



**Denis L. Brown**

**Shell Oil Products US**

April 11, 2005

HSE – Environmental Services  
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Roseanna Garcia-La Grille  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

Alameda County  
APR 20 2005  
Environmental Health

Re: First Quarter 2005 Monitoring Report  
Former Shell Service Station  
4255 MacArthur Blvd.  
Oakland, California  
SAP Code 135701  
Incident No. 98995758  
ACHCSA # 3769

Dear Ms. Garcia-La Grille:

Attached for your review and comment is a copy of the *First Quarter 2005 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.

If you have any questions or concerns, please call me at (707) 865-0251.

Sincerely,

Denis L. Brown  
Sr. Environmental Engineer

April 11, 2005

Ms. Roseanna Garcia-La Grille  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

Re: **First Quarter 2005 Monitoring Report**  
Former Shell-branded Service Station  
4255 MacArthur Boulevard  
Oakland, California  
Incident #98995758  
Cambria Project #247-0524-002

REC-1  
APR 13 2005  
Environmental Health



Dear Ms. Garcia-La Grille:

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

## HYDROCARBON REMOVAL SUMMARY

**Groundwater Extraction (GWE):** Monthly GWE using a vacuum truck was conducted intermittently at the site from April 1999 until September 2003. Mobile GWE vacuum operations consist of lowering dedicated stingers into selected monitoring wells and extracting fluids using a vacuum truck. The volume of extracted fluid is recorded and used to calculate the quantity of aqueous-phase hydrocarbon removed from the subsurface. To date, an estimated 15.1 pounds of liquid-phase hydrocarbons and 26.8 pounds of liquid-phase methyl tert-butyl ether (MTBE) have been removed from the site. GWE was discontinued at the site after September 2003 due to low pumping volumes.

**Dual Phase Vapor Extraction (DVE):** DVE is the process of applying high vacuum through an airtight well seal to simultaneously extract soil vapors from the vadose zone and enhance GWE from the saturated zone. For mobile DVE, a vacuum truck is used to create the vacuum and contain extracted fluids. Mobile DVE augmented hydrocarbon removal efforts from November 2000 to June 2001, from April 2002 through September 2003, and from July 2003 through September 2003. DVE was discontinued after September 2003 due to decreased mass removal. To date, the system has removed an estimated 26.4 pounds of vapor-phase hydrocarbons.

**Cambria  
Environmental  
Technology, Inc.**

5900 Hollis Street  
Suite A  
Emeryville, CA 94608  
Tel (510) 420-0700  
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**Separate Phase Hydrocarbons (SPH):** SPH were observed periodically in wells MW-2 and MW-3 between 1994 and 1997. During that time, an estimated total of 21.8 pounds of SPH was removed from monitoring wells by manual bailing. SPH were observed in well MW-3 in the third quarter of 2002. During the fourth quarter of 2003 and the first and third quarters of 2004, SPH were observed in wells MW-2 and MW-3.

The table below summarizes the aqueous-, separate-, and vapor-phase hydrocarbon removal data for the site.

Mass Removal	Cumulative MTBE (lbs)	Cumulative Hydrocarbons (lbs)
Aqueous-Phase	26.8	15.1
Vapor-Phase	0.3	26.4
Separate-Phase	0.0	21.8
Total	27.1	63.3



**FIRST QUARTER 2005 ACTIVITIES**

**Groundwater Monitoring:** Blaine Tech Services, Inc. (Blaine) of San Jose, gauged and sampled the site wells, calculated groundwater elevations, and compiled the gasoline constituents 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.

**Joint Groundwater Sampling:** Cambria coordinated joint groundwater sampling with the adjacent ConocoPhillips (COP) service station #1156, located at the corner of High Street and MacArthur Boulevard, and used the coordinated sampling data to determine the groundwater elevation contours shown on Figure 2. Attachment B presents the COP groundwater monitoring data and analytical results tables.

**Additional Oxygenate Analysis:** At Shell’s request, wells sampled during the first quarter 2005 monitoring event were also analyzed for tertiary butyl alcohol (TBA). TBA was detected in samples from wells MW-1, MW-2, MW-3, MW-4 and MW-5 at concentrations of 310 parts per billion (ppb), 21,000 ppb, 3,300 ppb, 8,400 ppb, and 12 ppb, respectively. Analytical results are included as Attachment A.

**Potential Off-Site Source:** MTBE concentrations in upgradient COP wells MW-2 and MW-7 and in Shell's well MW-2 are depicted graphically in Figure 3.

An elevated MTBE concentration was observed in Shell well MW-2 in the second quarter of 2000; however, it declined steadily until the second quarter of 2002. The rebound in MTBE concentrations in Shell well MW-2 during the first three quarters of 2003 might be attributed to the observed upgradient COP MTBE plume. Increasing MTBE concentrations were detected in COP well MW-2 in the third quarter of 2000. Elevated concentrations were subsequently detected downgradient in COP well MW-7 in the fourth quarter of 2001. It is clear from the concentrations observed in COP wells MW-2 and MW-7 that the COP plume has migrated in the direction of the former Shell station and began to influence Shell well MW-2 beginning in the third quarter of 2002. Upon inquiry, COP has informed Shell that they intend to conduct periodic GWE from some of their monitoring wells. Concentrations in all three wells have been either relatively stable or exhibited a general decrease since first quarter 2003.



#### **ANTICIPATED SECOND QUARTER 2005 ACTIVITIES**

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

**Joint Groundwater Sampling:** Cambria will continue to coordinate joint sampling with the adjacent COP site and use the coordinated sampling data to determine groundwater elevation contours.

**Subsurface Investigation:** On May 17, 2004 Cambria submitted a *Subsurface Investigation Work Plan Addendum*, revising the September 22, 2003 work plan to investigate the extent of SPH. In the addendum, Cambria proposed advancing up to 12 soil borings with a cone penetration testing drill rig equipped with an ultraviolet induced fluorescence module to horizontally and vertically delineate the SPH plume in the vicinity of wells MW-2 and MW-3 (Figure 2). Cambria contacted Ms. Donna Drogos by phone in November 2004 to ascertain the review status of this work plan; however, no approval or comment on this work plan has been received to date. Per Shell's request, and in order to ascertain whether additional remediation is feasible and warranted, Cambria will implement the May 17, 2004 work plan addendum during April 2005.

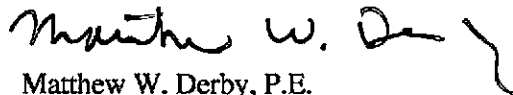
**CLOSING**

We appreciate the opportunity to work with you on this project. Please call David Gibbs at (510) 420-3363 if you have any questions or comments.

Sincerely,  
**Cambria Environmental Technology, Inc**



David Gibbs  
Project Geologist



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

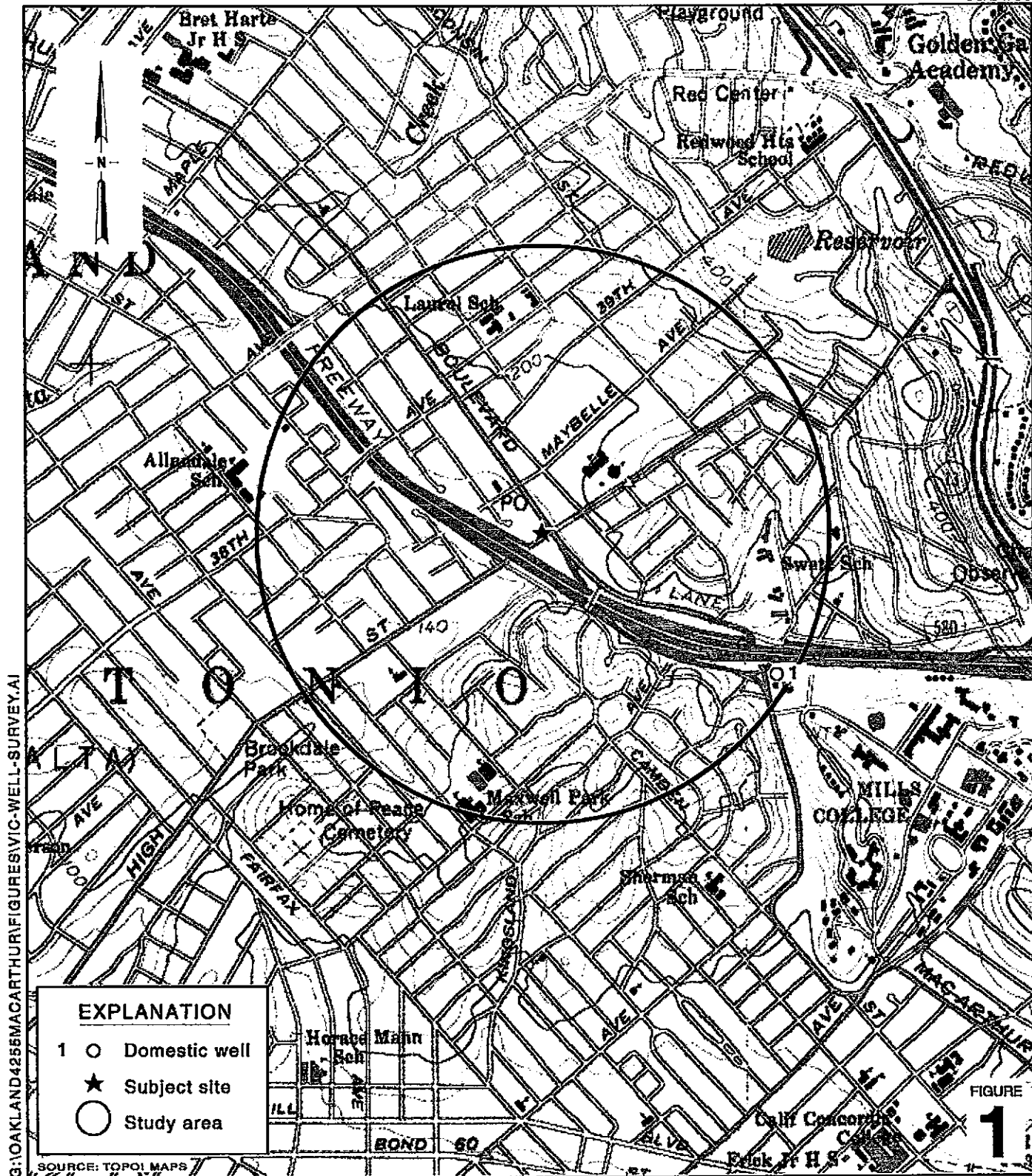


- Figures:    1 - Vicinity/Area Well Survey Map  
              2 - Groundwater Elevation Contour Map  
              3 - MTBE Concentrations – MacArthur and High Streets, Oakland

- Attachments:  A - Blaine Groundwater Monitoring Report and Field Notes  
               B - COP 76 Service Station #1156 – Groundwater Monitoring Data and Analytical Results

- cc:            Denis Brown, Shell Oil Products US, 20945 S. Wilmington Ave., Carson, CA 90810  
               Roland C. Malone, Jr., PO Box 2744, Castro Valley, CA 94546  
               Kenneth Williams, MacArthur/High Trailer Park, c/o Bookkeeping, 332 Peyton Dr., Hayward, CA 94544  
               Thomas H. Kosel, ConocoPhillips Company, 76 Broadway, Sacramento, CA 95818

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**Former Shell-branded Service Station**  
 4255 MacArthur Boulevard  
 Oakland, California  
 Incident #98995758



C A M B R I A

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

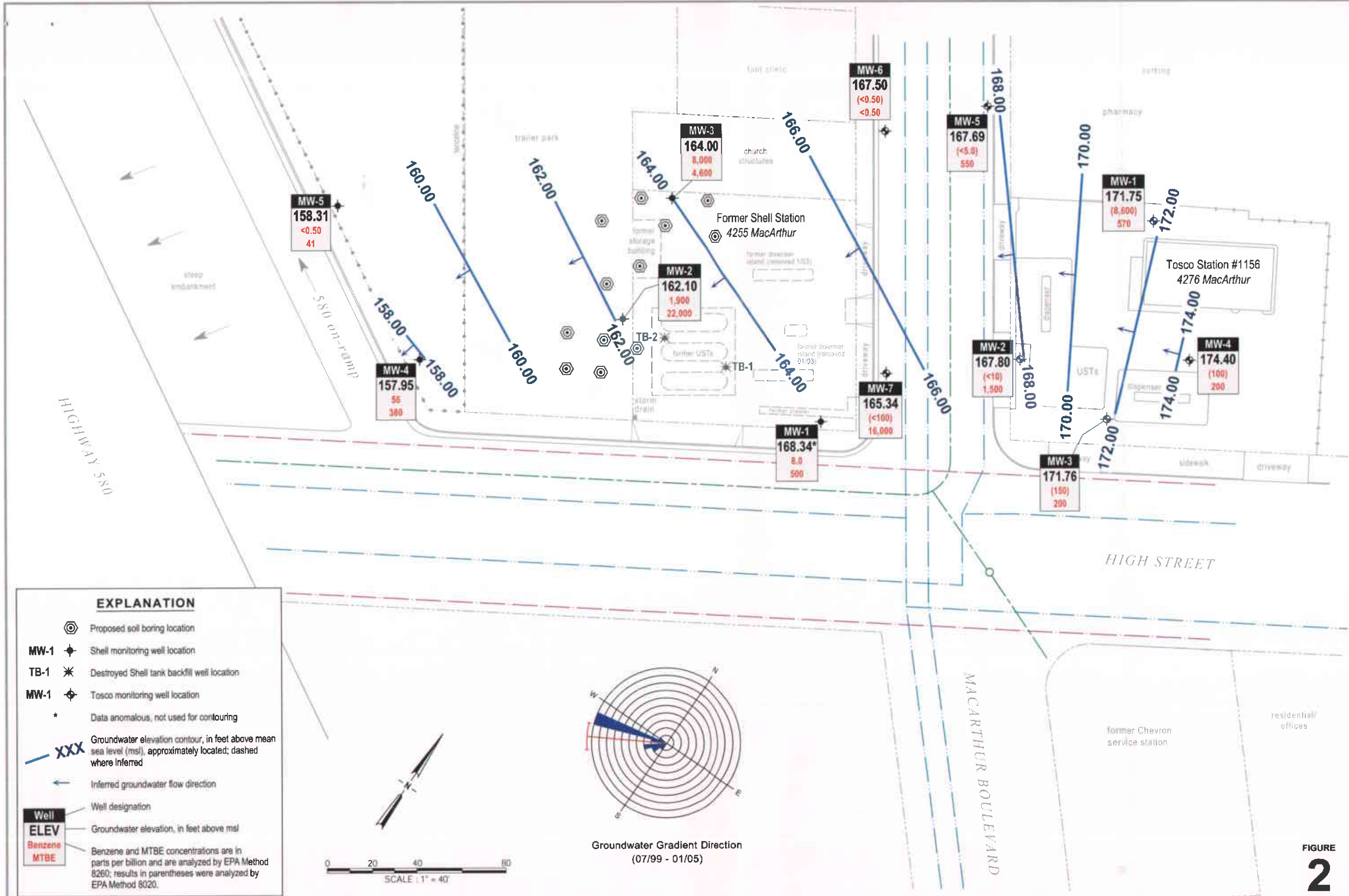
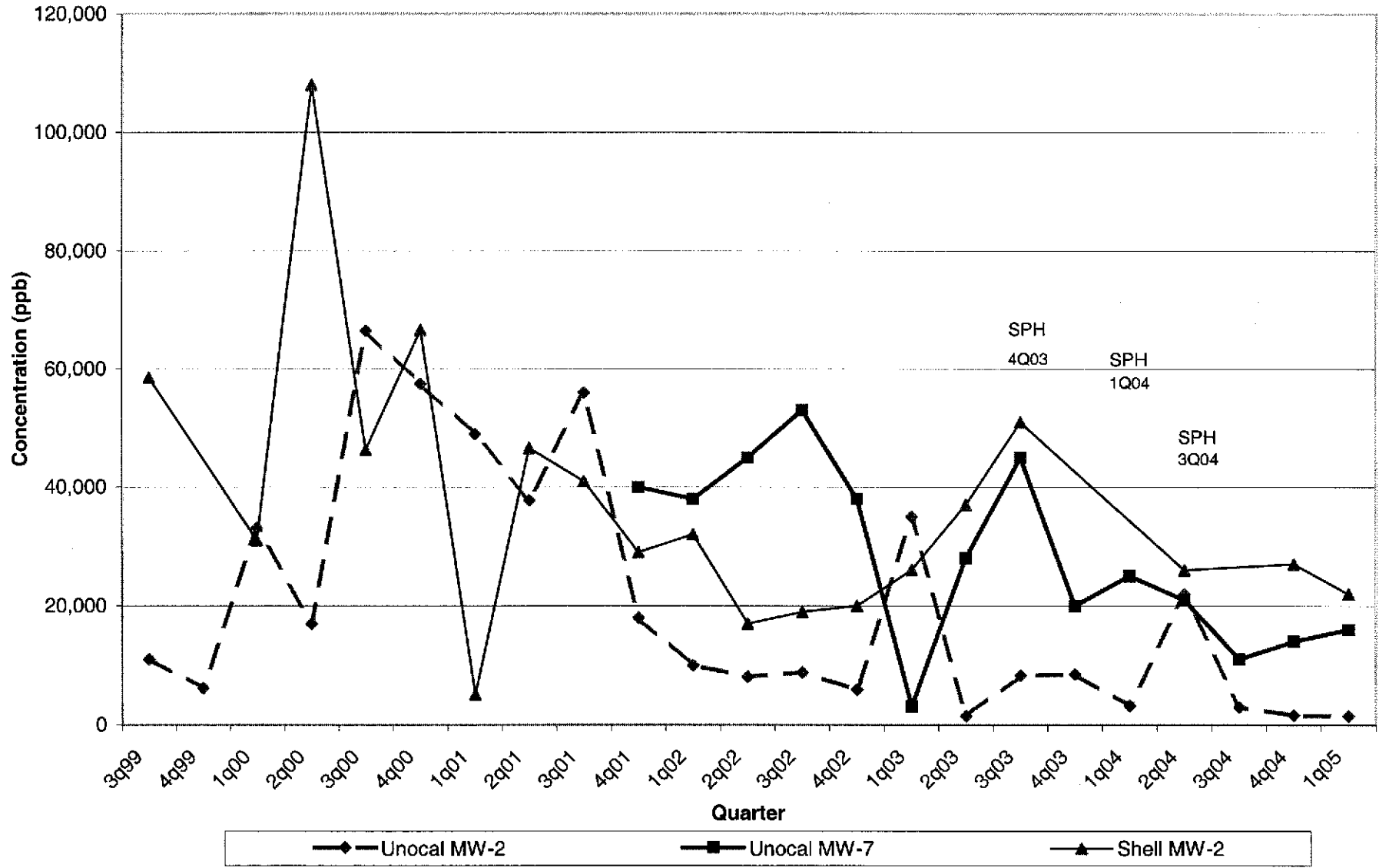


FIGURE 2

**MTBE Concentrations**  
MacArthur & High Streets, Oakland





**ATTACHMENT A**

Blaine Groundwater Monitoring Report  
and Field Notes

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# BLAINE

TECH SERVICES INC.

