



Alameda County

APR 21 2005

Environmental Health

Denis L. Brown

April 11, 2005

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

70469 G  
**Shell Oil Products US**  
HSE - Environmental Services  
20945 S. Wilmington Ave.  
Carson, CA 90810-1039  
Tel (707) 865 0251  
Fax (707) 865 2542  
Email [denis.l.brown@shell.com](mailto:denis.l.brown@shell.com)

Re: First Quarter 2005 Monitoring Report  
Shell-branded Service Station  
6039 College Avenue  
Oakland, California  
SAP Code 135685  
Incident No. 98995745  
ACHCSA # 3719

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**  
Shell-branded Service Station  
6039 College Avenue  
Oakland, California  
Incident #98995745  
Cambria Project #247-0503-002



Dear Ms. Garcia-La Grille:

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

## HISTORICAL REMEDIATION SUMMARY


**Separate-Phase and Dissolved-Phase Hydrocarbon Removal:** Cambria initiated weekly extraction of separate-phase hydrocarbons (SPH) and dissolved-phase hydrocarbons at this site in September 1999. Between September 22 and November 10, 1999, Advanced Cleanup Technologies, Inc. of Benicia, California extracted SPH and groundwater from wells MW-3 and MW-4 with a vacuum truck. Beginning November 10, 1999, Blaine Tech Services, Inc. (Blaine) of San Jose, California took over the weekly purging events as the volume of groundwater and SPH removed each week was insufficient to warrant using a vacuum truck. Due to the absence of SPH in MW-4, Blaine discontinued weekly purging events on June 8, 2000. After SPH reappeared in the second and third quarters of 2001, Cambria reinstated monthly extraction using a vacuum truck in December 2001. No SPH has been detected since the third quarter of 2001. Monthly mobile groundwater extraction (GWE) was discontinued after the December 12, 2003 event due to decreased hydrocarbon concentrations. Due to increases in hydrocarbon concentrations in wells MW-3 and MW-4 during the first and second quarters of 2004, monthly mobile GWE was reinstated in July of 2004. To date, approximately 2.6 pounds of liquid-phase total petroleum hydrocarbons as gasoline (TPHg) and 2.5 pounds of liquid-phase methyl tertiary

**Cambria  
Environmental  
Technology, Inc.**

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

butyl ether (MTBE) have been removed from the subsurface. Due to decreased hydrocarbon concentrations, GWE was discontinued following the January 2005 event. Table 1 presents mass removal data. The historical GWE/dual-phase vacuum extraction (DVE) effects on MTBE concentrations at locations MW-3 and MW-4 are presented on Figures 3 and 4, respectively.

## FIRST QUARTER 2005 ACTIVITIES



**Groundwater Monitoring:** Blaine gauged water levels, sampled select wells, calculated groundwater elevations, and compiled the analytical data. Cambria prepared a vicinity map which includes previously submitted well survey information (Figure 1) and a groundwater elevation contour map (Figure 2). Blaine's report, including the laboratory report and supporting field documents, is included as Attachment A.


**Additional Groundwater Sample Analysis:** As requested in Alameda County Health Care Services Agency's (ACHCSA) March 21, 2003 letter, samples collected in the second quarter of 2003 were analyzed for tert-amyl methyl ether, ethyl tert-butyl ether, di-isopropyl ether, tert-butyl alcohol (TBA), ethanol, ethylene dibromide and ethylene dichloride. TBA was detected in all the samples and was added to the quarterly monitoring scope.

**GWE:** On January 27, 2005, PSC Industrial Services of Benicia, California performed GWE using wells MW-3 and MW-4. Cambria tabulated the groundwater mass removal data (Table 1) and prepared graphs depicting extraction effectiveness data for the target wells (Figures 3 and 4). GWE was discontinued following this event.

**Additional Total Recoverable Petroleum Hydrocarbon (TRPH) Analysis:** Groundwater samples from wells MW-3 and MW-4 are analyzed annually in the first quarter for TRPH using EPA Method SM 5520B/F and for semi-volatile organic compounds (SVOC) using EPA Method 8270C. Cambria tabulated the analytical data (Table 2).

**ANTICIPATED SECOND QUARTER 2005 ACTIVITIES**

**Groundwater Monitoring:** Blaine will inspect wells for SPH, gauge all wells, sample selected site wells if no SPH are present, and tabulate the data. Cambria will prepare a quarterly monitoring report.



**Subsurface Investigation:** As requested in ACHCSA's March 21, 2003 letter, on May 2, 2003, Cambria submitted an amendment to the January 6, 2002 *Subsurface Investigation Work Plan*. The scope of the amended work plan includes a total of eight soil borings to further define the extent of the MTBE southwest of the site and to determine whether off-site utility trenches provide preferential pathways for chemical migration. In an August 19, 2003 letter, ACHCSA requested that Cambria provide additional information in order to evaluate the proposed soil and groundwater borings. On November 20, 2003, Cambria submitted a *Subsurface Investigation Work Plan Amendment 2*, which included cross-sections and rationale for the soil boring locations. To date, there has not been a response from the ACHCSA regarding the work plan amendment. Since no response has been received despite repeatedly bringing this to ACHSA's attention in quarterly monitoring reports, Cambria, at Shell's request, will implement the *Subsurface Investigation Work Plan Amendment 2* during the second quarter of 2005. Soil boring locations are included on Figure 2.

**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

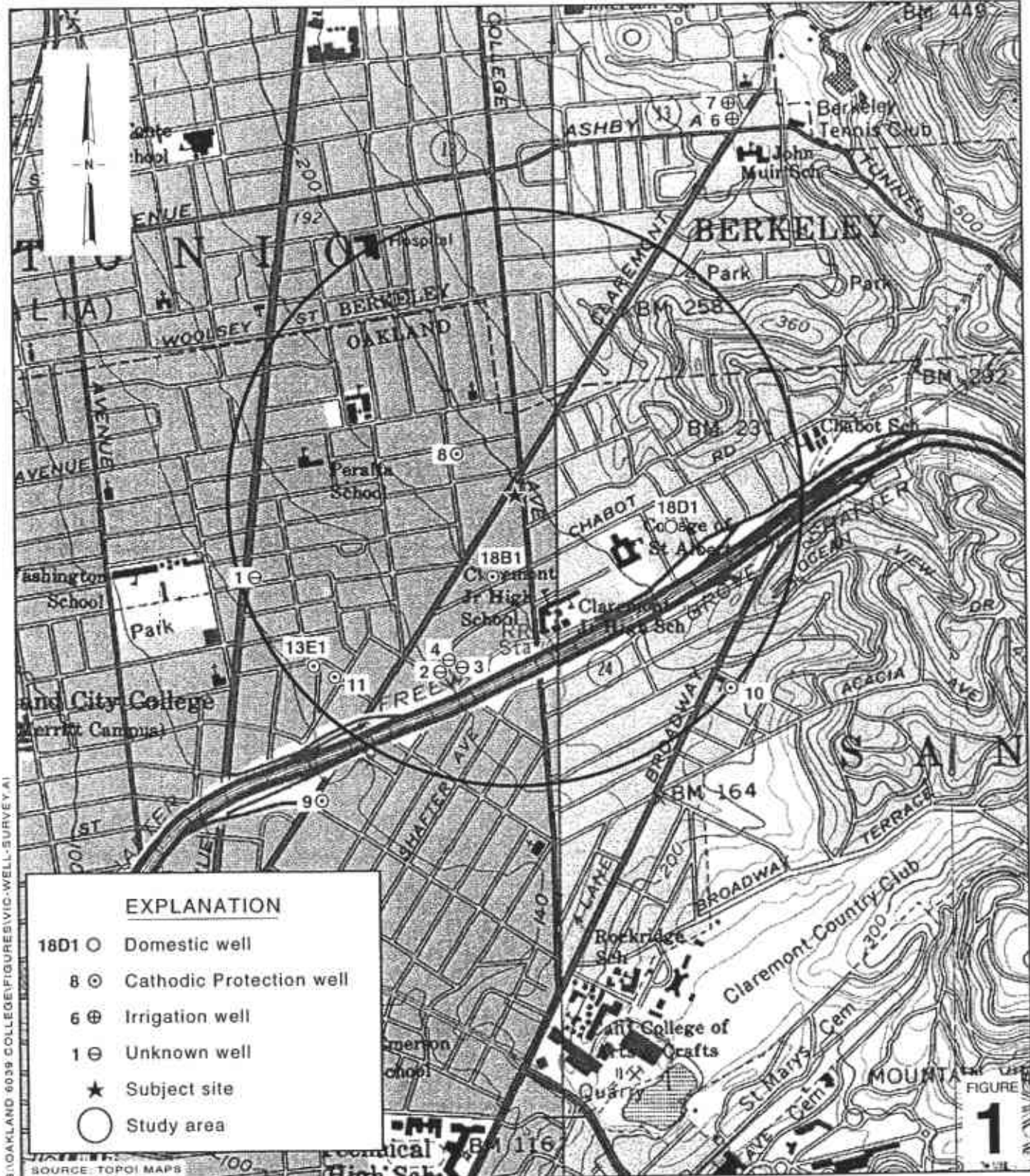
- Figures:
- 1 - Vicinity/Area Well Survey Map
  - 2 - Groundwater Elevation Contour Map
  - 3 - VacOPs/DVE Effect on MTBE Concentration – MW-3
  - 4 - VacOPs/DVE Effect on MTBE Concentration – MW-4

- Table:
- 1 - Groundwater Extraction – Mass Removal Data
  - 2- TRPH and SVOC Analytical Data

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Denis Brown, Shell Oil Products US, 20945 S. Wilmington Ave., Carson, CA 90810  
Russell J. Bruzzone, Inc., 899 Hope Lane, Lafayette, CA 94549  
Montrose Investment Co., 242 Rivera Circle, Greenbrae Marina, Larkspur, CA 94939  
Attn: Jim Graham

G:\Oakland 6039 College\QM\1q05\1q05qm.doc



G:\OAKLAND 6039 COLLEGE\FIGURE\VIC-WELL-SURVEY.A

**Shell-branded Service Station**  
 6039 College Avenue  
 Oakland, California  
 Incident #98995745



C A M B R I A

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



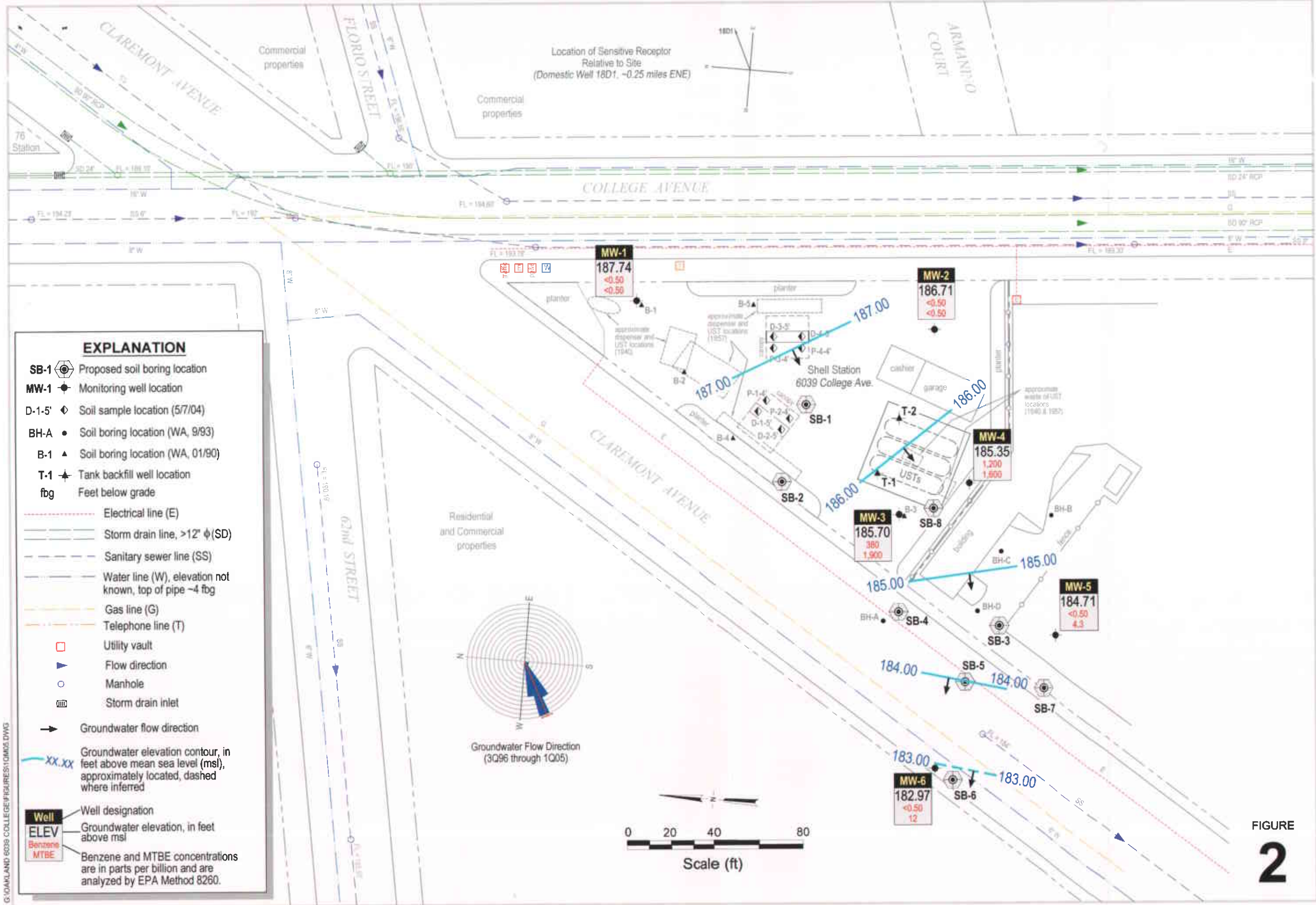


FIGURE 2



VacOps/DVE Effect on MTBE Concentration - MW-3  
6039 College, Oakland

Date	DTW-ft
2/11/00	12.85
5/4/00	17.05
8/31/00	16.47
8/31/00	14.26
11/30/00	15.75
2/13/01	13.05
5/29/01	13.84
7/30/01	15.46
12/12/01	12.93
1/31/02	11.88
5/31/02	13.65
7/25/02	15.04
11/26/02	17.15
01/29/03	12.21
06/03/03	13.40
8/27/03	15.14
11/13/03	16.46
2/5/04	12.84
5/3/04	12.57
8/30/04	14.76
11/22/04	14.58
2/2/05	11.48

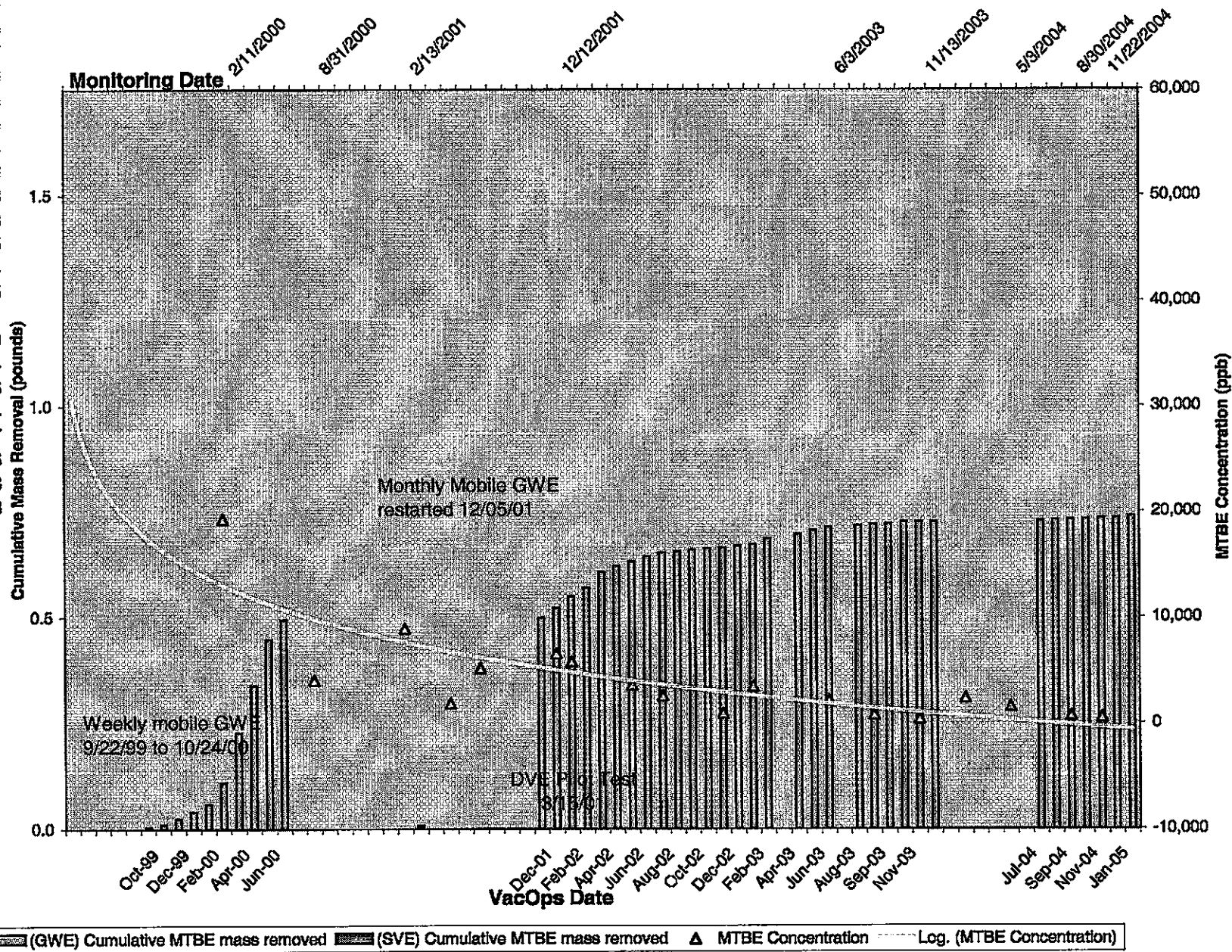


Figure 3



VacOps/DVE Effect on MTBE Concentration - MW-4  
6039 College, Oakland

Date	DTW-ft
2/11/00	14.82
5/4/00	12.64
8/31/00	16.47
11/30/00	17.67
2/13/01	13.30
5/31/01	15.08
7/30/01	16.28
12/12/01	13.81
1/31/02	12.80
05/31/02	14.59
7/25/02	15.94
11/28/02	18.10
01/29/03	13.08
6/3/03	14.29
8/27/03	16.14
11/13/03	17.35
2/5/04	13.52
5/3/04	12.65
8/30/04	15.64
11/22/04	15.72
2/2/05	12.68

