....: 004648

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	10.0	8.71	ug/L	87	SW846 8260B
Toluene	10.0	9.41	ug/L	94	SW846 8260B
Ethylbenzene	10.0	9.11	ug/L	91	SW846 8260B
Methyl tert-butyl ether (MTBE)	10.0	8.46	ug/L	85	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	93	(65 - 135)
Toluene-d8	100	(80 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...:	E3G150199	Work Order #...:	FR9MN1AC-MS	Matrix.....:	WATER
MS Lot-Sample #:	E3G140256-004		FR9MN1AD-MSD		
Date Sampled...:	07/09/03 11:50	Date Received..:	07/14/03 15:00	MS Run #.....:	3198308
Prep Date.....:	07/16/03	Analysis Date..:	07/16/03		
Prep Batch #...:	3198585	Analysis Time..:	22:53		
Dilution Factor:	1	Analyst ID.....:	004648	Instrument ID..:	MSK

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	105	(75 - 125)			**SW846 8260B**
	110	(75 - 125)	4.2	(0-25)	**SW846 8260B**
Toluene	95	(75 - 125)			**SW846 8260B**
	104	(75 - 125)	9.2	(0-25)	**SW846 8260B**
Ethylbenzene	96	(70 - 130)			**SW846 8260B**
	107	(70 - 130)	11	(0-20)	**SW846 8260B**
Methyl tert-butyl ether (MTBE)	107	(65 - 165)			**SW846 8260B**
	105	(65 - 165)	2.3	(0-20)	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	101	(65 - 135)
	103	(65 - 135)
Toluene-d8	96	(80 - 130)
	100	(80 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...:	E3G150199	Work Order #...:	FR9MN1AC-MS	Matrix.....:	WATER
MS Lot-Sample #:	E3G140256-004		FR9MN1AD-MSD		
Date Sampled...:	07/09/03 11:50	Date Received..:	07/14/03 15:00	MS Run #.....:	3198308
Prep Date.....:	07/16/03	Analysis Date..:	07/16/03		
Prep Batch #...:	3198585	Analysis Time..:	22:53		
Dilution Factor:	1	Analyst ID.....:	004648	Instrument ID..:	MSK

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	ND	10.0	10.5	ug/L	105		SW846 8260B
	ND	10.0	11.0	ug/L	110	4.2	SW846 8260B
Toluene	ND	10.0	9.46	ug/L	95		SW846 8260B
	ND	10.0	10.4	ug/L	104	9.2	SW846 8260B
Ethylbenzene	ND	10.0	9.60	ug/L	96		SW846 8260B
	ND	10.0	10.7	ug/L	107	11	SW846 8260B
Methyl tert-butyl ether (MTBE)	0.66	10.0	11.4	ug/L	107		SW846 8260B
	0.66	10.0	11.1	ug/L	105	2.3	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	101	(65 - 135)
	103	(65 - 135)
Toluene-d8	96	(80 - 130)
	100	(80 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...:	E3G150199	**Work Order #...:**	FTLAQ1AC-MS FTLAQ1AD-MSD	**Matrix.....:**	WATER
MS Lot-Sample #:	E3G180233-001				
Date Sampled...:	07/16/03 10:05	**Date Received..:**	07/18/03 10:30	**MS Run #.....:**	3202257
Prep Date.....:	07/18/03	**Analysis Date..:**	07/18/03		
Prep Batch #...:	3202552	**Analysis Time..:**	14:50		
Dilution Factor:	1	**Analyst ID.....:**	004648	**Instrument ID..:**	MSK