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GROUNDWATER SAMPLING SPECIALISTS  
SINCE 1985

March 7, 2005

Karen Petryna  
Shell Oil Products US  
20945 South Wilmington Avenue  
Carson, CA 90810

First Quarter 2005 Groundwater Monitoring at  
Shell-branded Service Station  
4255 MacArthur Boulevard  
Oakland, CA

Monitoring performed on January 17, 2005

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## Groundwater Monitoring Report **050117-DW-2**

This report covers the routine monitoring of groundwater wells at this Shell-branded facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight-hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,

Leon Gearhart  
Project Coordinator

LG/ks

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

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

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**4255 MacArthur Boulevard**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)	ORP Reading (mV)
MW-1	11/17/1993	410	21	11	7.9	47	NA	NA	NA	NA	NA	NA	NA	175.79	8.59	NA	167.20	NA	NA	NA
MW-1	01/20/1994	1,200	180	19	48	47	NA	NA	NA	NA	NA	NA	NA	175.79	8.22	NA	167.57	NA	NA	NA
MW-1	04/25/1994	3,100	610	<10	130	27	NA	NA	NA	NA	NA	NA	NA	175.79	7.63	NA	168.16	NA	NA	NA
MW-1	07/07/1994	2,400	1,000	10	250	20	NA	NA	NA	NA	NA	NA	NA	175.79	8.31	NA	167.48	NA	NA	NA
MW-1	10/27/1994	2,200	500	3.1	72	1.8	NA	NA	NA	NA	NA	NA	NA	175.79	8.84	NA	166.95	NA	NA	NA
MW-1	11/17/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	175.79	7.60	NA	168.19	NA	NA	NA
MW-1	11/28/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	175.79	7.56	NA	168.23	NA	NA	NA
MW-1	01/13/1995	570	75	2.5	6.7	11	NA	NA	NA	NA	NA	NA	NA	175.79	7.11	NA	168.68	NA	NA	NA
MW-1	04/12/1995	1,800	480	<5.0	79	<5.0	NA	NA	NA	NA	NA	NA	NA	175.79	7.08	NA	168.71	NA	NA	NA
MW-1	07/25/1995	120	15	1.1	2.1	2.9	NA	NA	NA	NA	NA	NA	NA	175.79	7.73	NA	168.06	NA	NA	NA
MW-1 (D)	07/25/1995	300	88	2.4	11	6.5	NA	NA	NA	NA	NA	NA	NA	175.79	7.73	NA	168.06	NA	NA	NA
MW-1	10/18/1995	130	9.5	0.8	1.3	1.7	NA	NA	NA	NA	NA	NA	NA	175.79	8.42	NA	167.37	NA	NA	NA
MW-1 (D)	10/18/1995	120	11	0.8	1.4	1.8	NA	NA	NA	NA	NA	NA	NA	175.79	8.42	NA	167.37	NA	NA	NA
MW-1	01/17/1996	250	22	0.9	1.6	2.3	NA	NA	NA	NA	NA	NA	NA	175.79	7.83	NA	167.96	NA	NA	NA
MW-1	04/25/1996	<50	4.6	<0.5	<0.5	0.6	500b	NA	NA	NA	NA	NA	NA	175.79	7.35	NA	168.44	NA	NA	NA
MW-1	07/17/1996	<250	15	<2.5	<2.5	<2.5	540	NA	NA	NA	NA	NA	NA	175.79	7.70	NA	168.09	NA	NA	NA
MW-1	10/01/1996	1,200	500	12	57	82	1,900	NA	NA	NA	NA	NA	NA	175.79	8.07	NA	167.72	NA	NA	NA
MW-1	01/22/1997	640	170	4.3	33	33	1,200	NA	NA	NA	NA	NA	NA	175.79	7.21	NA	168.58	NA	NA	NA
MW-1	04/08/1997	<200	34	<2.0	3.3	4.3	950	NA	NA	NA	NA	NA	NA	175.79	7.75	NA	168.04	NA	NA	NA
MW-1 (D)	04/08/1997	<200	66	<2.0	6.4	8	740	NA	NA	NA	NA	NA	NA	175.79	7.75	NA	168.04	NA	NA	NA
MW-1	07/08/1997	190	49	1.2	5.8	8.6	560	NA	NA	NA	NA	NA	NA	175.79	8.01	NA	167.78	NA	NA	NA
MW-1	10/08/1997	<100	7	<1.0	<1.0	<1.0	620	NA	NA	NA	NA	NA	NA	175.79	8.10	NA	167.69	NA	NA	NA
MW-1	01/09/1998	970	390	12	48	71	1,200	NA	NA	NA	NA	NA	NA	175.79	7.14	NA	168.65	NA	NA	NA
MW-1	04/13/1998	<50	136	<0.50	1.5	1.8	170	NA	NA	NA	NA	NA	NA	175.79	6.78	NA	169.01	NA	NA	NA
MW-1	07/17/1998	2,500	750	11	88	67	150	NA	NA	NA	NA	NA	NA	175.79	7.28	NA	168.51	NA	NA	NA
MW-1	10/02/1998	8,000	970	36	270	440	35	NA	NA	NA	NA	NA	NA	175.79	7.77	NA	168.02	NA	NA	NA
MW-1	02/03/1999	210	56	0.82	<0.50	3.2	220	NA	NA	NA	NA	NA	NA	175.79	7.45	NA	168.34	NA	1.4	NA
MW-1	04/29/1999	<50	4.5	<0.50	0.56	<0.50	140	196	NA	NA	NA	NA	NA	175.79	7.58	NA	168.21	NA	1.2	140
MW-1	07/23/1999	<50.0	<0.500	<0.500	<0.500	<0.500	120	111*	NA	NA	NA	NA	NA	175.79	8.51	NA	167.28	NA	1.0	NA
MW-1	11/01/1999	<50.0	<0.500	<0.500	<0.500	<0.500	2.90	NA	NA	NA	NA	NA	NA	175.79	8.30	NA	167.49	NA	1.4	-71
MW-1	01/17/2000	<50	<0.50	<0.50	<0.50	<0.50	3.30	NA	NA	NA	NA	NA	NA	175.79	8.04	NA	167.75	NA	16.9	64
MW-1	04/17/2000	<50.0	1.08	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	175.79	8.00	NA	167.79	NA	1.8	112
MW-1	07/26/2000	125	54.3	2.16	5.45	9.86	33.1	NA	NA	NA	NA	NA	NA	175.79	7.52	NA	168.27	NA	13.2	-140