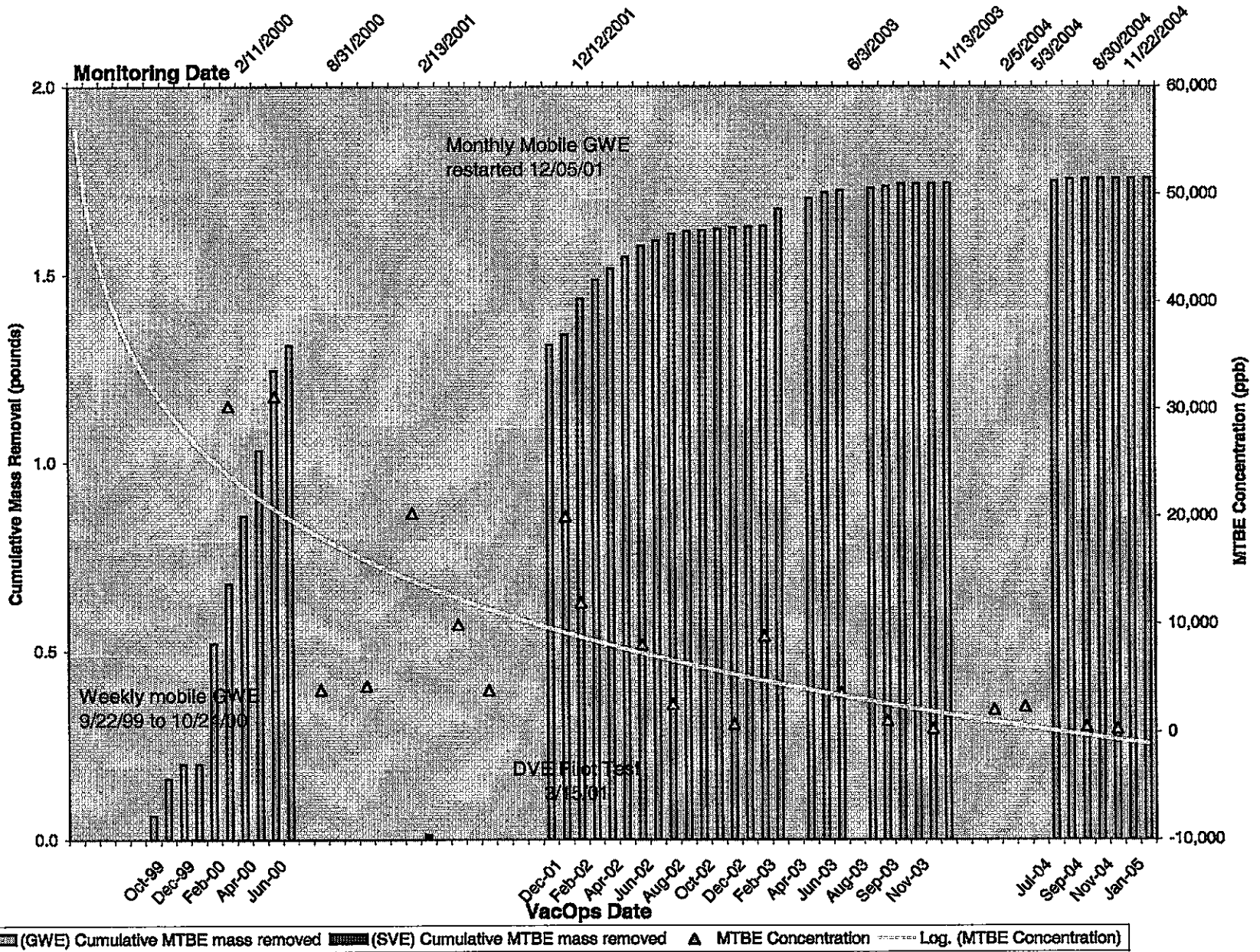


Figure 4

**Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995745, 6039 College Avenue, Oakland, California**

Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH			Benzene			MTBE		
					TPPH Concentration (ppb)	TPPH Removed (pounds)	TPPH To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE To Date (pounds)
09/22/99	MW-3	115	115	08/31/99	1,550	0.00149	0.00149	232	0.00022	0.00022	4,620	0.00443	0.00443
10/06/99	MW-3	40	155	08/31/99	1,550	0.00052	0.00200	232	0.00008	0.00030	4,620	0.00154	0.00598
10/14/99	MW-3	50	205	08/31/99	1,550	0.00065	0.00265	232	0.00010	0.00040	4,620	0.00193	0.00790
10/18/99	MW-3	30	235	08/31/99	1,550	0.00039	0.00304	232	0.00006	0.00045	4,620	0.00116	0.00906
10/29/99	MW-3	30	265	08/31/99	1,550	0.00039	0.00343	232	0.00006	0.00051	4,620	0.00116	0.01022
11/03/99	MW-3	30	295	08/31/99	1,550	0.00039	0.00382	232	0.00006	0.00057	4,620	0.00116	0.01137
11/10/99	MW-3	30	325	08/31/99	1,550	0.00039	0.00420	232	0.00006	0.00063	4,620	0.00116	0.01253
11/19/99	MW-3	169	494	08/31/99	1,550	0.00219	0.00639	232	0.00033	0.00096	4,620	0.00652	0.01904
11/24/99	MW-3	160	654	08/31/99	1,550	0.00207	0.00846	232	0.00031	0.00127	4,620	0.00617	0.02521
12/02/99	MW-3	200	854	08/31/99	1,550	0.00259	0.01105	232	0.00039	0.00165	4,620	0.00771	0.03292
12/10/99	MW-3	60	914	08/31/99	1,550	0.00078	0.01182	232	0.00012	0.00177	4,620	0.00231	0.03524
12/17/99	MW-3	150	1,064	08/31/99	1,550	0.00194	0.01376	232	0.00029	0.00206	4,620	0.00578	0.04102
01/03/00	MW-3	0	1,064	08/31/99	1,550	0.00000	0.01376	232	0.00000	0.00206	4,620	0.00000	0.04102
01/07/00	MW-3	0	1,064	08/31/99	1,550	0.00000	0.01376	232	0.00000	0.00206	4,620	0.00000	0.04102
01/13/00	MW-3	360	1,424	08/31/99	1,550	0.00466	0.01842	232	0.00070	0.00276	4,620	0.01388	0.05490
01/21/00	MW-3	40	1,464	08/31/99	1,550	0.00052	0.01894	232	0.00008	0.00283	4,620	0.00154	0.05644
01/25/00	MW-3	80	1,544	08/31/99	1,550	0.00103	0.01997	232	0.00015	0.00299	4,620	0.00308	0.05952
02/01/00	MW-3	165	1,709	08/31/99	1,550	0.00213	0.02210	232	0.00032	0.00331	4,620	0.00636	0.06588
02/11/00	MW-3	24	1,733	02/11/00	10,900	0.00218	0.02429	1,030	0.00021	0.00351	19,300	0.00387	0.06975
02/15/00	MW-3	150	1,883	02/11/00	10,900	0.01364	0.03793	1,030	0.00129	0.00480	19,300	0.02416	0.09391
02/23/00	MW-3	100	1,983	02/11/00	10,900	0.00910	0.04703	1,030	0.00086	0.00566	19,300	0.01610	0.11001
03/02/00	MW-3	168	2,151	02/11/00	10,900	0.01528	0.06231	1,030	0.00144	0.00711	19,300	0.02706	0.13707
03/10/00	MW-3	270	2,421	02/11/00	10,900	0.02456	0.08686	1,030	0.00232	0.00943	19,300	0.04348	0.18055
03/15/00	MW-3	96	2,517	02/11/00	10,900	0.00873	0.09559	1,030	0.00083	0.01025	19,300	0.01546	0.19601
03/21/00	MW-3	100	2,617	02/11/00	10,900	0.00910	0.10469	1,030	0.00086	0.01111	19,300	0.01610	0.21211
03/27/00	MW-3	100	2,717	02/11/00	10,900	0.00910	0.11378	1,030	0.00086	0.01197	19,300	0.01610	0.22822
04/07/00	MW-3	160	2,877	02/11/00	10,900	0.01455	0.12834	1,030	0.00138	0.01335	19,300	0.02577	0.25399
04/13/00	MW-3	120	2,997	02/11/00	10,900	0.01091	0.13925	1,030	0.00103	0.01438	19,300	0.01933	0.27331
04/18/00	MW-3	180	3,177	02/11/00	10,900	0.01637	0.15562	1,030	0.00155	0.01593	19,300	0.02899	0.30230

**Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995745, 6039 College Avenue, Oakland, California**

Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH			Benzene			MTBE		
					TPPH Concentration (ppb)	TPPH Removed (pounds)	TPPH To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE To Date (pounds)
04/26/00	MW-3	225	3,402	02/11/00	10,900	0.02046	0.17609	1,030	0.00193	0.01786	19,300	0.03624	0.33853
05/04/00	MW-3	160	3,562	02/11/00	10,900	0.01455	0.19064	1,030	0.00138	0.01923	19,300	0.02577	0.36430
05/09/00	MW-3	180	3,742	02/11/00	10,900	0.01637	0.20701	1,030	0.00155	0.02078	19,300	0.02899	0.39329
05/17/00	MW-3	138	3,880	02/11/00	10,900	0.01255	0.21956	1,030	0.00119	0.02197	19,300	0.02222	0.41551
05/22/00	MW-3	200	4,080	02/11/00	10,900	0.01819	0.23775	1,030	0.00172	0.02369	19,300	0.03221	0.44772
06/01/00	MW-3	120	4,200	02/11/00	10,900	0.01091	0.24867	1,030	0.00103	0.02472	19,300	0.01933	0.46705
06/08/00	MW-3	170	4,370	02/11/00	10,900	0.01546	0.26413	1,030	0.00146	0.02618	19,300	0.02738	0.49443
11/05/01	MW-3	100	4,470	07/30/01	2,700	0.00225	0.26638	250	0.00021	0.02639	5,200	0.00434	0.49877
12/05/01	MW-3	500	4,970	07/30/01	2,700	0.01126	0.27765	250	0.00104	0.02743	5,200	0.02170	0.52046
01/25/02	MW-3	500	5,470	12/12/01	<10,000	0.02086	0.29851	720	0.00300	0.03043	6,600	0.02754	0.54800
02/13/02	MW-3	411	5,881	01/31/02	11,000	0.03772	0.33623	750	0.00257	0.03301	5,800	0.01989	0.56789
03/13/02	MW-3	783	6,664	01/31/02	11,000	0.07187	0.40810	750	0.00490	0.03791	5,800	0.03790	0.60578
04/17/02	MW-3	300	6,964	01/31/02	11,000	0.02754	0.43564	750	0.00188	0.03978	5,800	0.01452	0.62030
05/15/02	MW-3	215	7,179	01/31/02	11,000	0.01973	0.45538	750	0.00135	0.04113	5,800	0.01041	0.63071
06/14/02	MW-3	385	7,564	05/31/02	5,100	0.01638	0.47176	410	0.00132	0.04245	3,600	0.01157	0.64227
07/12/02	MW-3	300	7,864	05/31/02	5,100	0.01277	0.48453	410	0.00103	0.04347	3,600	0.00901	0.65129
08/16/02	MW-3	100	7,964	07/25/02	2,100	0.00175	0.48628	170	0.00014	0.04362	2,600	0.00217	0.65346
09/18/02	MW-3	229	8,193	07/25/02	2,100	0.00401	0.49029	170	0.00032	0.04394	2,600	0.00497	0.65842
10/29/02	MW-3	151	8,344	07/25/02	2,100	0.00265	0.49294	170	0.00021	0.04415	2,600	0.00328	0.66170
11/18/02	MW-3	81	8,425	07/25/02	2,100	0.00142	0.49436	170	0.00011	0.04427	2,600	0.00176	0.66346
12/21/02	MW-3	459	8,884	11/26/02	510	0.00195	0.49631	26	0.00010	0.04437	940	0.00360	0.66706
01/15/03	MW-3	619	9,503	11/26/02	510	0.00263	0.49894	26	0.00013	0.04450	940	0.00486	0.67191
02/18/03	MW-3	470	9,973	01/29/03	6,000	0.02353	0.52248	460	0.00180	0.04631	3,500	0.01373	0.68564
04/29/03	MW-3	350	10,323	01/29/03	6,000	0.01752	0.54000	460	0.00134	0.04765	3,500	0.01022	0.69586
05/27/03	MW-3	300	10,623	01/29/03	6,000	0.01502	0.55502	460	0.00115	0.04880	3,500	0.00876	0.70462
06/30/03	MW-3	450	11,073	06/03/03	5,300	0.01990	0.57492	350	0.00131	0.05012	2,200	0.00826	0.71288
08/02/03	MW-3	200	11,273	06/03/03	5,300	0.00885	0.58376	350	0.00058	0.05070	2,200	0.00367	0.71655
08/29/03	MW-3	156	11,429	06/03/03	5,300	0.00690	0.59066	350	0.00046	0.05116	2,200	0.00286	0.71942
09/08/03	MW-3	200	11,629	06/03/03	5,300	0.00885	0.59951	350	0.00058	0.05174	2,200	0.00367	0.72309

**Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995745, 6039 College Avenue, Oakland, California**

Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH			Benzene			MTBE		
					TPPH Concentration (ppb)	TPPH Removed (pounds)	TPPH To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE To Date (pounds)
10/13/03	MW-3	193	11,822	08/27/03	700	0.00113	0.60064	100	0.00016	0.05190	810	0.00130	0.72439
11/14/03	MW-3	75	11,897	11/13/03	590	0.00037	0.60101	36	0.00002	0.05192	440	0.00028	0.72467
12/12/03	MW-3	125	12,022	11/13/03	590	0.00062	0.60162	36	0.00004	0.05196	440	0.00046	0.72513
07/21/04	MW-3	200	12,222	05/03/04	2,600	0.00434	0.60596	210	0.00035	0.05231	1,600	0.00267	0.72780
08/23/04	MW-3	120	12,342	05/03/04	2,600	0.00260	0.60856	210	0.00021	0.05252	1,600	0.00160	0.72940
09/20/04	MW-3	147	12,489	08/30/04	2,100	0.00258	0.61114	120	0.00015	0.05267	730	0.00090	0.73030
10/18/04	MW-3	250	12,739	08/30/04	2,100	0.00438	0.61552	120	0.00025	0.05292	730	0.00152	0.73182
11/30/04**	MW-3	297	13,036	11/22/04	2,600	0.00644	0.62196	160	0.00040	0.05332	570	0.00141	0.73323
12/16/04	MW-3	125	13,161	11/22/04	2,600	0.00271	0.62468	160	0.00017	0.05348	570	0.00059	0.73383
01/27/05	MW-3	958	14,119	11/22/04	2,600	0.02078	0.64546	160	0.00128	0.05476	570	0.00456	0.73838
09/22/99	MW-4	100	100	11/03/97	32,000	0.02670	0.02670	1,100	0.00092	0.00092	78,000	0.06509	0.06509
10/06/99	MW-4	60	160	11/03/97	32,000	0.01602	0.04272	1,100	0.00055	0.00147	78,000	0.03905	0.10414
10/14/99	MW-4	30	190	11/03/97	32,000	0.00801	0.05073	1,100	0.00028	0.00174	78,000	0.01953	0.12366
10/18/99	MW-4	30	220	11/03/97	32,000	0.00801	0.05874	1,100	0.00028	0.00202	78,000	0.01953	0.14319
10/29/99	MW-4	30	250	11/03/97	32,000	0.00801	0.06675	1,100	0.00028	0.00229	78,000	0.01953	0.16271
11/03/99	MW-4	30	280	11/03/97	32,000	0.00801	0.07477	1,100	0.00028	0.00257	78,000	0.01953	0.18224
11/10/99	MW-4	30	310	11/03/97	32,000	0.00801	0.08278	1,100	0.00028	0.00285	78,000	0.01953	0.20177
11/19/99	MW-4	0	310	11/03/97	32,000	0.00000	0.08278	1,100	0.00000	0.00285	78,000	0.00000	0.20177
11/24/99	MW-4	0	310	11/03/97	32,000	0.00000	0.08278	1,100	0.00000	0.00285	78,000	0.00000	0.20177
12/02/99	MW-4	0	310	11/03/97	32,000	0.00000	0.08278	1,100	0.00000	0.00285	78,000	0.00000	0.20177
12/10/99	MW-4	0	310	11/03/97	32,000	0.00000	0.08278	1,100	0.00000	0.00285	78,000	0.00000	0.20177
12/17/99	MW-4	0	310	11/03/97	32,000	0.00000	0.08278	1,100	0.00000	0.00285	78,000	0.00000	0.20177
01/03/00	MW-4	0	310	11/03/97	32,000	0.00000	0.08278	1,100	0.00000	0.00285	78,000	0.00000	0.20177
01/07/00	MW-4	0	310	11/03/97	32,000	0.00000	0.08278	1,100	0.00000	0.00285	78,000	0.00000	0.20177
01/13/00	MW-4	350	660	11/03/97	32,000	0.09346	0.17623	1,100	0.00321	0.00606	78,000	0.22780	0.42957
01/21/00	MW-4	40	700	11/03/97	32,000	0.01068	0.18691	1,100	0.00037	0.00643	78,000	0.02603	0.45560
01/25/00	MW-4	100	800	11/03/97	32,000	0.02670	0.21362	1,100	0.00092	0.00734	78,000	0.06509	0.52069
02/01/00	MW-4	165	965	11/03/97	32,000	0.04406	0.25767	1,100	0.00151	0.00886	78,000	0.10739	0.62808

**Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995745, 6039 College Avenue, Oakland, California**

Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH			Benzene			MTBE		
					TPPH Concentration (ppb)	TPPH Removed (pounds)	TPPH Removed To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene Removed To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE Removed To Date (pounds)
02/11/00	MW-4	19	984	02/11/00	47,200	0.00748	0.26516	905	0.00014	0.00900	27,400	0.00434	0.63242
02/15/00	MW-4	100	1,084	02/11/00	47,200	0.03939	0.30454	905	0.00076	0.00976	27,400	0.02286	0.65529
02/23/00	MW-4	100	1,184	02/11/00	47,200	0.03939	0.34393	905	0.00076	0.01051	27,400	0.02286	0.67815
03/02/00	MW-4	270	1,454	02/11/00	47,200	0.10634	0.45027	905	0.00204	0.01255	27,400	0.06173	0.73988
03/10/00	MW-4	220	1,674	02/11/00	47,200	0.08665	0.53692	905	0.00166	0.01421	27,400	0.05030	0.79018
03/15/00	MW-4	96	1,770	02/11/00	47,200	0.03781	0.57473	905	0.00072	0.01494	27,400	0.02195	0.81213
03/21/00	MW-4	100	1,870	02/11/00	47,200	0.03939	0.61411	905	0.00076	0.01569	27,400	0.02286	0.83499
03/27/00	MW-4	100	1,970	02/11/00	47,200	0.03939	0.65350	905	0.00076	0.01645	27,400	0.02286	0.85786
04/07/00	MW-4	113	2,083	02/11/00	47,200	0.04451	0.69800	905	0.00085	0.01730	27,400	0.02584	0.88369
04/13/00	MW-4	110	2,193	02/11/00	47,200	0.04332	0.74133	905	0.00083	0.01813	27,400	0.02515	0.90884
04/18/00	MW-4	225	2,418	02/11/00	47,200	0.08862	0.82994	905	0.00170	0.01983	27,400	0.05144	0.96029
04/26/00	MW-4	315	2,733	02/11/00	47,200	0.12406	0.95401	905	0.00238	0.02221	27,400	0.07202	1.03231
05/04/00	MW-4	150	2,883	02/11/00	47,200	0.05908	1.01308	905	0.00113	0.02334	27,400	0.03430	1.06660
05/09/00	MW-4	315	3,198	02/11/00	47,200	0.12406	1.13715	905	0.00238	0.02572	27,400	0.07202	1.13862
05/17/00	MW-4	270	3,468	02/11/00	47,200	0.10634	1.24349	905	0.00204	0.02776	27,400	0.06173	1.20035
05/22/00	MW-4	200	3,668	02/11/00	47,200	0.07877	1.32226	905	0.00151	0.02927	27,400	0.04573	1.24608
06/05/00	MW-4	125	3,793	02/11/00	47,200	0.04923	1.37149	905	0.00094	0.03021	27,400	0.02858	1.27466
06/08/00	MW-4	170	3,963	02/11/00	47,200	0.06696	1.43845	905	0.00128	0.03150	27,400	0.03887	1.31353
11/05/01	MW-4*	0	3,963	07/30/01	6,700	0.00000	1.43845	260	0.00000	0.03150	3,900	0.00000	1.31353
12/05/01	MW-4	850	4,813	07/30/01	6,700	0.04752	1.48597	260	0.00184	0.03334	3,900	0.02766	1.34119
01/25/02	MW-4	578	5,391	12/12/01	15,000	0.07235	1.55831	1,300	0.00627	0.03961	20,000	0.09646	1.43765
02/13/02	MW-4	500	5,891	01/31/02	12,000	0.05007	1.60838	1,500	0.00626	0.04587	12,000	0.05007	1.48772
03/13/02	MW-4	300	6,191	01/31/02	12,000	0.03004	1.63842	1,500	0.00375	0.04962	12,000	0.03004	1.51776
04/17/02	MW-4	309	6,500	01/31/02	12,000	0.03094	1.66936	1,500	0.00387	0.05349	12,000	0.03094	1.54870
05/15/02	MW-4	291	6,791	01/31/02	12,000	0.02914	1.69850	1,500	0.00364	0.05713	12,000	0.02914	1.57784
06/14/02	MW-4	200	6,991	05/31/02	8,200	0.01368	1.71218	1,100	0.00184	0.05897	8,100	0.01352	1.59135
07/12/02	MW-4	263	7,254	05/31/02	8,200	0.01800	1.73018	1,100	0.00241	0.06138	8,100	0.01778	1.60913
08/16/02	MW-4	322	7,576	07/25/02	3,300	0.00887	1.73905	290	0.00078	0.06216	2,600	0.00699	1.61612
09/18/02	MW-4	150	7,726	07/25/02	3,300	0.00413	1.74318	290	0.00036	0.06253	2,600	0.00325	1.61937



**Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995745, 6039 College Avenue, Oakland, California**

Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH			Benzene			MTBE		
					TPPH Concentration (ppb)	TPPH Removed (pounds)	TPPH To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE To Date (pounds)
10/29/02	MW-4	100	7,826	07/25/02	3,300	0.00275	1.74593	290	0.00024	0.06277	2,600	0.00217	1.62154
11/18/02	MW-4	200	8,026	07/25/02	3,300	0.00551	1.75144	290	0.00048	0.06325	2,600	0.00434	1.62588
12/21/02	MW-4	400	8,426	11/26/02	1,400	0.00467	1.75611	89	0.00030	0.06355	770	0.00257	1.62845
01/15/03	MW-4	400	8,826	11/26/02	1,400	0.00467	1.76078	89	0.00030	0.06385	770	0.00257	1.63102
02/18/03	MW-4	600	9,426	01/29/03	7,400	0.03705	1.79783	1,400	0.00701	0.07086	8,900	0.04456	1.67558
04/29/03	MW-4	384	9,810	01/29/03	7,400	0.02371	1.82154	1,400	0.00449	0.07534	8,900	0.02852	1.70410
05/27/03	MW-4	196	10,006	01/29/03	7,400	0.01210	1.83365	1,400	0.00229	0.07763	8,900	0.01456	1.71865
06/30/03	MW-4	207	10,213	06/03/03	5,600	0.00967	1.84332	990	0.00171	0.07934	3,700	0.00639	1.72504
08/02/03	MW-4	193	10,406	06/03/03	5,600	0.00902	1.85234	990	0.00159	0.08094	3,700	0.00596	1.73100
08/29/03	MW-4	156	10,562	06/03/03	5,600	0.00729	1.85963	990	0.00129	0.08222	3,700	0.00482	1.73582
09/08/03	MW-4	193	10,755	06/03/03	5,600	0.00902	1.86865	990	0.00159	0.08382	3,700	0.00596	1.74178
10/13/03	MW-4	100	10,855	08/27/03	1,500	0.00125	1.86990	220	0.00018	0.08400	1,100	0.00092	1.74269
11/14/03	MW-4	100	10,955	11/13/03	3,100	0.00259	1.87248	140	0.00012	0.08412	340	0.00028	1.74298
12/12/03	MW-4	218	11,173	11/13/03	3,100	0.00564	1.87812	140	0.00025	0.08437	340	0.00062	1.74360
07/21/04	MW-4	298	11,471	05/03/04	9,300	0.02313	1.90125	1,400	0.00348	0.08786	2,400	0.00597	1.74956
08/23/04	MW-4	268	11,739	05/03/04	9,300	0.02080	1.92205	1,400	0.00313	0.09099	2,400	0.00537	1.75493
09/20/04	MW-4	200	11,939	08/30/04	2,700	0.00451	1.92655	270	0.00045	0.09144	540	0.00090	1.75583
10/18/04	MW-4	100	12,039	08/30/04	2,700	0.00225	1.92880	270	0.00023	0.09166	540	0.00045	1.75628
11/30/04**	MW-4	99	12,138	11/22/04	2,200	0.00182	1.93062	310	0.00026	0.09192	340	0.00028	1.75656
12/16/04	MW-4	245	12,383	11/22/04	2,200	0.00450	1.93512	310	0.00063	0.09255	340	0.00070	1.75726
01/27/05	MW-4	0	12,383	11/22/04	2,200	0.00000	1.93512	310	0.00000	0.09255	340	0.00000	1.75726
<b>Total Gallons Extracted:</b>			<b>26,502</b>	<b>Total Pounds Removed:</b>			<b>2.58058</b>	<b>0.14731</b>			<b>2.49564</b>		
				<b>Total Gallons Removed:</b>			<b>0.42305</b>	<b>0.02018</b>			<b>0.40252</b>		

**Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995745, 6039 College Avenue, Oakland, California**

Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH			Benzene			MTBE		
					TPPH Concentration (ppb)	TPPH Removed (pounds)	TPPH Removed To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene Removed To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE Removed To Date (pounds)

**Abbreviations & Notes:**

TPPH = Total purgeable hydrocarbons as gasoline

MtBE = Methyl tert-butyl ether

ppb = Parts per billion

gal = Gallon

Mass removed based on the formula: volume extracted (gal) x Concentration (µg/L) x (g/10<sup>6</sup>µg) x (pound/453.6g) x (3.785 L/gal)

Volume removal data based on the formula: density (in gms/cc) x 9.339 (ccxlbs/gmsxgals)

TPPH, benzene analyzed by EPA Method 8015/8020

MTBE analyzed by EPA Method 8260 in bold font, all other MTBE analyzed by EPA Method 8020

Concentrations based on most recent groundwater monitoring results

Groundwater extracted by vacuum trucks provided by ACTI between September 22, 1999 and November 10, 1999, and from November 5, 2001 through December 5, 2001, and by Blaine Tech Services from November 19, 1999 to June 8, 2000.

Groundwater extracted by vacuum trucks provided by Onyx Industrial from January 25, 2002 and on. Water disposed of at a Martinez refinery.

\* = Well dry

\*\* = Volume per well estimated from total volume reported for MW-3 and MW-4

**Table 2: TRPH and SVOC Analytical Data- Shell-branded Service Station, Incident #98995745, 6039 College Avenue, Oakland, CA**

Sample ID	Date Sampled	TRPH (mg/L)	Bis(2-ethylhexyl)	2-Methyl-	4-Methylphenol	Napthalene	Phenol
			phthalate	naphthalene	(Concentrations in ug/L)		
MW-3	08/19/96	9.2	<100	<50	<50	<50	<50
MW-3	12/05/96	6.1	<100	<50	<50	<50	<50
MW-3	02/20/97	<5	<100	<50	<50	23	<50
MW-3	05/30/97	---	---	---	---	---	---
MW-3	08/18/97	---	---	---	---	---	---
MW-3	01/20/98	<5	<100	<50	<50	13	<50
MW-3	02/11/99	<5	<100	<50	<50	13	19
MW-3	08/05/99	<5	---	---	---	---	---
MW-3	02/11/00	11.7	20.9	8.42	8.22	52.1	26.3
MW-3	02/13/01	<5	22	8.4	<50	39	<50
MW-3	01/31/02 <sup>(1)</sup>	3.6	23	22	<10	140	<10
MW-3	01/29/03 <sup>(2)</sup>	3.3	23	23	NA	91	<10
MW-3	02/05/04 <sup>(2)</sup>	2.3	<10	4.9	<2.0	14	<2.0
MW-3	02/02/05 <sup>(2)</sup>	3.3	<10	6.6	<2.0	19	<2.0
MW-4	08/19/96	---	---	---	---	---	---
MW-4	12/05/96	---	<100	<50	<50	<50	<50
MW-4	02/20/97	8.7	<100	<50	<50	5.6	<50
MW-4	05/30/97	8.1	<100	<50	<50	<50	<50
MW-4	08/18/97	67	<100	<50	<50	<50	<50
MW-4	01/20/98	---	---	---	---	---	---
MW-4	02/11/99	---	---	---	---	---	---
MW-4	08/05/99	---	---	---	---	---	---
MW-4	02/11/00	178	14	42.2	<50	158	32.4
MW-4	02/13/01	13.3	410	<50	<50	160	<50
MW-4	01/31/02 <sup>(1)</sup>	21	260	29	<10	190	<10
MW-4	01/29/03 <sup>(2)</sup>	16	38	23	NA	140	<10
MW-4	02/05/04 <sup>(2)</sup>	13	<10	4.7	<2.0	31	<2.0
MW-4	02/02/05 <sup>(2)</sup>	12	<10	7.3	<2.0	39	3.9

---

**Table 2: TRPH and SVOC Analytical Data- Shell-branded Service Station, Incident #98995745, 6039 College Avenue, Oakland, CA**

---

**Abbreviations & Notes:**

TRPH = Total recoverable petroleum hydrocarbons; currently analyzed by EPA Method 1664A

SVOCs = Semi-volatile organic compounds

Bis(2-ethylhexyl)phthalate, 2-Methylnaphthalene, 4-Methylphenol, Napthalene, Phenol analyzed using EPA Method 8270

--- = Not analyzed

<sup>(1)</sup> Hexane extractable Material analyzed by EPA Method 1664

<sup>(2)</sup> Oil and Grease - silica gel treated - analyzed using SM5520B/F

---

**ATTACHMENT A**  
**Blaine Groundwater Monitoring Report**  
**and Field Notes**



---

**BLAINE**  
**TECH SERVICES INC.**

---

GROUNDWATER SAMPLING SPECIALISTS  
SINCE 1985

March 10, 2005

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

First Quarter 2005 Groundwater Monitoring at  
Shell-branded Service Station  
6039 College Avenue  
Oakland, CA

Monitoring performed on February 2, 2005

---

Groundwater Monitoring Report **050202-BA-1**

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

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

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

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

Please call if you have any questions.