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	93	(75 - 125)			SW846 8260B
	105	(75 - 125)	12	(0-25)	SW846 8260B
Toluene	98	(75 - 125)			SW846 8260B
	104	(75 - 125)	6.4	(0-25)	SW846 8260B
Ethylbenzene	106	(70 - 130)			SW846 8260B
	113	(70 - 130)	6.9	(0-20)	SW846 8260B
Methyl tert-butyl ether (MTBE)	98	(65 - 165)			SW846 8260B
	142	(65 - 165)	8.4	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	88	(65 - 135)
	98	(65 - 135)
Toluene-d8	100	(80 - 130)
	103	(80 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...:	E3G150199	**Work Order #...:**	FTLAQ1AC-MS	**Matrix.....:**	WATER
MS Lot-Sample #:	E3G180233-001		FTLAQ1AD-MSD		
Date Sampled...:	07/16/03 10:05	**Date Received..:**	07/18/03 10:30	**MS Run #.....:**	3202257
Prep Date.....:	07/18/03	**Analysis Date..:**	07/18/03		
Prep Batch #...:	3202552	**Analysis Time..:**	14:50		
Dilution Factor:	1	**Analyst ID.....:**	004648	**Instrument ID..:**	MSK

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**10.0**	**9.30**	**ug/L**	**93**		**SW846 8260B**
	ND	**10.0**	**10.5**	**ug/L**	**105**	**12**	**SW846 8260B**
Toluene	**ND**	**10.0**	**9.77**	**ug/L**	**98**		**SW846 8260B**
	ND	**10.0**	**10.4**	**ug/L**	**104**	**6.4**	**SW846 8260B**
Ethylbenzene	**ND**	**10.0**	**10.6**	**ug/L**	**106**		**SW846 8260B**
	ND	**10.0**	**11.3**	**ug/L**	**113**	**6.9**	**SW846 8260B**
Methyl tert-butyl ether (MTBE)	**40**	**10.0**	**50.2**	**ug/L**	**98**		**SW846 8260B**
	40	**10.0**	**54.6**	**ug/L**	**142**	**8.4**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	88	(65 - 135)
	98	(65 - 135)
Toluene-d8	100	(80 - 130)
	103	(80 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

Bold print denotes control parameters

SHELL Chain Of Custody Record

T3764

Lab Identification (if necessary):
Address:
City, State, Zip:

Shell Project Manager to be invoiced:
☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

Karen Petryna

2003-07-0368

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

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

DATE: 7-10-03

PAGE: 1 of 2

SAMPLING COMPANY	Blaine Tech Services
LOG CODE	BTSS
SITE ADDRESS (Street and City)	3420 San Pablo Avenue, Oakland
GLOBAL ID NO.	T0600101253
ADDRESS	1680 Rogers Avenue, San Jose, CA 95112
EDF DELIVERABLE TO (Responsible Party or Designee)	Anni Kreml
PHONE NO.	510-420-3335
E-MAIL	ShellOaklandEDF@cambria-env.com
CONSULTANT PROJECT NO.	030710-DW1
BTS #	
PROJECT CONTACT (Hardcopy or PDF Report to)	Leon Gearhart
TELEPHONE	408-573-0555
FAX	408-573-7771
E-MAIL	lgearhart@blainetech.com
SAMPLER NAME(S) (Print)	Dave Walter
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

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)									FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	mw-1	7-10	1604	w	3	X	X		X																
	mw-2	↓	16:25	↓	↓	X	X		X																
	mw-3R		17:04			X	X		X																
	mw-4		15:30			X	X		X																
	mw-5		15:44			X	X		X																
	mw-6R		15:22			X	X		X																
	mw-7		16:15			X	X		X																
	mw-8		15:53			X	X		X																
	mw-9		17:28			X	X		X																
	mw-10		17:55			X	X		X																

TEMPERATURE ON RECEIPT C°: 5.4°C

Relinquished by: (Signature) David C Walter	Received by: (Signature) [signature]	Date: 7-11-03	Time: 2:00
Relinquished by: (Signature) [signature]	Received by: (Signature) [signature] STL SF	Date: 7/11/03	Time: 1715
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