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**4255 MacArthur Boulevard**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)	ORP Reading (mV)
MW-1	10/12/2000	101	40.7	2.68	3.00	5.18	25.0	NA	NA	NA	NA	NA	NA	175.79	7.71	NA	168.08	NA	>20	534
MW-1	01/15/2001	<50.0	0.633	<0.500	0.505	1.74	<2.50	NA	NA	NA	NA	NA	NA	175.79	7.33	NA	168.46	NA	16.9	-127
MW-1	04/09/2001	<50.0	<0.500	<0.500	<0.500	0.927	<2.50	NA	NA	NA	NA	NA	NA	175.79	7.68	NA	168.11	NA	12.8	-117
MW-1	07/24/2001	<50	4.0	0.65	0.53	1.3	NA	<5.0	NA	NA	NA	NA	NA	175.79	8.00	NA	167.79	NA	>20	43
MW-1	10/31/2001	<50	4.4	<0.50	<0.50	0.98	NA	<5.0	NA	NA	NA	NA	NA	175.79	7.94	NA	167.85	NA	13.6	123
MW-1	01/10/2002	<50	2.2	<0.50	<0.50	1.2	NA	6.1	NA	NA	NA	NA	NA	175.79	7.63	NA	168.16	NA	0.1	63
MW-1	04/25/2002	<50	2.0	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	175.79	7.76	NA	168.03	NA	0.3	54
MW-1	07/18/2002	<50	6.1	<0.50	<0.50	0.98	NA	<5.0	NA	NA	NA	NA	NA	175.79	8.29	NA	167.50	NA	1.1	32
MW-1	10/07/2002	500	17	14	11	60	NA	9.0	NA	NA	NA	NA	NA	175.76	8.34	NA	167.42	NA	2.8	-26
MW-1	01/06/2003	<50	12	<0.50	0.73	0.58	NA	14	NA	NA	NA	NA	NA	175.76	7.18	NA	168.58	NA	0.5	-22
MW-1	04/07/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	12	NA	NA	NA	<5.0	NA	175.76	7.75	NA	168.01	NA	0.7	-24
MW-1	07/07/2003	<50	6.6	<0.50	<0.50	<1.0	NA	8.1	NA	NA	NA	<5.0	NA	175.76	7.75	NA	168.01	NA	0.5	16
MW-1	10/09/2003	<50	1.9	<0.50	<0.50	<1.0	NA	22	NA	NA	NA	<5.0	NA	175.76	8.45	NA	167.31	NA	0.7	80
MW-1	01/14/2004	<100	19	<1.0	<1.0	<2.0	NA	180	NA	NA	NA	63	NA	175.76	7.45	NA	168.31	NA	0.8	242
MW-1	04/28/2004	<50	2.1	<0.50	<0.50	<1.0	NA	110	NA	NA	NA	33	NA	175.76	8.25	NA	167.51	NA	0.5	64
MW-1	07/12/2004	<50	2.5	<0.50	<0.50	<1.0	NA	120	<2.0	<2.0	<2.0	26	<50	175.76	6.20	NA	169.56	NA	0.5	72
MW-1	10/25/2004	<500	<5.0	<5.0	<5.0	<10	NA	550	NA	NA	NA	240	NA	175.76	7.98	NA	167.78	NA	3.15	-72
MW-1	01/17/2005	<250	8.0	<2.5	<2.5	<5.0	NA	500	NA	NA	NA	310	NA	175.76	7.42	NA	168.34	NA	0.2	9
MW-2	11/17/1993	31,000	9,400	4,600	1,000	3,900	NA	NA	NA	NA	NA	NA	NA	170.91	12.31	NA	158.60	NA	NA	NA
MW-2	01/20/1994	40,000	6,900	5,600	780	4,100	NA	NA	NA	NA	NA	NA	NA	170.91	11.48	NA	159.43	NA	NA	NA
MW-2 (D)	01/20/1994	41,000	7,200	6,200	900	4,800	NA	NA	NA	NA	NA	NA	NA	170.91	11.48	NA	159.43	NA	NA	NA
MW-2	04/25/1994	60,000	9,300	6,100	1,400	6,200	NA	NA	NA	NA	NA	NA	NA	170.91	10.84	NA	160.07	NA	NA	NA
MW-2	07/07/1994	280,000a	40,000	26,000	8,100	32,000	NA	NA	NA	NA	NA	NA	NA	170.91	11.89	NA	159.02	NA	NA	NA
MW-2 (D)	07/07/1994	53,000	13,000	6,600	2,000	8,400	NA	NA	NA	NA	NA	NA	NA	170.91	11.89	NA	159.02	NA	NA	NA
MW-2	10/27/1994	130,000	14,000	12,000	2,400	13,000	NA	NA	NA	NA	NA	NA	NA	170.91	12.89	NA	158.02	NA	NA	NA
MW-2 (D)	10/27/1994	390,000	8,800	7,000	1,700	11,000	NA	NA	NA	NA	NA	NA	NA	170.91	12.89	NA	158.02	NA	NA	NA
MW-2	11/17/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	9.11	NA	161.80	NA	NA	NA
MW-2	11/28/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	9.22	NA	161.69	NA	NA	NA
MW-2	01/13/1995	75,000	5,900	12,000	3,100	17,000	NA	NA	NA	NA	NA	NA	NA	170.91	8.10	NA	162.81	NA	NA	NA
MW-2	04/12/1995	100,000	8,500	11,000	2,400	12,000	NA	NA	NA	NA	NA	NA	NA	170.91	10.12	NA	160.79	NA	NA	NA
MW-2 (D)	04/12/1995	80,000	4,200	9,300	2,500	12,000	NA	NA	NA	NA	NA	NA	NA	170.91	10.12	NA	160.79	NA	NA	NA
MW-2	07/25/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	11.53	NA	159.80	0.52	NA	NA
MW-2	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	14.02	NA	156.99	0.13	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**4255 MacArthur Boulevard**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)	ORP Reading (mV)
MW-2	01/17/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	10.27	NA	160.78	0.17	NA	NA
MW-2	04/25/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	11.68	NA	159.25	0.03	NA	NA
MW-2	07/17/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	12.78	NA	158.81	0.48	NA	NA
MW-2	10/01/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	14.21	NA	156.70	0.28	NA	NA
MW-2	01/22/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	10.92	NA	160.08	0.11	NA	NA
MW-2	04/08/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	14.12	NA	156.95	0.20	NA	NA
MW-2	07/08/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	14.98	NA	156.08	0.19	NA	NA
MW-2	10/08/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	12.97	NA	157.98	0.05	NA	NA
MW-2	01/08/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	12.54	NA	158.43	0.08	NA	NA
MW-2	04/13/1998	180,000	2,800	5,200	2,400	13,000	71,000	NA	NA	NA	NA	NA	NA	170.91	10.05	NA	160.86	NA	NA	NA
MW-2	07/17/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	11.75	NA	159.24	0.10	NA	NA
MW-2	10/02/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	16.78	NA	154.22	0.11	NA	NA
MW-2	02/03/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	9.90	9.82	161.07	0.08	NA	NA
MW-2	04/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	9.86	9.81	161.09	0.05	NA	NA
MW-2	07/23/1999	65,800	6,500	4,480	1,960	8,960	46,600	58,500*	NA	NA	NA	NA	NA	170.91	14.45	NA	156.46	NA	1.4	NA
MW-2	11/01/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	11.84	11.81	159.09	0.03	NA	NA
MW-2	01/17/2000	46,000	6,000	2,400	1,500	5,500	50,000	31,000	NA	NA	NA	NA	NA	170.91	11.00	NA	159.91	NA	1.3	-54
MW-2	04/17/2000	96,300	8,150	10,200	2,820	14,900	112,000	108,000	NA	NA	NA	NA	NA	170.91	11.06	NA	159.85	NA	2.6	125
MW-2	07/26/2000	72,400	8,680	5,620	2,810	13,400	66,200	46,300	NA	NA	NA	NA	NA	170.91	12.82	NA	158.09	NA	2.2	113
MW-2	10/12/2000	63,200	5,840	4,180	2,310	11,100	61,200	66,600	NA	NA	NA	NA	NA	170.91	11.32	NA	159.59	NA	0.4	55
MW-2	01/15/2001	59,700	2,630	4,800	2,050	11,500	44,400	5,080	NA	NA	NA	NA	NA	170.91	10.19	NA	160.72	NA	1.1	-22
MW-2	04/09/2001	56,900	1,860	2,550	1,810	9,720	40,000	46,600	NA	NA	NA	NA	NA	170.91	11.15	NA	159.76	NA	1.0	-55
MW-2	07/24/2001	84,000	3,000	4,600	2,500	13,000	NA	41,000	NA	NA	NA	NA	NA	170.91	11.67	NA	159.24	NA	0.2	53
MW-2	10/31/2001	45,000	2,200	3,000	1,500	7,700	NA	29,000	<50	<50	<50	51,000	<500	170.91	11.04	NA	159.87	NA	1.2	-17
MW-2	01/10/2002	28,000	840	740	760	3,300	NA	32,000	NA	NA	NA	NA	NA	170.91	9.58	NA	161.33	NA	2.1	-76
MW-2	04/25/2002	41,000	1,900	2,000	1,200	6,900	NA	17,000	NA	NA	NA	NA	NA	170.91	11.40	NA	159.51	NA	0.8	-95
MW-2	07/18/2002	87,000	2,000	2,200	1,400	10,000	NA	19,000	NA	NA	NA	NA	NA	170.91	12.68	NA	158.23	NA	0.7	-34
MW-2	10/07/2002	110,000	3,900	6,700	2,700	15,000	NA	20,000	NA	NA	NA	NA	NA	170.88	11.58	NA	159.30	NA	1.4	-52
MW-2	01/06/2003	65,000	2,400	3,500	1,400	8,600	NA	26,000	NA	NA	NA	NA	NA	170.88	9.09	NA	161.79	NA	0.4	40
MW-2	04/07/2003	57,000	1,900	2,500	1,700	8,600	NA	37,000	NA	NA	NA	34,000	NA	170.88	11.08	NA	159.80	NA	1.0	60
MW-2	07/07/2003	34,000	4,000	4,200	1,600	8,500	NA	51,000	NA	NA	NA	44,000	NA	170.88	11.27	NA	159.61	NA	1.3	-17
MW-2	10/09/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.88	11.64	11.61	159.26	0.03	NA	NA
MW-2	10/20/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.88	11.88	11.84	159.03	0.04	NA	NA
MW-2	01/14/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.88	10.96	10.95	159.93	0.01	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**4255 MacArthur Boulevard**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)	ORP Reading (mV)
MW-2	04/28/2004	35,000	2,200	2,200	2,300	8,200	NA	26,000	NA	NA	NA	28,000	NA	170.88	11.05	NA	159.83	NA	0.1	-96
MW-2	07/12/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.88	12.12	12.09	158.78	0.03	NA	NA
MW-2	10/25/2004	60,000	2,900	2,300	2,300	7,600	NA	27,000	NA	NA	NA	26,000	NA	170.88	11.23	NA	159.65	NA	1.62	-69
MW-2	01/17/2005	62,000	1,900	1,800	1,800	5,700	NA	22,000	NA	NA	NA	21,000	NA	170.88	8.78	NA	162.10	NA	0.8	-102
MW-3	11/17/1993	18,000	5,400	660	720	2,200	NA	NA	NA	NA	NA	NA	NA	174.61	15.40	NA	159.21	NA	NA	NA
MW-3	01/20/1994	55,000	13,000	2,600	2,200	6,500	NA	NA	NA	NA	NA	NA	NA	174.61	14.61	NA	160.00	NA	NA	NA
MW-3	04/25/1994	96,000	11,000	1,600	3,100	9,900	NA	NA	NA	NA	NA	NA	NA	174.61	13.12	NA	161.49	NA	NA	NA
MW-3 (D)	04/25/1994	78,000	12,000	1,900	2,600	7,300	NA	NA	NA	NA	NA	NA	NA	174.61	13.12	NA	161.49	NA	NA	NA
MW-3	07/07/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.61	14.54	NA	160.07	0.02	NA	NA
MW-3	10/27/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.61	15.62	NA	159.03	0.05	NA	NA
MW-3	11/17/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.61	13.83	NA	160.78	NA	NA	NA
MW-3	11/28/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.61	14.02	NA	160.59	NA	NA	NA
MW-3	01/13/1995	180,000	3,200	2,700	1,700	5,200	NA	NA	NA	NA	NA	NA	NA	174.61	12.13	NA	162.48	NA	NA	NA
MW-3 (D)	01/13/1995	23,000	4,000	690	960	3,000	NA	NA	NA	NA	NA	NA	NA	174.61	12.13	NA	162.48	NA	NA	NA
MW-3	04/12/1995	56,000	8,700	1,500	2,100	6,300	NA	NA	NA	NA	NA	NA	NA	174.61	12.96	NA	161.65	NA	NA	NA
MW-3	07/25/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.61	14.28	NA	160.38	0.06	NA	NA
MW-3	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.61	15.88	NA	158.77	0.05	NA	NA
MW-3	01/17/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.61	13.86	NA	160.94	0.24	NA	NA
MW-3	04/25/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.61	13.82	NA	160.81	0.02	NA	NA
MW-3	07/17/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.61	16.11	NA	158.52	0.03	NA	NA
MW-3	10/01/1996	46,000	7,300	530	1,700	3,900	3,200	NA	NA	NA	NA	NA	NA	174.61	16.56	NA	158.05	NA	NA	NA
MW-3 (D)	10/01/1996	47,000	7,100	530	1,700	4,000	2,900	NA	NA	NA	NA	NA	NA	174.61	16.56	NA	158.05	NA	NA	NA
MW-3	01/22/1997	82,000	5,200	1,300	2,800	8,900	1,100	NA	NA	NA	NA	NA	NA	174.61	13.07	NA	161.54	NA	NA	NA
MW-3 (D)	01/22/1997	61,000	8,400	1,100	2,300	7,000	2,700	NA	NA	NA	NA	NA	NA	174.61	13.07	NA	161.54	NA	NA	NA
MW-3	04/08/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.61	17.09	NA	157.54	0.03	NA	NA
MW-3	07/08/1997	56,000	8,800	580	2,000	4,900	2,800	NA	NA	NA	NA	NA	NA	174.61	15.85	NA	158.76	NA	NA	NA
MW-3	10/08/1997	48,000	8,000	590	1,700	3,400	5,100	NA	NA	NA	NA	NA	NA	174.61	16.22	NA	158.39	NA	NA	NA
MW-3	01/08/1998	47,000	9,400	810	2,300	4,700	6,300	NA	NA	NA	NA	NA	NA	174.61	13.80	NA	160.81	NA	NA	NA
MW-3 (D)	01/08/1998	48,000	8,100	750	2,000	4,100	5,800	NA	NA	NA	NA	NA	NA	174.61	13.80	NA	160.81	NA	NA	NA
MW-3	04/13/1998	32,000	6,800	540	1,400	3,400	4,000	NA	NA	NA	NA	NA	NA	174.61	12.97	NA	161.64	NA	NA	NA
MW-3 (D)	04/13/1998	36,000	7,300	660	1,600	3,700	4,000	NA	NA	NA	NA	NA	NA	174.61	12.97	NA	161.64	NA	NA	NA
MW-3	07/17/1998	71,000	11,000	590	2,200	6,900	3,900	NA	NA	NA	NA	NA	NA	174.61	11.51	NA	163.10	NA	NA	NA
MW-3 (D)	07/17/1998	76,000	12,000	700	2,600	8,000	3,000	NA	NA	NA	NA	NA	NA	174.61	11.51	NA	163.10	NA	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**4255 MacArthur Boulevard**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)	ORP Reading (mV)
MW-3	10/02/1998	66,000	8,900	510	2,000	4,900	4,600	NA	NA	NA	NA	NA	NA	174.61	16.50	NA	158.11	NA	NA	NA
MW-3 (D)	10/02/1998	59,000	9,400	460	2,000	4,900	4,700	NA	NA	NA	NA	NA	NA	174.61	16.50	NA	158.11	NA	NA	NA
MW-3	02/03/1999	36,000	6,800	300	1,600	2,900	18,000	NA	NA	NA	NA	NA	NA	174.61	15.21	NA	159.40	NA	1.3	NA
MW-3	04/29/1999	45,000	8,100	580	2,200	5,800	4,700	5,150	NA	NA	NA	NA	NA	174.61	15.43	NA	159.18	NA	1.5	-68
MW-3	07/23/1999	29,400	3,540	215	810	3,800	4,720	6,950*	NA	NA	NA	NA	NA	174.61	14.95	NA	159.66	NA	1.3	NA
MW-3	11/01/1999	20,000	4,190	294	1,060	1,740	5,540	8,590	NA	NA	NA	NA	NA	174.61	14.66	NA	159.95	NA	0.6	-110
MW-3	01/17/2000	17,000	3,900	89	1,100	1,200	7,900	NA	NA	NA	NA	NA	NA	174.61	13.94	NA	160.67	NA	1.3	-40
MW-3	04/17/2000	28,100	5,240	247	1,540	2,750	16,600	NA	NA	NA	NA	NA	NA	174.61	14.00	NA	160.61	NA	1.1	-86
MW-3	07/26/2000	24,300	6,680	159	1,610	1,640	17,100	NA	NA	NA	NA	NA	NA	174.61	13.72	NA	160.89	NA	0.9	-70
MW-3	10/12/2000	14,300	2,630	86.7	241	1,360	16,300	NA	NA	NA	NA	NA	NA	174.61	14.15	NA	160.46	NA	0.9	50
MW-3	01/15/2001	22,100	4,400	266	977	2,990	13,200	NA	NA	NA	NA	NA	NA	174.61	13.05	NA	161.56	NA	1.3	-40
MW-3	04/09/2001	33,800	7,100	147	1,700	2,660	13,000	NA	NA	NA	NA	NA	NA	174.61	13.59	NA	161.02	NA	0.6	-56
MW-3	07/24/2001	220,000	5,600	1,900	4,400	19,000	NA	12,000	NA	NA	NA	NA	NA	174.61	14.43	NA	160.18	NA	0.4	29
MW-3	10/31/2001	65,000	2,700	510	1,800	7,200	NA	9,800	<20	<20	<20	5,200	<500	174.61	14.59	NA	160.02	NA	0.9	-27
MW-3	01/10/2002	66,000	2,400	490	1,700	6,600	NA	5,500	NA	NA	NA	NA	NA	174.61	12.65	NA	161.96	NA	1.7	-76
MW-3	04/25/2002	55,000	4,600	460	2,400	6,900	NA	8,100	NA	NA	NA	NA	NA	174.61	14.13	NA	160.48	NA	1.2	-96
MW-3	07/18/2002	56,000	3,300	270	1,700	5,000	NA	8,400	NA	NA	NA	NA	NA	174.61	15.48	15.45	159.15	0.03	0.8	-41
MW-3	10/07/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.59	14.60	14.40	160.15	0.20	NA	NA
MW-3	01/06/2003	57,000	3,200	330	1,800	5,400	NA	5,100	NA	NA	NA	NA	NA	174.59	11.62	11.60	162.99	0.02	0.4	33
MW-3	04/07/2003	57,000	6,200	500	2,400	6,700	NA	8,200	NA	NA	NA	3,900	NA	174.59	13.80	NA	160.79	NA	0.5	61
MW-3	07/07/2003	28,000	4,900	300	1,500	4,100	NA	7,900	NA	NA	NA	4,700	NA	174.59	14.00	NA	160.59	NA	1.0	-11
MW-3	10/09/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.59	14.44	14.36	160.21	0.08	NA	NA
MW-3	10/20/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.59	14.68	14.61	159.97	0.07	NA	NA
MW-3	01/14/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.59	12.47	12.45	162.14	0.02	NA	NA
MW-3	04/28/2004	32,000	7,300	190	2,100	4,300	NA	3,700	NA	NA	NA	2,500	NA	174.59	13.66	NA	160.93	NA	0.1	-16
MW-3	07/12/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.59	14.87	14.83	159.75	0.04	NA	NA
MW-3	10/25/2004	49,000	5,100	61	1,800	3,600	NA	5,400	NA	NA	NA	2,700	NA	174.59	14.12	NA	160.47	NA	2.70	-59
MW-3	01/17/2005	57,000	8,000	190	2,000	4,000	NA	4,600	NA	NA	NA	3,300	NA	174.59	10.59	NA	164.00	NA	0.2	-18
MW-4	11/17/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	164.06	6.62	NA	157.44	NA	NA	NA
MW-4	11/28/1994	2,900	200	17	76	260	NA	NA	NA	NA	NA	NA	NA	164.06	6.11	NA	157.95	NA	NA	NA
MW-4	01/13/1995	1,900	130	5.6	13	40	NA	NA	NA	NA	NA	NA	NA	164.06	6.05	NA	158.01	NA	NA	NA
MW-4	04/12/1995	680	150	<2.0	10	13	NA	NA	NA	NA	NA	NA	NA	164.06	6.31	NA	157.75	NA	NA	NA
MW-4	07/25/1995	340	100	0.8	8.8	3	NA	NA	NA	NA	NA	NA	NA	164.06	7.36	NA	156.70	NA	NA	NA



**WELL CONCENTRATIONS**  
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**4255 MacArthur Boulevard**  
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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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)	ORP Reading (mV)
MW-3	10/02/1998	66,000	8,900	510	2,000	4,900	4,600	NA	NA	NA	NA	NA	NA	174.61	16.50	NA	158.11	NA	NA	NA
MW-3 (D)	10/02/1998	59,000	9,400	460	2,000	4,900	4,700	NA	NA	NA	NA	NA	NA	174.61	16.50	NA	158.11	NA	NA	NA
MW-3	02/03/1999	36,000	6,800	300	1,600	2,900	18,000	NA	NA	NA	NA	NA	NA	174.61	15.21	NA	159.40	NA	1.3	NA
MW-3	04/29/1999	45,000	8,100	580	2,200	5,800	4,700	5,150	NA	NA	NA	NA	NA	174.61	15.43	NA	159.18	NA	1.5	-68
MW-3	07/23/1999	29,400	3,540	215	810	3,800	4,720	6,950*	NA	NA	NA	NA	NA	174.61	14.95	NA	159.66	NA	1.3	NA
MW-3	11/01/1999	20,000	4,190	294	1,060	1,740	5,540	8,590	NA	NA	NA	NA	NA	174.61	14.66	NA	159.95	NA	0.6	-110
MW-3	01/17/2000	17,000	3,900	89	1,100	1,200	7,900	NA	NA	NA	NA	NA	NA	174.61	13.94	NA	160.67	NA	1.3	-40
MW-3	04/17/2000	28,100	5,240	247	1,540	2,750	16,600	NA	NA	NA	NA	NA	NA	174.61	14.00	NA	160.61	NA	1.1	-86
MW-3	07/26/2000	24,300	6,680	159	1,610	1,640	17,100	NA	NA	NA	NA	NA	NA	174.61	13.72	NA	160.89	NA	0.9	-70
MW-3	10/12/2000	14,300	2,630	86.7	241	1,360	16,300	NA	NA	NA	NA	NA	NA	174.61	14.15	NA	160.46	NA	0.9	50
MW-3	01/15/2001	22,100	4,400	266	977	2,990	13,200	NA	NA	NA	NA	NA	NA	174.61	13.05	NA	161.56	NA	1.3	-40
MW-3	04/09/2001	33,800	7,100	147	1,700	2,660	13,000	NA	NA	NA	NA	NA	NA	174.61	13.59	NA	161.02	NA	0.6	-56
MW-3	07/24/2001	220,000	5,600	1,900	4,400	19,000	NA	12,000	NA	NA	NA	NA	NA	174.61	14.43	NA	160.18	NA	0.4	29
MW-3	10/31/2001	65,000	2,700	510	1,800	7,200	NA	9,800	<20	<20	<20	5,200	<500	174.61	14.59	NA	160.02	NA	0.9	-27
MW-3	01/10/2002	66,000	2,400	490	1,700	6,600	NA	5,500	NA	NA	NA	NA	NA	174.61	12.65	NA	161.96	NA	1.7	-76
MW-3	04/25/2002	55,000	4,600	460	2,400	6,900	NA	8,100	NA	NA	NA	NA	NA	174.61	14.13	NA	160.48	NA	1.2	-96
MW-3	07/18/2002	56,000	3,300	270	1,700	5,000	NA	8,400	NA	NA	NA	NA	NA	174.61	15.48	15.45	159.15	0.03	0.8	-41
MW-3	10/07/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.59	14.60	14.40	160.15	0.20	NA	NA
MW-3	01/06/2003	57,000	3,200	330	1,800	5,400	NA	5,100	NA	NA	NA	NA	NA	174.59	11.62	11.60	162.99	0.02	0.4	33
MW-3	04/07/2003	57,000	6,200	500	2,400	6,700	NA	8,200	NA	NA	NA	3,900	NA	174.59	13.80	NA	160.79	NA	0.5	61
MW-3	07/07/2003	28,000	4,900	300	1,500	4,100	NA	7,900	NA	NA	NA	4,700	NA	174.59	14.00	NA	160.59	NA	1.0	-11
MW-3	10/09/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.59	14.44	14.36	160.21	0.08	NA	NA
MW-3	10/20/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.59	14.68	14.61	159.97	0.07	NA	NA
MW-3	01/14/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.59	12.47	12.45	162.14	0.02	NA	NA
MW-3	04/28/2004	32,000	7,300	190	2,100	4,300	NA	3,700	NA	NA	NA	2,500	NA	174.59	13.66	NA	160.93	NA	0.1	-16
MW-3	07/12/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.59	14.87	14.83	159.75	0.04	NA	NA
MW-3	10/25/2004	49,000	5,100	61	1,800	3,600	NA	5,400	NA	NA	NA	2,700	NA	174.59	14.12	NA	160.47	NA	2.70	-59
MW-3	01/17/2005	57,000	8,000	190	2,000	4,000	NA	4,600	NA	NA	NA	3,300	NA	174.59	10.59	NA	164.00	NA	0.2	-18
MW-4	11/17/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	164.06	6.62	NA	157.44	NA	NA	NA
MW-4	11/28/1994	2,900	200	17	76	260	NA	NA	NA	NA	NA	NA	NA	164.06	6.11	NA	157.95	NA	NA	NA
MW-4	01/13/1995	1,900	130	5.6	13	40	NA	NA	NA	NA	NA	NA	NA	164.06	6.05	NA	158.01	NA	NA	NA
MW-4	04/12/1995	680	150	<2.0	10	13	NA	NA	NA	NA	NA	NA	NA	164.06	6.31	NA	157.75	NA	NA	NA
MW-4	07/25/1995	340	100	0.8	8.8	3	NA	NA	NA	NA	NA	NA	NA	164.06	7.36	NA	156.70	NA	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**4255 MacArthur Boulevard**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)	ORP Reading (mV)
MW-4	10/18/1995	150	31	<0.5	3.5	0.8	NA	NA	NA	NA	NA	NA	NA	164.06	8.54	NA	155.52	NA	NA	NA
MW-4	01/17/1996	290	14	<0.5	1.8	0.8	NA	NA	NA	NA	NA	NA	NA	164.06	8.48	NA	155.58	NA	NA	NA
MW-4	04/25/1996	<500	65	<5	<5	<5	1,700	NA	NA	NA	NA	NA	NA	164.06	7.40	NA	156.66	NA	NA	NA
MW-4 (D)	04/25/1996	<500	66	<5	8.7	<5	1,500	NA	NA	NA	NA	NA	NA	164.06	7.40	NA	156.66	NA	NA	NA
MW-4	07/17/1996	<500	84	<5.0	6.5	<5.0	1,500	NA	NA	NA	NA	NA	NA	164.06	7.75	NA	156.31	NA	NA	NA
MW-4 (D)	07/17/1996	<500	54	<5.0	<5.0	<5.0	1,700	2,100	NA	NA	NA	NA	NA	164.06	7.75	NA	156.31	NA	NA	NA
MW-4	10/01/1996	<500	1.9	<5.0	<5.0	<5.0	3,000	NA	NA	NA	NA	NA	NA	164.06	8.82	NA	155.24	NA	NA	NA
MW-4	01/22/1997	580	130	<2.5	18	5.2	1,200	NA	NA	NA	NA	NA	NA	164.06	7.51	NA	156.55	NA	NA	NA
MW-4	04/08/1997	770	200	7	26	55	1,500	8	NA	NA	NA	NA	NA	164.06	7.18	NA	156.88	NA	NA	NA
MW-4	07/08/1997	570	78	<5.0	14	11	1,200	NA	NA	NA	NA	NA	NA	164.06	9.00	NA	155.06	NA	NA	NA
MW-4 (D)	07/08/1997	640	81	<5.0	16	19	1,600	NA	NA	NA	NA	NA	NA	164.06	9.00	NA	155.06	NA	NA	NA
MW-4	10/08/1997	<500	40	<5.0	7.4	5.4	1,400	NA	NA	NA	NA	NA	NA	164.06	8.97	NA	155.09	NA	NA	NA
MW-4 (D)	10/08/1997	<500	36	<5.0	5.9	<5.0	1,400	NA	NA	NA	NA	NA	NA	164.06	8.97	NA	155.09	NA	NA	NA
MW-4	01/08/1998	<1,000	55	<10	13	<10	2,000	NA	NA	NA	NA	NA	NA	164.06	7.90	NA	156.16	NA	NA	NA
MW-4	04/13/1998	350	110	2.4	20	26	<2.5	NA	NA	NA	NA	NA	NA	164.06	7.35	NA	156.71	NA	NA	NA
MW-4	07/17/1998	210	66	0.78	5.4	9.8	1,700	NA	NA	NA	NA	NA	NA	164.06	6.95	NA	157.11	NA	NA	NA
MW-4	10/02/1998	<50	0.69	<0.50	<0.50	<0.50	2,900	NA	NA	NA	NA	NA	NA	164.06	7.35	NA	156.71	NA	NA	NA
MW-4	02/03/1999	560	120	2.5	29	34	6,800	NA	NA	NA	NA	NA	NA	164.06	7.71	NA	156.35	NA	0.9	NA
MW-4	04/29/1999	390	80	1.9	13	19	7,000	8,360	NA	NA	NA	NA	NA	164.06	7.83	NA	156.23	NA	1.1	-125
MW-4	07/23/1999	460	93.6	8.40	25.2	28.8	3,760	6,000*	NA	NA	NA	NA	NA	164.06	11.33	NA	152.73	NA	0.9	NA
MW-4	11/01/1999	77.3	0.520	<0.500	<0.500	<0.500	539	NA	NA	NA	NA	NA	NA	164.06	10.66	NA	153.40	NA	2.8	3
MW-4	01/17/2000	160	27	<0.50	12	6.3	12,000	NA	NA	NA	NA	NA	NA	164.06	10.15	NA	153.91	NA	3.9	-17
MW-4	04/17/2000	<500	26	6.38	9.35	10.4	9,070	NA	NA	NA	NA	NA	NA	164.06	10.10	NA	153.96	NA	1.7	-129
MW-4	07/26/2000	<500	22.7	<5.00	7.59	6.96	7,660	NA	NA	NA	NA	NA	NA	164.06	10.09	NA	153.97	NA	1.4	-137
MW-4	10/12/2000	172	19.8	<0.500	7.47	4.50	8,290	NA	NA	NA	NA	NA	NA	164.06	9.35	NA	154.71	NA	3.5	529
MW-4	01/15/2001	53.6	1.50	<0.500	2.45	1.80	9,260	NA	NA	NA	NA	NA	NA	164.06	8.77	NA	155.29	NA	2.3	53
MW-4	04/09/2001	<500	<5.00	<5.00	<5.00	5.52	10,300	NA	NA	NA	NA	NA	NA	164.06	7.75	NA	156.31	NA	1.0	-133
MW-4	07/24/2001	58	3.8	<0.50	3.2	2.9	NA	1,700	NA	NA	NA	NA	NA	164.06	10.07	NA	153.99	NA	0.5	106
MW-4	10/31/2001	<1,000	<10	<10	<10	<10	NA	7,400	NA	NA	NA	NA	NA	164.06	9.97	NA	154.09	NA	0.8	22
MW-4	01/10/2002	<2,000	<20	<20	<20	<20	NA	12,000	NA	NA	NA	NA	NA	164.06	8.53	NA	155.53	NA	8.9	224
MW-4	04/25/2002	<2,000	<20	<20	<20	<20	NA	7,900	NA	NA	NA	NA	NA	164.06	7.33	NA	156.73	NA	3.6	-84
MW-4	07/18/2002	<2,000	<20	<20	<20	<20	NA	7,200	NA	NA	NA	NA	NA	164.06	9.05	NA	155.01	NA	1.7	120
MW-4	10/07/2002	<1,000	<10	<10	<10	<10	NA	3,300	NA	NA	NA	NA	NA	164.03	9.06	NA	154.97	NA	2.5	33
MW-4	01/06/2003	<500	21	<5.0	<5.0	<5.0	NA	2,500	NA	NA	NA	NA	NA	164.03	7.09	NA	156.94	NA	0.5	55