Yours truly,

Leon Gearhart  
Project Coordinator

LG/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**  
**6039 College Avenue**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2 DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-1	02/15/1990	95	650	ND	0.67	0.37	3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	17.73	NA	178.16	NA	NA
MW-1	04/19/1990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	18.51	NA	177.38	NA	NA
MW-1	05/14/1990	95	ND	0.7	0.57	0.71	3.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	18.92	NA	176.97	NA	NA
MW-1	06/21/1990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	18.21	NA	177.68	NA	NA
MW-1	09/12/1990	ND	84	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	19.81	NA	176.08	NA	NA
MW-1	11/27/1990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	20.39	NA	175.50	NA	NA
MW-1	03/08/1991	ND	50	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	16.85	NA	179.04	NA	NA
MW-1	06/03/1991	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	17.82	NA	178.07	NA	NA
MW-1	08/30/1991	16.85	520	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	19.87	NA	176.02	NA	NA
MW-1	11/22/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	20.58	NA	175.31	NA	NA
MW-1	03/18/1992	<30	<50	<0.3	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	13.55	NA	182.34	NA	NA
MW-1	05/28/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	17.08	NA	178.81	NA	NA
MW-1	08/19/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	19.07	NA	176.82	NA	NA
MW-1	11/17/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	20.11	NA	175.78	NA	NA
MW-1	02/12/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	12.10	NA	183.79	NA	NA
MW-1	06/10/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	14.87	NA	181.02	NA	NA
MW-1	08/18/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	16.90	NA	178.99	NA	NA
MW-1	11/19/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	19.72	NA	176.17	NA	NA
MW-1	02/28/1994	<50	NA	<0.5	<0.5	<0.5	1.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	15.08	NA	180.81	NA	NA
MW-1	05/04/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	17.20	NA	178.69	NA	NA
MW-1	08/10/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	18.76	NA	177.13	NA	NA
MW-1	11/08/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	16.00	NA	179.89	NA	NA
MW-1	02/01/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	10.18	NA	185.71	NA	NA
MW-1	05/10/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	11.88	NA	184.01	NA	NA
MW-1	08/24/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	15.60	NA	180.29	NA	NA
MW-1	11/10/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	18.24	NA	177.65	NA	NA
MW-1	02/24/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	9.88	NA	186.01	NA	NA
MW-1	05/22/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	195.89	12.24	NA	183.65	NA	NA
MW-1	08/19/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	195.89	15.86	NA	180.03	NA	NA
MW-1	12/05/1996	160	NA	7.3	8.2	5.5	23	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	195.89	16.21	NA	179.68	NA	NA
MW-1	01/08/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	195.89	9.73	NA	186.16	NA	NA
MW-1	02/20/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	195.89	11.60	NA	184.29	NA	NA
MW-1	05/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	15.02	NA	180.87	NA	NA
MW-1	08/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	17.20	NA	178.69	NA	NA
MW-1	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	16.02	NA	179.87	NA	NA
MW-1	01/20/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	9.35	NA	186.54	NA	NA
MW-1	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	11.75	NA	184.14	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**6039 College Avenue**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2 DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-1	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	13.32	NA	182.57	NA	NA
MW-1	11/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	14.01	NA	181.88	NA	NA
MW-1	02/03/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	15.62	NA	180.27	NA	NA
MW-1	06/04/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	14.72	NA	181.17	NA	NA
MW-1	08/31/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	17.00	NA	178.89	NA	NA
MW-1	12/10/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	18.36	NA	177.53	NA	NA
MW-1	02/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	15.09	NA	180.80	NA	NA
MW-1	05/04/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	12.97	NA	182.92	NA	NA
MW-1	08/31/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	15.02	NA	180.87	NA	NA
MW-1	11/30/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	12.90	NA	182.99	NA	NA
MW-1	02/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	14.28	NA	181.61	NA	NA
MW-1	05/29/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	16.04	NA	179.85	NA	NA
MW-1	07/30/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	17.53	NA	178.36	NA	NA
MW-1	12/12/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	14.79	NA	181.10	NA	NA
MW-1	01/31/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	195.89	13.71	NA	182.18	NA	NA
MW-1	05/31/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	15.63	NA	180.26	NA	NA
MW-1	07/25/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.89	17.08	NA	178.81	NA	NA
MW-1	11/26/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	200.56	19.30	NA	181.26	NA	NA
MW-1	01/29/2003	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	200.56	13.90	NA	186.66	NA	NA
MW-1	06/03/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	200.56	15.30	NA	185.26	NA	NA
MW-1	08/27/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	200.56	17.32	NA	183.24	NA	NA
MW-1	11/13/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	200.56	18.61	NA	181.95	NA	NA
MW-1	02/05/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	NA	NA	NA	200.56	14.46	NA	186.10	NA	NA
MW-1	05/03/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	200.56	14.52	NA	186.04	NA	NA
MW-1	08/30/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	200.56	16.73	NA	183.83	NA	NA
MW-1	11/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	200.56	16.86	NA	183.70	NA	NA
MW-1	02/02/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	NA	NA	NA	200.56	12.82	NA	187.74	NA	NA
MW-2	02/15/1990	ND	560	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	16.90	NA	177.37	NA	NA
MW-2	04/19/1990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	17.69	NA	176.58	NA	NA
MW-2	05/14/1990	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	18.01	NA	176.26	NA	NA
MW-2	06/21/1990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	17.39	NA	176.88	NA	NA
MW-2	09/12/1990	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	19.00	NA	175.27	NA	NA
MW-2	11/27/1990	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	19.44	NA	174.83	NA	NA
MW-2	03/08/1991	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	15.96	NA	178.31	NA	NA
MW-2	06/03/1991	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	17.00	NA	177.27	NA	NA
MW-2	08/30/1991	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	18.95	NA	175.32	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**6039 College Avenue**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2 DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-2	11/22/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	19.55	NA	174.72	NA	NA
MW-2	03/18/1992	<30	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	12.91	NA	181.36	NA	NA
MW-2	05/28/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	16.25	NA	178.02	NA	NA
MW-2	08/19/1992	<50	NA	<0.5	2	1.2	1.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	18.21	NA	176.06	NA	NA
MW-2	11/17/1992	<50	NA	<0.5	2	1.2	1.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	19.15	NA	175.12	NA	NA
MW-2	02/12/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	11.60	NA	182.67	NA	NA
MW-2	06/10/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	14.14	NA	180.13	NA	NA
MW-2	08/18/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	16.10	NA	178.17	NA	NA
MW-2	11/19/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	18.77	NA	175.50	NA	NA
MW-2	02/28/1994	<50	NA	<0.5	<0.5	<0.5	1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	14.35	NA	179.92	NA	NA
MW-2	05/04/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	16.34	NA	177.93	NA	NA
MW-2	08/10/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	15.79	NA	178.48	NA	NA
MW-2	11/08/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	15.04	NA	179.23	NA	NA
MW-2	02/01/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	10.08	NA	184.19	NA	NA
MW-2	05/10/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	11.68	NA	182.59	NA	NA
MW-2	08/24/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	14.94	NA	179.33	NA	NA
MW-2	11/10/1995	<50	NA	1.7	0.8	1.4	4.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	13.36	NA	180.91	NA	NA
MW-2	02/24/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	9.90	NA	184.37	NA	NA
MW-2	05/22/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	194.27	11.80	NA	182.47	NA	NA
MW-2	08/19/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	194.27	15.08	NA	179.19	NA	NA
MW-2	12/05/1996	<50	NA	1.5	1.8	1.2	5.2	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	194.27	15.16	NA	179.11	NA	NA
MW-2	01/08/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	194.27	9.76	NA	184.51	NA	NA
MW-2	02/20/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	194.27	11.47	NA	182.80	NA	NA
MW-2	05/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	14.30	NA	179.97	NA	NA
MW-2	08/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	16.33	NA	177.94	NA	NA
MW-2	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	15.54	NA	178.73	NA	NA
MW-2	01/20/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	9.43	NA	184.84	NA	NA
MW-2	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	11.45	NA	182.82	NA	NA
MW-2	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	12.71	NA	181.56	NA	NA
MW-2	11/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	13.98	NA	180.29	NA	NA
MW-2	02/03/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	15.01	NA	179.26	NA	NA
MW-2	06/04/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	13.93	NA	180.34	NA	NA
MW-2	08/31/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	16.22	NA	178.05	NA	NA
MW-2	12/10/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	17.58	NA	176.69	NA	NA
MW-2	02/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	14.10	NA	180.17	NA	NA
MW-2	05/04/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	12.72	NA	181.55	NA	NA
MW-2	08/31/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	14.39	NA	179.88	NA	NA



**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**6039 College Avenue**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2 DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-2	11/30/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	17.00	NA	177.27	NA	NA
MW-2	02/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	13.58	NA	180.69	NA	NA
MW-2	05/29/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	15.26	NA	179.01	NA	NA
MW-2	07/30/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	18.67	NA	177.60	NA	NA
MW-2	12/12/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	13.91	NA	180.36	NA	NA
MW-2	01/31/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	194.27	12.96	NA	181.31	NA	NA
MW-2	05/31/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	14.85	NA	179.42	NA	NA
MW-2	07/25/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	194.27	16.24	NA	178.03	NA	NA
MW-2	11/26/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	198.95	18.35	NA	180.60	NA	NA
MW-2	01/29/2003	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	198.95	13.19	NA	185.76	NA	NA
MW-2	06/03/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	198.95	14.53	NA	184.42	NA	NA
MW-2	08/27/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	198.95	16.46	NA	182.49	NA	NA
MW-2	11/13/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	198.95	17.68	NA	181.27	NA	NA
MW-2	02/05/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	NA	NA	NA	198.95	13.68	NA	185.27	NA	NA
MW-2	05/03/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	198.95	13.82	NA	185.13	NA	NA
MW-2	08/30/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	198.95	15.94	NA	183.01	NA	NA
MW-2	11/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	198.95	15.96	NA	182.99	NA	NA
MW-2	02/02/2005	<50 e	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	NA	NA	NA	198.95	12.24	NA	186.71	NA	NA
MW-3	02/15/1990	4,700	3,100	320	29	110	33	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	15.81	NA	176.71	NA	NA
MW-3	04/19/1990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	16.57	NA	175.95	NA	NA
MW-3	05/14/1990	1,400	60	130	8.6	40	17	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	16.97	NA	175.55	NA	NA
MW-3	06/21/1990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	16.27	NA	176.25	NA	NA
MW-3	09/12/1990	2,000	1,500	58	5.8	16	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	18.78	NA	173.74	NA	NA
MW-3	11/27/1990	540	240	18	1.5	8.7	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	18.27	NA	174.25	NA	NA
MW-3	03/08/1991	3,400	2,100	630	33	270	18	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	14.86	NA	177.66	NA	NA
MW-3	06/03/1991	1,700	690a	260	13	98	24	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	15.84	NA	176.68	NA	NA
MW-3	08/30/1991	870	370a	44	6.1	10	2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	17.79	NA	174.73	NA	NA
MW-3	11/22/1991	310	140	18	1.2	3.3	2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	18.40	NA	174.12	NA	NA
MW-3	03/18/1992	67,100	1,900	620	28	220	38	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	12.03	NA	180.49	NA	NA
MW-3	05/28/1992	2,300	1,100a	200	9	71	17	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	15.16	NA	177.36	NA	NA
MW-3	08/19/1992	5,700	1,000a	71	77	52	130	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	17.03	NA	175.49	NA	NA
MW-3	11/17/1992	3,600	180a	16	8.6	24	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	17.94	NA	174.58	NA	NA
MW-3	02/12/1993	4,700	560a	820	58	130	77	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	9.16	NA	183.36	NA	NA
MW-3	06/10/1993	2,200	NA	310	23	89	23	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	13.20	NA	179.32	NA	NA
MW-3	08/18/1993	260	NA	27	2	7	2.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	14.93	NA	177.59	NA	NA
MW-3	11/19/1993	1,500a	NA	24	54	37	17	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	17.58	NA	174.94	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**6039 College Avenue**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2 DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-3	02/28/1994	2,700	NA	65	5.2	16	6.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	13.30	NA	179.22	NA	NA
MW-3	05/04/1994	780	NA	120	7.5	21	6.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	15.25	NA	177.27	NA	NA
MW-3	08/10/1994	920	NA	20	2.3	3	2.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	16.63	NA	175.89	NA	NA
MW-3	11/08/1994	1,300	NA	180	16	7	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	13.88	NA	178.64	NA	NA
MW-3	02/01/1995	1,400	NA	210	8.5	11	8.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	9.25	NA	183.27	NA	NA
MW-3	05/10/1995	460	NA	97	10	1	19	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	10.76	NA	181.74	NA	NA
MW-3	08/24/1995	640	NA	68	21	14	19	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	13.90	NA	178.62	NA	NA
MW-3	11/10/1995	350	NA	15	2.3	1.2	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	16.20	NA	176.32	NA	NA
MW-3	02/24/1996	3,300	NA	240	53	38	55	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	8.93	NA	183.59	NA	NA
MW-3	05/22/1996	1,300	NA	110	15	<10	<10	3,500	NA	NA	NA	NA	NA	NA	NA	NA	192.52	10.86	NA	181.66	NA	NA
MW-3	08/19/1996	350	NA	15	3.3	3.4	3.3	340	NA	NA	NA	NA	NA	NA	NA	NA	192.52	13.97	NA	178.55	NA	NA
MW-3	12/05/1996	290	NA	12	7.6	5.4	16	370	NA	NA	NA	NA	NA	NA	NA	NA	192.52	14.06	NA	178.46	NA	NA
MW-3	02/20/1997	980	NA	69	7.9	14	15	3,200	NA	NA	NA	NA	NA	NA	NA	NA	192.52	10.60	NA	181.92	NA	NA
MW-3	05/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	13.26	NA	179.26	NA	NA
MW-3	08/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	15.21	NA	177.31	NA	NA
MW-3	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	14.49	NA	178.03	NA	NA
MW-3	01/20/1998	3,100	NA	360	1,000	73	420	59,000	NA	NA	NA	NA	NA	NA	NA	NA	192.52	8.43	NA	184.09	NA	NA
MW-3	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	10.55	NA	181.97	NA	NA
MW-3	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	11.80	NA	180.72	NA	NA
MW-3	11/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	11.97	NA	180.55	NA	NA
MW-3	02/03/1999	<10,000	NA	840	131	<100	316	27,600	NA	NA	NA	NA	NA	NA	NA	NA	192.52	13.55	NA	178.97	NA	2.3
MW-3	06/04/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	12.90	NA	179.62	NA	NA
MW-3	08/31/1999	1,550	NA	232	<10.0	125	293	4,620	2,460 <sup>b</sup>	NA	NA	NA	NA	NA	NA	NA	192.52	14.99	NA	177.53	NA	3.4
MW-3	12/10/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	16.35	NA	176.17	NA	NA
MW-3	02/11/2000	10,900	NA	1,030	<50.0	308	1,000	19,300	NA	NA	NA	NA	NA	NA	NA	NA	192.52	12.85	NA	179.67	NA	1.0
MW-3	05/04/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	17.05	NA	175.47	NA	NA
MW-3	08/31/2000	2,560	NA	165	7.19	77.6	183	4,090	NA	NA	NA	NA	NA	NA	NA	NA	192.52	14.26	NA	178.26	NA	c
MW-3	11/30/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	192.52	15.75	NA	176.77	NA	NA
MW-3	02/13/2001	5,880	NA	563	<50.0	282	472	8,960	NA	NA	NA	NA	NA	NA	NA	NA	192.52	13.05	NA	179.47	NA	3.6
MW-3	05/29/2001	1,800	NA	130	<5.0	84	100	NA	1,900	NA	NA	NA	NA	NA	NA	NA	192.52	13.84	NA	178.68	NA	NA
MW-3	07/30/2001	2,700	NA	250	8.8	130	120	NA	5,200	NA	NA	NA	NA	NA	NA	NA	192.52	15.46	NA	177.06	NA	NA
MW-3	12/12/2001	<10,000	NA	720	<100	260	260	NA	6,600	<100	<100	<100	<1,000	NA	NA	<1,000	192.52	12.93	NA	179.59	NA	NA
MW-3	01/31/2002	11,000	NA	750	14	570	510	NA	5,800	NA	NA	NA	NA	NA	NA	NA	192.52	11.88	NA	180.64	NA	NA
MW-3	05/31/2002	5,100	NA	410	8.6	300	190	NA	3,600	NA	NA	NA	NA	NA	NA	NA	192.52	13.65	NA	178.87	NA	NA
MW-3	07/25/2002	2,100	NA	170	<10	73	33	NA	2,600	NA	NA	NA	NA	NA	NA	NA	192.52	15.04	NA	177.48	NA	NA
MW-3	11/26/2002	510	NA	26	<2.0	<2.0	2.1	NA	940	NA	NA	NA	NA	NA	NA	NA	197.18	17.15	NA	180.03	NA	NA
MW-3	01/29/2003	6,000	NA	460	8.5	250	87	NA	3,500	NA	NA	NA	NA	NA	NA	NA	197.18	12.21	NA	184.97	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**6039 College Avenue**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2 DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-3	06/03/2003	5,300	NA	350	<25	130	51	NA	2,200	<100	<100	<100	920	<25	<25	<2,500	197.18	13.40	NA	183.78	NA	NA
MW-3	08/27/2003	700 a	NA	100	<5.0	20	<10	NA	810	NA	NA	NA	460	NA	NA	NA	197.18	15.14	NA	182.04	NA	NA
MW-3	11/13/2003	590	NA	36	<2.5	<2.5	<5.0	NA	440	NA	NA	NA	400	NA	NA	NA	197.18	16.46	NA	180.72	NA	NA
MW-3	02/05/2004	<2,500	NA	420	<25	74	<50	NA	2,400	NA	NA	NA	950	NA	NA	NA	197.18	12.84	NA	184.34	NA	NA
MW-3	05/03/2004	2,600	NA	210	<10	42	21	NA	1,600	NA	NA	NA	820	NA	NA	NA	197.18	12.57	NA	184.61	NA	NA
MW-3	08/30/2004	2,100	NA	120	6.8	5.7	11	NA	730	<20	<20	<20	460	NA	NA	NA	197.18	14.76	NA	182.42	NA	NA
MW-3	11/22/2004	2,600	NA	160	5.5	5.1	<10	NA	570	NA	NA	NA	540	NA	NA	NA	197.18	14.58	NA	182.60	NA	NA
MW-3	02/02/2005	4,500	NA	380	17	23	27	NA	1,900	NA	NA	NA	730	NA	NA	NA	197.18	11.48	NA	185.70	NA	NA