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

10/16/00 Revision

QAQ Graphics (714) 838-9702

SHELL Chain Of Custody Record

T7764

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be invoiced: Karen Petryna

☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT HOUSTON

2003-07-0368

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

SAP or CRMT NUMBER (TS/CRMT):

DATE: 7-10-03

PAGE: 2 of 2

SAMPLING COMPANY	LOG CODE	SITE ADDRESS (Street and City)	GLOBAL ID NO.
Blaine Tech Services	BTSS	3420 San Pablo Avenue, Oakland	T0600101253

ADDRESS			
1680 Rogers Avenue, San Jose, CA 95112			
PROJECT CONTACT (Hardcopy or PDF Report to)	**EDF DELIVERABLE TO (Responsible Party or Designee)**	**PHONE NO.**	**E-MAIL**
Leon Gearhart	Anni Kreml	510-420-3335	ShellOaklandEDF@cambria-env.com
TELEPHONE	**FAX**	**E-MAIL**	**CONSULTANT PROJECT NO.**
408-573-0555	408-573-7771	lgearhart@blainetech.com	030-7K-0W-1
SAMPLER NAME(S) (Print)			**BTS #**
Dave Walter			**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

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)	TEMPERATURE ON RECEIPT C°
	MW-11	7-10	12:00	W	3	X	X		X							

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

Relinquished by (Signature)	Received by (Signature)	Date	Time
David C Smith		7-11-03	2:00
Relinquished by (Signature)	Received by (Signature)	Date	Time
	STL	7/11/03	1715
Relinquished by (Signature)	Received by (Signature)	Date	Time

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

10/1999 Revision

OXO Graphic (714) 898-9672

WELL GAUGING DATA

Project # 030710-Dw-1 Date 7-10-03 Client Shell

Site 3420 San Pablo Ave 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	
8	mw-1	4					5.61	24.53		
10	mw-2	4					6.16	19.26		
2	mw-3R	2					8.20	28.62		
4	mw-4	4					7.74	19.20		
6	mw-5	4					5.68	24.70		
11	mw-6R	2	[redacted]	SPH in well less than .01 (determined by using bailer)			8.60	28.00		
9	mw-7	4					4.59	19.56		
7	mw-8	4					3.81	18.76		
3	mw-9	4					6.59	19.61		
5	mw-10	4					7.80	18.88		
1	mw-11	4					7.41	18.91		

SHELL WELL MONITORING DATA SHEET

BTS #: 030710-DW-1	Site: 3420 San Pablo Ave Oakland
Sampler: Dave Walter	Date: 7-10-03
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 24.53	Depth to Water (DTW): 5.61
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]: 9.39	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

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

1 Case Volume	Specified Volumes	Calculated Volume
12.3 (Gals.) X	3	= 36.9 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 (uS))	Turbidity (NTUs)	Gals. Removed	Observations
14:35	74.6	7.0	867	62	13	odor
	well	dewatered @ 15 gl.		DTW = 22.5'		
16:04	75.2	7.1	854	7	—	clear

Did well dewater? (Yes) No Gallons actually evacuated: 15

Sampling Date: 7-10-03 Sampling Time: 16:04 Depth to Water: 5.57

Sample I.D.: MW-1 Laboratory: (STL) Other_____

Analyzed for: (TPH-G BTEX MTBE $8260 TPH-D) Other:

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 #: 030710-DW-1	Site: 3420 San Pablo Ave Oakland
Sampler: Dave Walker	Date: 7-10-03
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 19.26	Depth to Water (DTW): 6.16
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]: 9.78	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

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

9.5 (Gals.) X	3	= 25.5 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
1459	70.7	6.9	1001	27	9	clear
	well dewatered @ 10 gl.			DTW =	17.25	
1625	70.4	7.0	1040	18	—	