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**4255 MacArthur Boulevard**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)	ORP Reading (mV)
MW-4	04/07/2003	<2,500	<25	<25	<25	<50	NA	1,700	NA	NA	NA	5,900	NA	164.03	8.26	NA	155.77	NA	1.2	69
MW-4	07/07/2003	<2,500	<25	<25	<25	<50	NA	860	NA	NA	NA	6,900	NA	164.03	8.92	NA	155.11	NA	0.5	-3
MW-4	10/09/2003	<500	<5.0	<5.0	<5.0	<10	NA	420	NA	NA	NA	6,700	NA	164.03	8.91	NA	155.12	NA	0.7	171
MW-4	01/14/2004	<1,000	24	<10	<10	<20	NA	500	NA	NA	NA	7,200	NA	164.03	8.34	NA	155.69	NA	1.2	140
MW-4	04/28/2004	<500	6.0	<5.0	<5.0	<10	NA	310	NA	NA	NA	5,200	NA	164.03	7.55	NA	156.48	NA	0.4	69
MW-4	07/12/2004	<500	11	<5.0	7.8	<10	NA	370	<20	<20	<20	5,900	<500	164.03	8.12	NA	155.91	NA	0.5	142
MW-4	10/25/2004	<500	<5.0	<5.0	5.6	<10	NA	280	NA	NA	NA	4,300	NA	164.03	7.85	NA	156.18	NA	1.90	-70
MW-4	01/17/2005	<1,000	56	<10	10	<20	NA	380	NA	NA	NA	8,400	NA	164.03	6.08	NA	157.95	NA	0.4	6
MW-5	01/04/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.62	NA	NA	NA	NA	NA
MW-5	01/10/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	110	NA	NA	NA	NA	NA	164.06	5.88	NA	158.18	NA	3.3	172
MW-5	04/25/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	73	NA	NA	NA	NA	NA	164.06	6.81	NA	157.25	NA	0.3	-44
MW-5	07/18/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	75	NA	NA	NA	NA	NA	164.06	7.38	NA	156.68	NA	0.4	170
MW-5	10/07/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	41	NA	NA	NA	NA	NA	164.14	6.75	NA	157.39	NA	1.5	16
MW-5	01/06/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	81	NA	NA	NA	NA	NA	164.14	5.96	NA	158.18	NA	0.6	166
MW-5	04/07/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	77	NA	NA	NA	28	NA	164.14	6.51	NA	157.63	NA	0.8	174
MW-5	07/07/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	32	NA	NA	NA	23	NA	164.14	6.44	NA	157.70	NA	0.3	-17
MW-5	10/09/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	59	NA	NA	NA	40	NA	164.14	7.05	NA	157.09	NA	0.9	17
MW-5	01/14/2004	<50	<0.50	0.76	<0.50	<1.0	NA	47	NA	NA	NA	17	NA	164.14	6.29	NA	157.85	NA	1.6	209
MW-5	04/28/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	31	NA	NA	NA	11	NA	164.14	6.84	NA	157.30	NA	0.4	136
MW-5	07/12/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	47	<2.0	<2.0	<2.0	12	<50	164.14	7.57	NA	156.57	NA	0.4	90
MW-5	10/25/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	41	NA	NA	NA	13	NA	164.14	6.50	NA	157.64	NA	1.74	-21
MW-5	01/17/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	41	NA	NA	NA	12	NA	164.14	5.83	NA	158.31	NA	0.1	-7
TB-1	04/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.00	NA	NA	NA	3.8	-132
TB-1	11/01/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.65	NA	NA	NA	0.2	-165
TB-1	01/17/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.72	NA	NA	NA	0.8	-178
TB-1	04/17/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.65	NA	NA	NA	0.5	-152
TB-1	07/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.13	NA	NA	NA	1.0	-124
TB-1	10/12/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.20	NA	NA	NA	0.7	-73
TB-1	01/15/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.09	NA	NA	NA	1.2	-118
TB-1	04/09/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.96	NA	NA	NA	1.0	-72
TB-1	07/24/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.03	NA	NA	NA	1.4	31
TB-1	10/31/2001	1,000	85	<10	<10	42	NA	4,100	NA	NA	NA	NA	NA	NA	5.89	NA	NA	NA	1.8	88

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**4255 MacArthur Boulevard**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)	ORP Reading (mV)
TB-1	01/10/2002	5,000	410	390	65	620	NA	9,000	NA	NA	NA	NA	NA	NA	7.47	NA	NA	NA	2.0	95
TB-1	04/25/2002	5,000	780	60	49	91	NA	6,000	NA	NA	NA	NA	NA	NA	11.71	NA	NA	NA	1.7	-136
TB-1	07/18/2002	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.50	NA	NA	NA	NA	NA
TB-1	10/07/2002	4,600	480	36	98	200	NA	4,000	NA	NA	NA	NA	NA	NA	12.95	NA	NA	NA	1.6	-48
TB-1	01/06/2003	130	30	<0.50	<0.50	0.78	NA	330	NA	NA	NA	NA	NA	NA	5.56	NA	NA	NA	0.4	-20
TB-2	04/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.76	NA	NA	NA	4.2	-108
TB-2	11/01/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.33	NA	NA	NA	0.5	-148
TB-2	01/17/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.79	NA	NA	NA	0.7	-162
TB-2	04/17/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.75	NA	NA	NA	0.9	-121
TB-2	07/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.73	NA	NA	NA	0.9	-85
TB-2	10/12/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.05	NA	NA	NA	0.6	-47
TB-2	01/15/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.87	NA	NA	NA	0.7	-91
TB-2	04/09/2001	46,600	1,240	1,310	1,110	12,100	31,300	NA	NA	NA	NA	NA	NA	NA	3.76	NA	NA	NA	0.8	-24
TB-2	07/24/2001	11,000	630	<25	310	200	NA	11,000	NA	NA	NA	NA	NA	NA	4.75	NA	NA	NA	0.4	-51
TB-2	10/31/2001	7,500	530	1,500	100	500	NA	2,500	NA	NA	NA	NA	NA	NA	4.24	NA	NA	NA	0.6	-7
TB-2	01/10/2002	<5,000	480	47	34	110	NA	12,000	NA	NA	NA	NA	NA	NA	6.26	NA	NA	NA	1.3	-81
TB-2	04/25/2002	4,700	470	140	<20	80	NA	7,400	NA	NA	NA	NA	NA	NA	11.78	NA	NA	NA	0.9	-107
TB-2	07/18/2002	7,500	630	650	<25	390	NA	44,000	NA	NA	NA	NA	NA	NA	12.34	NA	NA	NA	0.9	-67
TB-2	10/07/2002	<10,000	580	<100	<100	180	NA	30,000	NA	NA	NA	NA	NA	NA	11.62	NA	NA	NA	1.0	-41
TB-2	01/06/2003	120	4.8	<0.50	<0.50	2.0	NA	220	NA	NA	NA	NA	NA	NA	4.35	NA	NA	NA	0.5	-515

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**4255 MacArthur Boulevard**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)	ORP Reading (mV)
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Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to July 24, 2001, analyzed by EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to July 24, 2001, analyzed by EPA Method 8020.

MTBE = Methyl tertiary butyl ether

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

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

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

TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260

TOC = Top of Casing Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

ug/L = Parts per billion

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

(D) = Duplicate sample

NA = Not applicable

DO = Dissolved Oxygens

ppm = Parts per million

ORP = Oxidation Reduction Potential

mV = Millivolts

Notes:

a = Ground water surface had a sheen when sampled.

b = MTBE value is estimated by Sequoia Analytical of Redwood City, CA.

\* = Sample analyzed outside the EPA recommended holding time.

Ethanol analyzed by EPA Method 8260B.

Site surveyed March 14, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

When separate-phase hydrocarbons are present, ground water elevation is adjusted using the relation: Corrected ground water elevation = Top-of-Casing Elevation - Depth to Water + (0.8 x Hydrocarbon Thickness).

**Blaine Tech Services, Inc.**

February 01, 2005

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Attn.: Leon Gearhart  
Project#: 050117-DW-2  
Project: 98995758  
Site: 4255 MacArthur Boulevard, Oakland

Dear Mr. Gearhart,

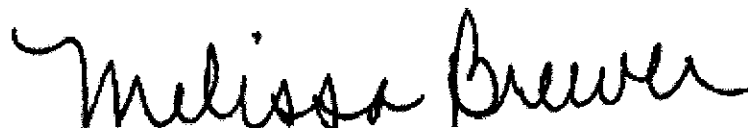
Attached is our report for your samples received on 01/18/2005 15:03  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after  
03/04/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,

You can also contact me via email. My email address is: [mbrewer@stl-inc.com](mailto:mbrewer@stl-inc.com)

Sincerely,



Melissa Brewer  
Project Manager

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 050117-DW-2

98995758

Received: 01/18/2005 15:03

Site: 4255 MacArthur Boulevard, Oakland

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-1	01/17/2005 12:50	Water	1
MW-2	01/17/2005 12:35	Water	2
MW-3	01/17/2005 13:00	Water	3
MW-4	01/17/2005 11:03	Water	4
MW-5	01/17/2005 11:30	Water	5

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

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

Project: 050117-DW-2

98995758

Received: 01/18/2005 15:03

Site: 4255 MacArthur Boulevard, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-1	Lab ID: 2005-01-0499 - 1
Sampled: 01/17/2005 12:50	Extracted: 1/25/2005 23:22
Matrix: Water	QC Batch#: 2005/01/25-2C.64
Analysis Flag: L2 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	250	ug/L	5.00	01/25/2005 23:22	
Benzene	8.0	2.5	ug/L	5.00	01/25/2005 23:22	
Toluene	ND	2.5	ug/L	5.00	01/25/2005 23:22	
Ethylbenzene	ND	2.5	ug/L	5.00	01/25/2005 23:22	
Total xylenes	ND	5.0	ug/L	5.00	01/25/2005 23:22	
tert-Butyl alcohol (TBA)	310	25	ug/L	5.00	01/25/2005 23:22	
Methyl tert-butyl ether (MTBE)	500	2.5	ug/L	5.00	01/25/2005 23:22	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	108.6	73-130	%	5.00	01/25/2005 23:22	
Toluene-d8	106.5	81-114	%	5.00	01/25/2005 23:22	



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

Blaine Tech Services, Inc.