MW-4	02/15/1990	ND	1,200	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	16.73	NA	178.65	NA	NA
MW-4	04/19/1990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	17.48	NA	175.89	NA	NA
MW-4	05/14/1990	650	350	160	7	1.9	3.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	17.88	NA	175.49	NA	NA
MW-4	06/21/1990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	17.18	NA	176.19	NA	NA
MW-4	09/12/1990	440	260	91	1.1	0.75	0.79	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	17.85	NA	175.52	NA	NA
MW-4	11/27/1990	470	2,400	64	1.2	0.8	2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	19.16	NA	174.21	NA	NA
MW-4	03/08/1991	1,100	2,600	330	3.5	88	5.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	15.77	NA	177.60	NA	NA
MW-4	06/03/1991	670	1,100	240	2.3	1.6	2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	16.77	NA	176.60	NA	NA
MW-4	08/30/1991	570	280	64	1.8	0.9	0.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	18.71	NA	174.66	NA	NA
MW-4	11/22/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	NA	NA	NA	NA	NA
MW-4	01/15/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	NA	NA	NA	NA	NA
MW-4	02/15/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	NA	NA	NA	NA	NA
MW-4	03/18/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	13.15	NA	180.41	0.24	NA
MW-4	04/29/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	NA	NA	NA	NA	NA
MW-4	05/28/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	16.22	NA	177.25	0.12	NA
MW-4	08/19/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	18.05	NA	175.39	0.09	NA
MW-4	11/17/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	18.89	NA	174.48	NA	NA
MW-4	02/12/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	11.78	NA	181.59	<0.01	NA
MW-4	06/10/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	14.20	NA	179.17	0.02	NA
MW-4	08/18/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	15.95	NA	177.43	0.01	NA
MW-4	11/19/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	18.48	NA	174.90	0.01	NA
MW-4	02/28/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	14.60	NA	178.77	0.01	NA
MW-4	05/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	16.15	NA	177.22	<0.01	NA
MW-4	08/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	17.58	NA	175.81	0.02	NA
MW-4	11/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	15.05	NA	178.36	0.05	NA
MW-4	02/01/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	10.71	NA	182.69	0.04	NA
MW-4	05/10/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	11.90	NA	181.52	0.06	NA
MW-4	08/24/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	14.97	NA	178.42	0.02	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**6039 College Avenue**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2 DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-4	11/10/1995	4,700	NA	100	22	23	38	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	17.27	NA	176.10	<0.01	NA
MW-4	02/24/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	10.44	NA	182.95	0.03	NA
MW-4	05/22/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	11.88	NA	181.51	0.03	NA
MW-4	08/19/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	15.23	NA	178.16	0.02	NA
MW-4	12/05/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	14.70	NA	178.69	0.02	NA
MW-4	01/08/1997	<10,000	NA	<100	<100	<100	<100	24,000	NA	NA	NA	NA	NA	NA	NA	NA	193.37	11.60	NA	181.79	0.02	NA
MW-4	02/20/1997	<10,000	NA	490	<100	<100	<100	59,000	NA	NA	NA	NA	NA	NA	NA	NA	193.37	11.91	NA	181.46	NA	NA
MW-4	05/30/1997	<2,000	NA	72	<20	<20	<20	6,100	NA	NA	NA	NA	NA	NA	NA	NA	193.37	14.68	NA	178.69	NA	NA
MW-4	08/18/1997	<5,000	NA	150	570	<50	130	31,000	NA	NA	NA	NA	NA	NA	NA	NA	193.37	15.07	NA	178.30	NA	NA
MW-4	11/03/1997	32,000	NA	1,100	6,100	640	3,600	78,000	NA	NA	NA	NA	NA	NA	NA	NA	193.37	15.87	NA	177.50	NA	NA
MW-4	01/20/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	10.25	NA	183.62	0.62	NA
MW-4	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	11.62	NA	181.80	0.06	NA
MW-4	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	13.93	NA	179.51	0.09	NA
MW-4	11/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	14.07	14.03	179.33	0.04	NA
MW-4	12/09/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	15.84	15.81	177.55	0.03	NA
MW-4	02/03/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	15.58	15.55	177.81	0.03	NA
MW-4	06/04/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	14.04	14.02	179.35	0.02	NA
MW-4	08/31/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	16.15	16.12	177.24	0.03	NA
MW-4	12/10/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	17.41	17.31	176.04	0.10	NA
MW-4	02/11/2000	47,200	NA	905	<200	479	3,690	27,400	30,300b	NA	NA	NA	NA	NA	NA	NA	193.37	14.82	NA	178.55	NA	0.6
MW-4	05/04/2000	30,800	NA	1,650	<100	574	3,310	28,600	31,200b	NA	NA	NA	NA	NA	NA	NA	193.37	12.64	NA	180.73	NA	2.1
MW-4	08/31/2000	5,470	NA	366	<10.0	296	834	3,950	NA	NA	NA	NA	NA	NA	NA	NA	193.37	16.47	NA	176.90	NA	c
MW-4	11/30/2000	20,700	NA	525	<50.0	447	1,570	2,440	4,280b	NA	NA	NA	NA	NA	NA	NA	193.37	17.67	NA	175.70	NA	3.3
MW-4	02/13/2001	16,200	NA	909	<50.0	514	2,390	21,300	20,300	NA	NA	NA	NA	NA	NA	NA	193.37	13.30	NA	180.07	NA	2.4
MW-4	05/29/2001	Well Inaccessible	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	NA	NA	NA	NA	NA
MW-4	05/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.37	15.08	15.03	178.33	0.05	NA
MW-4	07/30/2001	6,700	NA	260	5.7	190	280	NA	3,900	NA	NA	NA	NA	NA	NA	NA	193.37	16.29	16.28	177.09	0.01	NA
MW-4	12/12/2001	15,000	NA	1,300	<50	520	990	NA	20,000	NA	NA	NA	NA	NA	NA	NA	193.37	13.81	NA	179.56	NA	NA
MW-4	01/31/2002	12,000	NA	1,500	<25	570	800	NA	12,000	NA	NA	NA	NA	NA	NA	NA	193.37	12.80	NA	180.57	NA	NA
MW-4	05/31/2002	8,200	NA	1,100	<20	380	340	NA	8,100	NA	NA	NA	NA	NA	NA	NA	193.37	14.59	NA	178.78	NA	NA
MW-4	07/25/2002	3,300	NA	290	<10	98	74	NA	2,600	NA	NA	NA	NA	NA	NA	NA	193.37	15.94	NA	177.43	NA	NA
MW-4	11/26/2002	1,400	NA	89	2.9	14	14	NA	770	NA	NA	NA	NA	NA	NA	NA	198.03	18.10	NA	179.93	NA	NA
MW-4	01/29/2003	7,400	NA	1,400	<20	140	200	NA	8,900	NA	NA	NA	NA	NA	NA	NA	198.03	13.08	NA	184.95	NA	NA
MW-4	06/03/2003	5,600	NA	990	<10	110	53	NA	3,700	<40	<40	<40	760	<10	<10	<1,000	198.03	14.29	NA	183.74	NA	NA
MW-4	08/27/2003	1,500	NA	220	<10	31	<20	NA	1,100	NA	NA	NA	380	NA	NA	NA	198.03	16.14	NA	181.89	NA	NA
MW-4	11/13/2003	3,100	NA	140	<2.5	4.3	5.2	NA	340	NA	NA	NA	140	NA	NA	NA	198.03	17.35	NA	180.68	NA	NA
MW-4	02/05/2004	3,700	NA	560	<10	18	<20	NA	2,100	NA	NA	NA	2,000	NA	NA	NA	198.03	13.52	NA	184.51	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**6039 College Avenue**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2 DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-4	05/03/2004	9,300	NA	1,400	91	25	31	NA	2,400	NA	NA	NA	1,700	NA	NA	NA	198.03	12.65	NA	185.38	NA	NA
MW-4	08/30/2004	2,700	NA	270	17	8.6	6.7	NA	540	<10	<10	<10	670	NA	NA	NA	198.03	15.64	NA	182.39	NA	NA
MW-4	11/22/2004	2,200	NA	310	7.8	3.0	<5.0	NA	340	NA	NA	NA	790	NA	NA	NA	198.03	15.72	NA	182.31	NA	NA
MW-4	02/02/2005	12,000	NA	1,200	85	31	<20	NA	1,600	NA	NA	NA	1,900	NA	NA	NA	198.03	12.68	NA	185.35	NA	NA
MW-5	08/30/1991	ND	80	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	16.74	NA	173.61	NA	NA
MW-5	11/22/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	17.27	NA	173.08	NA	NA
MW-5	03/18/1992	<30	<50	<0.3	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	11.28	NA	179.07	NA	NA
MW-5	05/28/1992	Well Inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	NA	NA	NA	NA	NA
MW-5	08/19/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	15.99	NA	174.36	NA	NA
MW-5	11/17/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	16.84	NA	173.51	NA	NA
MW-5	02/12/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	10.30	NA	180.05	NA	NA
MW-5	06/10/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	12.36	NA	177.99	NA	NA
MW-5	08/18/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	14.02	NA	176.33	NA	NA
MW-5	11/19/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	16.50	NA	173.85	NA	NA
MW-5	02/28/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	12.55	NA	177.80	NA	NA
MW-5	05/04/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	14.27	NA	176.08	NA	NA
MW-5	08/10/1994	70a	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	15.60	NA	174.75	NA	NA
MW-5	11/08/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	12.85	NA	177.50	NA	NA
MW-5	02/01/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	8.98	NA	181.37	NA	NA
MW-5	05/10/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	10.16	NA	180.19	NA	NA
MW-5	08/24/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	12.98	NA	177.37	NA	NA
MW-5	11/10/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	15.12	NA	175.23	NA	NA
MW-5	02/24/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	NA	NA	NA	NA	NA
MW-5	05/22/1996	<2,000	NA	<20	<20	<20	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	10.10	NA	180.25	NA	NA
MW-5	08/19/1996	<2,500	NA	<25	<25	<25	<25	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	13.09	NA	177.26	NA	NA
MW-5	12/05/1996	<500	NA	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	13.31	NA	177.04	NA	NA
MW-5	02/20/1997	<1,000	NA	<10	<10	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	9.55	NA	180.80	NA	NA
MW-5	05/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	12.40	NA	177.95	NA	NA
MW-5	08/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	14.19	NA	176.16	NA	NA
MW-5	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	13.66	NA	176.69	NA	NA
MW-5	01/20/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	1,600	NA	NA	NA	NA	NA	NA	NA	NA	190.35	8.06	NA	182.29	NA	NA
MW-5	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	9.95	NA	180.40	NA	NA
MW-5	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	11.10	NA	179.25	NA	NA
MW-5	11/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	12.21	NA	178.14	NA	NA
MW-5	02/03/1999	<500	NA	<5.00	<5.00	<5.00	<5.00	2850	NA	NA	NA	NA	NA	NA	NA	NA	190.35	12.99	NA	177.38	NA	2.4
MW-5	06/04/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	12.08	NA	178.27	NA	NA



**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**6039 College Avenue**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2 DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-5	08/31/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	4,260	NA	NA	NA	NA	NA	NA	NA	NA	190.35	14.05	NA	176.30	NA	2.7
MW-5	12/10/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	15.41	NA	174.94	NA	NA
MW-5	02/11/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	190.35	12.42	NA	179.93	NA	1.7
MW-5	05/04/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	11.13	NA	179.22	NA	NA
MW-5	08/31/2000	<500	NA	<5.00	<5.00	<5.00	<5.00	13,000	15,700b	NA	NA	NA	NA	NA	NA	NA	190.35	13.53	NA	176.82	NA	c
MW-5	11/30/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.35	14.65	NA	175.70	NA	NA
MW-5	02/13/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	2,440	NA	NA	NA	NA	NA	NA	NA	NA	190.35	12.05	NA	178.30	NA	4.1
MW-5	05/29/2001	<500	NA	<5.0	<5.0	<5.0	<5.0	NA	1,300	NA	NA	NA	NA	NA	NA	NA	190.35	13.26	NA	177.09	NA	NA
MW-5	07/30/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	310	NA	NA	NA	NA	NA	NA	NA	190.35	14.49	NA	175.86	NA	NA
MW-5	12/12/2001	<200	NA	<2.0	<2.0	<2.0	<2.0	NA	350	NA	NA	NA	NA	NA	NA	NA	190.35	12.08	NA	178.27	NA	NA
MW-5	01/31/2002	61	NA	<0.50	<0.50	<0.50	<0.50	NA	280	NA	NA	NA	NA	NA	NA	NA	190.35	11.29	NA	179.06	NA	NA
MW-5	05/31/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	130	NA	NA	NA	NA	NA	NA	NA	190.35	12.75	NA	177.60	NA	NA
MW-5	07/25/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	190	NA	NA	NA	NA	NA	NA	NA	190.35	14.12	NA	176.23	NA	NA
MW-5	11/26/2002	Unable to sample		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	195.01	16.17	NA	178.84	NA	NA
MW-5	12/08/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	24	NA	NA	NA	NA	NA	NA	NA	195.01	16.39	NA	178.62	NA	NA
MW-5	01/29/2003	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	100	NA	NA	NA	NA	NA	NA	NA	195.01	11.20	NA	183.81	NA	NA
MW-5	06/03/2003	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	120	<10	<10	<10	2,200	<2.5	<2.5	<250	195.01	12.53	NA	182.48	NA	NA
MW-5	08/27/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	19	NA	NA	NA	180	NA	NA	NA	195.01	14.32	NA	180.69	NA	NA
MW-5	11/13/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	15	NA	NA	NA	46	NA	NA	NA	195.01	15.48	NA	179.53	NA	NA
MW-5	02/05/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	17	NA	NA	NA	790	NA	NA	NA	195.01	11.88	NA	183.13	NA	NA
MW-5	05/03/2004	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	32	NA	NA	NA	1,300	NA	NA	NA	195.01	11.92	NA	183.09	NA	NA
MW-5	08/30/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	7.8	<2.0	<2.0	<2.0	95	NA	NA	NA	195.01	13.82	NA	181.19	NA	NA
MW-5	11/22/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	4.1	NA	NA	NA	60	NA	NA	NA	195.01	13.89	NA	181.12	NA	NA
MW-5	02/02/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	4.3	NA	NA	NA	400	NA	NA	NA	195.01	10.30	NA	184.71	NA	NA
MW-6	09/21/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	189.05	14.64	NA	174.41	NA	NA
MW-6	11/19/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	189.05	NA	NA	NA	NA	NA
MW-6	02/28/1994	98a	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	189.05	12.18	NA	176.87	NA	NA
MW-6	05/04/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	189.05	13.62	NA	175.43	NA	NA
MW-6	08/10/1994	80a	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	189.05	14.98	NA	174.07	NA	NA
MW-6	11/08/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	189.05	12.20	NA	176.85	NA	NA
MW-6	02/01/1995	120	NA	3.5	21	3.4	22	NA	NA	NA	NA	NA	NA	NA	NA	NA	189.05	8.70	NA	180.35	NA	NA
MW-6	05/10/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	189.05	9.86	NA	179.19	NA	NA
MW-6	08/24/1995	80	NA	<0.5	<0.5	1.8	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	189.05	12.46	NA	176.59	NA	NA
MW-6	11/10/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	189.05	14.56	NA	174.49	NA	NA
MW-6	11/10/1995	60	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	189.05	14.56	NA	174.49	NA	NA
MW-6	02/24/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	189.05	NA	NA	NA	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**6039 College Avenue**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2 DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-6	05/22/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	290	NA	NA	NA	NA	NA	NA	NA	NA	189.05	10.23	NA	178.82	NA	NA
MW-6	08/19/1996	<1,250	NA	<12	<12	<12	<12	1,100	NA	NA	NA	NA	NA	NA	NA	NA	189.05	12.61	NA	176.44	NA	NA
MW-6	12/05/1996	<125	NA	<1.2	<1.2	<1.2	<1.2	440	NA	NA	NA	NA	NA	NA	NA	NA	189.05	12.47	NA	176.58	NA	NA
MW-6	02/20/1997	<100	NA	<1.0	<1.0	<1.0	<1.0	480	NA	NA	NA	NA	NA	NA	NA	NA	189.05	9.85	NA	179.20	NA	NA
MW-6	05/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	189.05	11.96	NA	177.09	NA	NA
MW-6	08/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	189.05	13.65	NA	175.40	NA	NA
MW-6	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	189.05	NA	NA	NA	NA	NA
MW-6	01/20/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	340	NA	NA	NA	NA	NA	NA	NA	NA	189.05	7.76	NA	181.29	NA	NA
MW-6	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	189.05	9.85	NA	179.20	NA	NA
MW-6	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	189.05	10.99	NA	178.06	NA	NA
MW-6	11/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	189.05	11.36	NA	177.69	NA	NA
MW-6	02/03/1999	Well Inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	189.05	NA	NA	NA	NA	NA
MW-6	06/04/1999	Well Inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	189.05	NA	NA	NA	NA	NA
MW-6	06/22/1999	<5,000	NA	<50.0	<50.0	<50.0	<50.0	2,800	NA	NA	NA	NA	NA	NA	NA	NA	189.05	12.15	NA	176.90	NA	2.1
MW-6	08/31/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	3,390	NA	NA	NA	NA	NA	NA	NA	NA	189.05	13.62	NA	175.43	NA	2.5
MW-6	12/10/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	189.05	14.98	NA	174.07	NA	NA
MW-6	02/11/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	189.05	12.00	NA	177.05	NA	1.1
MW-6	05/04/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	189.05	10.94	NA	178.11	NA	NA
MW-6	08/31/2000	<250	NA	<2.50	<2.50	<2.50	<2.50	4,460	NA	NA	NA	NA	NA	NA	NA	NA	189.05	13.19	NA	175.86	NA	c
MW-6	11/30/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	189.05	14.28	NA	174.77	NA	NA
MW-6	02/13/2001	Well Inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	189.05	NA	NA	NA	NA	NA
MW-6	02/16/2001	<500	NA	<5.00	<5.00	<5.00	<5.00	3,910	NA	NA	NA	NA	NA	NA	NA	NA	189.05	12.10	NA	176.95	NA	3.8
MW-6	05/29/2001	<500	NA	<5.0	<5.0	<5.0	<5.0	NA	2,000	NA	NA	NA	NA	NA	NA	NA	189.05	12.94	NA	176.11	NA	NA
MW-6	07/30/2001	<500	NA	<5.0	<5.0	<5.0	<5.0	NA	2,700	NA	NA	NA	NA	NA	NA	NA	189.05	14.10	NA	174.95	NA	NA
MW-6	12/12/2001	<500	NA	<5.0	<5.0	<5.0	<5.0	NA	2,100	<5.0	<5.0	<5.0	97	NA	NA	<500	189.05	12.11	NA	176.94	NA	NA
MW-6	01/31/2002	<500	NA	<5.0	<5.0	<5.0	<5.0	NA	2,000	NA	NA	NA	NA	NA	NA	NA	189.05	11.16	NA	177.89	NA	NA
MW-6	05/31/2002	<500	NA	<5.0	<5.0	<5.0	<5.0	NA	1,800	NA	NA	NA	NA	NA	NA	NA	189.05	12.52	NA	176.53	NA	NA
MW-6	07/25/2002	<500	NA	<5.0	<5.0	<5.0	<5.0	NA	1,800	NA	NA	NA	NA	NA	NA	NA	189.05	13.68	NA	175.37	NA	NA
MW-6	11/26/2002	Well Inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.75	NA	NA	NA	NA	NA
MW-6	12/06/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	280	NA	NA	NA	NA	NA	NA	NA	193.75	16.01	NA	177.74	NA	NA
MW-6	01/29/2003	Well Inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.75	NA	NA	NA	NA	NA
MW-6	02/05/2003	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	120	NA	NA	NA	NA	NA	NA	NA	193.75	11.71	NA	182.04	NA	NA
MW-6	06/03/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	69	<2.0	<2.0	<2.0	970	<0.50	<0.50	<50	193.75	12.33	NA	181.42	NA	NA
MW-6	08/27/2003	130	NA	<1.3	<1.3	<1.3	<2.5	NA	28	NA	NA	NA	880	NA	NA	NA	193.75	13.83	NA	179.92	NA	NA
MW-6	11/13/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	6.8	NA	NA	NA	710	NA	NA	NA	193.75	15.05	NA	178.70	NA	NA
MW-6	02/05/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	14	NA	NA	NA	290	NA	NA	NA	193.75	11.44	NA	182.31	NA	NA
MW-6	05/03/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	10	NA	NA	NA	200	NA	NA	NA	193.75	11.74	NA	182.01	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**6039 College Avenue**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2 DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-6	08/30/2004	78 e	NA	<0.50	<0.50	<0.50	<1.0	NA	4.9	<2.0	<2.0	<2.0	120	NA	NA	NA	193.75	13.52	NA	180.23	NA	NA
MW-6	11/22/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	4.6	NA	NA	NA	110	NA	NA	NA	193.75	13.65	NA	180.10	NA	NA
MW-6	02/02/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	12	NA	NA	NA	95	NA	NA	NA	193.75	10.78	NA	182.97	NA	NA
T-1	05/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	08/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	01/20/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	11/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	02/03/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	06/04/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	08/31/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	12/10/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	02/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	05/04/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	08/31/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	11/30/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	02/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	05/29/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	07/30/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	12/12/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	01/31/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-1	05/22/2002 d	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	198.07	NA	NA	NA	NA	NA
T-2	05/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	08/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	01/20/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	11/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	02/03/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	06/04/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	08/31/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	12/10/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**6039 College Avenue**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2 DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
T-2	02/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	05/04/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	08/31/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	11/30/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.50	NA	NA	NA	NA
T-2	02/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	05/29/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	07/30/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	12/12/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	01/31/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA	NA
T-2	05/22/2002 d	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	198.47	NA	NA	NA	NA	NA