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

Sampling Date: 7-10-03 Sampling Time: 1625 Depth to Water: 6.48

Sample I.D.: MW-2 Laboratory: (STL) Other_____

Analyzed for: (TPH-G BTEX MTBE 8260 TPH-D) Other:

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 #: 030710-DW-1	Site: 3420 San Pablo Ave Oakland
Sampler: Dave Walters	Date: 7-10-03
Well I.D.: MW-3R	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 28.67	Depth to Water (DTW): 8.20
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]: 12.28	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, X Other Middleburg pump

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

3.3 (Gals.) X 3 = 9.9 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 (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1253	71.4	7.0	654	>200	3.3	Brown
1257	71.6	6.9	636	>200	6.6	
1301	71.5	6.7	630	>200	9.9	

Did well dewater? Yes (No) Gallons actually evacuated: 9.9

Sampling Date: 7-10-03 Sampling Time: 1306 Depth to Water: 10.40

Sample I.D.: MW-3R Laboratory: (STL) Other ____

Analyzed for: (TPH-G BTEX MTBE 8260 TPH-D) Other:

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 #: 030710 DW-1	Site: 3420 San Pablo Ave Oakland
Sampler: Dave Walter	Date: 7-10-03
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 19.20	Depth to Water (DTW): 7.74
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]: 10.03	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra Peristaltic; Extraction Pump; Other_____

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

1 Case Volume	Specified Volumes	Calculated Volume
7.4 (Gals.) X	3	= 22.2 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
1328	71.0	6.6	822	47	8	clear
	well	dewatered @ 8 gl.		DTW = 17.19		
1530	20.7	6.7	1052	49	—	

Did well dewater? (Yes) No Gallons actually evacuated: 8

Sampling Date: 7-10-03 Sampling Time: 1530 Depth to Water: 8.60

Sample I.D.: MW-4 Laboratory: (STL) Other_____

Analyzed for: (TPH-G) BTEX MTBE (8260) TPH-D Other:

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 #: 030710-DW-1	Site: 3920 San Pablo Ave Oakland
Sampler: Dave Walter	Date: 7-10-03
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 24.70	Depth to Water (DTW): 5.68
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]: 9.48	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

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

12.3 (Gals.) X	3	= 36.9 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
14:17	73.0	7.3	681	14	13	odor
	well	dewatered @ 25 gl.		DTW = 22.65		
15:44	70.5	7.6	631	5	—	clear

Did well dewater? (Yes) No Gallons actually evacuated: 25

Sampling Date: 7-10-03 Sampling Time: 15:44 Depth to Water: 11.70

Sample I.D.: MW-5 Laboratory: (STL) Other_____

Analyzed for: (TPH-G BTEX MTBE 8260 TPH-D) Other:

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 #: 030710-DW-1	Site: 3420 San Pablo Ave Oakland
Sampler: Dave Walter	Date: 7-10-03
Well I.D.: MW-6R	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 28.00	Depth to Water (DTW): 8.60
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]: 12.48	

Purge Method: Bailer; X Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other________

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

3.1 (Gals.) X 3 = 9.3 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
1509	70.5	6.8	1036	>200	3.1	≤.01 SPH grey/odor
1514	70.1	6.7	1054	>200	6.2	
1519	69.8	6.7	1087	>200	9.3	

Did well dewater? Yes (No)	Gallons actually evacuated: 9.3
Sampling Date: 7-10-03 Sampling Time: 1522	Depth to Water: 10.63
Sample I.D.: MW-6R	Laboratory: (STL) Other________
Analyzed for: (TPH-G BTEX MTBE 8260) TPH-D	Other:
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 #: 030710-DW-1	Site: 3420 San Pablo Ave Oakland
Sampler: Dave Walters	Date: 7-10-03
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 19.56	Depth to Water (DTW): 4.59
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]: 7.58	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other ____

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

9.1 (Gals.) X	3 =	27.1 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
1442	71.1	7.3	679	28	10	yellowish/tea
well dewatered @ 11				4% ATW = 19.52		
1615	71.4	7.3	726	25	—	yellow