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

 Project: 050117-DW-2  
 98995758

Received: 01/18/2005 15:03

Site: 4255 MacArthur Boulevard, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>MW-2</b>	Lab ID: 2005-01-0499 - 2
Sampled: 01/17/2005 12:35	Extracted: 1/24/2005 21:30
Matrix: Water	QC Batch#: 2005/01/24-2B.69
Analysis Flag: L2 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	62000	25000	ug/L	500.00	01/24/2005 21:30	
Benzene	1900	250	ug/L	500.00	01/24/2005 21:30	
Toluene	1800	250	ug/L	500.00	01/24/2005 21:30	
Ethylbenzene	1800	250	ug/L	500.00	01/24/2005 21:30	
Total xylenes	5700	500	ug/L	500.00	01/24/2005 21:30	
tert-Butyl alcohol (TBA)	21000	2500	ug/L	500.00	01/24/2005 21:30	
Methyl tert-butyl ether (MTBE)	22000	250	ug/L	500.00	01/24/2005 21:30	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	116.3	73-130	%	500.00	01/24/2005 21:30	
Toluene-d8	103.6	81-114	%	500.00	01/24/2005 21:30	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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San Jose, CA 95112-1105

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

Project: 050117-DW-2

98995758

Received: 01/18/2005 15:03

Site: 4255 MacArthur Boulevard, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-3	Lab ID: 2005-01-0499 - 3
Sampled: 01/17/2005 13:00	Extracted: 1/24/2005 21:48
Matrix: Water	QC Batch#: 2005/01/24-2B.69

Analysis Flag: L2 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	57000	5000	ug/L	100.00	01/24/2005 21:48	
Benzene	8000	50	ug/L	100.00	01/24/2005 21:48	
Toluene	190	50	ug/L	100.00	01/24/2005 21:48	
Ethylbenzene	2000	50	ug/L	100.00	01/24/2005 21:48	
Total xylenes	4000	100	ug/L	100.00	01/24/2005 21:48	
tert-Butyl alcohol (TBA)	3300	500	ug/L	100.00	01/24/2005 21:48	
Methyl tert-butyl ether (MTBE)	4600	50	ug/L	100.00	01/24/2005 21:48	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	113.3	73-130	%	100.00	01/24/2005 21:48	
Toluene-d8	103.7	81-114	%	100.00	01/24/2005 21:48	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

 Project: 050117-DW-2  
 98995758

Received: 01/18/2005 15:03

Site: 4255 MacArthur Boulevard, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-4	Lab ID:	2005-01-0499 - 4
Sampled:	01/17/2005 11:03	Extracted:	1/25/2005 23:44
Matrix:	Water	QC Batch#:	2005/01/25-2C.64
Analysis Flag: L2 ( See Legend and Note Section )			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1000	ug/L	20.00	01/25/2005 23:44	
Benzene	56	10	ug/L	20.00	01/25/2005 23:44	
Toluene	ND	10	ug/L	20.00	01/25/2005 23:44	
Ethylbenzene	10	10	ug/L	20.00	01/25/2005 23:44	
Total xylenes	ND	20	ug/L	20.00	01/25/2005 23:44	
tert-Butyl alcohol (TBA)	8400	100	ug/L	20.00	01/25/2005 23:44	
Methyl tert-butyl ether (MTBE)	380	10	ug/L	20.00	01/25/2005 23:44	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	105.5	73-130	%	20.00	01/25/2005 23:44	
Toluene-d8	103.8	81-114	%	20.00	01/25/2005 23:44	

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

Blaine Tech Services, Inc.

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San Jose, CA 95112-1105

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

Project: 050117-DW-2

98995758

Received: 01/18/2005 15:03

Site: 4255 MacArthur Boulevard, Oakland

Prep(s): 5030B

Test(s): 8260B

Sample ID: MW-5

Lab ID: 2005-01-0499 - 5

Sampled: 01/17/2005 11:30

Extracted: 1/24/2005 22:26

Matrix: Water

QC Batch#: 2005/01/24-2B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	01/24/2005 22:26	
Benzene	ND	0.50	ug/L	1.00	01/24/2005 22:26	
Toluene	ND	0.50	ug/L	1.00	01/24/2005 22:26	
Ethylbenzene	ND	0.50	ug/L	1.00	01/24/2005 22:26	
Total xylenes	ND	1.0	ug/L	1.00	01/24/2005 22:26	
tert-Butyl alcohol (TBA)	12	5.0	ug/L	1.00	01/24/2005 22:26	
Methyl tert-butyl ether (MTBE)	41	0.50	ug/L	1.00	01/24/2005 22:26	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	112.4	73-130	%	1.00	01/24/2005 22:26	
Toluene-d8	108.0	81-114	%	1.00	01/24/2005 22:26	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 050117-DW-2  
98995758

Received: 01/18/2005 15:03

Site: 4255 MacArthur Boulevard, Oakland

**Batch QC Report**

Prep(s): 5030B

**Method Blank**

MB: 2005/01/24-2B.69-027

**Water**

Test(s): 8260B

**QC Batch # 2005/01/24-2B.69**

Date Extracted: 01/24/2005 19:27

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	01/24/2005 19:27	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	01/24/2005 19:27	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	01/24/2005 19:27	
Benzene	ND	0.5	ug/L	01/24/2005 19:27	
Toluene	ND	0.5	ug/L	01/24/2005 19:27	
Ethylbenzene	ND	0.5	ug/L	01/24/2005 19:27	
Total xylenes	ND	1.0	ug/L	01/24/2005 19:27	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	95.4	73-130	%	01/24/2005 19:27	
Toluene-d8	88.8	81-114	%	01/24/2005 19:27	

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

Blaine Tech Services, Inc.

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Project: 050117-DW-2  
98995758

Received: 01/18/2005 15:03

Site: 4255 MacArthur Boulevard, Oakland

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2005/01/25-2C.64-009

Water

Test(s): 8260B

QC Batch # 2005/01/25-2C.64

Date Extracted: 01/25/2005 18:09

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	01/25/2005 18:09	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	01/25/2005 18:09	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	01/25/2005 18:09	
Benzene	ND	0.5	ug/L	01/25/2005 18:09	
Toluene	ND	0.5	ug/L	01/25/2005 18:09	
Ethylbenzene	ND	0.5	ug/L	01/25/2005 18:09	
Total xylenes	ND	1.0	ug/L	01/25/2005 18:09	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	95.4	73-130	%	01/25/2005 18:09	
Toluene-d8	99.6	81-114	%	01/25/2005 18:09	

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

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Project: 050117-DW-2  
98995758

Received: 01/18/2005 15:03

Site: 4255 MacArthur Boulevard, Oakland

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2005/01/24-2B.69**

LCS 2005/01/24-2B.69-034  
LCSD

Extracted: 01/24/2005

Analyzed: 01/24/2005 18:34

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	24.7		25	98.8			65-165	20		
Benzene	26.8		25	107.2			69-129	20		
Toluene	26.3		25	105.2			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	444		500	88.8			73-130			
Toluene-d8	495		500	99.0			81-114			

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

02/01/2005 11:49

Page 9 of 13

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 050117-DW-2

98995758

Received: 01/18/2005 15:03

Site: 4255 MacArthur Boulevard, Oakland

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2005/01/25-2C.64**

LCS: 2005/01/25-2C.64-047

Extracted: 01/25/2005

Analyzed: 01/25/2005 17:47

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	20.3		25	81.2			65-165	20		
Benzene	22.4		25	89.6			69-129	20		
Toluene	22.9		25	91.6			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	473		500	94.6			73-130			
Toluene-d8	548		500	109.6			81-114			



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

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

Project: 050117-DW-2

98995758

Received: 01/18/2005 15:03

Site: 4255 MacArthur Boulevard, Oakland

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2005/01/24-2B.69**

MS/MSD

Lab ID: 2005-01-0498 - 001

MS: 2005/01/24-2B.69-015

Extracted: 01/24/2005

Analyzed: 01/24/2005 20:15

Dilution: 1.00

MSD: 2005/01/24-2B.69-031

Extracted: 01/24/2005

Analyzed: 01/24/2005 20:34

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	30.0	25.5	ND	25	120.0	102.0	16.2	65-165	20		
Benzene	30.3	26.1	ND	25	121.2	104.4	14.9	69-129	20		
Toluene	31.8	27.7	ND	25	127.2	110.8	13.8	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	497	504		500	99.4	100.8		73-130			
Toluene-d8	528	535		500	105.6	107.0		81-114			

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

Blaine Tech Services, Inc.

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

Project: 050117-DW-2  
98995758

Received: 01/18/2005 15:03

Site: 4255 MacArthur Boulevard, Oakland

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2005/01/25-2C.64**

MS/MSD

Lab ID: 2005-01-0501 - 012

MS: 2005/01/25-2C.64-049

Extracted: 01/25/2005

Analyzed: 01/25/2005 20:49

Dilution: 1.00

MSD: 2005/01/25-2C.64-011

Extracted: 01/25/2005

Analyzed: 01/25/2005 21:11

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	24.6	27.4	6.64	25	71.8	83.0	14.5	65-165	20		
Benzene	22.3	26.4	ND	25	89.2	105.6	16.8	69-129	20		
Toluene	20.1	24.4	ND	25	80.4	97.6	19.3	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	501	513		500	100.2	102.6		73-130			
Toluene-d8	482	537		500	96.4	107.4		81-114			

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

Blaine Tech Services, Inc.

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

Project: 050117-DW-2

98995758

Received: 01/18/2005 15:03

Site: 4255 MacArthur Boulevard, Oakland

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**Legend and Notes**

---

**Analysis Flag**

L2

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

Lab Identification (if necessary)

Address

City, State, Zip

Shell Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT HOUSTON

Karen Petryna

2005-01-0499

INCIDENT NUMBER (SAE ONLY)

9 8 9 9 5 7 5 8

SAP or CRMT NUMBER (TS/CRMT)

DATE 1-17-05

PAGE 1 of 1

<b>Slaine Tech Services</b> 1680 Rogers Avenue, San Jose, CA 95112 Leon Gearhart 408-573-0555 408-573-7771 lgearhart@slainetech.com		USER CODE: <b>BTSS</b> SITE ADDRESS (Street and City): <b>4255 MacArthur Boulevard, Oakland</b> CONTACT NAME (Name): <b>Anni Kreml</b> (510)420-3335 CONTACT EMAIL (Email): <b>ShelliOaklandIEDF@cambrla-env.com</b>	GLOBAL ID NO.: <b>T0600101261</b> CONSULTANT PROJECT#: <b>050117-00-2</b> BTS #
--	--	---	--

TURNAROUND TIME (BUSINESS DAYS):  
 30 DAYS  5 DAYS  22 HOURS  48 HOURS  24 HOURS  LESS THAN 24 HOURS

LA - HYDRO-REPORT FORMAT  UST AGENCY: \_\_\_\_\_

GCMS MTBE CONFIRMATION: HIGHEST \_\_\_\_\_ HIGHEST per BORING \_\_\_\_\_ ALL \_\_\_\_\_

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

REQUESTED ANALYSIS

TPH - Gas, Purgeable	BTEX	MTBE (9021B - 5ppb RL)	MTBE (8280B - 0.5ppb RL)	Oxyaromatics (57 by (8280B))	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EOB (8260B)	T&A	TPH - Diesel, Extractable (8015ml)	Total Alkalinity	Ferrous Iron	Nitrate as Nitrate	Sulfate	MTBE (8280B) Confirmation, See Note
X	X	X							X						
X	X	X							X						
X	X	X							X						
X	X	X							X						

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

200

TEMPERATURE ON RECEIPT: \_\_\_\_\_

Requested by (Signature): <i>David C. Stolt</i> Date: 1/18/05	Received by (Signature): <i>[Signature]</i> Date: 1/18/05	Requested by (Signature): <i>[Signature]</i> Date: 1/18/05	Received by (Signature): <i>[Signature]</i> Date: 1/18/05
---	---	--	---

CRMT REGISTRATION: White - Initial report, Green to File, Yellow and Pink to Client


3016-30 Rev 4/04

CRMT Control: 174155-9732

## WELL GAUGING DATA

Project # 050117-0w-2 Date 1-17-05 Client Shell

Site 4255 MacArthur Blvd 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 <u>TOC</u>
mw-1	4					7.42	23.30	
mw-2	4	odor/sheen				8.78	19.71	
mw-3	4	odor				10.59	21.94	
mw-4	2					6.08	30.65	
mw-5	2					5.83	20.00	

### SHELL WELL MONITORING DATA SHEET

BTS #: <u>050117-DW-2</u>	Site: <u>4255 MacArthur Blvd</u>
Sampler: <u>DW</u>	Date: <u>1-17-05</u>
Well I.D.: <u>MW-1</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth (TD): <u>23.30</u>	Depth to Water (DTW): <u>7.42</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YES</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>10.59</u>	

Purge Method:  Bailer                       Waterra                      Sampling Method:  Bailer  
                    Disposable Bailer                       Peristaltic                       Disposable Bailer  
                    Positive Air Displacement                       Extraction Pump                       Extraction Port  
                    Electric Submersible                      Other \_\_\_\_\_                       Dedicated Tubing

$\frac{10.3 \text{ (Gals.)} \times 3}{1 \text{ Case Volume Specified Volumes}} = \frac{30.9 \text{ Gals.}}{\text{Calculated Volume}}$	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
12:00	65.0	6.8	1023	6	10.3	
	well dewatered @ 15 gals			DTW = 21.40		
12:50	66.1	7.0	1038	6	-	

Did well dewater?  Yes     No                      Gallons actually evacuated: 15

Sampling Date: 1-17-05    Sampling Time: 12:50    Depth to Water: 14.30 (site dep)

Sample I.D.: MW-1                      Laboratory: STL    Other \_\_\_\_\_

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

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): <input checked="" type="checkbox"/> Pre-purge	0.2	mg/L	Post-purge:	mg/L
O.R.P. (if req'd): <input checked="" type="checkbox"/> Pre-purge	9	mV	Post-purge:	mV

## SHELL WELL MONITORING DATA SHEET

BTS #: <u>050117-DW-2</u>	Site: <u>4255 MacArthur Blvd</u>
Sampler: <u>DW</u>	Date: <u>1-17-05</u>
Well I.D.: <u>MW-2</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth (TD): <u>19.71</u>	Depth to Water (DTW): <u>8.78</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSD</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>10.96</u>	

Purge Method: Bailer  Disposable Bailer  Positive Air Displacement  Electric Submersible  Waterria Peristaltic  Extraction Pump  Other \_\_\_\_\_

Sampling Method:  Bailer Disposable Bailer  Extraction Port  Dedicated Tubing Other: \_\_\_\_\_

$\frac{7.1 \text{ (Gals.)} \times 3}{\text{Specified Volumes}} = 21.3 \text{ Gals.}$ <p style="font-size: small; margin: 0;">I Case Volume      Specified Volumes      Calculated Volume</p>	<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond (mS or <u>µS</u> )	Turbidity (NTUs)	Gals. Removed	Observations
No SPH detected, thin film on IP when pulled from well						
12:20	68.2	6.6	931	48	7.1	odor
12:22	68.4	6.6	923	>200	14.2	"
well dewatered @ 15 gals DTWz					17.80	
12:35	67.6	6.6	909	29	-	sheen
Did well dewater? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			Gallons actually evacuated: <u>15</u>			
Sampling Date: <u>1-17-05</u>		Sampling Time: <u>12:35</u>		Depth to Water: <u>9.05</u>		
Sample I.D.: <u>MW-2</u>			Laboratory: <u>STL</u> Other _____			
Analyzed for: <u>TPH-G</u> <u>BTEX</u> <u>MTBE</u> TPH-D Other: <u>TBA</u>						
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): <u>Pre-purge</u>		<u>0.8</u> mg/L		Post-purge:		mg/L
O.R.P. (if req'd): <u>Pre-purge</u>		<u>-102</u> mV		Post-purge:		mV

### SHELL WELL MONITORING DATA SHEET

BTS #: <b>050117-DW-2</b>	Site: <b>4255 MacArthur Blvd</b>
Sampler: <b>DW</b>	Date: <b>1-17-05</b>
Well I.D.: <b>MW-3</b>	Well Diameter: 2 3 <b>4</b> 6 8 _____
Total Well Depth (TD): <b>21.94</b>	Depth to Water (DTW): <b>10.59</b>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <b>PVC</b> Grade	D.O. Meter (if req'd): <b>YSI</b> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <b>12.86</b>	

Purge Method:  Bailer  Waterra  Sampling Method:  Bailer  
 Disposable Bailer  Peristaltic  Disposable Bailer  
 Positive Air Displacement  Extraction Pump  Extraction Port  
 Electric Submersible  Other \_\_\_\_\_  Dedicated Tubing  
 Other: \_\_\_\_\_

$7.4 \text{ (Gals.)} \times 3 = 22.2 \text{ Gals.}$   
 1 Case Volume      Specified Volumes      Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond. (mS or $\mu$ S)	Turbidity (NTUs)	Gals. Removed	Observations
<b>No</b>						<b>SPH detected. Strong odor</b>
<b>12:07</b>	<b>66.4</b>	<b>6.6</b>	<b>1330</b>	<b>&gt; 200</b>	<b>7.4</b>	<b>sheen/odor</b>
					<b>20.02</b>	<b>well dewatered @ 8 gals. DTW</b>
<b>13:00</b>	<b>67.5</b>	<b>6.6</b>	<b>1340</b>	<b>27</b>	<b>-</b>	<b>sheen/odor</b>

Did well dewater?  Yes    No    Gallons actually evacuated: **8**

Sampling Date: **1-17-05**    Sampling Time: **13:00**    Depth to Water: **12.25**

Sample I.D.: **MW-3**    Laboratory: **STL**    Other: \_\_\_\_\_

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

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): <b>Pre-purge</b>	<b>0.2</b> mg/L	Post-purge:	mg/L
O.R.P. (if req'd): <b>Pre-purge</b>	<b>-18</b> mV	Post-purge:	mV



## SHELL WELL MONITORING DATA SHEET

BTS #: <u>050117-DW-2</u>	Site: <u>4255 MacArthur Blvd</u>
Sampler: <u>DW</u>	Date: <u>1-17-05</u>
Well I.D.: <u>mw-4</u>	Well Diameter: <u>(2)</u> 3 4 6 8
Total Well Depth (TD): <u>30.65</u>	Depth to Water (DTW): <u>6.08</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): <u>(YSI)</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>10.99</u>	

Purge Method: <input checked="" type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Positive Air Displacement <input type="checkbox"/> Electric Submersible	Waterra <input type="checkbox"/> Peristaltic <input type="checkbox"/> Extraction Pump <input type="checkbox"/> Other _____	Sampling Method: <input checked="" type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port <input type="checkbox"/> Dedicated Tubing Other: _____
---	---	--