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to May 29, 2001, analyzed by EPA Method 8015.

TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to May 29, 2001, analyzed by EPA Method 8020.

MTBE = Methyl tertiary butyl ether

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

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

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

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

1,2-DCA = 1,2-dichloroethane, analyzed by EPA Method 8260B

EDB = Ethylene dibromide, analyzed by EPA Method 8260B

TOC = Top of Casing Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

DO = Dissolved Oxygen

ug/L = Parts per billion

ppm = Parts per million

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

NA = Not applicable

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

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**6039 College Avenue**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2 DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
---------	------	----------------	----------------	-------------	-------------	-------------	-------------	------------------------	------------------------	----------------	----------------	----------------	---------------	-------------------	---------------	-------------------	--------------	----------------------------	--------------------------	--------------------------	---------------------------	------------------------

Notes:

a = Chromatogram patterns indicate an unidentified hydrocarbon/Hydrocarbon does not match pattern of laboratory's standard.

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

c = DO Readings not taken this event.

d = Survey date only.

e = Sample contains discrete peak in gasoline range.

Ethanol analyzed by EPA Method 8260B.

Site surveyed May 22, 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 17, 2005

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Attn.: Leon Gearhart  
Project#: 050202-BA1  
Project: 98995745  
Site: 6039 College Avenue, Oakland

Dear Mr. Gearhart,

Attached is our report for your samples received on 02/03/2005 13:31

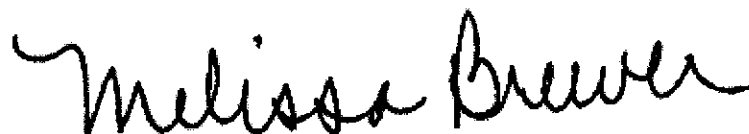
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 03/20/2005 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

**Oil & Grease (Petroleum) by EPA 1664A**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 050202-BA1

98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-3	02/02/2005 12:28	Water	3
MW-4	02/02/2005 12:48	Water	4

**Oil & Grease (Petroleum) by EPA 1664A**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 050202-BA1

98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

Prep(s): 1664A	Test(s): 1664A
Sample ID: <b>MW-3</b>	Lab ID: 2005-02-0160 - 3
Sampled: 02/02/2005 12:28	Extracted: 2/9/2005 00:00
Matrix: Water	QC Batch#: 2005/02/09-02.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil and Grease (Petroleum)	ND	2.0	mg/L	1.00	02/10/2005	



**Oil & Grease (Petroleum) by EPA 1664A**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 050202-BA1

98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

Prep(s): 1664A	Test(s): 1664A
Sample ID: MW-4	Lab ID: 2005-02-0160 - 4
Sampled: 02/02/2005 12:48	Extracted: 2/9/2005 00:00
Matrix: Water	QC Batch#: 2005/02/09-02.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil and Grease (Petroleum)	12	2.0	mg/L	1.00	02/10/2005	

**Oil & Grease (Petroleum) by EPA 1664A**

Blaine Tech Services, Inc.  
Attn.: Leon Gearhart

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

Project: 050202-BA1  
98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

**Batch QC Report**

Prep(s): 1664A

Method Blank

MB: 2005/02/09-02.23-001

Water

Test(s): 1664A

QC Batch # 2005/02/09-02.23

Date Extracted: 02/09/2005

Compound	Conc.	RL	Unit	Analyzed	Flag
Oil and Grease (Petroleum)	ND	1	mg/L	02/10/2005	

**Oil & Grease (Petroleum) by EPA 1664A**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 050202-BA1

98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

**Batch QC Report**

Prep(s): 1664A

Test(s): 1664A

**Laboratory Control Spike**

**Water**

**QC Batch # 2005/02/09-02.23**

LCS 2005/02/09-02.23-002

Extracted: 02/09/2005

Analyzed: 02/10/2005

LCSD 2005/02/09-02.23-003

Extracted: 02/09/2005

Analyzed: 02/10/2005

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Oil and Grease (Petroleum)	17.4	18.5	20.0	87.0	92.5	6.1	66-114	24		

**Semi-volatile analysis by GC/MS - EPA8270C**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771Project: 050202-BA1  
98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-3	02/02/2005 12:28	Water	3
MW-4	02/02/2005 12:48	Water	4

**Semi-volatile analysis by GC/MS - EPA8270C**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

 Project: 050202-BA1  
98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

Prep(s): 3510C/8270C	Test(s): 8270C
Sample ID: MW-3	Lab ID: 2005-02-0160 - 3
Sampled: 02/02/2005 12:28	Extracted: 2/8/2005 05:00
Matrix: Water	QC Batch#: 2005/02/08-01.11
Analysis Flag: . ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Phenol	ND	2.0	ug/L	1.00	02/08/2005 13:37	
Bis(2-chloroethyl)ether	ND	2.0	ug/L	1.00	02/08/2005 13:37	
2-Chlorophenol	ND	2.0	ug/L	1.00	02/08/2005 13:37	
1,3-Dichlorobenzene	ND	2.0	ug/L	1.00	02/08/2005 13:37	
1,4-Dichlorobenzene	ND	2.0	ug/L	1.00	02/08/2005 13:37	
Benzyl alcohol	ND	5.0	ug/L	1.00	02/08/2005 13:37	
1,2-Dichlorobenzene	ND	2.0	ug/L	1.00	02/08/2005 13:37	
2-Methylphenol	ND	2.0	ug/L	1.00	02/08/2005 13:37	
Bis(2-chloroisopropyl) ether	ND	2.0	ug/L	1.00	02/08/2005 13:37	
4-Methylphenol	ND	2.0	ug/L	1.00	02/08/2005 13:37	
N-Nitroso-di-n-propylamine	ND	2.0	ug/L	1.00	02/08/2005 13:37	
Hexachloroethane	ND	2.0	ug/L	1.00	02/08/2005 13:37	
Nitrobenzene	ND	2.0	ug/L	1.00	02/08/2005 13:37	
isophorone	ND	2.0	ug/L	1.00	02/08/2005 13:37	
2-Nitrophenol	ND	2.0	ug/L	1.00	02/08/2005 13:37	
2,4-Dimethylphenol	ND	2.0	ug/L	1.00	02/08/2005 13:37	
Bis(2-chloroethoxy) methane	ND	5.0	ug/L	1.00	02/08/2005 13:37	
2,4-Dichlorophenol	ND	2.0	ug/L	1.00	02/08/2005 13:37	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	1.00	02/08/2005 13:37	
Naphthalene	19	2.0	ug/L	1.00	02/08/2005 13:37	
4-Chloroaniline	ND	2.0	ug/L	1.00	02/08/2005 13:37	
Hexachlorobutadiene	ND	2.0	ug/L	1.00	02/08/2005 13:37	
4-Chloro-3-methylphenol	ND	5.0	ug/L	1.00	02/08/2005 13:37	
2-Methylnaphthalene	6.6	2.0	ug/L	1.00	02/08/2005 13:37	
Hexachlorocyclopentadiene	ND	5.0	ug/L	1.00	02/08/2005 13:37	
2,4,6-Trichlorophenol	ND	2.0	ug/L	1.00	02/08/2005 13:37	
2,4,5-Trichlorophenol	ND	2.0	ug/L	1.00	02/08/2005 13:37	

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

02/17/2005 16:53

**Semi-volatile analysis by GC/MS - EPA8270C**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

 Project: 050202-BA1  
 98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

Prep(s): 3510C/8270C	Test(s): 8270C
Sample ID: MW-3	Lab ID: 2005-02-0160 - 3
Sampled: 02/02/2005 12:28	Extracted: 2/8/2005 05:00
Matrix: Water	QC Batch#: 2005/02/08-01.11
Analysis Flag: . ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
2-Chloronaphthalene	ND	2.0	ug/L	1.00	02/08/2005 13:37	
2-Nitroaniline	ND	10	ug/L	1.00	02/08/2005 13:37	
Dimethyl phthalate	ND	5.0	ug/L	1.00	02/08/2005 13:37	
Acenaphthylene	ND	2.0	ug/L	1.00	02/08/2005 13:37	
3-Nitroaniline	ND	2.0	ug/L	1.00	02/08/2005 13:37	
Acenaphthene	ND	2.0	ug/L	1.00	02/08/2005 13:37	
2,4-Dinitrophenol	ND	10	ug/L	1.00	02/08/2005 13:37	
4-Nitrophenol	ND	10	ug/L	1.00	02/08/2005 13:37	
Dibenzofuran	ND	2.0	ug/L	1.00	02/08/2005 13:37	
2,4-Dinitrotoluene	ND	2.0	ug/L	1.00	02/08/2005 13:37	
2,6-Dinitrotoluene	ND	5.0	ug/L	1.00	02/08/2005 13:37	
Diethyl phthalate	ND	5.0	ug/L	1.00	02/08/2005 13:37	
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	1.00	02/08/2005 13:37	
Fluorene	ND	2.0	ug/L	1.00	02/08/2005 13:37	
4-Nitroaniline	ND	10	ug/L	1.00	02/08/2005 13:37	
2-Methyl-4,6-dinitrophenol	ND	10	ug/L	1.00	02/08/2005 13:37	
N-Nitrosodiphenylamine	ND	2.0	ug/L	1.00	02/08/2005 13:37	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	1.00	02/08/2005 13:37	
Hexachlorobenzene	ND	2.0	ug/L	1.00	02/08/2005 13:37	
Pentachlorophenol	ND	10	ug/L	1.00	02/08/2005 13:37	
Phenanthrene	ND	2.0	ug/L	1.00	02/08/2005 13:37	
Anthracene	ND	2.0	ug/L	1.00	02/08/2005 13:37	
Di-n-butyl phthalate	ND	5.0	ug/L	1.00	02/08/2005 13:37	
Fluoranthene	ND	2.0	ug/L	1.00	02/08/2005 13:37	
Pyrene	ND	2.0	ug/L	1.00	02/08/2005 13:37	
Butyl benzyl phthalate	ND	5.0	ug/L	1.00	02/08/2005 13:37	
3,3-Dichlorobenzidine	ND	5.0	ug/L	1.00	02/08/2005 13:37	

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

02/17/2005 16:53

**Semi-volatile analysis by GC/MS - EPA8270C**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 050202-BA1

98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

Prep(s): 3510C/8270C	Test(s): 8270C
Sample ID: <b>MW-3</b>	Lab ID: 2005-02-0160 - 3
Sampled: 02/02/2005 12:28	Extracted: 2/8/2005 05:00
Matrix: Water	QC Batch#: 2005/02/08-01.11
Analysis Flag: . ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzo(a)anthracene	ND	2.0	ug/L	1.00	02/08/2005 13:37	
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	1.00	02/08/2005 13:37	
Chrysene	ND	2.0	ug/L	1.00	02/08/2005 13:37	
Di-n-octyl phthalate	ND	5.0	ug/L	1.00	02/08/2005 13:37	
Benzo(b)fluoranthene	ND	2.0	ug/L	1.00	02/08/2005 13:37	
Benzo(k)fluoranthene	ND	2.0	ug/L	1.00	02/08/2005 13:37	
Benzo(a)pyrene	ND	2.0	ug/L	1.00	02/08/2005 13:37	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	1.00	02/08/2005 13:37	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	1.00	02/08/2005 13:37	
Benzo(g,h,i)perylene	ND	2.0	ug/L	1.00	02/08/2005 13:37	
Benzoic acid	ND	10	ug/L	1.00	02/08/2005 13:37	
<b>Surrogate(s)</b>						
Nitrobenzene-d5	49.0	35-114	%	1.00	02/08/2005 13:37	
2-Fluorobiphenyl	46.0	43-116	%	1.00	02/08/2005 13:37	
p-Terphenyl-d14	52.6	33-141	%	1.00	02/08/2005 13:37	
2-Fluorophenol	26.3	25-100	%	1.00	02/08/2005 13:37	
Phenol-d5	17.9	10-110	%	1.00	02/08/2005 13:37	
2,4,6-Tribromophenol	68.5	10-123	%	1.00	02/08/2005 13:37	

**Semi-volatile analysis by GC/MS - EPA8270C**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 050202-BA1

98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

Prep(s): 3510C/8270C                      Test(s): 8270C  
 Sample ID: **MW-4**                              Lab ID: 2005-02-0160 - 4  
 Sampled: 02/02/2005 12:48                      Extracted: 2/8/2005 05:00  
 Matrix: Water                                      QC Batch#: 2005/02/08-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Phenol	3.9	2.0	ug/L	1.00	02/08/2005 14:33	
Bis(2-chloroethyl)ether	ND	2.0	ug/L	1.00	02/08/2005 14:33	
2-Chlorophenol	ND	2.0	ug/L	1.00	02/08/2005 14:33	
1,3-Dichlorobenzene	ND	2.0	ug/L	1.00	02/08/2005 14:33	
1,4-Dichlorobenzene	ND	2.0	ug/L	1.00	02/08/2005 14:33	
Benzyl alcohol	ND	5.0	ug/L	1.00	02/08/2005 14:33	
1,2-Dichlorobenzene	ND	2.0	ug/L	1.00	02/08/2005 14:33	
2-Methylphenol	ND	2.0	ug/L	1.00	02/08/2005 14:33	
Bis(2-chloroisopropyl) ether	ND	2.0	ug/L	1.00	02/08/2005 14:33	
4-Methylphenol	ND	2.0	ug/L	1.00	02/08/2005 14:33	
N-Nitroso-di-n-propylamine	ND	2.0	ug/L	1.00	02/08/2005 14:33	
Hexachloroethane	ND	2.0	ug/L	1.00	02/08/2005 14:33	
Nitrobenzene	ND	2.0	ug/L	1.00	02/08/2005 14:33	
Isophorone	ND	2.0	ug/L	1.00	02/08/2005 14:33	
2-Nitrophenol	ND	2.0	ug/L	1.00	02/08/2005 14:33	
2,4-Dimethylphenol	ND	2.0	ug/L	1.00	02/08/2005 14:33	
Bis(2-chloroethoxy) methane	ND	5.0	ug/L	1.00	02/08/2005 14:33	
2,4-Dichlorophenol	ND	2.0	ug/L	1.00	02/08/2005 14:33	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	1.00	02/08/2005 14:33	
Naphthalene	39	2.0	ug/L	1.00	02/08/2005 14:33	
4-Chloroaniline	ND	2.0	ug/L	1.00	02/08/2005 14:33	
Hexachlorobutadiene	ND	2.0	ug/L	1.00	02/08/2005 14:33	
4-Chloro-3-methylphenol	ND	5.0	ug/L	1.00	02/08/2005 14:33	
2-Methylnaphthalene	7.3	2.0	ug/L	1.00	02/08/2005 14:33	
Hexachlorocyclopentadiene	ND	5.0	ug/L	1.00	02/08/2005 14:33	
2,4,6-Trichlorophenol	ND	2.0	ug/L	1.00	02/08/2005 14:33	
2,4,5-Trichlorophenol	ND	2.0	ug/L	1.00	02/08/2005 14:33	
2-Chloronaphthalene	ND	2.0	ug/L	1.00	02/08/2005 14:33	
2-Nitroaniline	ND	10	ug/L	1.00	02/08/2005 14:33	

Severn Trent Laboratories, Inc.