Did well dewater? (Yes) No Gallons actually evacuated: 11

Sampling Date: 7-10-03 Sampling Time: 1615 Depth to Water: 11.85

Sample I.D.: MW-7 Laboratory: (STL) Other ____

Analyzed for: (TPH-G BTEX MTBE 8260 TPH-D) Other:

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 #: 030710-DW-1	Site: 3420 San Pablo Ave Oakland
Sampler: Dave Walters	Date: 7-10-03
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 18.76	Depth to Water (DTW): 5.81
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]: 6.80	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X 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

9.7 (Gals.) X 3 = 29.1 Gals.
1 Case Volume; Specified Volumes; Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1413	72.1	6.8	729	14	10	odor/yellow
	well dewatered @ 14 gl. DTW =				16.70	
1513	69.2	7.0	759	29	—	yellow

Did well dewater? (Yes) No Gallons actually evacuated: 14

Sampling Date: 7-10-03 Sampling Time: 1513 Depth to Water: 14.00

Sample I.D.: MW-8 Laboratory: (STL) Other_____

Analyzed for: (TPH-G BTEX MTBE 8260 TPH-D) Other:

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 #: 030710-DW-1	Site: 3420 San Pablo Ave Oakland
Sampler: Dave Walter	Date: 7-10-03
Well I.D.: MW-9	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 19.61	Depth to Water (DTW): 6.59
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]: 9.19	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

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

1 Case Volume		Specified Volumes		Calculated Volume
8.5 (Gals.)	X	3	=	25.5 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
12:27	68.3	6.6	865	37	9	clear
	well	dewatered @	14 gl			
12:38	68.4	6.6	876	> 200	—	gray

Did well dewater? (Yes) No Gallons actually evacuated: 14

Sampling Date: 7-10-03 Sampling Time: 12:38 Depth to Water: 17.15 (stuck)

Sample I.D.: MW-9 Laboratory: (STL) Other_____

Analyzed for: (TPH-G BTEX MTBE 8260 TPH-D) Other:

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 #: 030710-DW-1	Site: 3420 San Pablo Ave Oakland
Sampler: Dave Walter	Date: 7-10-03
Well I.D.: MW-10	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 18.88	Depth to Water (DTW): 7.80
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]: 10.01	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, X Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other____

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

7.2 (Gals.) X 3 = 21.6 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
13:47	73.3	6.9	1031	14	8	odor
	well dewatered @ 14 gl.					
13:55	69.0	6.9	1191	25	—	

Did well dewater? (Yes) No	Gallons actually evacuated: 14
Sampling Date: 7-10-03 Sampling Time: 13:55	Depth to Water: 16.05 (street)
Sample I.D.: MW-10	Laboratory: (STL) Other____
Analyzed for: (TPH-G BTEX MTBE 8260) TPH-D	Other:
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

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (800) 545-7558

SHELL WELL MONITORING DATA SHEET

BTS #: 030710-DW-1	Site: 3420 San Pablo Ave Oakland
Sampler: Dave Walter	Date: 7-10-03
Well I.D.: MW-11	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD): 18.91	Depth to Water (DTW): 7.41
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]: 7.71	

Purge Method: X Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

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

1 Case Volume	Specified Volumes	Calculated Volume
7.5 (Gals.) X	3	= 22.2 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
11:52	68.7	5.9	982	46	5	cloudy
11:54	WC	11 dewatered @		15 gl.		
12:00	67.2	6.2	758	21	—	

Did well dewater? (Yes) No Gallons actually evacuated: 15

Sampling Date: 7-10-03 Sampling Time: 12:00 Depth to Water: 15.52 (Stressed well)

Sample I.D.: Laboratory: (STL) Other_____

Analyzed for: (TPH-G) (BTEX) (MTBE 8260) (TPH-D) Other:

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