$\underline{3.9} \text{ (Gals.)} \times \underline{3} = \underline{11.7} \text{ Gals.}$ 1 Case Volume      Specified Volumes      Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond. (mS or <u>(µS)</u> )	Turbidity (NTUs)	Gals. Removed	Observations
<u>10:45</u>	<u>65.4</u>	<u>6.6</u>	<u>1030</u>	<u>&gt;200</u>	<u>4</u>	<u>cloudy</u>
<u>10:50</u>	<u>65.6</u>	<u>6.6</u>	<u>1020</u>	<u>&gt;200</u>	<u>8</u>	<u>"</u>
<u>10:55</u>	<u>65.7</u>	<u>6.7</u>	<u>1003</u>	<u>&gt;200</u>	<u>12</u>	<u>"</u>

Did well dewater? Yes  No  Gallons actually evacuated: 12

Sampling Date: 1-17-05 Sampling Time: 11:03 Depth to Water: 10.95

Sample I.D.: mw-4 Laboratory: (STL) Other: \_\_\_\_\_

Analyzed for: (TPH-S) (BTEX) (MTBE) TPH-D Other: TBA

EB I.D. (if applicable): \_\_\_\_\_ @ \_\_\_\_\_ Duplicate I.D. (if applicable): \_\_\_\_\_

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

D.O. (if req'd): <u>(Pre-purge)</u>	<u>0.4</u> mg/L	Post-purge:	mg/L
O.R.P. (if req'd): <u>(Pre-purge)</u>	<u>6</u> mV	Post-purge:	mV

**SHELL WELL MONITORING DATA SHEET**

BTS #: <u>050117-DW-2</u>	Site: <u>4255 MacArthur Blvd</u>
Sampler: <u>DW</u>	Date: <u>1-17-05</u>
Well I.D.: <u>MW-5</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth (TD): <u>20.00</u>	Depth to Water (DTW): <u>5.63</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): <u>(YSI)</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>8.66</u>	

Purge Method:  Bailer    Waterra    Sampling Method:     Bailer  
    Disposable Bailer    Peristaltic    Disposable Bailer  
    Positive Air Displacement    Extraction Pump    Extraction Port  
    Electric Submersible    Other \_\_\_\_\_    Dedicated Tubing

$\frac{2.3 \text{ (Gals.)} \times 3}{\text{Specified Volumes}} = \frac{6.9 \text{ Gals.}}{\text{Calculated Volume}}$	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond. (mS or $\mu$ S)	Turbidity (NTUs)	Gals. Removed	Observations
11:15	61.0	6.7	660	>200	2.3	Brown
11:19	62.5	6.7	634	>200	4.6	"
11:22	62.9	6.7	629	>200	6.9	"

Did well dewater? Yes  No  Gallons actually evacuated: 6.9

Sampling Date: 1-17-05 Sampling Time: 11:30 Depth to Water: 8.66

Sample I.D.: MW-5 Laboratory: (STL) Other \_\_\_\_\_

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

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): <u>(Pre-purge)</u>	0.1 mg/L	Post-purge:	mg/L
O.R.P. (if req'd): <u>(Pre-purge)</u>	-7 mV	Post-purge:	mV

**ATTACHMENT B**

COP 76 Service Station #1156

Groundwater Monitoring Data and Analytical Results

**Table 1**  
**CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**January 17, 2005**  
**76 Station 1156**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-1</b>	<b>(Screen Interval in feet: 5.0-25.0)</b>													
01/17/05	177.54	5.79	0.00	171.75	1.75	--	86000	8600	21000	3200	15000	ND<1300	570	
<b>MW-2</b>	<b>(Screen Interval in feet: 5.0-25.0)</b>													
01/17/05	173.50	5.70	0.00	167.80	1.19	--	1700	ND<10	ND<10	ND<10	ND<10	1600	1500	
<b>MW-3</b>	<b>(Screen Interval in feet: 5.0-25.0)</b>													
01/17/05	178.13	6.37	0.00	171.76	2.44	--	3400	150	270	360	750	55	200	
<b>MW-4</b>	<b>(Screen Interval in feet: 5.0-25.0)</b>													
01/17/05	178.96	4.56	0.00	174.40	2.29	--	620	100	2.6	15	8.0	240	200	
<b>MW-5</b>	<b>(Screen Interval in feet: DNA)</b>													
01/17/05	169.18	1.49	0.00	167.69	0.94	--	720	ND<5.0	ND<5.0	ND<5.0	ND<5.0	530	550	
<b>MW-6</b>	<b>(Screen Interval in feet: DNA)</b>													
01/17/05	169.04	1.54	0.00	167.50	0.92	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	
<b>MW-7</b>	<b>(Screen Interval in feet: DNA)</b>													
01/17/05	171.64	6.30	0.00	165.34	0.93	--	15000	ND<100	ND<100	ND<100	ND<100	17000	16000	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**July 1999 Through January 2005**  
**76 Station 1156**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-1 (Screen Interval in feet: 5.0-25.0)</b>														
07/20/99	174.86	7.50	0.00	167.36	--	120000	--	11000	27000	3300	18000	ND	--	
09/28/99	174.86	8.75	0.00	166.11	-1.25	6020	--	1030	1040	68.5	412	321	333	
01/07/00	174.86	9.05	0.02	165.82	-0.29	72700	--	7410	13900	2070	9620	ND	--	GWE corrected
03/31/00	174.86	7.18	0.00	167.68	1.86	92000	--	10000	23000	3200	14000	ND	--	
07/14/00	174.86	7.68	0.00	167.18	-0.50	108000	--	8250	18700	3750	17800	ND	--	
10/03/00	174.86	7.99	0.00	166.87	-0.31	96000	--	8760	20000	3350	15600	ND	--	
01/03/01	174.86	9.18	0.00	165.68	-1.19	37000	--	5800	13000	1700	8100	2200	--	
04/04/01	174.86	8.05	0.00	166.81	1.13	86900	--	7780	18500	2470	11800	ND	481	
07/17/01	174.86	7.01	0.00	167.85	1.04	79000	--	5600	11000	2800	12000	ND	230	
10/03/01	177.54	7.89	0.00	169.65	1.80	99000	--	8200	18000	3000	16000	ND<2500	--	
10/05/01	177.54	7.91	0.00	169.63	-0.02	--	--	--	--	--	--	--	--	
01/28/02	177.54	5.98	0.00	171.56	1.93	110000	--	8900	19000	2600	12000	3000	440	
04/25/02	177.54	6.19	0.00	171.35	-0.21	93000	--	8100	18000	3000	15000	810	670	
07/18/02	177.54	6.99	0.00	170.55	-0.80	69000	--	5400	10000	2100	10000	ND<500	620	
10/07/02	177.54	7.73	0.00	169.81	-0.74	82000	--	9200	20000	2600	13000	1300	760	
01/06/03	177.54	5.48	0.00	172.06	2.25	82000	--	6500	18000	2700	11000	ND<1000	790	
04/07/03	177.54	6.30	0.00	171.24	-0.82	74000	--	7000	15000	2400	11000	1000	800	
07/07/03	177.54	6.47	0.00	171.07	-0.17	60000	--	6400	11000	2600	11000	600	530	
10/09/03	177.54	7.85	0.00	169.69	-1.38	91000	81000	8100	17000	3200	14000	--	660	Sampled for TPH-G by 8015M on 11/14/03.
01/14/04	177.54	6.69	0.00	170.85	1.16	98000	--	8000	21000	2600	15000	ND<1300	ND<800	
04/28/04	177.54	6.43	0.00	171.11	0.26	93000	--	9000	20000	1300	10000	1400	560	
07/12/04	177.54	7.44	0.00	170.10	-1.01	57000	--	6900	7200	1600	580	490	440	
10/25/04	177.54	7.54	0.00	170.00	-0.10	66000	--	7300	19000	2700	14000	ND<1300	330	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**July 1999 Through January 2005**  
**76 Station 1156**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1 continued														
01/17/05	177.54	5.79	0.00	171.75	1.75	--	86000	8600	21000	3200	15000	ND<1300	570	
MW-2	(Screen Interval in feet: 5.0-25.0)													
07/20/99	173.01	5.40	--	167.61	--	ND	--	ND	ND	ND	ND	4500	11000	
09/28/99	173.01	5.60	0.00	167.41	-0.20	1390	--	124	ND	62.9	43.1	5280	6150	
01/07/00	173.01	5.92	0.00	167.09	-0.32	1450	--	99	ND	23.8	16	33100	--	
03/31/00	173.01	5.23	0.00	167.78	0.69	ND	--	42	ND	ND	ND	17000	--	
07/14/00	173.01	5.52	0.00	167.49	-0.29	ND	--	44.7	ND	ND	ND	66500	--	
10/03/00	173.01	6.04	0.00	166.97	-0.52	ND	--	56.7	ND	ND	ND	57500	--	
01/03/01	173.01	6.42	0.00	166.59	-0.38	ND	--	ND	ND	ND	ND	49000	--	
04/04/01	173.01	6.14	0.00	166.87	0.28	ND	--	ND	ND	ND	ND	38700	37800	
07/17/01	173.01	5.30	0.00	167.71	0.84	ND	--	ND	ND	ND	ND	65000	56000	
10/03/01	173.50	7.38	0.00	166.12	-1.59	ND<250	--	2.7	ND<2.5	ND<2.5	ND<2.5	14000	18000	
01/28/02	173.50	5.68	0.00	167.82	--	ND<250	--	2.5	4.4	2.8	7.4	11000	10000	
04/25/02	173.50	5.82	0.00	167.68	-0.14	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	8400	8100	
07/18/02	173.50	6.90	0.00	166.60	-1.08	ND<500	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	4300	8800	
10/07/02	173.50	7.54	0.00	165.96	-0.64	4300	--	ND<10	27	21	75	7100	5900	
01/06/03	173.50	6.79	0.00	166.71	0.75	5900	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	31000	35000	
04/07/03	173.50	6.49	0.00	167.01	0.30	1500	--	ND<10	14	11	38	2000	1500	
07/07/03	173.50	6.72	0.00	166.78	-0.23	ND<2500	--	ND<25	ND<25	ND<25	ND<25	5500	8300	
10/09/03	173.50	7.16	0.00	166.34	-0.44	3500	ND<5000	ND<50	ND<50	ND<50	ND<100	--	8500	Sampled for TPH-G by 8015M on 11/14/03.
01/14/04	173.50	5.53	0.00	167.97	1.63	3200	--	ND<25	ND<25	ND<25	ND<25	2600	3200	
04/28/04	173.50	5.21	0.00	168.29	0.32	22000	--	ND<3	9.2	ND<3	ND<6	35000	22000	
07/12/04	173.50	5.83	0.00	167.67	-0.62	1700	--	3.8	18	2.6	16	3000	3000	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**July 1999 Through January 2005**  
**76 Station 1156**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground- water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-2 continued														
10/25/04	173.50	6.89	0.00	166.61	-1.06	3400	--	ND<25	ND<25	ND<25	ND<25	1800	1600	
01/17/05	173.50	5.70	0.00	167.80	1.19	--	1700	ND<10	ND<10	ND<10	ND<10	1600	1500	
MW-3 (Screen Interval in feet: 5.0-25.0)														
07/20/99	178.44	8.50	--	169.94	--	1000	--	76	52	79	76	330	--	
09/28/99	178.44	8.31	0.00	170.13	0.19	1860	--	174	95.4	71.8	135	443	288	
01/07/00	178.44	8.56	0.00	169.88	-0.25	28400	--	2450	3090	1560	3910	1940	--	
03/31/00	178.44	8.42	0.00	170.02	0.14	26000	--	1300	2900	2600	3500	2800	--	
07/14/00	178.44	8.61	0.00	169.83	-0.19	24500	--	1850	2630	2750	3900	548	--	
10/03/00	178.44	9.14	0.00	169.30	-0.53	22000	--	1910	2020	2400	2680	965	--	
01/03/01	178.44	9.06	0.00	169.38	0.08	14000	--	1600	1100	2300	1400	3300	--	
04/04/01	178.44	8.98	0.00	169.46	0.08	19600	--	1150	1470	2100	1820	1050	450	
07/17/01	178.44	7.46	0.00	170.98	1.52	26000	--	1500	2100	2100	3400	ND	350	
10/03/01	178.13	9.81	0.00	168.32	-2.66	22000	--	830	1900	1700	3000	ND<1000	--	
01/28/02	178.13	7.39	0.00	170.74	--	30000	--	880	2600	1800	4300	3200	210	
04/25/02	178.13	7.86	0.00	170.27	-0.47	18000	--	500	2000	1300	3800	500	260	
07/18/02	178.13	8.83	0.00	169.30	-0.97	37000	--	1800	3800	2200	8000	ND<250	270	
10/07/02	178.13	9.71	0.00	168.42	-0.88	26000	--	600	2000	1800	6400	ND<120	ND<200	
01/06/03	178.13	7.40	0.00	170.73	2.31	27000	--	800	2100	2000	6400	440	110	
04/07/03	178.13	8.17	0.00	169.96	-0.77	28000	--	660	2200	1900	6300	440	100	
07/07/03	178.13	8.35	0.00	169.78	-0.18	33000	--	1200	2500	2700	8300	280	100	
10/09/03	178.13	9.39	0.00	168.74	-1.04	3800	6000	120	260	390	1200	--	190	Sampled for TPH-G by 8015M on 11/14/03.
01/14/04	178.13	6.86	0.00	171.27	2.53	5100	--	120	240	310	720	190	230	
04/28/04	178.13	6.63	0.00	171.50	0.23	7300	--	250	440	580	1300	740	240	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**July 1999 Through January 2005**  
**76 Station 1156**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-3 continued</b>														
07/12/04	178.13	7.41	0.00	170.72	-0.78	5500	--	350	310	120	350	180	100	
10/25/04	178.13	8.81	0.00	169.32	-1.40	3300	--	96	140	270	490	94	260	
01/17/05	178.13	6.37	0.00	171.76	2.44	--	3400	150	270	360	750	55	200	
<b>MW-4 (Screen Interval in feet: 5.0-25.0)</b>														
07/20/99	179.10	7.40	--	171.70	--	69	--	2.7	0.77	ND	7.1	100	--	
09/28/99	179.10	7.19	0.00	171.91	0.21	4050	--	1250	72	51.3	133	416	459	
01/07/00	179.10	8.98	0.00	170.12	-1.79	7010	--	2260	167	271	276	764	--	
03/31/00	179.10	7.26	0.00	171.84	1.72	5500	--	1800	230	330	400	1000	--	
07/14/00	179.10	7.67	0.00	171.43	-0.41	7940	--	2810	332	450	247	1530	--	
10/03/00	179.10	8.12	0.00	170.98	-0.45	11400	--	3110	437	519	816	1040	--	
01/03/01	179.10	9.10	0.00	170.00	-0.98	8600	--	2500	340	480	960	850	--	
04/04/01	179.10	8.63	0.00	170.47	0.47	9950	--	2380	126	416	725	1140	819	
07/17/01	179.10	6.49	0.00	172.61	2.14	10000	--	2300	110	410	800	1200	900	
10/03/01	178.96	7.01	0.00	171.95	-0.66	7800	--	2100	85	380	390	580	820	
01/28/02	178.96	6.21	0.00	172.75	--	12000	--	2100	130	350	670	1100	500	
04/25/02	178.96	5.49	0.00	173.47	0.72	3300	--	1300	42	270	250	680	600	
07/18/02	178.96	8.28	0.00	170.68	-2.79	4800	--	1300	71	290	220	530	760	
10/07/02	178.96	7.49	0.00	171.47	0.79	5100	--	1400	110	330	380	650	540	
01/06/03	178.96	6.36	0.00	172.60	1.13	5600	--	1100	57	260	320	370	520	
04/07/03	178.96	6.24	0.00	172.72	0.12	5100	--	1100	55	190	370	550	420	
07/07/03	178.96	6.43	0.00	172.53	-0.19	3000	--	920	28	170	330	480	450	
10/09/03	178.96	7.97	0.00	170.99	-1.54	530	700	100	2.2	5.4	14	--	270	Sampled for TPH-G by 8015M on 11/14/03.
01/14/04	178.96	6.30	0.00	172.66	1.67	530	--	88	4.1	9.9	11	150	180	



**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**July 1999 Through January 2005**  
**76 Station 1156**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-4 continued</b>														
04/28/04	178.96	5.68	0.00	173.28	0.62	1200	--	200	5.3	21	13	490	310	
07/12/04	178.96	6.48	0.00	172.48	-0.80	3600	--	1000	14	260	72	710	470	
10/25/04	178.96	6.85	0.00	172.11	-0.37	490	--	34	ND<2.5	ND<2.5	ND<2.5	200	170	
01/17/05	178.96	4.56	0.00	174.40	2.29	--	620	100	2.6	15	8.0	240	200	
<b>MW-5 (Screen Interval in feet: DNA)</b>														
10/03/01	169.18	2.81	0.00	166.37	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1800	2100	
01/28/02	169.18	1.88	0.00	167.30	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	650	550	
04/25/02	169.18	1.99	0.00	167.19	-0.11	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2200	2400	
07/18/02	169.18	2.49	0.00	166.69	-0.50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	530	690	
10/07/02	169.18	2.80	0.00	166.38	-0.31	140	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	300	330	
01/06/03	169.18	1.86	0.00	167.32	0.94	120	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	410	350	
04/07/03	169.18	2.15	0.00	167.03	-0.29	220	--	0.53	ND<0.50	ND<0.50	ND<0.50	450	420	
07/07/03	169.18	2.26	0.00	166.92	-0.11	120	--	ND<1.2	ND<1.2	ND<1.2	ND<1.2	220	200	
10/09/03	169.18	2.72	0.00	166.46	-0.46	560	210	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	290	Sampled for TPH-G by 8015M on 11/14/03.
01/14/04	169.18	2.00	0.00	167.18	0.72	560	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	670	760	
04/28/04	169.18	2.01	0.00	167.17	-0.01	760	--	ND<0.3	1.8	ND<0.3	ND<0.6	1200	790	
07/12/04	169.18	2.56	0.00	166.62	-0.55	96	--	1.8	3.3	0.54	3.6	2.8	ND<0.5	
10/25/04	169.18	2.43	0.00	166.75	0.13	1100	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	780	1100	
01/17/05	169.18	1.49	0.00	167.69	0.94	--	720	ND<5.0	ND<5.0	ND<5.0	ND<5.0	530	550	
<b>MW-6 (Screen Interval in feet: DNA)</b>														
10/03/01	169.04	2.87	0.00	166.17	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	200	270	
01/28/02	169.04	1.82	0.00	167.22	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
04/25/02	169.04	2.01	0.00	167.03	-0.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**July 1999 Through January 2005**  
**76 Station 1156**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G ( $\mu\text{g/l}$ )	TPPH 8260B ( $\mu\text{g/l}$ )	Benzene ( $\mu\text{g/l}$ )	Toluene ( $\mu\text{g/l}$ )	Ethyl-benzene ( $\mu\text{g/l}$ )	Total Xylenes ( $\mu\text{g/l}$ )	MTBE 8021B ( $\mu\text{g/l}$ )	MTBE 8260B ( $\mu\text{g/l}$ )	Comments
MW-6 continued														
07/18/02	169.04	2.44	0.00	166.60	-0.43	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
10/07/02	169.04	2.72	0.00	166.32	-0.28	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
01/06/03	169.04	1.90	0.00	167.14	0.82	ND<50	--	0.62	1.2	1.2	3.5	ND<2.0	ND<2.0	
04/07/03	169.04	2.02	0.00	167.02	-0.12	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	46	46	
07/07/03	169.04	2.21	0.00	166.83	-0.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
10/09/03	169.04	2.71	0.00	166.33	-0.50	ND<50	ND<50	0.95	3.0	1.4	5.5	--	ND<2.0	Sampled for TPH-G by 8015M on 11/14/03.
01/14/04	169.04	2.00	0.00	167.04	0.71	ND<50	--	ND<0.50	0.57	ND<0.50	0.64	ND<5.0	ND<2.0	
04/28/04	169.04	2.18	0.00	166.86	-0.18	ND<50	--	0.39	0.78	ND<0.3	ND<0.6	ND<1	ND<0.5	
07/12/04	169.04	2.69	0.00	166.35	-0.51	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	6.4	ND<0.5	
10/25/04	169.04	2.46	0.00	166.58	0.23	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	0.57	
01/17/05	169.04	1.54	0.00	167.50	0.92	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	
MW-7 (Screen Interval in feet: DNA)														
10/03/01	171.64	7.62	0.00	164.02	--	10000	--	210	ND<50	ND<50	800	35000	40000	
01/28/02	171.64	7.21	0.00	164.43	--	ND<1000	--	ND<10	ND<10	ND<10	ND<10	42000	38000	
04/25/02	171.64	7.25	0.00	164.39	-0.04	ND<5000	--	660	ND<50	ND<50	ND<50	42000	45000	
07/18/02	171.64	8.12	0.00	163.52	-0.87	ND<5000	--	130	ND<50	ND<50	ND<50	51000	53000	
10/07/02	171.64	7.71	0.00	163.93	0.41	18000	--	ND<50	ND<50	ND<50	ND<50	33000	38000	
01/06/03	171.64	7.63	0.00	164.01	0.08	410	--	0.61	1.0	0.89	2.9	3900	3100	
04/07/03	171.64	7.58	0.00	164.06	0.05	13000	--	ND<20	ND<20	ND<20	ND<20	32000	28000	
07/07/03	171.64	7.56	0.00	164.08	0.02	990	--	8.2	ND<0.50	1.2	ND<0.50	36000	45000	
10/09/03	171.64	7.72	0.00	163.92	-0.16	6800	ND<13000	ND<130	ND<130	ND<130	ND<250	--	20000	Sampled for TPH-G by 8015M on 11/14/03.
01/14/04	171.64	6.97	0.00	164.67	0.75	19000	--	ND<100	ND<100	ND<100	ND<100	20000	25000	
04/28/04	171.64	8.70	0.00	162.94	-1.73	19000	--	ND<3	ND<3	ND<3	ND<6	30000	21000	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**July 1999 Through January 2005**  
**76 Station 1156**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground- water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-7 continued														
07/12/04	171.64	9.44	0.00	162.20	-0.74	12000	--	28	14	330	200	12000	11000	
10/25/04	171.64	7.23	0.00	164.41	2.21	28000	--	ND<250	ND<250	ND<250	ND<250	13000	14000	
01/17/05	171.64	6.30	0.00	165.34	0.93	--	15000	ND<100	ND<100	ND<100	ND<100	17000	16000	

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 1156**

Date Sampled	TPH-D (µg/l)	cis-1,3-dichloro-propene (µg/l)	trans-1,3-Dichloro-propene (µg/l)	1,4-Dichloro-benzene (µg/l)	EDC (µg/l)	Chloro-benzene (µg/l)	Dibromo-chloro-methane (µg/l)	PCE (µg/l)	cis-1,2-Dichloro-ethene (µg/l)	trans-1,2-Dichloro-ethene (µg/l)	1,3-Dichloro-benzene (µg/l)	Carbon tetra-chloride (µg/l)	Chloro-form (µg/l)	1,1,1-Trichloro-ethane (µg/l)	Bromo-methane (µg/l)
<b>MW-1</b>															
07/20/99	16000	--	--	--	--	12	--	--	3.6	--	--	--	--	--	--
09/28/99	2410	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/07/00	7870	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/31/00	3600	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/14/00	8580	--	--	--	--	--	--	334	--	--	--	--	--	--	--
10/03/00	9260	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/03/01	11000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/04/01	14000	--	--	--	ND	5.6	--	--	3.4	--	--	--	--	--	--
07/17/01	2200	--	--	--	ND	--	--	--	--	--	--	--	--	--	--
10/05/01	13000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/28/02	4400	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/25/02	9000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/18/02	9200	--	--	1.3	ND<10	5.9	--	ND<0.60	1.3	--	--	--	--	--	--
10/07/02	3400	--	--	--	ND<200	--	--	--	--	--	--	--	--	--	--
01/06/03	5100	--	--	--	ND<400	--	--	--	--	--	--	--	--	--	--
04/07/03	2800	--	--	--	ND<200	--	--	--	--	--	--	--	--	--	--
07/07/03	7000	--	--	--	ND<500	ND<120	--	ND<120	ND<120	--	--	--	--	--	--
10/09/03	4300	--	--	--	ND<400	--	--	--	--	--	--	--	--	--	--
01/14/04	6200	--	--	--	ND<800	--	--	--	--	--	--	--	--	--	--
04/28/04	--	--	--	--	ND<50	--	--	--	--	--	--	--	--	--	--
07/12/04	270	ND<10	ND<10	ND<2	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<2	ND<10	ND<10	ND<10	ND<20
10/25/04	5100	--	--	--	ND<200	--	--	--	--	--	--	--	--	--	--
01/17/05	6400	--	--	--	ND<200	--	--	--	--	--	--	--	--	--	--
<b>MW-2</b>															
04/04/01	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--
07/17/01	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 1156**

Date Sampled	TPH-D (µg/l)	cis-1,3-dichloropropene (µg/l)	trans-1,3-Dichloropropene (µg/l)	1,4-Dichlorobenzene (µg/l)	EDC (µg/l)	Chlorobenzene (µg/l)	Dibromochloromethane (µg/l)	PCE (µg/l)	cis-1,2-Dichloroethene (µg/l)	trans-1,2-Dichloroethene (µg/l)	1,3-Dichlorobenzene (µg/l)	Carbon tetrachloride (µg/l)	Chloroform (µg/l)	1,1,1-Trichloroethane (µg/l)	Bromomethane (µg/l)	
<b>MW-2 continued</b>																
07/18/02	--	--	--	--	ND<100	--	--	--	--	--	--	--	--	--	--	--
10/07/02	--	--	--	--	ND<400	--	--	--	--	--	--	--	--	--	--	--
01/06/03	--	--	--	--	ND<1000	--	--	--	--	--	--	--	--	--	--	--
04/07/03	--	--	--	--	ND<40	--	--	--	--	--	--	--	--	--	--	--
07/07/03	--	--	--	--	ND<100	--	--	--	--	--	--	--	--	--	--	--
10/09/03	--	--	--	--	ND<200	--	--	--	--	--	--	--	--	--	--	--
01/14/04	--	--	--	--	ND<50	--	--	--	--	--	--	--	--	--	--	--
04/28/04	--	--	--	--	ND<0.5	--	--	--	--	--	--	--	--	--	--	--
07/12/04	--	--	--	--	ND<3	--	--	--	--	--	--	--	--	--	--	--
10/25/04	--	--	--	--	ND<13	--	--	--	--	--	--	--	--	--	--	--
01/17/05	--	--	--	--	ND<13	--	--	--	--	--	--	--	--	--	--	--
<b>MW-3</b>																
04/04/01	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--
07/17/01	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--
07/18/02	--	--	--	--	ND<5.0	--	--	--	--	--	--	--	--	--	--	--
10/07/02	--	--	--	--	ND<200	--	--	--	--	--	--	--	--	--	--	--
01/06/03	--	--	--	--	ND<80	--	--	--	--	--	--	--	--	--	--	--
04/07/03	--	--	--	--	ND<80	--	--	--	--	--	--	--	--	--	--	--
07/07/03	--	--	--	--	ND<40	--	--	--	--	--	--	--	--	--	--	--
10/09/03	--	--	--	--	ND<20	--	--	--	--	--	--	--	--	--	--	--
01/14/04	--	--	--	--	ND<20	--	--	--	--	--	--	--	--	--	--	--
04/28/04	--	--	--	--	ND<3	--	--	--	--	--	--	--	--	--	--	--
07/12/04	--	--	--	--	ND<10	--	--	--	--	--	--	--	--	--	--	--
10/25/04	--	--	--	--	ND<2.5	--	--	--	--	--	--	--	--	--	--	--
01/17/05	--	--	--	--	ND<2.5	--	--	--	--	--	--	--	--	--	--	--

MW-4

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 1156**

Date Sampled	TPH-D (µg/l)	cis-1,3-dichloro-propene (µg/l)	trans-1,3-Dichloro-propene (µg/l)	1,4-Dichloro-benzene (µg/l)	EDC (µg/l)	Chloro-benzene (µg/l)	Dibromo-chloro-methane (µg/l)	PCE (µg/l)	cis-1,2-Dichloro-ethene (µg/l)	trans-1,2-Dichloro-ethene (µg/l)	1,3-Dichloro-benzene (µg/l)	Carbon tetra-chloride (µg/l)	Chloro-form (µg/l)	1,1,1-Trichloro-ethane (µg/l)	Bromo-methane (µg/l)
MW-4 continued															
04/04/01	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--
07/17/01	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--
07/18/02	--	--	--	--	49	--	--	--	--	--	--	--	--	--	--
10/07/02	--	--	--	--	ND<200	--	--	--	--	--	--	--	--	--	--
01/06/03	--	--	--	--	ND<20	--	--	--	--	--	--	--	--	--	--
04/07/03	--	--	--	--	ND<20	--	--	--	--	--	--	--	--	--	--
07/07/03	--	--	--	--	ND<20	--	--	--	--	--	--	--	--	--	--
10/09/03	--	--	--	--	ND<4.0	--	--	--	--	--	--	--	--	--	--
01/14/04	--	--	--	--	6.5	--	--	--	--	--	--	--	--	--	--
04/28/04	--	--	--	--	ND<0.5	--	--	--	--	--	--	--	--	--	--
07/12/04	--	--	--	--	14	--	--	--	--	--	--	--	--	--	--
10/25/04	--	--	--	--	2.0	--	--	--	--	--	--	--	--	--	--
01/17/05	--	--	--	--	3.6	--	--	--	--	--	--	--	--	--	--
MW-5															
07/18/02	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--	--
10/07/02	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--	--
01/06/03	ND<50	--	--	--	ND<2.0	ND<0.50	--	ND<0.50	ND<0.50	--	--	--	--	--	--
04/07/03	--	--	--	--	ND<10	--	--	--	--	--	--	--	--	--	--
07/07/03	--	--	--	--	ND<4.0	--	--	--	--	--	--	--	--	--	--
10/09/03	--	--	--	--	ND<4.0	--	--	--	--	--	--	--	--	--	--
01/14/04	--	--	--	--	ND<40	--	--	--	--	--	--	--	--	--	--
04/28/04	--	--	--	--	1.8	--	--	--	--	--	--	--	--	--	--
07/12/04	--	--	--	--	0.76	--	--	--	--	--	--	--	--	--	--
10/25/04	--	--	--	--	ND<50	--	--	--	--	--	--	--	--	--	--
01/17/05	--	--	--	--	ND<2.5	--	--	--	--	--	--	--	--	--	--

MW-6

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 1156**

Date Sampled	TPH-D (µg/l)	cis-1,3-dichloro-propene (µg/l)	trans-1,3-Dichloro-propene (µg/l)	1,4-Dichloro-benzene (µg/l)	EDC (µg/l)	Chloro-benzene (µg/l)	Dibromo-chloro-methane (µg/l)	PCE (µg/l)	cis-1,2-Dichloro-ethene (µg/l)	trans-1,2-Dichloro-ethene (µg/l)	1,3-Dichloro-benzene (µg/l)	Carbon tetra-chloride (µg/l)	Chloro-form (µg/l)	1,1,1-Trichloro-ethane (µg/l)	Bromo-methane (µg/l)
MW-6 continued															
07/18/02	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--	--
10/07/02	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--	--
01/06/03	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--	--
04/07/03	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--	--
07/07/03	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--	--
10/09/03	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--	--
01/14/04	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--	--
04/28/04	--	--	--	--	ND<0.5	--	--	--	--	--	--	--	--	--	--
07/12/04	--	--	--	--	ND<0.5	--	--	--	--	--	--	--	--	--	--
10/25/04	--	--	--	--	ND<0.50	--	--	--	--	--	--	--	--	--	--
01/17/05	--	--	--	--	ND<0.50	--	--	--	--	--	--	--	--	--	--
MW-7															
07/18/02	--	--	--	--	ND<20	--	--	--	--	--	--	--	--	--	--
10/07/02	--	--	--	--	ND<400	--	--	--	--	--	--	--	--	--	--
01/06/03	ND<50	--	--	--	ND<200	ND<50	--	ND<50	ND<50	--	--	--	--	--	--
04/07/03	--	--	--	--	ND<800	--	--	--	--	--	--	--	--	--	--
07/07/03	--	--	--	--	ND<400	--	--	--	--	--	--	--	--	--	--
10/09/03	--	--	--	--	ND<500	--	--	--	--	--	--	--	--	--	--
01/14/04	--	--	--	--	ND<800	--	--	--	--	--	--	--	--	--	--
04/28/04	--	--	--	--	6.8	--	--	--	--	--	--	--	--	--	--
07/12/04	--	--	--	--	5.1	--	--	--	--	--	--	--	--	--	--
10/25/04	--	--	--	--	ND<50	--	--	--	--	--	--	--	--	--	--
01/17/05	--	--	--	--	ND<50	--	--	--	--	--	--	--	--	--	--

**Table 3 b**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 1156**

Date Sampled	Chloro- methane (µg/l)	Chloro- ethane (µg/l)	Vinyl chloride (µg/l)	Methylene chloride (µg/l)	Bromoform (µg/l)	Bromo- dichloro- methane (µg/l)	1,1- Dichloro- ethane (µg/l)	1,1- Dichloro- ethene (µg/l)	Trichloro- fluoro- methane (µg/l)	Trichloro- trifluoro- ethane (µg/l)	1,2- Dichloro- propane (µg/l)	1,1,2- Trichloro- ethane (µg/l)	TCE (µg/l)	1,1,2,2- Tetrachloro- ethane (µg/l)	1,2- Dichloro- benzene (µg/l)
<b>MW-1</b>															
07/20/99	--	--	--	--	--	--	2.0	--	--	--	0.92	--	--	--	3.9
03/31/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.2
04/04/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.6
07/17/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18
07/18/02	--	1.1	--	--	--	--	--	--	--	--	--	--	--	--	5.8
07/12/04	ND<10	ND<10	ND<10	ND<20	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<2



**Table 3 c**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 1156**

Date Sampled	Dichloro-difluoro-methane (µg/l)	n-Propyl-benzene (µg/l)	EDB (µg/l)	1,3,5-Trimethyl-benzene (µg/l)	1,2,4-Trichloro-benzene (µg/l)	HCBD (µg/l)	1,2,4-Trimethyl-benzene (µg/l)	Naphthalene (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8015B (mg/l)	Acenaphthylene (µg/l)	Acenaphthene (µg/l)
<b>MW-1</b>															
07/20/99	--	--	--	--	--	--	--	600	--	--	--	--	--	--	--
09/28/99	--	--	--	318	--	--	1240	534	ND	ND	ND	ND	--	--	--
01/07/00	--	371	--	597	--	--	2210	1050	--	--	--	--	--	--	--
03/31/00	--	--	--	--	--	--	--	140	--	--	--	--	--	--	--
07/14/00	--	--	--	--	--	--	--	690	--	--	--	--	--	--	--
10/03/00	--	--	--	--	--	--	--	361	--	--	--	--	--	--	--
01/03/01	--	--	--	--	--	--	--	400	--	--	--	--	--	--	--
04/04/01	--	--	ND	--	--	--	--	490	ND	ND	ND	ND	--	--	--
07/17/01	--	--	ND	--	--	--	--	740	ND	ND	ND	ND	--	--	--
07/18/02	--	--	ND<10	--	--	--	--	910	ND<10	ND<100	ND<10	ND<10	--	--	--
10/07/02	--	--	ND<200	--	--	--	--	--	ND<200	ND<10000	ND<200	ND<200	--	--	--
01/06/03	--	--	ND<400	--	--	--	--	--	ND<400	ND<20000	ND<400	ND<400	--	--	--
04/07/03	--	--	ND<200	--	--	--	--	--	ND<200	ND<10000	ND<200	ND<200	--	--	--
07/07/03	--	--	ND<500	--	--	--	--	850	ND<500	ND<25000	ND<500	ND<500	ND<120000	--	--
10/09/03	--	--	ND<400	--	--	--	--	--	ND<400	ND<20000	ND<400	ND<400	--	--	--
01/14/04	--	--	ND<800	--	--	--	--	--	ND<800	ND<40000	ND<800	ND<800	--	--	--
04/28/04	--	--	ND<50	--	--	--	--	--	ND<1	800	ND<1	ND<1	--	--	--
07/12/04	ND<10	--	ND<10	--	ND<2	ND<2	--	450	ND<20	1100	ND<20	ND<20	--	ND<2	ND<2
10/25/04	--	--	ND<200	--	--	--	--	--	ND<200	ND<2000	ND<400	ND<200	--	--	--
01/17/05	--	--	ND<200	--	--	--	--	--	ND<200	3100	ND<400	ND<200	--	--	--
<b>MW-2</b>															
09/28/99	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--	--	--
04/04/01	--	--	ND	--	--	--	--	--	ND	ND	ND	ND	--	--	--
07/17/01	--	--	ND	--	--	--	--	--	ND	ND	ND	ND	--	--	--
07/18/02	--	--	ND<100	--	--	--	--	--	ND<100	ND<1000	ND<100	ND<100	--	--	--
10/07/02	--	--	ND<400	--	--	--	--	--	ND<400	ND<20000	ND<400	ND<400	--	--	--

Table 3 c  
**ADDITIONAL ANALYTICAL RESULTS**  
 76 Station 1156

Date Sampled	Dichloro-difluoromethane (µg/l)	n-Propylbenzene (µg/l)	EDB (µg/l)	1,3,5-Trimethylbenzene (µg/l)	1,2,4-Trichlorobenzene (µg/l)	HCBD (µg/l)	1,2,4-Trimethylbenzene (µg/l)	Naphthalene (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8015B (mg/l)	Acenaphthylene (µg/l)	Acenaphthene (µg/l)
<b>MW-2 continued</b>															
01/06/03	--	--	ND<1000	--	--	--	--	--	ND<1000	ND<50000	ND<1000	ND<1000	--	--	--
04/07/03	--	--	ND<40	--	--	--	--	--	ND<40	ND<2000	ND<40	ND<40	--	--	--
07/07/03	--	--	ND<100	--	--	--	--	--	ND<100	ND<5000	ND<100	ND<100	--	--	--
10/09/03	--	--	ND<200	--	--	--	--	--	ND<200	ND<10000	ND<200	ND<200	--	--	--
01/14/04	--	--	ND<50	--	--	--	--	--	ND<50	ND<2500	ND<50	ND<50	--	--	--
04/28/04	--	--	ND<0.5	--	--	--	--	--	11	13000	ND<1	ND<1	--	--	--
07/12/04	--	--	ND<3	--	--	--	--	--	ND<5	110	ND<5	ND<5	--	--	--
10/25/04	--	--	ND<13	--	--	--	--	--	ND<13	1100	ND<25	ND<13	--	--	--
01/17/05	--	--	ND<13	--	--	--	--	--	ND<13	1200	ND<25	ND<13	--	--	--
<b>MW-3</b>															
09/28/99	--	--	--	--	--	--	--	--	8.80	ND	ND	ND	--	--	--
04/04/01	--	--	ND	--	--	--	--	--	ND	ND	ND	ND	--	--	--
07/17/01	--	--	ND	--	--	--	--	--	ND	ND	ND	ND	--	--	--
07/18/02	--	--	ND<5.0	--	--	--	--	--	ND<5.0	ND<50	ND<5.0	ND<5.0	--	--	--
10/07/02	--	--	ND<200	--	--	--	--	--	ND<200	ND<10000	ND<200	ND<200	--	--	--
01/06/03	--	--	ND<80	--	--	--	--	--	ND<80	ND<4000	ND<80	ND<80	--	--	--
04/07/03	--	--	ND<80	--	--	--	--	--	ND<80	ND<4000	ND<80	ND<80	--	--	--
07/07/03	--	--	ND<40	--	--	--	--	--	ND<40	ND<2000	ND<40	ND<40	--	--	--
10/09/03	--	--	ND<20	--	--	--	--	--	ND<20	ND<1000	ND<20	ND<20	--	--	--
01/14/04	--	--	ND<20	--	--	--	--	--	ND<20	ND<1000	ND<20	ND<20	--	--	--
04/28/04	--	--	ND<3	--	--	--	--	--	ND<1	ND<12	ND<1	ND<1	--	--	--
07/12/04	--	--	ND<10	--	--	--	--	--	ND<20	350	ND<20	ND<20	--	--	--
10/25/04	--	--	ND<2.5	--	--	--	--	--	ND<2.5	39	ND<5.0	ND<2.5	--	--	--
01/17/05	--	--	ND<2.5	--	--	--	--	--	ND<2.5	120	ND<5.0	ND<2.5	--	--	--
<b>MW-4</b>															
09/28/99	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--	--	--

**Table 3 c**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 1156**

Date Sampled	Dichloro-difluoro-methane (µg/l)	n-Propyl-benzene (µg/l)	EDB (µg/l)	1,3,5-Trimethyl-benzene (µg/l)	1,2,4-Trichloro-benzene (µg/l)	HCBD (µg/l)	1,2,4-Trimethyl-benzene (µg/l)	Naphthalene (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8015B (mg/l)	Acenaphthylene (µg/l)	Acenaphthene (µg/l)
<b>MW-4 continued</b>															
04/04/01	--	--	ND	--	--	--	--	--	ND	ND	ND	ND	--	--	--
07/17/01	--	--	ND	--	--	--	--	--	ND	ND	ND	ND	--	--	--
07/18/02	--	--	ND<10	--	--	--	--	--	ND<10	ND<100	ND<10	ND<10	--	--	--
10/07/02	--	--	ND<200	--	--	--	--	--	ND<200	ND<10000	ND<200	ND<200	--	--	--
01/06/03	--	--	ND<20	--	--	--	--	--	ND<20	ND<1000	ND<20	ND<20	--	--	--
04/07/03	--	--	ND<20	--	--	--	--	--	ND<20	ND<1000	ND<20	ND<20	--	--	--
07/07/03	--	--	ND<20	--	--	--	--	--	ND<20	ND<1000	ND<20	ND<20	--	--	--
10/09/03	--	--	ND<4.0	--	--	--	--	--	ND<4.0	ND<200	ND<4.0	ND<4.0	--	--	--
01/14/04	--	--	ND<4.0	--	--	--	--	--	ND<4.0	ND<200	ND<4.0	ND<4.0	--	--	--
04/28/04	--	--	ND<0.5	--	--	--	--	--	ND<1	150	ND<1	ND<1	--	--	--
07/12/04	--	--	ND<3	--	--	--	--	--	ND<3	210	ND<3	ND<3	--	--	--
10/25/04	--	--	ND<1.0	--	--	--	--	--	ND<1.0	38	ND<2.0	ND<1.0	--	--	--
01/17/05	--	--	ND<1.0	--	--	--	--	--	ND<1.0	110	ND<2.0	ND<1.0	--	--	--
<b>MW-5</b>															
07/18/02	--	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	--	--	--
10/07/02	--	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--
01/06/03	--	--	ND<2.0	--	--	--	--	ND<10	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--
04/07/03	--	--	ND<10	--	--	--	--	--	ND<10	ND<500	ND<10	ND<10	--	--	--
07/07/03	--	--	ND<4.0	--	--	--	--	--	ND<4.0	ND<200	ND<4.0	ND<4.0	--	--	--
10/09/03	--	--	ND<4.0	--	--	--	--	--	ND<4.0	ND<200	ND<4.0	ND<4.0	--	--	--
01/14/04	--	--	ND<40	--	--	--	--	--	ND<40	ND<2000	ND<40	ND<40	--	--	--
04/28/04	--	--	ND<0.5	--	--	--	--	--	ND<1	ND<12	ND<1	ND<1	--	--	--
07/12/04	--	--	ND<0.5	--	--	--	--	--	ND<1	ND<12	ND<1	ND<1	--	--	--
10/25/04	--	--	ND<50	--	--	--	--	--	ND<50	ND<500	ND<100	ND<50	--	--	--
01/17/05	--	--	ND<2.5	--	--	--	--	--	ND<2.5	100	ND<5.0	ND<2.5	--	--	--

MW-6

**Table 3 c**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 1156**

Date Sampled	Dichloro-difluoromethane (µg/l)	n-Propylbenzene (µg/l)	EDB (µg/l)	1,3,5-Trimethylbenzene (µg/l)	1,2,4-Trichlorobenzene (µg/l)	HCBD (µg/l)	1,2,4-Trimethylbenzene (µg/l)	Naphthalene (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8015B (mg/l)	Acenaphthylene (µg/l)	Acenaphthene (µg/l)
<b>MW-6 continued</b>															
07/18/02	--	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	--	--	--
10/07/02	--	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--
01/06/03	--	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--
04/07/03	--	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--
07/07/03	--	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--
10/09/03	--	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--
01/14/04	--	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--
04/28/04	--	--	ND<0.5	--	--	--	--	--	ND<1	ND<12	ND<1	ND<1	--	--	--
07/12/04	--	--	ND<0.5	--	--	--	--	--	ND<1	ND<12	ND<1	ND<1	--	--	--
10/25/04	--	--	ND<0.50	--	--	--	--	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	--	--	--
01/17/05	--	--	ND<0.50	--	--	--	--	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	--	--	--
<b>MW-7</b>															
07/18/02	--	--	ND<20	--	--	--	--	--	ND<20	33000	ND<20	ND<20	--	--	--
10/07/02	--	--	ND<400	--	--	--	--	--	ND<400	26000	ND<400	ND<400	--	--	--
01/06/03	--	--	ND<200	--	--	--	--	ND<10	ND<200	ND<10000	ND<200	ND<200	--	--	--
04/07/03	--	--	ND<800	--	--	--	--	--	ND<800	ND<40000	ND<800	ND<800	--	--	--
07/07/03	--	--	ND<400	--	--	--	--	--	ND<400	27000	ND<400	ND<400	--	--	--
10/09/03	--	--	ND<500	--	--	--	--	--	ND<500	ND<25000	ND<500	ND<500	--	--	--
01/14/04	--	--	ND<800	--	--	--	--	--	ND<800	ND<40000	ND<800	ND<800	--	--	--
04/28/04	--	--	ND<0.5	--	--	--	--	--	12	9200	ND<1	ND<1	--	--	--
07/12/04	--	--	ND<5	--	--	--	--	--	ND<10	4600	ND<10	ND<10	--	--	--
10/25/04	--	--	ND<50	--	--	--	--	--	ND<50	3900	ND<100	ND<50	--	--	--
01/17/05	--	--	ND<50	--	--	--	--	--	ND<50	4200	ND<100	ND<50	--	--	--

**Table 3 d**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 1156**

Date Sampled	Fluorene (µg/l)	Phenanthrene (µg/l)	Anthracene (µg/l)	Fluoranthene (µg/l)	Pyrene (µg/l)	Benzo (a)Anthracene (µg/l)	Chrysene (µg/l)	B[B]F (µg/l)	B[K]F (µg/l)	Benzo(a) Pyrene (µg/l)	DB[A,H]A (µg/l)	Benzo (g,h,i)-perylene (µg/l)	Indeno (1,2,3c,d)-pyrene (µg/l)	Ethanol 8260B (µg/l)	bis(2-Ethylhexyl) phthalate (µg/l)
<b>MW-1</b>															
03/31/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10
10/03/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	51.6
04/04/01	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	55
07/17/01	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	400
07/18/02	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<2500000	120
10/07/02	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<50000000	--
01/06/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<100000000	--
04/07/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<50000000	--
07/07/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	70
10/09/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<100000	--
01/14/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<200000	--
04/28/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<1000	--
07/12/04	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2	ND<3	ND<2	ND<2	ND<20000	ND<5
10/25/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<20000	--
01/17/05	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<20000	--
<b>MW-2</b>															
04/04/01	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
07/17/01	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
07/18/02	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<25000000	--
10/07/02	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<100000000	--
01/06/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<250000000	--
04/07/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<10000000	--
07/07/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<25000000	--
10/09/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<50000	--
01/14/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<13000	--
04/28/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<1000	--

**Table 3 d**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 1156**

Date Sampled	Fluorene (µg/l)	Phenanthrene (µg/l)	Anthracene (µg/l)	Fluoranthene (µg/l)	Pyrene (µg/l)	Benzo (a)Anthracene (µg/l)	Chrysene (µg/l)	B[B]F (µg/l)	B[K]F (µg/l)	Benzo(a) Pyrene (µg/l)	DB[A,H]A (µg/l)	Benzo (g,h,i)-perylene (µg/l)	Indeno (1,2,3c,d)-pyrene (µg/l)	Ethanol 8260B (µg/l)	bis(2-Ethylhexyl) phthalate (µg/l)
<b>MW-2 continued</b>															
07/12/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<4000	--
10/25/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<1300	--
01/17/05	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<1300	--
<b>MW-3</b>															
04/04/01	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
07/17/01	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
07/18/02	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<1200000	--
10/07/02	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<50000000	--
01/06/03	--	--	--	--	--	--	--	--	--	--	--	--	--	23000000	--
04/07/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<20000000	--
07/07/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<10000000	--
10/09/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<5000	--
01/14/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<5000	--
04/28/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<1000	--
07/12/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<20000	--
10/25/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<250	--
01/17/05	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<250	--
<b>MW-4</b>															
04/04/01	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
07/17/01	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
07/18/02	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<2500000	--
10/07/02	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<50000000	--
01/06/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<5000000	--
04/07/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<5000000	--
07/07/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<5000000	--
10/09/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<1000	--

**Table 3 d**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 1156**

Date Sampled	Fluorene (µg/l)	Phenanthrene (µg/l)	Anthracene (µg/l)	Fluoranthene (µg/l)	Pyrene (µg/l)	Benzo (a)Anthracene (µg/l)	Chrysene (µg/l)	B[B]F (µg/l)	B[K]F (µg/l)	Benzo(a) Pyrene (µg/l)	DB[A,H]A (µg/l)	Benzo (g,h,i)-perylene (µg/l)	Indeno (1,2,3c,d)-pyrene (µg/l)	Ethanol 8260B (µg/l)	bis(2-Ethylhexyl) phthalate (µg/l)
<b>MW-4 continued</b>															
01/14/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<1000	--
04/28/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<1000	--
07/12/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<4000	--
10/25/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<100	--
01/17/05	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<100	--
<b>MW-5</b>															
07/18/02	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<500000	--
10/07/02	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<500000	--
01/06/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<500000	ND<5.0
04/07/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<2500000	--
07/07/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<1000000	--
10/09/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<1000	--
01/14/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<10000	--
04/28/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<1000	--
07/12/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<800	--
10/25/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<5000	--
01/17/05	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<250	--
<b>MW-6</b>															
07/18/02	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<500000	--
10/07/02	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<500000	--
01/06/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<500000	--
04/07/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<500000	--
07/07/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<500000	--
10/09/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<500	--
01/14/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<500	--
04/28/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<1000	--

Table 3 d  
**ADDITIONAL ANALYTICAL RESULTS**  
 76 Station 1156

Date Sampled	Fluorene (µg/l)	Phenanthrene (µg/l)	Anthracene (µg/l)	Fluoranthene (µg/l)	Pyrene (µg/l)	Benzo (a)Anthracene (µg/l)	Chrysene (µg/l)	B[B]F (µg/l)	B[K]F (µg/l)	Benzo(a) Pyrene (µg/l)	DB[A,H]A (µg/l)	Benzo (g,h,i)-perylene (µg/l)	Indeno (1,2,3c,d)-pyrene (µg/l)	Ethanol 8260B (µg/l)	bis(2-Ethylhexyl) phthalate (µg/l)
MW-6 continued															
07/12/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<800	--
10/25/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<50	--
01/17/05	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<50	--
MW-7															
07/18/02	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<5000000	--
10/07/02	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<100000000	--
01/06/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<50000000	ND<5.0
04/07/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<200000000	--
07/07/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<100000000	--
10/09/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<130000	--
01/14/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<200000	--
04/28/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<1000	--
07/12/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<8000	--
10/25/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<5000	--
01/17/05	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<5000	--



**Table 3 e**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 1156**

Date Sampled	2-Methyl-phenol (µg/l)	4-Methyl-phenol (µg/l)	1,2 DCE (µg/l)	2-Methyl-naphthalene (µg/l)
<b>MW-1</b>				
07/20/99	--	27	--	240
09/28/99	26.4	35.6	--	87.4
01/07/00	--	--	--	315
03/31/00	31	18	--	73
07/14/00	--	--	--	300
10/03/00	--	28.9	--	98.1
01/03/01	--	--	--	180
04/04/01	--	--	--	78
07/17/01	47	25	--	290
07/18/02	13	25	--	420
07/07/03	ND<5.0	22	ND<120	260
<b>MW-5</b>				
01/06/03	ND<5.0	ND<5.0	--	ND<5.0
<b>MW-7</b>				
01/06/03	ND<5.0	ND<5.0	--	ND<5.0