02/17/2005 16:53

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



**Semi-volatile analysis by GC/MS - EPA8270C**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 050202-BA1

98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

Prep(s): 3510C/8270C

Test(s): 8270C

Sample ID: MW-4

Lab ID: 2005-02-0160 - 4

Sampled: 02/02/2005 12:48

Extracted: 2/8/2005 05:00

Matrix: Water

QC Batch#: 2005/02/08-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dimethyl phthalate	ND	5.0	ug/L	1.00	02/08/2005 14:33	
Acenaphthylene	ND	2.0	ug/L	1.00	02/08/2005 14:33	
3-Nitroaniline	ND	2.0	ug/L	1.00	02/08/2005 14:33	
Acenaphthene	ND	2.0	ug/L	1.00	02/08/2005 14:33	
2,4-Dinitrophenol	ND	10	ug/L	1.00	02/08/2005 14:33	
4-Nitrophenol	ND	10	ug/L	1.00	02/08/2005 14:33	
Dibenzofuran	ND	2.0	ug/L	1.00	02/08/2005 14:33	
2,4-Dinitrotoluene	ND	2.0	ug/L	1.00	02/08/2005 14:33	
2,6-Dinitrotoluene	ND	5.0	ug/L	1.00	02/08/2005 14:33	
Diethyl phthalate	ND	5.0	ug/L	1.00	02/08/2005 14:33	
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	1.00	02/08/2005 14:33	
Fluorene	ND	2.0	ug/L	1.00	02/08/2005 14:33	
4-Nitroaniline	ND	10	ug/L	1.00	02/08/2005 14:33	
2-Methyl-4,6-dinitrophenol	ND	10	ug/L	1.00	02/08/2005 14:33	
N-Nitrosodiphenylamine	ND	2.0	ug/L	1.00	02/08/2005 14:33	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	1.00	02/08/2005 14:33	
Hexachlorobenzene	ND	2.0	ug/L	1.00	02/08/2005 14:33	
Pentachlorophenol	ND	10	ug/L	1.00	02/08/2005 14:33	
Phenanthrene	ND	2.0	ug/L	1.00	02/08/2005 14:33	
Anthracene	ND	2.0	ug/L	1.00	02/08/2005 14:33	
Di-n-butyl phthalate	ND	5.0	ug/L	1.00	02/08/2005 14:33	
Fluoranthene	ND	2.0	ug/L	1.00	02/08/2005 14:33	
Pyrene	ND	2.0	ug/L	1.00	02/08/2005 14:33	
Butyl benzyl phthalate	ND	5.0	ug/L	1.00	02/08/2005 14:33	
3,3-Dichlorobenzidine	ND	5.0	ug/L	1.00	02/08/2005 14:33	
Benzo(a)anthracene	ND	2.0	ug/L	1.00	02/08/2005 14:33	
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	1.00	02/08/2005 14:33	
Chrysene	ND	2.0	ug/L	1.00	02/08/2005 14:33	
Di-n-octyl phthalate	ND	5.0	ug/L	1.00	02/08/2005 14:33	

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

02/17/2005 16:53

**Semi-volatile analysis by GC/MS - EPA8270C**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 050202-BA1

98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

Prep(s): 3510C/8270C

Test(s): 8270C

Sample ID: **MW-4**

Lab ID: 2005-02-0160 - 4

Sampled: 02/02/2005 12:48

Extracted: 2/8/2005 05:00

Matrix: Water

QC Batch#: 2005/02/08-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzo(b)fluoranthene	ND	2.0	ug/L	1.00	02/08/2005 14:33	
Benzo(k)fluoranthene	ND	2.0	ug/L	1.00	02/08/2005 14:33	
Benzo(a)pyrene	ND	2.0	ug/L	1.00	02/08/2005 14:33	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	1.00	02/08/2005 14:33	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	1.00	02/08/2005 14:33	
Benzo(g,h,i)perylene	ND	2.0	ug/L	1.00	02/08/2005 14:33	
Benzoic acid	ND	10	ug/L	1.00	02/08/2005 14:33	
<b>Surrogate(s)</b>						
Nitrobenzene-d5	52.1	35-114	%	1.00	02/08/2005 14:33	
2-Fluorobiphenyl	57.6	43-116	%	1.00	02/08/2005 14:33	
p-Terphenyl-d14	67.0	33-141	%	1.00	02/08/2005 14:33	
2-Fluorophenol	31.9	25-100	%	1.00	02/08/2005 14:33	
Phenol-d5	22.1	10-110	%	1.00	02/08/2005 14:33	
2,4,6-Tribromophenol	80.0	10-123	%	1.00	02/08/2005 14:33	

**Semi-volatile analysis by GC/MS - EPA8270C**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 050202-BA1  
98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

**Batch QC Report**

Prep(s): 3510C/8270C

Test(s): 8270C

Method Blank

Water

QC Batch # 2005/02/08-01.11

MB: 2005/02/08-01.11-001

Date Extracted: 02/08/2005 05:00

Compound	Conc.	RL	Unit	Analyzed	Flag
Phenol	ND	2.0	ug/L	02/08/2005 12:14	
Bis(2-chloroethyl)ether	ND	2.0	ug/L	02/08/2005 12:14	
2-Chlorophenol	ND	2.0	ug/L	02/08/2005 12:14	
1,3-Dichlorobenzene	ND	2.0	ug/L	02/08/2005 12:14	
1,4-Dichlorobenzene	ND	2.0	ug/L	02/08/2005 12:14	
Benzyl alcohol	ND	5.0	ug/L	02/08/2005 12:14	
1,2-Dichlorobenzene	ND	2.0	ug/L	02/08/2005 12:14	
2-Methylphenol	ND	2.0	ug/L	02/08/2005 12:14	
Bis(2-chloroisopropyl) ether	ND	2.0	ug/L	02/08/2005 12:14	
4-Methylphenol	ND	2.0	ug/L	02/08/2005 12:14	
N-Nitroso-di-n-propylamine	ND	2.0	ug/L	02/08/2005 12:14	
Hexachloroethane	ND	2.0	ug/L	02/08/2005 12:14	
Nitrobenzene	ND	2.0	ug/L	02/08/2005 12:14	
Isophorone	ND	2.0	ug/L	02/08/2005 12:14	
2-Nitrophenol	ND	2.0	ug/L	02/08/2005 12:14	
2,4-Dimethylphenol	ND	2.0	ug/L	02/08/2005 12:14	
Bis(2-chloroethoxy) methane	ND	5.0	ug/L	02/08/2005 12:14	
2,4-Dichlorophenol	ND	2.0	ug/L	02/08/2005 12:14	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	02/08/2005 12:14	
Naphthalene	ND	2.0	ug/L	02/08/2005 12:14	
4-Chloroaniline	ND	2.0	ug/L	02/08/2005 12:14	
Hexachlorobutadiene	ND	2.0	ug/L	02/08/2005 12:14	
4-Chloro-3-methylphenol	ND	5.0	ug/L	02/08/2005 12:14	
2-Methylnaphthalene	ND	2.0	ug/L	02/08/2005 12:14	
Hexachlorocyclopentadiene	ND	5.0	ug/L	02/08/2005 12:14	
2,4,6-Trichlorophenol	ND	2.0	ug/L	02/08/2005 12:14	
2,4,5-Trichlorophenol	ND	2.0	ug/L	02/08/2005 12:14	
2-Chloronaphthalene	ND	2.0	ug/L	02/08/2005 12:14	
2-Nitroaniline	ND	10	ug/L	02/08/2005 12:14	

Severn Trent Laboratories, Inc.

02/17/2005 16:53

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

**Semi-volatile analysis by GC/MS - EPA8270C**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 050202-BA1  
98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

**Batch QC Report**

Prep(s): 3510C/8270C

Test(s): 8270C

Method Blank

Water

QC Batch # 2005/02/08-01.11

MB: 2005/02/08-01.11-001

Date Extracted: 02/08/2005 05:00

Compound	Conc.	RL	Unit	Analyzed	Flag
Dimethyl phthalate	ND	5.0	ug/L	02/08/2005 12:14	
Acenaphthylene	ND	2.0	ug/L	02/08/2005 12:14	
3-Nitroaniline	ND	2.0	ug/L	02/08/2005 12:14	
Acenaphthene	ND	2.0	ug/L	02/08/2005 12:14	
2,4-Dinitrophenol	ND	10	ug/L	02/08/2005 12:14	
4-Nitrophenol	ND	10	ug/L	02/08/2005 12:14	
Dibenzofuran	ND	2.0	ug/L	02/08/2005 12:14	
2,4-Dinitrotoluene	ND	2.0	ug/L	02/08/2005 12:14	
2,6-Dinitrotoluene	ND	5.0	ug/L	02/08/2005 12:14	
Diethyl phthalate	ND	5.0	ug/L	02/08/2005 12:14	
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	02/08/2005 12:14	
Fluorene	ND	2.0	ug/L	02/08/2005 12:14	
4-Nitroaniline	ND	10	ug/L	02/08/2005 12:14	
2-Methyl-4,6-dinitrophenol	ND	10	ug/L	02/08/2005 12:14	
N-Nitrosodiphenylamine	ND	2.0	ug/L	02/08/2005 12:14	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	02/08/2005 12:14	
Hexachlorobenzene	ND	2.0	ug/L	02/08/2005 12:14	
Pentachlorophenol	ND	10	ug/L	02/08/2005 12:14	
Phenanthrene	ND	2.0	ug/L	02/08/2005 12:14	
Anthracene	ND	2.0	ug/L	02/08/2005 12:14	
Di-n-butyl phthalate	ND	5.0	ug/L	02/08/2005 12:14	
Fluoranthene	ND	2.0	ug/L	02/08/2005 12:14	
Pyrene	ND	2.0	ug/L	02/08/2005 12:14	
Butyl benzyl phthalate	ND	5.0	ug/L	02/08/2005 12:14	
3,3-Dichlorobenzidine	ND	5.0	ug/L	02/08/2005 12:14	
Benzo(a)anthracene	ND	2.0	ug/L	02/08/2005 12:14	
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	02/08/2005 12:14	
Chrysene	ND	2.0	ug/L	02/08/2005 12:14	
Di-n-octyl phthalate	ND	5.0	ug/L	02/08/2005 12:14	

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

02/17/2005 16:53

**Semi-volatile analysis by GC/MS - EPA8270C**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 050202-BA1  
98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

**Batch QC Report**

Prep(s): 3510C/8270C

Test(s): 8270C

Method Blank

Water

QC Batch # 2005/02/08-01.11

MB: 2005/02/08-01.11-001

Date Extracted: 02/08/2005 05:00

Compound	Conc.	RL	Unit	Analyzed	Flag
Benzo(b)fluoranthene	ND	2.0	ug/L	02/08/2005 12:14	
Benzo(k)fluoranthene	ND	2.0	ug/L	02/08/2005 12:14	
Benzo(a)pyrene	ND	2.0	ug/L	02/08/2005 12:14	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	02/08/2005 12:14	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	02/08/2005 12:14	
Benzo(g,h,i)perylene	ND	2.0	ug/L	02/08/2005 12:14	
Benzoic acid	ND	10	ug/L	02/08/2005 12:14	
<b>Surrogates(s)</b>					
Nitrobenzene-d5	54.7	35-114	%	02/08/2005 12:14	
2-Fluorobiphenyl	52.8	43-116	%	02/08/2005 12:14	
p-Terphenyl-d14	63.0	33-141	%	02/08/2005 12:14	
2-Fluorophenol	33.7	25-100	%	02/08/2005 12:14	
Phenol-d5	21.6	10-110	%	02/08/2005 12:14	
2,4,6-Tribromophenol	58.5	10-123	%	02/08/2005 12:14	

**Semi-volatile analysis by GC/MS - EPA8270C**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 050202-BA1

98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

**Batch QC Report**

Prep(s): 3510C/8270C

Test(s): 8270C

**Laboratory Control Spike**

**Water**

**QC Batch # 2005/02/08-01.11**

LCS 2005/02/08-01.11-002

Extracted: 02/08/2005

Analyzed: 02/08/2005 12:42

LCSD 2005/02/08-01.11-003

Extracted: 02/08/2005

Analyzed: 02/08/2005 14:05

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Phenol	14.9	12.2	60.0	24.8	20.3	20.0	12-89	35		
2-Chlorophenol	35.7	28.6	60.0	59.5	47.7	22.0	23-134	25		
1,4-Dichlorobenzene	16.7	13.2	30.0	55.7	44.0	23.5	36-97	30		
N-Nitroso-di-n-propylamine	22.2	17.7	30.0	74.0	59.0	22.6	10-130	34		
1,2,4-Trichlorobenzene	19.2	13.3	30.0	64.0	44.3	36.4	44-142	35		R4
4-Chloro-3-methylphenol	44.1	34.4	60.0	73.5	57.3	24.8	22-147	31		
Acenaphthene	19.2	16.0	30.0	64.0	53.3	18.2	56-118	30		C2
4-Nitrophenol	18.6	20.3	60.0	31.0	33.8	8.6	1-132	35		
2,4-Dinitrotoluene	21.6	20.4	30.0	72.0	68.0	5.7	39-139	35		
Pentachlorophenol	41.8	40.7	60.0	69.7	67.8	2.8	45-125	35		
Pyrene	19.4	18.5	30.0	64.7	61.7	4.7	52-115	35		
<b>Surrogates(s)</b>										
Nitrobenzene-d5	18.3	12.7	25	73.2	50.7		35-114			
2-Fluorobiphenyl	15.6	12.6	25	62.4	50.5		43-116			
p-Terphenyl-d14	17.9	16.2	25	71.6	65.0		33-141			
2-Fluorophenol	19.5	15.1	50	39.0	30.2		25-100			
Phenol-d5	13.2	10.4	50	26.4	20.7		10-110			
2,4,6-Tribromophenol	35.5	33.2	50	71.0	66.4		10-123			

**Semi-volatile analysis by GC/MS - EPA8270C**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 050202-BA1  
98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

---

**Legend and Notes**

---

**Report Comment**

Sample was re-extracted due to failing QC, but two surrogates were below control limits, 2-Fluorobiphenyl and 2-Fluorophenol. The hold time had expired to re-extract the samples again.

**Analysis Flag**

**Result Flag**

C2

LCS recovery below method control limits.

R4

RPD exceeded method control limit; % recoveries within limits.

**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: 050202-BA1

98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-1	02/02/2005 11:32	Water	1
MW-2	02/02/2005 11:50	Water	2
MW-3	02/02/2005 12:28	Water	3
MW-4	02/02/2005 12:48	Water	4
MW-5	02/02/2005 12:08	Water	5
MW-6	02/02/2005 11:15	Water	6

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

02/17/2005 15:40



**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: 050202-BA1

98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

Prep(s): 5030B Test(s): 8260B  
 Sample ID: MW-1 Lab ID: 2005-02-0160 - 1  
 Sampled: 02/02/2005 11:32 Extracted: 2/11/2005 18:32  
 Matrix: Water QC Batch#: 2005/02/11-2A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	02/11/2005 18:32	
Benzene	ND	0.50	ug/L	1.00	02/11/2005 18:32	
Toluene	ND	0.50	ug/L	1.00	02/11/2005 18:32	
Ethylbenzene	ND	0.50	ug/L	1.00	02/11/2005 18:32	
Total xylenes	ND	1.0	ug/L	1.00	02/11/2005 18:32	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	02/11/2005 18:32	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/11/2005 18:32	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	106.8	73-130	%	1.00	02/11/2005 18:32	
Toluene-d8	111.7	81-114	%	1.00	02/11/2005 18:32	

**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: 050202-BA1

98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-2	Lab ID: 2005-02-0160 - 2
Sampled: 02/02/2005 11:50	Extracted: 2/11/2005 21:30
Matrix: Water	QC Batch#: 2005/02/11-2A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	02/11/2005 21:30	Q6
Benzene	ND	0.50	ug/L	1.00	02/11/2005 21:30	
Toluene	ND	0.50	ug/L	1.00	02/11/2005 21:30	
Ethylbenzene	ND	0.50	ug/L	1.00	02/11/2005 21:30	
Total xylenes	ND	1.0	ug/L	1.00	02/11/2005 21:30	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	02/11/2005 21:30	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/11/2005 21:30	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	104.4	73-130	%	1.00	02/11/2005 21:30	
Toluene-d8	110.0	81-114	%	1.00	02/11/2005 21:30	



**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: 050202-BA1

98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

Prep(s): 5030B Test(s): 8260B  
 Sample ID: **MW-4** Lab ID: 2005-02-0160 - 4  
 Sampled: 02/02/2005 12:48 Extracted: 2/16/2005 11:36  
 Matrix: Water QC Batch#: 2005/02/16-1A.68  
 Analysis Flag: L2 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	12000	1000	ug/L	20.00	02/16/2005 11:36	
Benzene	1200	10	ug/L	20.00	02/16/2005 11:36	
Toluene	85	10	ug/L	20.00	02/16/2005 11:36	
Ethylbenzene	31	10	ug/L	20.00	02/16/2005 11:36	
Total xylenes	ND	20	ug/L	20.00	02/16/2005 11:36	
tert-Butyl alcohol (TBA)	1900	100	ug/L	20.00	02/16/2005 11:36	
Methyl tert-butyl ether (MTBE)	1600	10	ug/L	20.00	02/16/2005 11:36	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	137.0	73-130	%	20.00	02/16/2005 11:36	S7
Toluene-d8	110.6	81-114	%	20.00	02/16/2005 11:36	

**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: 050202-BA1

98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-5	Lab ID: 2005-02-0160 - 5
Sampled: 02/02/2005 12:08	Extracted: 2/14/2005 13:31
Matrix: Water	QC Batch#: 2005/02/14-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	02/14/2005 13:31	
Benzene	ND	0.50	ug/L	1.00	02/14/2005 13:31	
Toluene	ND	0.50	ug/L	1.00	02/14/2005 13:31	
Ethylbenzene	ND	0.50	ug/L	1.00	02/14/2005 13:31	
Total xylenes	ND	1.0	ug/L	1.00	02/14/2005 13:31	
tert-Butyl alcohol (TBA)	400	5.0	ug/L	1.00	02/14/2005 13:31	
Methyl tert-butyl ether (MTBE)	4.3	0.50	ug/L	1.00	02/14/2005 13:31	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	107.4	73-130	%	1.00	02/14/2005 13:31	
Toluene-d8	104.1	81-114	%	1.00	02/14/2005 13:31	

**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: 050202-BA1

98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>MW-6</b>	Lab ID: 2005-02-0160 - 6
Sampled: 02/02/2005 11:15	Extracted: 2/11/2005 22:59
Matrix: Water	QC Batch#: 2005/02/11-2A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	02/11/2005 22:59	
Benzene	ND	0.50	ug/L	1.00	02/11/2005 22:59	
Toluene	ND	0.50	ug/L	1.00	02/11/2005 22:59	
Ethylbenzene	ND	0.50	ug/L	1.00	02/11/2005 22:59	
Total xylenes	ND	1.0	ug/L	1.00	02/11/2005 22:59	
tert-Butyl alcohol (TBA)	95	5.0	ug/L	1.00	02/11/2005 22:59	
Methyl tert-butyl ether (MTBE)	12	0.50	ug/L	1.00	02/11/2005 22:59	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	105.7	73-130	%	1.00	02/11/2005 22:59	
Toluene-d8	112.2	81-114	%	1.00	02/11/2005 22:59	

**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: 050202-BA1

98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2005/02/11-2A.64-001

Water

Test(s): 8260B

QC Batch # 2005/02/11-2A.64

Date Extracted: 02/11/2005 18:01

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	02/11/2005 18:01	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	02/11/2005 18:01	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	02/11/2005 18:01	
Benzene	ND	0.5	ug/L	02/11/2005 18:01	
Toluene	ND	0.5	ug/L	02/11/2005 18:01	
Ethylbenzene	ND	0.5	ug/L	02/11/2005 18:01	
Total xylenes	ND	1.0	ug/L	02/11/2005 18:01	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	109.8	73-130	%	02/11/2005 18:01	
Toluene-d8	110.2	81-114	%	02/11/2005 18:01	

**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: 050202-BA1  
98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2005/02/14-1A.69-010

Water

Test(s): 8260B

QC Batch # 2005/02/14-1A.69

Date Extracted: 02/14/2005 09:10

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	02/14/2005 09:10	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	02/14/2005 09:10	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	02/14/2005 09:10	
Benzene	ND	0.5	ug/L	02/14/2005 09:10	
Toluene	ND	0.5	ug/L	02/14/2005 09:10	
Ethylbenzene	ND	0.5	ug/L	02/14/2005 09:10	
Total xylenes	ND	1.0	ug/L	02/14/2005 09:10	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	106.4	73-130	%	02/14/2005 09:10	
Toluene-d8	109.8	81-114	%	02/14/2005 09:10	



**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: 050202-BA1

98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

**Batch QC Report**

Prep(s): 5030B

**Method Blank**

MB: 2005/02/16-1A.68-050

**Water**

Test(s): 8260B

**QC Batch # 2005/02/16-1A.68**

Date Extracted: 02/16/2005 10:50

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	02/16/2005 10:50	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	02/16/2005 10:50	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	02/16/2005 10:50	
Benzene	ND	0.5	ug/L	02/16/2005 10:50	
Toluene	ND	0.5	ug/L	02/16/2005 10:50	
Ethylbenzene	ND	0.5	ug/L	02/16/2005 10:50	
Total xylenes	ND	1.0	ug/L	02/16/2005 10:50	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	116.2	73-130	%	02/16/2005 10:50	
Toluene-d8	108.8	81-114	%	02/16/2005 10:50	

**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: 050202-BA1  
98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2005/02/11-2A.64**

LCS 2005/02/11-2A.64-038  
LCSD

Extracted: 02/11/2005

Analyzed: 02/11/2005 17:38

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	28.0		25	112.0			65-165	20		
Benzene	26.3		25	105.2			69-129	20		
Toluene	25.5		25	102.0			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	501		500	100.2			73-130			
Toluene-d8	556		500	111.2			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

02/17/2005 15:40

**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: 050202-BA1  
98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2005/02/14-1A.69**

LCS 2005/02/14-1A.69-051

Extracted: 02/14/2005

Analyzed: 02/14/2005 08:51

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	27.3		25	109.2			65-165	20		
Benzene	21.2		25	84.8			69-129	20		
Toluene	23.7		25	94.8			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	521		500	104.2			73-130			
Toluene-d8	553		500	110.6			81-114			

**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: 050202-BA1

98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2005/02/16-1A.68**

LCS 2005/02/16-1A.68-033

Extracted: 02/16/2005

Analyzed: 02/16/2005 10:33

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	24.4		25	97.6			65-165	20		
Benzene	21.9		25	87.6			69-129	20		
Toluene	23.1		25	92.4			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	491		500	98.2			73-130			
Toluene-d8	530		500	106.0			81-114			

**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: 050202-BA1

98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2005/02/11-2A.64**

MW-1 >> MS

Lab ID: 2005-02-0160 - 001

MS: 2005/02/11-2A.64-054

Extracted: 02/11/2005

Analyzed: 02/11/2005 18:54

Dilution: 1.00

MSD: 2005/02/11-2A.64-016

Extracted: 02/11/2005

Analyzed: 02/11/2005 19:16

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	33.3	25.7	ND	25	133.2	102.8	25.8	69-129	20	M4	R1
Toluene	32.3	25.1	ND	25	129.2	100.4	25.1	70-130	20		R1
Methyl tert-butyl ether	36.3	29.7	ND	25	145.2	118.8	20.0	65-165	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	496	496		500	99.2	99.2		73-130			
Toluene-d8	549	535		500	109.8	107.0		81-114			

**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: 050202-BA1  
98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2005/02/14-1A.69**

MS/MSD

Lab ID: 2005-02-0211 - 005

MS: 2005/02/14-1A.69-042

Extracted: 02/14/2005

Analyzed: 02/14/2005 10:42

Dilution: 1.00

MSD: 2005/02/14-1A.69-001

Extracted: 02/14/2005

Analyzed: 02/14/2005 11:01

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	20.2	22.5	ND	25	80.8	90.0	10.8	65-165	20		
Benzene	18.3	21.5	ND	25	73.2	86.0	16.1	69-129	20		
Toluene	20.1	21.8	ND	25	80.4	87.2	8.1	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	512	503		500	102.4	100.6		73-130			
Toluene-d8	589	545		500	117.8	109.0		81-114		S7	

**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: 050202-BA1

98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2005/02/16-1A.68**

MS/MSD

Lab ID: 2005-02-0254 - 003

MS: 2005/02/16-1A.68-003

Extracted: 02/16/2005

Analyzed: 02/16/2005 13:03

Dilution: 1.00

MSD: 2005/02/16-1A.68-021

Extracted: 02/16/2005

Analyzed: 02/16/2005 13:21

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	26.6	25.1	ND	25	106.4	100.4	5.8	65-165	20		
Benzene	24.5	25.9	ND	25	98.0	103.6	5.6	69-129	20		
Toluene	26.9	27.1	ND	25	107.6	108.4	0.7	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	500	503		500	100.0	100.6		73-130			
Toluene-d8	569	569		500	113.8	113.8		81-114			

**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: 050202-BA1  
98995745

Received: 02/03/2005 13:31

Site: 6039 College Avenue, Oakland

---

**Legend and Notes**

---

**Sample Comment**

Lab ID: 2005-02-0160 -2

Siloxane peaks were found in the sample, which are not believed to be gasoline related. If they were to be quantified as gasoline, the concentration would be 61 ug/L

**Analysis Flag**

L2

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

**Result Flag**

M4

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

Q6

The concentration reported reflect(s) individual or discrete unidentified peaks not matching a typical fuel pattern.

R1

Analyte RPD was out of QC limits.

S7

Surrogate recoveries higher than acceptance limits.



Lab Identification (if necessary)

Address

City, State, Zip

Shell Project Manager to be invoiced:

SCIENCE & ENGINEERING  
 TECHNICAL SERVICES  
 CRMT HOUSTON

Karen Petryna

2005-02-0160

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 7 4 5

SAP or CRMT NUMBER (TS/CRMT)

DATE 2/2/05

PAGE: 1 of 1

ANALYST COMPANY Blaine Tech Services	LAB CODE BTSS	SITE ADDRESS (Street and City) 6039 College Avenue, Oakland	GLOBAL ID# T0600101272
ADDRESS 1680 Rogers Avenue, San Jose, CA 95112	CONTACT PERSON Anni Kremt	PHONE NO. (510) 420-3335	GLOBAL PROJECT NO. 050202-3A1
PROJECT CONTACT (Name/Title/Office) Leon Gearhart	SAMPLER NAME(S) Brian Alcorn		LAB USE ONLY
TELEPHONE 408-573-0555	FAX 408-573-7771	EMAIL lgearhart@blainetech.com	

TURNAROUND TIME (BUSINESS DAYS):  
 2-3 DAYS  5 DAYS  72 HOURS  48 HOURS  24 HOURS  LESS THAN 24 HOURS

REQUESTED ANALYSIS

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

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

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

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	NTBE (8260E - 0.5ppb RL)	Oxybenzones (S) by (8260B)	Ethanol (8260E)	Methanol	1,2-DCA (8260B)	EOD (8260B)	EPA 8270	Oil & Grease (8260B/F)	TPH - Diesel Extractable (E015m)	TEMPERATURE ON RECEIPT °C
		DATE	TIME															
	MW-1	2/2	1132	W	3	X	X	X						X				
	MW-2		1150		6	X	X	X						X				
	MW-3		1228		7	X	X	X						X	X	X		
	MW-4		1248		6	X	X	X						X	X	X		
	MW-5		1208		3	X	X	X						X				
	MW-6		1115		6	X	X	X						X				

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

Requested by (Signature) <i>[Signature]</i>	Received by (Signature) <i>[Signature]</i>	Date 2/3/05	Time 1331
Requested by (Signature) <i>[Signature]</i>	Received by (Signature) <i>[Signature]</i>	Date 02/03/05	Time 1733
Requested by (Signature) <i>[Signature]</i>	Received by (Signature) <i>[Signature]</i>	Date	Time

**Brewer, Melissa**

---

**From:** Kreml, Anni [akreml@cambria-env.com]  
**Sent:** Thursday, February 10, 2005 11:04 AM  
**To:** Brewer, Melissa  
**Cc:** 'Leon Gearhart'  
**Subject:** RE: Verification/notification 6039 College Avenue, Oakland : 2005-02-0160

Melissa-

The oil & grease analyses should be done with silica gel clean-up.

Thanks,  
Anni Kreml  
Senior Staff Scientist  
Cambria Environmental Technology, Inc.  
(510) 420-3335

-----Original Message-----

**From:** Brewer, Melissa [mailto:MBrewer@stl-inc.com]  
**Sent:** Thursday, February 10, 2005 10:57 AM  
**To:** Leon Gearhart  
**Cc:** Kreml, Anni  
**Subject:** Verification/notification 6039 College Avenue, Oakland : 2005-02-0160

From: Melissa Brewer <mbrewer@stl-inc.com>

Project#: 050202-BA1  
Project Name: 98995745

This email includes reports for the following tests:

- Cover Letter  
File: STLSF2005020160-ChainofCustody-COC0000428027.PDF
- Project Verification Sheet  
File: STLSF2005020160-ProjectVerificationSheet-PVS0000429122.PDF

5520 B&F cannot be used anymore because we can't use Freon anymore. Would you send me a confirmation that substituting EPA 1664 (petroleum) is OK? Thanks.

Please let me know if you have any questions.

Melissa Brewer  
Project Manager

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566-4756

Phone: (925) 484-1919

Fax: (925) 484-1096

Confidentiality Notice:

The information contained in this message is privileged and confidential intended only for the use of the addressee.

If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution and copying of this communication is strictly prohibited.

If you have received this communication in error, please notify us immediately by telephone at (925) 484-1919

Confidentiality Notice: The information contained in this message is intended only for the use of the addressee, and may be confidential and/or privileged. If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately.



## SHELL WELL MONITORING DATA SHEET

BTS #: <u>050202-BA1</u>	Site: <u>6039 College, Oakland</u>
Sampler: <u>Brian Alcorn</u>	Date: <u>2/2/05</u>
Well I.D.: <u>MW-1</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth (TD): <u>24.60</u>	Depth to Water (DTW): <u>12.82</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>15.17</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

Other: \_\_\_\_\_

$\frac{7.7 \text{ (Gals.)} \times 3}{1 \text{ Case Volume}} = \frac{23.1 \text{ Gals.}}{\text{Specified Volumes}} = \text{Calculated Volume}$	<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
1126	65.1	6.5	498	827	8.0	brown
1128	65.8	6.4	429	>1,000	16.0	"
1130	66.1	6.4	430	855	24.0	"

Did well dewater? Yes (No) Gallons actually evacuated: 24

Sampling Date: 2/2/05 Sampling Time: 1132 Depth to Water: 14.44

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

## SHELL WELL MONITORING DATA SHEET

BTS #: 050202-3A1	Site: 6039 College, Oakland
Sampler: Brian Alcorn	Date: 2/2/05
Well I.D.: Mw-2	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 24.39	Depth to Water (DTW): 12.24
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.67	

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: \_\_\_\_\_

7.9 (Gals.) X 3 = 23.7 Gals.  
 I 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 <u>µS</u> )	Turbidity (NTUs)	Gals. Removed	Observations
1145	66.0	6.5	399	<del>41</del> 8.5	8.0	clear
1147	65.8	6.3	389	26	16.0	"
1149	65.8	6.4	387	20	24.0	"

Did well dewater? Yes No      Gallons actually evacuated: 24.0

Sampling Date: 2/2/05      Sampling Time: 1150      Depth to Water: 14.10

Sample I.D.: Mw-2      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):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV



## SHELL WELL MONITORING DATA SHEET

BTS #: 050202-BA1	Site: 6039 College, Oakland
Sampler: Brian Alcorn	Date: 2/2/05
Well I.D.: MW-4	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 23.32	Depth to Water (DTW): 12.68
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.80	

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

<u>7.0</u> (Gals.) X <u>3</u> = <u>21.0</u> Gals.	
I 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 <u>µS</u> )	Turbidity (NTUs)	Gals. Removed	Observations
1243	64.3	6.6	629	32	7.0	clear
1245	64.6	6.5	653	20	14.0	" odor
1247	64.9	6.6	647	15	21.0	" "

Did well dewater? Yes  No  Gallons actually evacuated: 21.0

Sampling Date: 2/2/05      Sampling Time: 1248      Depth to Water: 14.60

Sample I.D.: MW-4      Laboratory: STL Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D      Other: TBA, EPA 800, Oil+Grease w/Silica Gel Cleanup

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

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

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





## SHELL WELL MONITORING DATA SHEET

BTS #: 050202-BA1	Site: 6039 College, Oakland
Sampler: Brian Alcom	Date: 2/2/05
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8
Total Well Depth (TD): 24.17	Depth to Water (DTW): 10.78
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: (Bailer) <ul style="list-style-type: none"> <li>Disposible Bailer</li> <li>Positive Air Displacement</li> <li>Electric Submersible</li> </ul>	Waterra <ul style="list-style-type: none"> <li>Peristaltic</li> <li>Extraction Pump</li> <li>Other _____</li> </ul>	Sampling Method: (Bailer) <ul style="list-style-type: none"> <li>Disposible Bailer</li> <li>Extraction Port</li> <li>Dedicated Tubing</li> <li>Other: _____</li> </ul>
---	---	--

$2.2 \text{ (Gals.)} \times 3 = 6.6 \text{ Gals.}$ 1 Case Volume      Specified Volumes      Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <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
1106	64.5	6.0	565	>1,000	2.25	gray-brown
1110	65.1	6.2	548	>1,000	4.5	"
1113	65.2	6.3	541	>1,000	6.75	"

Did well dewater? Yes (No)      Gallons actually evacuated: 6.75

Sampling Date: 2/2/05      Sampling Time: 1115      Depth to Water: 10.92

Sample I.D.: MW-6      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):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV