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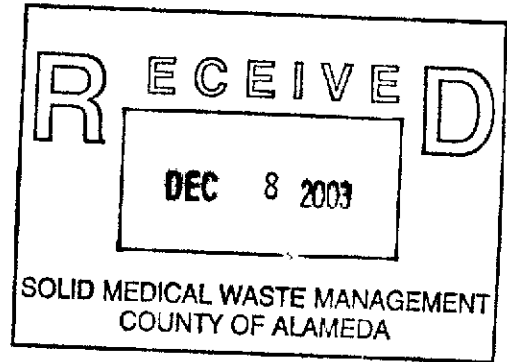


**Shell Oil Products US**

December 2, 2003

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

Subject: Shell-branded Service Station  
1784 150th Avenue  
San Leandro, California



Dear Ms. chu:

Attached for your review and comment is a copy of the *Third Quarter 2003 Monitoring Report* for the above referenced site. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

As always, please feel free to contact me directly at (559) 645-9306 with any questions or concerns.

Sincerely,

**Shell Oil Products US**

A handwritten signature in cursive script that reads "Karen Petryna".

Karen Petryna  
Sr. Environmental Engineer

December 2, 2003

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

Re: **Third Quarter 2003 Monitoring Report**  
Shell-branded Service Station  
1784 150th Avenue  
San Leandro, California  
Incident #98996068  
Cambria Project #245-0612-002



Dear Ms. chu:

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

### **THIRD QUARTER 2003 ACTIVITIES**

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

**Additional Oxygenate Analysis:** As requested in a letter dated October 22, 2002 from Alameda County Health Care Services Agency (ACHCSA), groundwater samples were analyzed for the presence of methyl tert-butyl ether (MTBE), tert-butyl alcohol (TBA), ethyl tert-butyl ether, tert-amyl methyl ether (TAME), di-isopropyl ether, 1,2-dichloroethane (1,2-DCA) and 1,2-dibromoethane (or ethylene dibromide) using EPA Method 8260 in the fourth quarter of 2002. During that event, no oxygenates or additives were detected in any of the groundwater samples from off-site wells; however, MTBE and TBA were detected in on-site wells MW-1 and MW-2, and 1,2-DCA was detected in MW-1 and MW-3. As a result, only groundwater from on-site wells continues to be analyzed for MTBE, TAME, TBA and 1,2-DCA. Analytical results for the third quarter of 2003 showed MTBE concentrations of 130 parts per billion (ppb) and

**Cambria  
Environmental  
Technology, Inc.**

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

19,000 ppb in wells MW-1 and MW-2, respectively. TBA was detected above the laboratory detection limit in MW-2 only, at a concentration of 6,000 ppb. In addition, 1.1 ppb of 1,2-DCA was detected in MW-3. Analytical results are presented in Table 1.

**Mobile Groundwater Extraction (GWE):** In July 2002, Onyx Industrial Services (Onyx) of Benicia, California began conducting semi-monthly GWE using monitoring well MW-2 for three events and continuing on a monthly basis thereafter. As of November 12, 2003, approximately 4.4 pounds of total petroleum hydrocarbons as gasoline and approximately 1.6 pounds of MTBE had been removed from the subsurface (Table 2). The effect of GWE on MTBE concentrations in well MW-2 is depicted graphically in Figure 3.

**Soil and Groundwater Investigation:** From November 3 through 5, 2003, Cambria installed one off-site monitoring well (MW-9) and two on-site monitoring wells (MW-10, MW-11) as proposed in Cambria's August 28, 2003 *Soil and Water Investigation Report and Work Plan*, and as approved in a September 17, 2003 letter from ACHCSA. Cambria had proposed to install two soil borings (SB-17, SB-18) on the adjacent property southeast of the site. However, the property owner declined to sign an access agreement with Shell, and so Cambria was unable to complete that portion of the investigation. Cambria will submit a report of the field activities and analytical results under no later than January 6, 2004.

## ANTICIPATED FOURTH QUARTER 2003 ACTIVITIES

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

**Additional Oxygenate and Lead Scavenger Analysis:** Groundwater from on-site wells MW-1, MW-2 and MW-3 will continue to be analyzed quarterly for MTBE, TAME, TBA and 1,2-DCA.

**GWE:** Onyx will continue conducting monthly GWE using monitoring well MW-2.

**Soil and Groundwater Investigation Report:** Cambria will submit a *Soil and Water Investigation Report* summarizing the November 3-6, 2003 field activities and analytical results. The report will also include recommendations regarding further investigation at the site based on the analytical and geological data gathered during this and previous investigations.

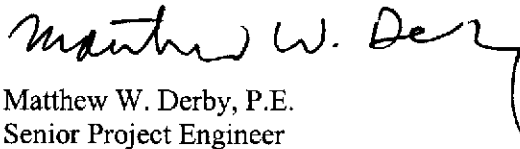
**CLOSING**

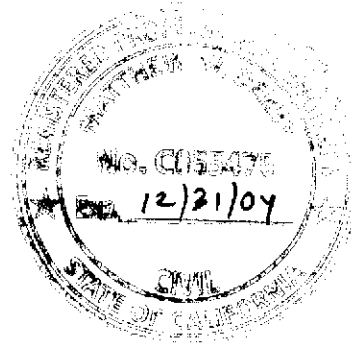
We appreciate the opportunity to work with you on this project. Please call Melody Munz at (510) 420-3324 if you have any questions or comments.

Sincerely,  
**Cambria Environmental Technology, Inc**



  
Melody Munz  
Project Engineer

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



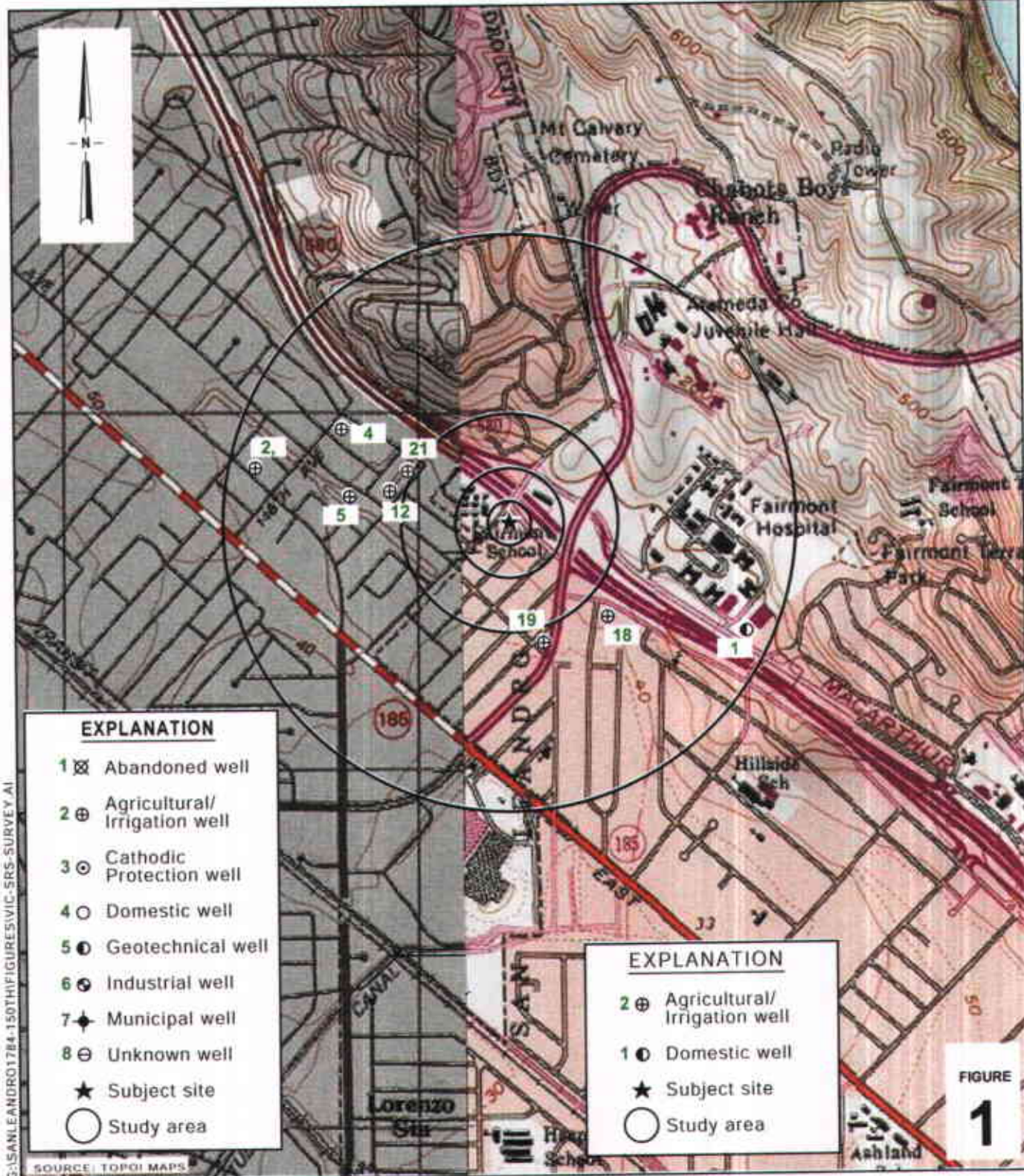
Figures: 1 - Vicinity/SRS Survey Map  
2 - Groundwater Elevation Contour Map  
3 - TFE VacOps Effect on MTBE Concentration (MW-2)

Tables: 1 - Groundwater Analytical Data - Oxygenates  
2 - Groundwater Extraction - Mass Removal Data

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

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

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- EXPLANATION**
- 1 ☒ Abandoned well
  - 2 ⊕ Agricultural/Irrigation well
  - 3 ⊙ Cathodic Protection well
  - 4 ○ Domestic well
  - 5 ● Geotechnical well
  - 6 ⊕ Industrial well
  - 7 ◆ Municipal well
  - 8 ⊖ Unknown well
  - ★ Subject site
  - Study area

- EXPLANATION**
- 2 ⊕ Agricultural/Irrigation well
  - 1 ○ Domestic well
  - ★ Subject site
  - Study area

FIGURE 1

0 1/8 1/4 1/2 1  
SCALE: 1" = 1/4 MILE

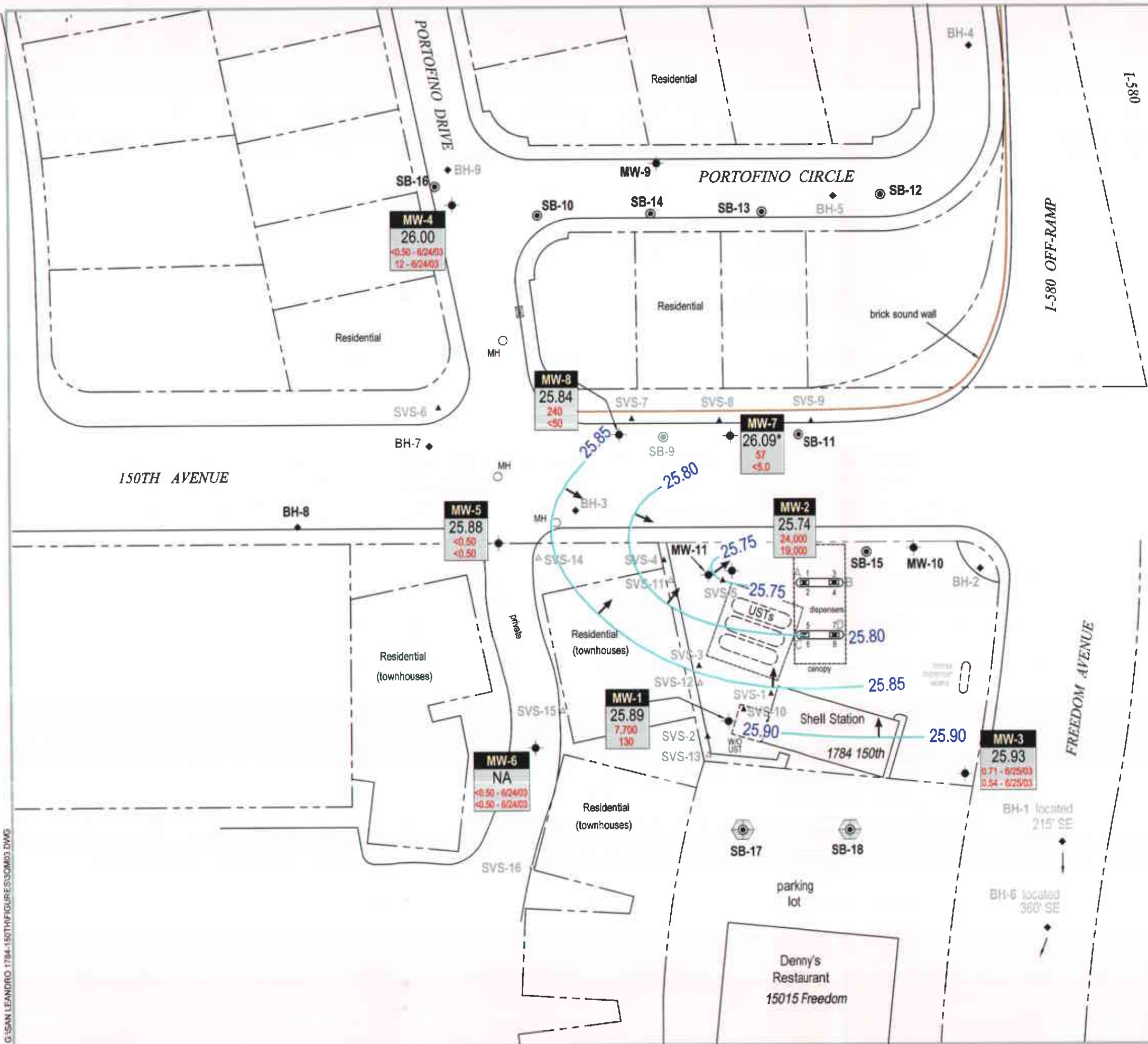
**Shell-branded Service Station**  
1784 150th Avenue  
San Leandro, California  
Incident #98996068



C A M B R I A

**Vicinity/SRS  
Survey Map**  
(1/2-Mile Radius)



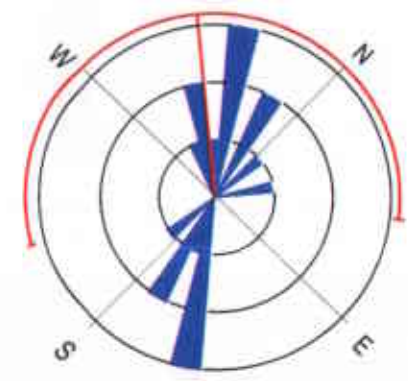


### EXPLANATION

- SB-17 Proposed soil boring location
- MW-1 Monitoring well location
- BH-1 Soil boring location (Weiss, 6/94)
- BH-7 Soil boring location (Weiss, 3/95)
- A Dispenser soil sample location (Weiss, 3/95)
- SVS-1 Soil boring location (Cambria, 7/96)
- SVS-11 Soil boring location (Cambria, 11/98)
- SB-9 Soil boring location (Cambria, 10/02)
- SB-10 Soil boring location (Cambria, 6/03)
- NA Not available
- Data anomalous, not used for contouring
- Groundwater flow direction
- Groundwater elevation contour, in feet above mean sea level (msl), approximately located, dashed where inferred

Well	ELEV	Benzene	MTBE
MW-4	26.00	<0.50	6/24/03
MW-8	25.84	240	<5.0
MW-7	26.09	57	<5.0
MW-5	25.88	<0.50	<0.50
MW-2	25.74	24,000	19,000
MW-1	25.89	7,700	130
MW-6	NA	<0.50	6/24/03
MW-3	25.93	0.71	0.54

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



Groundwater Flow Direction  
(06/14/99 to 06/24/03)

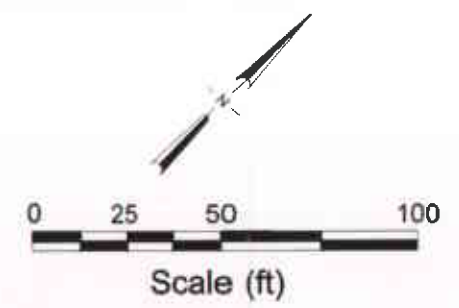


FIGURE  
**2**



TFE VacOps Effect on MTBE Concentration  
1784 150th Street, San Leandro, MW-2

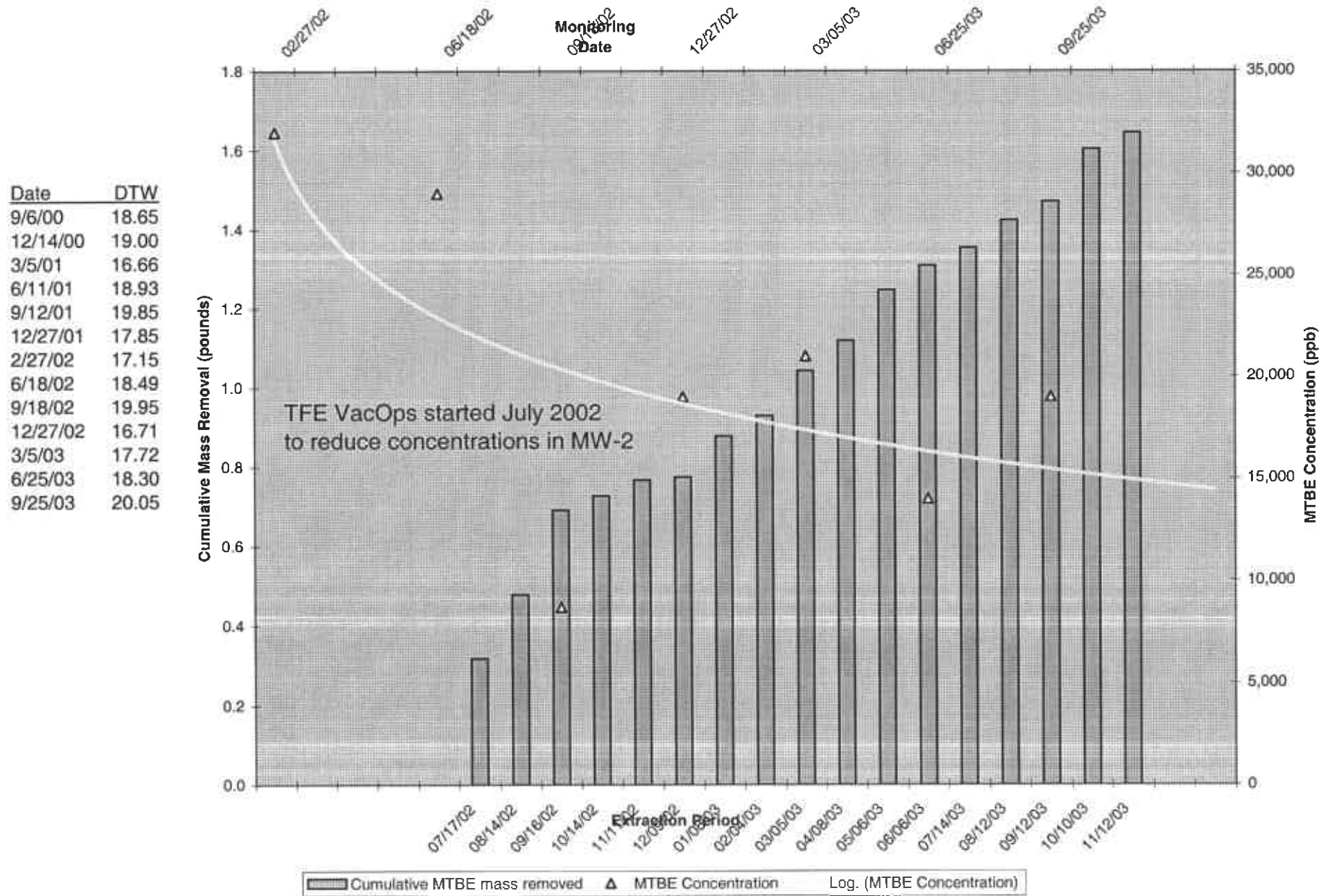


Figure 3

# CAMBRIA

**Table 1. Groundwater Analytical Data - Oxygenates - Shell-branded Service Station, Incident #98996068, 1784 150th Avenue, San Leandro, California**

Sample ID	Date Sampled	MTBE	DIPE	ETBE	TAME	TBA	1,2-DCA	EDB
		(Concentrations in ppb)						
MW-1	12/27/02	230	<5.0	<5.0	<5.0	310	31	<5.0
	03/05/03	230	---	---	<10	290	<10	---
	06/25/03	100	---	---	<200	<500	<50	---
	<b>09/25/03</b>	<b>130</b>	---	---	<b>&lt;200</b>	<b>&lt;500</b>	<b>&lt;50</b>	---
MW-2	12/27/02	19,000	<50	<50	55	10,000	<50	<50
	03/05/03	21,000	---	---	<50	10,000	<50	---
	06/24/03	14,000	---	---	<400	6,000	<100	---
	<b>09/25/03</b>	<b>19,000</b>	---	---	<b>&lt;1,000</b>	<b>6,400</b>	<b>&lt;250</b>	---
MW-3	03/05/03	<5.0	---	---	<2.0	<50	13	---
	06/25/03	0.54	---	---	<2.0	<5.0	1.1	---
MW-5	12/27/02	<0.50	<2.0	<2.0	<2.0	<50	<2.0	<2.0
MW-6	12/27/02	<0.50	<2.0	<2.0	<2.0	<50	<2.0	<2.0
MW-7	12/27/02	<10	<10	<10	<10	<100	<10	<10
MW-8	12/27/02	<10	<10	<10	<10	<100	<10	<10



**Table 1. Groundwater Analytical Data - Oxygenates - Shell-branded Service Station, Incident #98996068, 1784 150th Avenue, San Leandro, California**

Sample ID	Date Sampled	MTBE	DIPE	ETBE	TAME	TBA	1,2-DCA	EDB
		← (Concentrations in ppb) →						

**Abbreviations:**

- MTBE = Methyl tert-butyl ether, analyzed by EPA Method 8260
- DIPE = Di-isopropyl ether, analyzed by EPA Method 8260
- ETBE = Ethyl tert-butyl ether, analyzed by EPA Method 8260
- TAME = Tert-amyl methyl ether, analyzed by EPA Method 8260
- TBA = Tert-butyl alcohol, analyzed by EPA Method 8260
- 1,2-DCA = 1,2-dichloroethane, analyzed by EPA Method 8260
- EDB = 1,2-dibromomethane or ethylene dibromide, analyzed by EPA Method 8260
- ppb = Parts per billion
- = Not analyzed

**Table 2: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98996068, 1784 150th Avenue, San Leandro, 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)	
07/03/02	MW-2	482	482	06/18/02	72,000	0.28958	0.28958	9,500	0.03821	0.03821	29,000	0.11664	0.11664	
07/17/02	MW-2	834	1,316	06/18/02	72,000	0.50106	0.79064	9,500	0.06611	0.10432	29,000	0.20182	0.31845	
07/31/02	MW-2	213	1,529	06/18/02	72,000	0.12797	0.91861	9,500	0.01688	0.12121	29,000	0.05154	0.37000	
08/14/02	MW-2	664	2,193	06/18/02	72,000	0.39893	1.31754	9,500	0.05264	0.17384	29,000	0.16068	0.53068	
09/16/02	MW-2	662	2,855	06/18/02	72,000	0.39773	1.71527	9,500	0.05248	0.22632	29,000	0.16019	0.69087	
10/14/02	MW-2	501	3,356	09/18/02	48,000	0.20067	1.91593	7,600	0.03177	0.25809	8,700	0.03637	0.72724	
11/11/02	MW-2	547	3,903	09/18/02	48,000	0.21909	2.13502	7,600	0.03469	0.29278	8,700	0.03971	0.76695	
12/09/02	MW-2	106	4,009	09/18/02	48,000	0.04246	2.17748	7,600	0.00672	0.29950	8,700	0.00770	0.77465	
01/08/03	MW-2	652	4,661	12/27/02	40,000	0.21762	2.39510	5,900	0.03210	0.33160	19,000	0.10337	0.87802	
02/04/03	MW-2	326	4,987	12/27/02	40,000	0.10881	2.50391	5,900	0.01605	0.34765	19,000	0.05168	0.92970	
03/05/03	MW-2	647	5,634	03/05/03	62,000	0.33473	2.83863	13,000	0.07018	0.41784	21,000	0.11337	1.04308	
04/08/03	MW-2	434	6,068	03/05/03	62,000	0.22453	3.06316	13,000	0.04708	0.46491	21,000	0.07605	1.11913	
05/06/03	MW-2	736	6,804	03/05/03	62,000	0.38077	3.44393	13,000	0.07984	0.54475	21,000	0.12897	1.24810	
06/06/03	MW-2	348	7,152	03/05/03	62,000	0.18004	3.62397	13,000	0.03775	0.58250	21,000	0.06098	1.30908	
07/14/03	MW-2	391	7,543	06/24/03	19,000	0.06199	3.68596	9,500	0.03100	0.61350	14,000	0.04568	1.35475	
08/12/03	MW-2	591	8,134	06/24/03	19,000	0.09370	3.77966	9,500	0.04685	0.66035	14,000	0.06904	1.42380	
09/12/03	MW-2	399	8,533	06/24/03	19,000	0.06326	3.84292	9,500	0.03163	0.69198	14,000	0.04661	1.47041	
10/10/03	MW-2	837	9,370	09/25/03	65,000	0.45397	4.29689	24,000	0.16762	0.85960	19,000	0.13270	1.60311	
11/12/03	MW-2	259	9,629	09/25/03	65,000	0.14048	4.43737	24,000	0.05187	0.91147	19,000	0.04106	1.64417	
<b>Total Gallons Extracted:</b>			<b>9,629</b>	<b>Total Pounds Removed:</b>			<b>4.43737</b>	<b>Total Pounds Removed:</b>			<b>0.91147</b>	<b>Total Pounds Removed:</b>		<b>1.64417</b>
				<b>Total Gallons Removed:</b>			<b>0.72744</b>				<b>0.12486</b>			<b>0.26519</b>

Abbreviations & Notes:

**Table 2: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98996068, 1784 150th Avenue, San Leandro, California**

Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	<u>TPPH</u>			<u>Benzene</u>			<u>MTBE</u>		
					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)

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, and MTBE analyzed by EPA Method 8260

If concentration is less than the laboratory detection limit, one half of the detection limit concentration is used in the mass removal calculation.

Groundwater extracted by vacuum trucks provided by Onyx. Water disposed of at a Martinez Refinery.

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



**BLAINE**  
TECH SERVICES, INC.



1680 ROGERS AVENUE  
SAN JOSE, CA 95112-1105  
(408) 573-7771 FAX  
(408) 573-0555 PHONE  
CONTRACTOR'S LICENSE #746684  
www.blainetech.com

October 27, 2003

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

Third Quarter 2003 Groundwater Monitoring at  
Shell-branded Service Station  
1784 150<sup>th</sup> Avenue  
San Leandro, CA

Monitoring performed on September 25, 2003

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Groundwater Monitoring Report **030925-AC-2**

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

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

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

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

Please call if you have any questions.

Yours truly,

Leon Gearhart  
Project Coordinator

LG/jt

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

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

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**1784 150th Avenue**  
**San Leandro, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft)	DO Reading (ppm)
MW-1	03/08/1990	510	120	1.5	0.8	<0.5	5.4	NA	NA	49.13	25.29	23.84	NA	NA
MW-1	06/12/1990	390	100	86	1.3	0.7	6.2	NA	NA	49.13	25.85	23.28	NA	NA
MW-1	09/13/1990	100	130	56	0.75	2.4	2.8	NA	NA	49.13	27.49	21.64	NA	NA
MW-1	12/18/1990	480	<50	54	1.7	3.3	3.7	NA	NA	49.13	27.41	21.72	NA	NA
MW-1	03/07/1991	80	<50	266	<0.5	1.2	<1.5	NA	NA	49.13	25.79	23.34	NA	NA
MW-1	06/07/1991	510	<50	130	3.8	6.1	11	NA	NA	49.13	25.64	23.49	NA	NA
MW-1	09/17/1991	330	120a	67	<0.5	3.0	2.2	NA	NA	49.13	27.54	21.59	NA	NA
MW-1	12/09/1991	140a	80	<0.5	<0.5	1.7	4.7	NA	NA	49.13	27.81	21.32	NA	NA
MW-1	02/13/1992	NA	NA	NA	NA	NA	NA	NA	NA	49.13	25.57	23.56	NA	NA
MW-1	02/24/1992	NA	NA	NA	NA	NA	NA	NA	NA	49.13	22.83	26.30	NA	NA
MW-1	02/27/1992	NA	NA	NA	NA	NA	NA	NA	NA	49.13	23.09	26.04	NA	NA
MW-1	03/01/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	49.13	23.26	25.87	NA	NA
MW-1	06/03/1992	1,500	NA	520	180	72	230	NA	NA	49.13	24.64	24.49	NA	NA
MW-1	09/01/1992	130	NA	16	1.4	1.8	3.4	NA	NA	49.13	26.74	22.39	NA	NA
MW-1	10/06/1992	NA	NA	NA	NA	NA	NA	NA	NA	49.13	27.18	21.95	NA	NA
MW-1	11/11/1992	NA	NA	NA	NA	NA	NA	NA	NA	49.13	27.99	21.14	NA	NA
MW-1	12/04/1992	150	NA	360	0.7	1.8	2.1	NA	NA	49.13	27.14	21.99	NA	NA
MW-1	01/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	49.13	20.09	29.04	NA	NA
MW-1	02/10/1993	NA	NA	NA	NA	NA	NA	NA	NA	49.13	24.26	24.87	NA	NA
MW-1	03/03/1993	<50	NA	1.5	<0.5	<0.5	<0.5	NA	NA	49.13	20.50	28.63	NA	NA
MW-1	05/11/1993	NA	NA	NA	NA	NA	NA	NA	NA	49.13	21.70	27.43	NA	NA
MW-1	06/17/1993	1,600	NA	340	120	120	440	NA	NA	49.13	22.42	26.71	NA	NA
MW-1	09/10/1993	2,600	NA	670	340	310	730	NA	NA	49.13	24.11	25.02	NA	NA
MW-1	12/13/1993	11,000	NA	470	320	380	2,300	NA	NA	49.13	23.73	25.40	NA	NA
MW-1	03/03/1994	16,000	NA	700	690	480	3,200	NA	NA	49.13	22.08	27.05	NA	NA
MW-1	06/06/1994	7,500	NA	420	280	200	1,000	NA	NA	49.13	23.10	26.03	NA	NA
MW-1	09/12/1994	1,200	NA	110	21	3.3	420	NA	NA	49.13	25.19	23.94	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**1784 150th Avenue**  
**San Leandro, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-1	12/19/1994	4,600	NA	470	330	230	1,300	NA	NA	49.13	23.06	26.07	NA	NA
MW-1	02/28/1995	500	NA	59	32	6.8	68	NA	NA	49.13	20.90	28.23	NA	NA
MW-1	03/24/1995	NA	NA	NA	NA	NA	NA	NA	NA	49.13	18.28	30.85	NA	NA
MW-1	06/26/1995	5,500	NA	740	420	300	1,800	NA	NA	49.13	20.40	28.73	NA	NA
MW-1	09/13/1995	84,000	NA	1,900	2,600	3,000	14,000	NA	NA	49.13	22.62	26.51	NA	NA
MW-1	12/19/1995	80,000	NA	660	350	170	18,000	NA	NA	49.13	22.10	27.03	NA	NA
MW-1	03/07/1996	NA	NA	NA	NA	NA	NA	NA	NA	49.13	18.83	30.34	0.05	NA
MW-1	06/28/1996	270,000	NA	2,800	820	1,000	16,000	<0.5	NA	49.13	21.46	27.67	NA	NA
MW-1 (D)	06/28/1996	790,000	NA	2,200	780	1,000	13,000	15,000	NA	49.13	21.46	27.67	NA	NA
MW-1	09/26/1996	29,000	NA	1,100	260	270	1,900	<1,000	NA	49.13	23.57	25.57	0.01	NA
MW-1	09/26/1996	25,000	NA	1,200	320	240	1,900	<1,000	NA	49.13	NA	NA	NA	NA
MW-1	12/10/1996	13,000	NA	510	240	230	1,200	100	NA	49.13	21.43	27.70	NA	1.0
MW-1 (D)	12/10/1996	8,400	NA	420	130	140	680	81	NA	49.13	21.43	27.70	NA	1.0
MW-1	03/10/1997	4,200	NA	13	8.8	16	74	<12	NA	49.13	20.08	29.05	NA	2.0
MW-1 (D)	03/10/1997	5,100	NA	12	8.9	17	79	<25	NA	49.13	20.08	29.05	NA	2.0
MW-1	06/30/1997	5,700	NA	320	120	140	700	47	NA	49.13	21.68	27.45	NA	1.6
MW-1 (D)	06/30/1997	5,300	NA	300	95	120	580	45	NA	49.13	21.68	27.45	NA	1.6
MW-1	09/12/1997	6,300	NA	120	26	82	260	30	NA	49.13	21.78	27.35	NA	2.1
MW-1 b	12/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	49.13	20.78	28.35	NA	1.3
MW-1	02/02/1998	84	NA	5.1	<0.50	<0.50	2.1	2.5	NA	49.13	19.65	29.48	NA	2.0
MW-1	06/24/1998	13,000	NA	3,000	260	410	1,400	<250	NA	49.13	19.65	29.48	NA	2.5
MW-1 (D)	06/24/1998	12,000	NA	3,800	250	47	1,400	710	NA	49.13	19.65	29.48	NA	2.5
MW-1	08/26/1998	3,100	NA	1,200	27	170	50	88	NA	49.13	20.49	28.64	NA	2.1
MW-1	12/23/1998	45,000	NA	5,300	220	1,000	3,600	970	NA	49.13	21.22	27.91	NA	3.8
MW-1	03/01/1999	22,300	NA	2,540	436	753	3,370	<400	NA	49.13	19.27	29.86	NA	1.8
MW-1	06/14/1999	18,800	NA	6,820	210	436	958	1,360	NA	49.13	20.80	28.33	NA	2.2
MW-1	09/28/1999	21,500	NA	7,470	281	467	927	1,800	NA	49.13	22.55	26.58	NA	2.0



**WELL CONCENTRATIONS**  
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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft)	GW Elevation (MSL)	SPH Thickness (ft)	DO Reading (ppm)
MW-1	12/08/1999	22,300	NA	6,140	135	256	367	232	NA	49.13	23.12	26.01	NA	2.1
MW-1	03/14/2000	6,690	NA	1,880	63.5	134	307	460	NA	49.13	18.87	30.26	NA	2.3
MW-1	06/28/2000	8,080	NA	2,690	85.1	149	514	701	NA	49.13	21.12	28.01	NA	2.4
MW-1	09/06/2000	17,800	NA	7,390	212	329	1,270	<1,000	NA	49.13	21.90	27.23	NA	3.0
MW-1	12/14/2000	8,900	NA	4,870	79.2	106	370	1,840	673*	49.13	22.60	26.53	NA	2.0
MW-1	03/05/2001	7,520	NA	2,120	66.0	107	129	668	NA	49.13	20.06	29.07	NA	0.4
MW-1	06/11/2001	30,000	NA	7,400	390	600	2,300	NA	170	49.13	22.39	26.74	NA	1.6
MW-1	09/12/2001	23,000	NA	7,500	120	280	910	NA	320	49.13	23.37	25.76	NA	2.2
MW-1	12/27/2001	16,000	NA	2,400	190	330	1,500	NA	350	49.13	20.97	28.16	NA	1.3
MW-1	02/27/2002	26,000	NA	6,100	330	510	2,000	NA	210	49.10	20.47	28.63	NA	1.3
MW-1	06/18/2002	29,000	NA	8,100	280	510	1,800	NA	140	49.10	21.99	27.11	NA	2.2
MW-1	09/18/2002	34,000	NA	5,900	350	700	3,000	NA	<250	49.10	23.21	25.89	NA	0.8
MW-1	12/27/2002	7,500	NA	1,200	30	120	410	NA	230	49.10	20.10	29.00	NA	0.6
MW-1	03/05/2003	17,000	NA	1,600	88	400	1,400	NA	230	49.10	21.05	28.05	NA	1.7
MW-1	06/24/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	49.10	NA	NA	NA	NA
MW-1	06/25/2003	14,000	NA	5,300	250	440	2,100	NA	100	49.10	21.93	27.17	NA	0.9
MW-1	09/25/2003	33,000	NA	7,700	250	860	3,400	NA	130	49.10	23.21	25.89	NA	1.7
MW-2	02/13/1992	NA	NA	NA	NA	NA	NA	NA	NA	45.83	22.22	23.61	NA	NA
MW-2	02/24/1992	17,000	2,700a	6,200	1,600	550	1,900	NA	NA	45.83	19.61	26.22	NA	NA
MW-2	02/27/1992	NA	NA	NA	NA	NA	NA	NA	NA	45.83	19.92	25.91	NA	NA
MW-2	03/01/1992	86,000	1,000a	30,000	34,000	2,300	16,000	NA	NA	45.83	21.11	24.72	NA	NA
MW-2	06/03/1992	87,000	NA	28,000	18,000	2,000	10,000	NA	NA	45.83	21.58	24.25	NA	NA
MW-2	09/01/1992	110,000	NA	21,000	13,000	1,900	7,800	NA	NA	45.83	23.46	22.37	NA	NA
MW-2	10/06/1992	NA	NA	NA	NA	NA	NA	NA	NA	45.83	23.99	21.84	NA	NA
MW-2	11/11/1992	NA	NA	NA	NA	NA	NA	NA	NA	45.83	24.25	21.58	NA	NA
MW-2	12/04/1992	42,000	NA	15,000	2,400	960	2,900	NA	NA	45.83	23.89	21.94	NA	NA

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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft)	GW Elevation (MSL)	SPH Thickness (ft)	DO Reading (ppm)
MW-2	01/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	45.83	17.03	28.80	NA	NA
MW-2	02/10/1993	NA	NA	NA	NA	NA	NA	NA	NA	45.83	18.08	27.75	NA	NA
MW-2	03/03/1993	160,000	NA	36,000	3,800	32,000	21,000	NA	NA	45.83	17.28	28.55	NA	NA
MW-2 (D)	03/03/1993	150,000	NA	31,000	3,100	20,000	14,000	NA	NA	45.83	17.28	28.55	NA	NA
MW-2	05/11/1993	NA	NA	NA	NA	NA	NA	NA	NA	45.83	18.41	27.42	NA	NA
MW-2	06/17/1993	65,000	NA	34,000	15,000	3,200	11,000	NA	NA	45.83	19.06	26.77	NA	NA
MW-2 (D)	06/17/1993	62,000	NA	28,000	14,000	2,700	10,000	NA	NA	45.83	19.06	26.77	NA	NA
MW-2	09/10/1993	72,000	NA	24,000	16,000	2,300	11,000	NA	NA	45.83	20.88	24.95	NA	NA
MW-2 (D)	09/10/1993	71,000	NA	23,000	15,000	2,300	10,000	NA	NA	45.83	20.88	24.95	NA	NA
MW-2	12/13/1993	19,000	NA	5,400	4,900	680	3,100	NA	NA	45.83	20.42	25.41	NA	NA
MW-2 (D)	12/13/1993	17,000	NA	6,200	5,500	720	3,500	NA	NA	45.83	20.42	25.41	NA	NA
MW-2	03/03/1994	110,000	NA	21,000	24,000	2,000	13,000	NA	NA	45.83	18.48	27.35	NA	NA
MW-2 (D)	03/03/1994	93,000	NA	19,000	22,000	1,800	12,000	NA	NA	45.83	18.48	27.35	NA	NA
MW-2	06/06/1994	10,000	NA	1,900	3,300	2,500	13,000	NA	NA	45.83	20.26	25.57	NA	NA
MW-2 (D)	06/06/1994	99,000	NA	9,900	12,000	2,400	12,000	NA	NA	45.83	20.26	25.57	NA	NA
MW-2	09/12/1994	160,000	NA	22,000	33,000	3,400	23,000	NA	NA	45.83	21.80	24.03	NA	NA
MW-2 (D)	09/12/1994	150,000	NA	23,000	34,000	3,500	23,000	NA	NA	45.83	21.80	24.03	NA	NA
MW-2	12/19/1994	80,000	NA	17,000	16,000	2,300	14,000	NA	NA	45.83	19.66	26.17	NA	NA
MW-2 (D)	12/19/1994	100,000	NA	28,000	26,000	3,400	20,000	NA	NA	45.83	19.66	26.17	NA	NA
MW-2	02/28/1995	100,000	NA	24,000	18,000	2,300	17,000	NA	NA	45.83	17.51	28.32	NA	NA
MW-2 (D)	02/28/1995	100,000	NA	31,000	21,000	3,200	18,000	NA	NA	45.83	17.51	28.32	NA	NA
MW-2	03/24/1995	NA	NA	NA	NA	NA	NA	NA	NA	45.83	14.88	30.95	NA	NA
MW-2	06/26/1995	45,000	NA	14,000	12,000	1,500	7,500	NA	NA	45.83	17.58	28.25	NA	NA
MW-2 (D)	06/26/1995	68,000	NA	13,000	11,000	1,800	7,700	NA	NA	45.83	17.58	28.25	NA	NA
MW-2	09/13/1995	110,000	NA	19,000	19,000	2,800	15,000	NA	NA	45.83	19.28	26.55	NA	NA
MW-2 (D)	09/13/1995	120,000	NA	20,000	20,000	2,900	15,000	NA	NA	45.83	19.28	26.55	NA	NA
MW-2	12/19/1995	180,000	NA	18,000	29,000	4,100	24,000	NA	NA	45.83	18.61	27.22	NA	NA

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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-2 (D)	12/19/1995	160,000	NA	18,000	28,000	3,800	24,000	NA	NA	45.83	18.61	27.22	NA	NA
MW-2	03/06/1996	120,000	NA	28,000	15,000	3,900	17,000	NA	NA	45.83	15.41	30.42	NA	NA
MW-2	06/28/1996	96,000	NA	20,000	20,000	4,100	22,000	2,400	NA	45.83	17.84	27.99	NA	NA
MW-2	09/26/1996	87,000	NA	7,600	11,000	2,500	15,000	990	840	45.83	19.60	26.23	NA	NA
MW-2	12/10/1996	NA	NA	NA	NA	NA	NA	NA	NA	45.83	18.15	27.88	0.25	NA
MW-2	03/10/1997	NA	NA	NA	NA	NA	NA	NA	NA	45.83	17.02	28.97	0.20	NA
MW-2	06/30/1997	57,000	NA	3,600	4,600	1,300	9,700	2,300	NA	45.83	19.42	26.41	NA	2.4
MW-2	09/12/1997	88,000	NA	7,800	8,800	2,600	16,000	3,200	NA	45.83	19.40	26.43	NA	1.7
MW-2 (D)	09/12/1997	90,000	NA	8,300	9,400	2,700	17,000	3,400	NA	45.83	19.40	26.43	NA	1.7
MW-2 b	12/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	45.83	17.56	28.27	NA	1.3
MW-2	02/02/1998	<50	NA	0.6	1.9	0.93	6.0	9.3	NA	45.83	18.14	27.69	NA	2
MW-2 (D)	02/02/1998	56	NA	1.0	2.8	1.4	9.3	13	NA	45.83	18.14	27.69	NA	2
MW-2	06/24/1998	20,000	NA	<200	620	560	4,500	<1,000	NA	45.83	16.08	29.75	NA	2.4
MW-2	08/26/1998	22,000	NA	380	1,100	560	4,400	330	NA	45.83	19.25	26.58	NA	NA
MW-2 (D)	08/26/1998	11,000	NA	180	130	290	500	1,400	NA	45.83	19.25	26.58	NA	NA
MW-2	12/23/1998	100,000	NA	4,100	6,500	2,400	16,000	<500	NA	45.83	18.29	27.54	NA	3.8
MW-2	03/01/1999	50,800	NA	3,910	7,480	1,890	13,100	9,620	NA	45.83	22.81	23.02	NA	2.0
MW-2	06/14/1999	4,930	NA	128	270	139	1,040	2,200	2,540*	45.83	18.86	26.97	NA	1.6
MW-2	09/28/1999	16,200	NA	647	1,070	542	4,130	5,320	4,790	45.83	21.41	24.42	NA	1.8
MW-2	12/08/1999	25,700	NA	1,670	2,110	977	6,600	6,190	5,970	45.83	21.89	23.94	NA	1.8
MW-2	03/14/2000	45,100	NA	2,070	4,710	1,920	12,800	16,700	18,300*	45.83	15.57	30.26	NA	2.0
MW-2	06/28/2000	52,100	NA	5,150	4,200	1,880	13,300	15,500	13,500*	45.83	17.79	28.04	NA	1.9
MW-2	09/06/2000	39,500	NA	4,490	3,290	2,100	14,000	18,500	9,060*	45.83	18.65	27.18	NA	3.5
MW-2	12/14/2000	209	NA	3.51	1.11	1.00	64.4	79.4	NA	45.83	19.00	26.83	NA	1.5
MW-2	03/05/2001	38,200	NA	2,010	927	1,250	8,300	13,100	15,400	45.83	16.66	29.17	NA	1.0
MW-2	06/11/2001	50,000	NA	4,400	2,200	1,800	11,000	NA	26,000	45.83	18.93	26.90	NA	1.7
MW-2	09/12/2001	59,000	NA	6,100	2,800	2,300	14,000	NA	21,000	45.83	19.85	25.98	NA	1.6

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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft)	GW Elevation (MSL)	SPH Thickness (ft)	DO Reading (ppm)
MW-2	12/27/2001	74,000	NA	8,600	2,500	2,500	17,000	NA	25,000	45.83	17.85	27.98	NA	2.6
MW-2	02/27/2002	70,000	NA	8,100	2,600	2,100	13,000	NA	32,000	45.79	17.15	28.64	NA	2.0
MW-2	06/18/2002	72,000	NA	9,500	3,000	2,200	13,000	NA	29,000	45.79	18.49	27.30	NA	0.6
MW-2	09/18/2002	48,000	NA	7,600	850	1,300	6,300	NA	8,700	45.79	19.95	25.84	NA	1.0
MW-2	12/27/2002	40,000	NA	5,900	1,200	1,400	7,800	NA	19,000	45.79	16.71	29.08	NA	1.0
MW-2	03/05/2003	62,000	NA	13,000	1,400	2,000	7,900	NA	21,000	45.79	17.72	28.07	NA	1.4
MW-2	06/24/2003	19,000	NA	9,500	530	700	2,900	NA	14,000	45.79	18.30	27.49	NA	1.4
<b>MW-2</b>	<b>09/25/2003</b>	<b>65,000</b>	<b>NA</b>	<b>24,000</b>	<b>1,500</b>	<b>2,400</b>	<b>9,700</b>	<b>NA</b>	<b>19,000</b>	<b>45.79</b>	<b>20.05</b>	<b>25.74</b>	<b>NA</b>	<b>1.3</b>
MW-3	02/13/1992	NA	NA	NA	NA	NA	NA	NA	NA	51.97	27.97	24.00	NA	NA
MW-3	02/24/1992	4,500	1,300a	97	<5	78	18	NA	NA	51.97	25.60	26.37	NA	NA
MW-3	02/27/1992	NA	NA	NA	NA	NA	NA	NA	NA	51.97	25.88	26.09	NA	NA
MW-3	03/01/1992	2,200	440	69	<0.5	<0.5	<0.5	NA	NA	51.97	26.00	25.97	NA	NA
MW-3	06/03/1992	4,100	NA	13	72	44	65	NA	NA	51.97	27.70	24.27	NA	NA
MW-3	09/01/1992	1,900	NA	20	6.8	5.5	<5	NA	NA	51.97	29.46	22.51	NA	NA
MW-3 (D)	09/01/1992	1,900	NA	21	6.6	3.4	<5	NA	NA	51.97	29.46	22.51	NA	NA
MW-3	10/06/1992	NA	NA	NA	NA	NA	NA	NA	NA	51.97	30.01	21.96	NA	NA
MW-3	11/11/1992	NA	NA	NA	NA	NA	NA	NA	NA	51.97	30.26	21.71	NA	NA
MW-3	12/04/1992	2,400	NA	8.2	<5	<5	<5	NA	NA	51.97	29.93	22.04	NA	NA
MW-3 (D)	12/04/1992	2,100	NA	11	<0.5	5.7	<0.5	NA	NA	51.97	29.93	22.04	NA	NA
MW-3	01/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	51.97	22.76	29.21	NA	NA
MW-3	02/10/1993	NA	NA	NA	NA	NA	NA	NA	NA	51.97	21.40	30.57	NA	NA
MW-3	03/03/1993	5,100	NA	63	61	75	150	NA	NA	51.97	23.08	28.89	NA	NA
MW-3	05/11/1993	NA	NA	NA	NA	NA	NA	NA	NA	51.97	24.51	27.46	NA	NA
MW-3	06/17/1993	4,000	NA	94	140	82	150	NA	NA	51.97	25.21	26.76	NA	NA
MW-3	09/10/1993	3,200	NA	140	12.5	12.5	12.5	NA	NA	51.97	26.95	25.02	NA	NA
MW-3	12/13/1993	6,200	NA	<12.5	<12.5	<12.5	<12.5	NA	NA	51.97	26.52	25.45	NA	NA



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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-3	03/03/1994	4,500	NA	73	<5	<5	<5	NA	NA	51.97	24.50	27.47	NA	NA
MW-3	06/06/1994	3,200	NA	<0.5	<0.5	3.1	<0.5	NA	NA	51.97	26.33	25.64	NA	NA
MW-3	09/12/1994	3,900	NA	<0.5	<0.5	9.6	4.1	NA	NA	51.97	27.98	23.99	NA	NA
MW-3	12/19/1994	2,400	NA	21	22	4.2	2.6	NA	NA	51.97	25.63	26.34	NA	NA
MW-3	02/28/1995	4,000	NA	58	<0.5	7.1	3.5	NA	NA	51.97	23.45	28.52	NA	NA
MW-3	03/24/1995	NA	NA	NA	NA	NA	NA	NA	NA	51.97	21.07	30.90	NA	NA
MW-3	06/26/1995	3,900	NA	8.1	<0.5	12	2.4	NA	NA	51.97	23.64	28.33	NA	NA
MW-3	09/13/1995	4,100	NA	58	5.5	5.5	<0.5	NA	NA	51.97	25.40	26.57	NA	NA
MW-3	12/19/1995	3,600	NA	<0.5	4.3	2.1	1.1	NA	NA	51.97	24.53	27.44	NA	NA
MW-3	03/07/1996	NA	NA	NA	NA	NA	NA	NA	NA	51.97	21.59	30.41	0.04	NA
MW-3	06/28/1996	2,400	NA	55	<0.5	<0.5	11	120	NA	51.97	23.95	28.02	NA	NA
MW-3	09/26/1996	2,500	NA	<5.0	<5.0	<5.0	<5.0	160	NA	51.97	25.89	26.08	NA	NA
MW-3	12/10/1996	1,600	NA	28	4.2	<2.0	3.9	110	NA	51.97	24.22	27.75	NA	0.8
MW-3	03/10/1997	130	NA	<0.50	<0.50	<0.50	1.4	4.2	NA	51.97	23.05	28.92	NA	2.8
MW-3	06/30/1997	1,200	NA	21	2.3	<2.0	<2.0	69	NA	51.97	24.34	27.63	NA	2.3
MW-3	09/12/1997	440	NA	8.3	0.82	<0.50	1.9	3.4	NA	51.97	24.47	27.50	NA	1.9
MW-3 b	12/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	51.97	23.54	28.43	NA	0.8
MW-3	02/02/1998	400	NA	9.3	0.68	<0.50	<0.50	9	NA	51.97	21.92	30.05	NA	1.5
MW-3	06/24/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	51.97	22.35	29.62	NA	1.9
MW-3	08/26/1998	140	NA	7.4	<0.50	<0.50	2.5	13	NA	51.97	23.45	28.52	NA	1.3
MW-3	12/23/1998	1,200	NA	50	<2.0	<2.0	<2.0	69	NA	51.97	24.01	27.96	NA	4.2
MW-3	03/01/1999	2,550	NA	<0.500	<0.500	<0.500	0.658	32.4	NA	51.97	22.08	29.89	NA	2.0
MW-3	06/14/1999	514	NA	18.1	0.728	<0.500	<0.500	15.9	NA	51.97	23.15	28.82	NA	1.7
MW-3	09/28/1999	1,180	NA	<1.00	<1.00	<1.00	<1.00	<10.0	NA	51.97	25.36	26.61	NA	1.2
MW-3	12/08/1999	1,740	NA	71.5	23.0	24.2	61.3	103	NA	51.97	25.75	26.22	NA	2.0
MW-3	03/14/2000	1,410	NA	5.63	35.6	<5.00	8.41	38.7	NA	51.97	21.64	30.33	NA	2.1
MW-3	06/28/2000	2,460	NA	<5.00	9.48	<5.00	28.4	64.0	NA	51.97	23.84	28.13	NA	2.87

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**1784 150th Avenue**  
**San Leandro, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-3	09/06/2000	887	NA	<1.00	<1.00	<1.00	<1.00	<10.0	NA	51.97	24.73	27.24	NA	2.0
MW-3	12/14/2000	955	NA	25.4	1.96	<0.500	1.13	10.2	NA	51.97	25.45	26.52	NA	2.1
MW-3	03/05/2001	2,100	NA	4.90	56.5	<2.00	3.62	261	NA	51.97	22.83	29.14	NA	0.8
MW-3	06/11/2001	2,000	NA	1.0	<0.50	<0.50	<0.50	NA	<0.50	51.97	25.20	26.77	NA	0.7
MW-3	09/12/2001	1,500	NA	0.50	0.54	<0.50	1.8	NA	<5.0	51.97	26.15	25.82	NA	1.5
MW-3	12/27/2001	2,100	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	51.97	23.67	28.30	NA	1.9
MW-3	02/27/2002	2,300	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	51.92	23.23	28.69	NA	1.5
MW-3	06/18/2002	2,000	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	51.92	24.74	27.18	NA	2.0
MW-3	09/18/2002	2,600	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	51.92	26.05	25.87	NA	1.4
MW-3	12/27/2002	Well inaccessible		NA	NA	NA	NA	NA	NA	51.92	NA	NA	NA	NA
MW-3	03/05/2003	2,300	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	51.92	23.84	28.08	NA	1.3
MW-3	06/25/2003	1,800 c	NA	0.71	<0.50	<0.50	<1.0	NA	0.54	51.92	24.48	27.44	NA	1.3
MW-3	06/24/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	51.92	NA	NA	NA	NA
MW-3	06/25/2003	1,800 c	NA	0.71	<0.50	<0.50	<1.0	NA	0.54	51.92	24.48	27.44	NA	1.2
<b>MW-3</b>	<b>09/25/2003</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>51.92</b>	<b>25.99</b>	<b>25.93</b>	<b>NA</b>	<b>NA</b>
MW-4	03/24/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	40.51	9.16	31.35	NA	NA
MW-4	06/26/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	40.51	12.06	28.45	NA	NA
MW-4	09/13/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	40.51	13.90	26.61	NA	NA
MW-4	12/19/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	40.51	12.90	27.61	NA	NA
MW-4	03/06/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	40.51	9.63	30.88	NA	NA
MW-4	06/28/1996	40	NA	<0.5	0.59	0.97	3.8	26	NA	40.51	12.30	28.21	NA	NA
MW-4	09/26/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	40.51	14.12	26.39	NA	NA
MW-4	12/10/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	40.51	12.31	28.20	NA	1.2
MW-4	03/10/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	40.51	11.34	29.17	NA	NA
MW-4	06/30/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	40.51	13.80	26.71	NA	1.9
MW-4	09/12/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	40.51	13.99	26.52	NA	1.7

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**1784 150th Avenue**  
**San Leandro, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft)	DO Reading (ppm)
MW-4 b	12/18/1997	NA	NA	NA	NA	NA	NA	NA	NA	40.51	12.02	28.49	NA	1.8
MW-4	02/02/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	40.51	11.23	29.28	NA	1
MW-4	06/24/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	40.51	10.58	29.93	NA	1.9
MW-4	08/26/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	40.51	11.75	28.76	NA	1.2
MW-4	12/23/1998	<50	NA	0.60	<0.50	<0.50	<0.50	<2.5	NA	40.51	12.41	28.10	NA	4.2
MW-4	03/01/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.00	NA	40.51	10.38	30.13	NA	2.1
MW-4	06/14/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	40.51	11.91	28.60	NA	2.4
MW-4	09/28/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	40.51	10.19	30.32	NA	2.2
MW-4	12/08/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	40.51	10.67	29.84	NA	1.8
MW-4	03/14/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	40.51	9.95	30.56	NA	2.5
MW-4	06/28/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	40.51	12.22	28.29	NA	0.9
MW-4	09/06/2000	NA	NA	NA	NA	NA	NA	NA	NA	40.51	13.17	27.34	NA	3.0
MW-4	12/14/2000	NA	NA	NA	NA	NA	NA	NA	NA	40.51	8.65	31.86	NA	NA
MW-4	03/05/2001	NA	NA	NA	NA	NA	NA	NA	NA	40.51	11.07	29.44	NA	NA
MW-4	06/11/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	40.51	13.62	26.89	NA	1.3
MW-4	09/12/2001	NA	NA	NA	NA	NA	NA	NA	NA	40.51	14.61	25.90	NA	NA
MW-4	12/27/2001	NA	NA	NA	NA	NA	NA	NA	NA	40.51	12.19	28.32	NA	NA
MW-4	02/27/2002	NA	NA	NA	NA	NA	NA	NA	NA	40.45	11.64	28.81	NA	NA
MW-4	06/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	40.45	13.22	27.23	NA	0.6
MW-4	09/18/2002	NA	NA	NA	NA	NA	NA	NA	NA	40.45	14.46	25.99	NA	NA
MW-4	12/27/2002	NA	NA	NA	NA	NA	NA	NA	NA	40.45	11.23	29.22	NA	NA
MW-4	03/05/2003	NA	NA	NA	NA	NA	NA	NA	NA	40.45	12.22	28.23	NA	NA
MW-4	06/24/2003	57 c	NA	<0.50	<0.50	<0.50	<1.0	NA	12	40.45	12.79	27.66	NA	1.6
<b>MW-4</b>	<b>09/25/2003</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>40.45</b>	<b>14.45</b>	<b>26.00</b>	<b>NA</b>	<b>NA</b>
MW-5	01/29/2002	NA	NA	NA	NA	NA	NA	NA	NA	41.46	12.82	28.64	NA	NA
MW-5	02/27/2002	190	NA	<0.50	<0.50	0.85	1.5	NA	<5.0	41.46	12.85	28.61	NA	1.9

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**1784 150th Avenue**  
**San Leandro, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-5	06/18/2002	650	NA	1.4	3.0	52	28	NA	<0.50	41.46	13.65	27.81	NA	0.8
MW-5	09/18/2002	390	NA	0.72	0.51	<0.50	<0.50	NA	<5.0	41.46	15.57	25.89	NA	1.1
MW-5	12/27/2002	380	NA	<0.50	<0.50	0.56	<0.50	NA	<0.50	41.46	12.51	28.95	NA	1.9
MW-5	03/05/2003	290	NA	<0.50	1.7	9.4	22	NA	<5.0	41.46	13.39	28.07	NA	2.6
MW-5	06/24/2003	220	NA	<0.50	1.0	19	1.3	NA	<0.50	41.46	13.91	27.55	NA	1.7
MW-5	09/25/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	41.46	15.58	25.88	NA	2.1
MW-6	01/29/2002	NA	NA	NA	NA	NA	NA	NA	NA	41.50	3.88	37.62	NA	NA
MW-6	01/31/2002	NA	NA	NA	NA	NA	NA	NA	NA	41.50	12.43	29.07	NA	NA
MW-6	02/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	41.50	12.82	28.68	NA	4.1
MW-6	06/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	41.50	4.26	37.24	NA	3.9
MW-6	09/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	41.50	5.26	36.24	NA	4.2
MW-6	12/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	41.50	12.11	29.39	NA	3.0
MW-6	03/05/2003	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	41.50	13.47	28.03	NA	4.9
MW-6	06/24/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	41.50	13.71	27.79	NA	5.8
MW-6	09/25/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	41.50	NA	NA	NA	NA
MW-7	10/21/2002	NA	NA	NA	NA	NA	NA	NA	NA	44.45	18.90	25.55	NA	NA
MW-7	12/27/2002	49,000	NA	830	980	2,000	5,200	NA	<10	44.45	15.43	29.02	NA	2.1
MW-7	03/05/2003	32,000	NA	370	490	1,600	2,900	NA	<100	44.45	16.34	28.11	NA	2.6
MW-7	06/24/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	44.45	NA	NA	NA	NA
MW-7	09/25/2003	8,700	NA	57	34	450	290	NA	<5.0	44.45	18.36	26.09	NA	1.2
MW-8	10/21/2002	NA	NA	NA	NA	NA	NA	NA	NA	43.27	17.70	25.57	NA	NA
MW-8	12/27/2002	30,000	NA	280	220	2,000	5,300	NA	<10	43.27	14.25	29.02	NA	1.2
MW-8	03/05/2003	30,000	NA	220	150	2,100	4,200	NA	<100	43.27	15.36	27.91	NA	1.3
MW-8	06/24/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	43.27	NA	NA	NA	NA



**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**1784 150th Avenue**  
**San Leandro, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft)	GW Elevation (MSL)	SPH Thickness (ft)	DO Reading (ppm)
MW-8	09/25/2003	26,000	NA	240	53	1,600	2,600	NA	<50	43.27	17.43	25.84	NA	1.0

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to June 11, 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 June 11, 2001, analyzed by EPA Method 8020.

MTBE = Methyl-tertiary-butyl ether

TOC = Top of Casing Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

DO = Dissolved Oxygen

ug/L = Parts per billion

ppm = Parts per million

MSL = Mean sea level

ft = Feet

<n = Below detection limit

D = Duplicate sample

NA = Not applicable

Notes:

a = Chromatogram pattern indicates an unidentified hydrocarbon.

b = Samples not analyzed due to laboratory oversight

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

\* = Sample analyzed out of EPA recommended hold time.

Site surveyed January 23, 2002, by Virgil Chavez Land Surveying of Vallejo, California.

Survey data for wells MW-7 and MW-8 provided by Cambria Environmental Technology.

**Blaine Tech Services, Inc.**

October 09, 2003

1680 Rogers Avenue  
San Jose, CA 95112-1105

Attn.: Leon Gearhart

Project#: 030925-AC-2

Project: 98996068

Site: 1784 150th Ave., San Leandro

Dear Mr. Gearhart,

Attached is our report for your samples received on 09/26/2003 14:10

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 11/10/2003 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

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

Sincerely,



Vincent Vancil  
Project Manager

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](http://www.stl-inc.com) \* CA DHS ELAP# 2496

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 030925-AC-2

98996068

Received: 09/26/2003 14:10

Site: 1784 150th Ave., San Leandro

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-5	09/25/2003 12:45	Water	3
MW-7	09/25/2003 14:10	Water	4
MW-8	09/25/2003 14:30	Water	5

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 030925-AC-2

98996068

Received: 09/26/2003 14:10

Site: 1784 150th Ave., San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-5	Lab ID:	2003-09-1008 - 3
Sampled:	09/25/2003 12:45	Extracted:	10/6/2003 10:20
Matrix:	Water	QC Batch#:	2003/10/06-1A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	10/06/2003 10:20	
Benzene	ND	0.50	ug/L	1.00	10/06/2003 10:20	
Toluene	ND	0.50	ug/L	1.00	10/06/2003 10:20	
Ethylbenzene	ND	0.50	ug/L	1.00	10/06/2003 10:20	
Total xylenes	ND	1.0	ug/L	1.00	10/06/2003 10:20	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/06/2003 10:20	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	83.3	76-130	%	1.00	10/06/2003 10:20	
Toluene-d8	97.7	78-115	%	1.00	10/06/2003 10:20	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 030925-AC-2

98996068

Received: 09/26/2003 14:10

Site: 1784 150th Ave., San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-7	Lab ID:	2003-09-1008 - 4
Sampled:	09/25/2003 14:10	Extracted:	10/3/2003 23:49
Matrix:	Water	QC Batch#:	2003/10/03-1B.62
Analysis Flag: 0 ( See Legend and Note Section )			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	8700	500	ug/L	10.00	10/03/2003 23:49	
Benzene	57	5.0	ug/L	10.00	10/03/2003 23:49	
Toluene	34	5.0	ug/L	10.00	10/03/2003 23:49	
Ethylbenzene	450	5.0	ug/L	10.00	10/03/2003 23:49	
Total xylenes	290	10	ug/L	10.00	10/03/2003 23:49	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	10.00	10/03/2003 23:49	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	114.4	76-130	%	10.00	10/03/2003 23:49	
Toluene-d8	101.6	78-115	%	10.00	10/03/2003 23:49	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 030925-AC-2

98996068

Received: 09/26/2003 14:10

Site: 1784 150th Ave., San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-8	Lab ID:	2003-09-1008 - 5
Sampled:	09/25/2003 14:30	Extracted:	10/4/2003 00:12
Matrix:	Water	QC Batch#:	2003/10/03-1B.62
Analysis Flag: o ( See Legend and Note Section )			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	26000	5000	ug/L	100.00	10/04/2003 00:12	
Benzene	240	50	ug/L	100.00	10/04/2003 00:12	
Toluene	53	50	ug/L	100.00	10/04/2003 00:12	
Ethylbenzene	1600	50	ug/L	100.00	10/04/2003 00:12	
Total xylenes	2600	100	ug/L	100.00	10/04/2003 00:12	
Methyl tert-butyl ether (MTBE)	ND	50	ug/L	100.00	10/04/2003 00:12	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	103.2	76-130	%	100.00	10/04/2003 00:12	
Toluene-d8	101.1	78-115	%	100.00	10/04/2003 00:12	



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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 030925-AC-2  
98996068

Received: 09/26/2003 14:10

Site: 1784 150th Ave., San Leandro

Batch QC Report			
Prep(s): 5030B			Test(s): 8260FAB
Method Blank		Water	QC Batch # 2003/10/03-1B.62
MB: 2003/10/03-1B.62-020			Date Extracted: 10/03/2003 22:20

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	10/03/2003 22:20	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/03/2003 22:20	
Benzene	ND	0.5	ug/L	10/03/2003 22:20	
Toluene	ND	0.5	ug/L	10/03/2003 22:20	
Ethylbenzene	ND	0.5	ug/L	10/03/2003 22:20	
Total xylenes	ND	1.0	ug/L	10/03/2003 22:20	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	100.7	76-130	%	10/03/2003 22:20	
Toluene-d8	104.0	78-115	%	10/03/2003 22:20	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 030925-AC-2  
98996068

Received: 09/26/2003 14:10

Site: 1784 150th Ave., San Leandro

Batch QC Report		
Prep(s): 5030B		Test(s): 8260FAB
Method Blank	Water	QC Batch # 2003/10/06-1A.65
MB: 2003/10/06-1A.65-023		Date Extracted: 10/06/2003 09:23

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	10/06/2003 09:23	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/06/2003 09:23	
Benzene	ND	0.5	ug/L	10/06/2003 09:23	
Toluene	ND	0.5	ug/L	10/06/2003 09:23	
Ethylbenzene	ND	0.5	ug/L	10/06/2003 09:23	
Total xylenes	ND	1.0	ug/L	10/06/2003 09:23	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	89.9	76-130	%	10/06/2003 09:23	
Toluene-d8	105.0	78-115	%	10/06/2003 09:23	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 030925-AC-2

98996068

Received: 09/26/2003 14:10

Site: 1784 150th Ave., San Leandro

Batch QC Report			
Prep(s): 5030B	Test(s): 8260FAB		
Laboratory Control Spike	Water	QC Batch # 2003/10/03-1B.62	
LCS 2003/10/03-1B.62-035	Extracted: 10/03/2003	Analyzed: 10/03/2003 21:35	
LCSD 2003/10/03-1B.62-057	Extracted: 10/03/2003	Analyzed: 10/03/2003 21:57	

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	32.6	34.8	25	130.4	139.2	6.5	65-165	20		
Benzene	30.8	29.0	25	123.2	116.0	6.0	69-129	20		
Toluene	29.5	26.7	25	118.0	106.8	10.0	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	501	558	500	100.2	111.6		76-130			
Toluene-d8	527	507	500	105.4	101.4		78-115			

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 030925-AC-2  
98996068

Received: 09/26/2003 14:10

Site: 1784 150th Ave., San Leandro

Batch QC Report			
Prep(s): 5030B		Test(s): 8260FAB	
Laboratory Control Spike		Water	
QC Batch # 2003/10/06-1A.65			
LCS	2003/10/06-1A.65-038	Extracted: 10/06/2003	Analyzed: 10/06/2003 08:38
LCSD	2003/10/06-1A.65-001	Extracted: 10/06/2003	Analyzed: 10/06/2003 09:01

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	16.8	18.5	25	67.2	74.0	9.6	65-165	20		
Benzene	22.1	23.9	25	88.4	95.6	7.8	69-129	20		
Toluene	22.0	24.8	25	88.0	99.2	12.0	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	414	438	500	82.8	87.6		76-130			
Toluene-d8	504	522	500	100.8	104.4		78-115			

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 030925-AC-2  
98996068

Received: 09/26/2003 14:10

Site: 1784 150th Ave., San Leandro

Legend and Notes

Analysis Flag

o

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

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: 030925-AC-2  
98996068

Received: 09/26/2003 14:10

Site: 1784 150th Ave., San Leandro

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	09/25/2003 13:10	Water	1
MW-2	09/25/2003 13:35	Water	2

**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: 030925-AC-2

98996068

Received: 09/26/2003 14:10

Site: 1784 150th Ave., San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-1	Lab ID:	2003-09-1008 - 1
Sampled:	09/25/2003 13:10	Extracted:	10/6/2003 09:57
Matrix:	Water	QC Batch#:	2003/10/06-1A.65
Analysis Flag: o ( See Legend and Note Section )			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	33000	5000	ug/L	100.00	10/06/2003 09:57	
Benzene	7700	50	ug/L	100.00	10/06/2003 09:57	
Toluene	250	50	ug/L	100.00	10/06/2003 09:57	
Ethylbenzene	860	50	ug/L	100.00	10/06/2003 09:57	
Total xylenes	3400	100	ug/L	100.00	10/06/2003 09:57	
tert-Butyl alcohol (TBA)	ND	500	ug/L	100.00	10/06/2003 09:57	
Methyl tert-butyl ether (MTBE)	130	50	ug/L	100.00	10/06/2003 09:57	
tert-Amyl methyl ether (TAME)	ND	200	ug/L	100.00	10/06/2003 09:57	
1,2-DCA	ND	50	ug/L	100.00	10/06/2003 09:57	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	89.4	76-130	%	100.00	10/06/2003 09:57	
Toluene-d8	102.3	78-115	%	100.00	10/06/2003 09:57	

**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: 030925-AC-2

98996068

Received: 09/26/2003 14:10

Site: 1784 150th Ave., San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-2	Lab ID:	2003-09-1008 - 2
Sampled:	09/25/2003 13:35	Extracted:	10/3/2003 23:04
Matrix:	Water	QC Batch#:	2003/10/03-1B:62
Analysis Flag: o ( See Legend and Note Section )			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	65000	25000	ug/L	500.00	10/03/2003 23:04	
Benzene	24000	250	ug/L	500.00	10/03/2003 23:04	
Toluene	1500	250	ug/L	500.00	10/03/2003 23:04	
Ethylbenzene	2400	250	ug/L	500.00	10/03/2003 23:04	
Total xylenes	9700	500	ug/L	500.00	10/03/2003 23:04	
tert-Butyl alcohol (TBA)	6400	2500	ug/L	500.00	10/03/2003 23:04	
Methyl tert-butyl ether (MTBE)	19000	250	ug/L	500.00	10/03/2003 23:04	
tert-Amyl methyl ether (TAME)	ND	1000	ug/L	500.00	10/03/2003 23:04	
1,2-DCA	ND	250	ug/L	500.00	10/03/2003 23:04	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	101.7	76-130	%	500.00	10/03/2003 23:04	
Toluene-d8	101.6	78-115	%	500.00	10/03/2003 23:04	



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

Blaine Tech Services, Inc.

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

Project: 030925-AC-2  
98996068

Received: 09/26/2003 14:10

Site: 1784 150th Ave., San Leandro

Batch QC Report					
Prep(s): 5030B				Test(s): 8260FAB	
Method Blank		Water		QC Batch # 2003/10/03-1B.62	
MB: 2003/10/03-1B.62-020				Date Extracted: 10/03/2003 22:20	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	10/03/2003 22:20	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/03/2003 22:20	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/03/2003 22:20	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	10/03/2003 22:20	
1,2-DCA	ND	0.5	ug/L	10/03/2003 22:20	
Benzene	ND	0.5	ug/L	10/03/2003 22:20	
Toluene	ND	0.5	ug/L	10/03/2003 22:20	
Ethylbenzene	ND	0.5	ug/L	10/03/2003 22:20	
Total xylenes	ND	1.0	ug/L	10/03/2003 22:20	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	100.7	76-130	%	10/03/2003 22:20	
Toluene-d8	104.0	78-115	%	10/03/2003 22:20	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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San Jose, CA 95112-1105

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

Project: 030925-AC-2  
98996068

Received: 09/26/2003 14:10

Site: 1784 150th Ave., San Leandro

Batch QC Report			
Prep(s): 5030B			Test(s): 8260FAB
Method Blank		Water	QC Batch # 2003/10/06-1A.65
MB: 2003/10/06-1A.65-023			Date Extracted: 10/06/2003 09:23

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	10/06/2003 09:23	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/06/2003 09:23	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/06/2003 09:23	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	10/06/2003 09:23	
1,2-DCA	ND	0.5	ug/L	10/06/2003 09:23	
Benzene	ND	0.5	ug/L	10/06/2003 09:23	
Toluene	ND	0.5	ug/L	10/06/2003 09:23	
Ethylbenzene	ND	0.5	ug/L	10/06/2003 09:23	
Total xylenes	ND	1.0	ug/L	10/06/2003 09:23	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	89.9	76-130	%	10/06/2003 09:23	
Toluene-d8	105.0	78-115	%	10/06/2003 09:23	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 030925-AC-2  
98996068

Received: 09/26/2003 14:10

Site: 1784 150th Ave., San Leandro

Batch QC Report									
Prep(s): 5030B					Test(s): 8260FAB				
Laboratory Control Spike					Water			QC Batch # 2003/10/03-1B.62	
LCS: 2003/10/03-1B.62-035		Extracted: 10/03/2003			Analyzed: 10/03/2003 21:35				
LCSD: 2003/10/03-1B.62-057		Extracted: 10/03/2003			Analyzed: 10/03/2003 21:57				

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	32.6	34.8	25	130.4	139.2	6.5	65-165	20		
Benzene	30.8	29.0	25	123.2	116.0	6.0	69-129	20		
Toluene	29.5	26.7	25	118.0	106.8	10.0	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	501	558	500	100.2	111.6		76-130			
Toluene-d8	527	507	500	105.4	101.4		78-115			

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

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Project: 030925-AC-2  
98996068

Received: 09/26/2003 14:10

Site: 1784 150th Ave., San Leandro

Batch QC Report			
Prep(s): 5030B			Test(s): 8260FAB
Laboratory Control Spike	Water		QC Batch # 2003/10/06-1A.65
LCS 2003/10/06-1A.65-038	Extracted: 10/06/2003		Analyzed: 10/06/2003 08:38
LCSD 2003/10/06-1A.65-001	Extracted: 10/06/2003		Analyzed: 10/06/2003 09:01

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	16.8	18.5	25	67.2	74.0	9.6	65-165	20		
Benzene	22.1	23.9	25	88.4	95.6	7.8	69-129	20		
Toluene	22.0	24.8	25	88.0	99.2	12.0	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	414	438	500	82.8	87.6		76-130			
Toluene-d8	504	522	500	100.8	104.4		78-115			

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

Blaine Tech Services, Inc.

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Project: 030925-AC-2  
98996068

Received: 09/26/2003 14:10

Site: 1784 150th Ave., San Leandro

**Legend and Notes**

**Analysis Flag**

o

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

# SHELL Chain Of Custody Record

79215

Last Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be Invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT HOUSTON

Karen Petryna

2003-09-1008

INCIDENT NUMBER (S&E ONLY):

9 8 9 9 6 0 6 8

SAP or CRMT NUMBER (TS/CRMT):

DATE: 9/25/03

PAGE: 1 of 1

SAMPLE COMPANY: <b>Blaine Tech Services</b>	LINE NO.: <b>BTSS</b>	SITE ADDRESS (Street and City): <b>1784 150th Ave., San Leandro</b>	GLD# or ID NO.: <b>T0600101230</b>
ADDRESS: <b>1650 Rogers Avenue, San Jose, CA 95112</b>	REF DELIVERABLE TO (Responsible Party or Design): <b>Annal Kraml</b>	PHONE NO.: <b>(510) 420-3335</b>	E-MAIL: <b>ShellOaklandEDF@cambria-env.com</b>
PROJECT CONTRACT ID (Supply or P&W Project ID): <b>Leon Gearhart</b>	SAMPLER NAME(S) (Print): <b>Aaron Costa</b>	CONTRACT PROJECT NO.: <b>BTS# 030925-A-2</b>	LAB USE ONLY
TELEPHONE: <b>408-573-0555</b>	FAX: <b>408-573-7771</b>	E-MAIL: <b>lgearhart@blainetech.com</b>	

TURNAROUND TIME (BUSINESS DAYS):  
 10 DAYS  5 DAYS  72 HOURS  48 HOURS  24 HOURS  LESS THAN 24 HOURS

LA - RWQCB REPORT FORMAT  LIST AGENCY:

GC/MS MTBE CONFIRMATION: HIGHEST \_\_\_\_\_ HIGHEST per BORING \_\_\_\_\_ ALL \_\_\_\_\_

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

**REQUESTED ANALYSIS**

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRX	NO. OF CONT.	TPH - Gas, Purgeable	STEX	MTBE (821B - 5ppb RL)	MTBE (8266B - 0.5ppb RL)	Oxygenates (5) by (8268B)	Ethanol (8260B)	Methanol	EOB & 1,2-DCA (8269B)	TPH - Diesel, Extractable (8015m)	TAME (8260)	TBA (8260)	1,2-DCA (8260)	LAB USE ONLY	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
		DATE	TIME																
	MW-1	9/25	1310	W	3	X	X	X							X	X	X		7.1°C
	MW-2		1335		3	X	X	X							X	X	X		
	MW-5		1245		3	X	X	X											
	MW-7		1410		3	X	X	X											
	MW-8	↓	1430	↓	3	X	X	X											

Released by (Signature): 	Received by (Signature): 	Date: 9/26/03	Time: 1410
Released by (Signature): 	Received by (Signature): Nouna E	Date: 9-26-03	Time: 1740

## WELL GAUGING DATA

Project # 030925-Ac2 Date 9/25/03 Client 98996068

Site 1784 150<sup>th</sup> AVE San Leandro

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or <u>TOC</u>	
MW-1	4					23.21	44.72	TOC	
MW-2	4					20.05	44.68		
MW-3	4					25.99	41.75		90
MW-4	2					14.45	24.98		90/T
MW-5	2					15.58	24.82		
MW-6	2	unable to access	(no one to open gate)				19.47		
MW-7	2					18.36	26.85		
MW-8	2					17.43	24.10		

## SHELL WELL MONITORING DATA SHEET

BTS #: <u>030925-ACZ</u>	Site: <u>98996068</u>
Sampler: <u>Ac</u>	Date: <u>9/25/03</u>
Well I.D.: <u>MW-1</u>	Well Diameter: 2 3 <u>(4)</u> 6 8 _____
Total Well Depth (TD): <u>44.72</u>	Depth to Water (DTW): <u>23.21</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): <u>(YSI)</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>27.51</u>	

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

$\underline{14} \text{ (Gals.)} \times \underline{3} = \underline{42} \text{ Gals.}$ <p>I Case Volume      Specified Volumes      Calculated Volume</p>	<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 <u>(µS)</u> )	Turbidity (NTUs)	Gals. Removed	Observations
1259	67.3	6.5	1691	26	14	clear, odor
1302	67.7	6.5	1718	16	28	" "
1305	67.8	6.6	1739	10	42	" "

Did well dewater? Yes  No  Gallons actually evacuated: 42

Sampling Date: 9/25/03 Sampling Time: 1310 Depth to Water: 25.66

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

Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D Other: TAME + TBA + 1,2-DCA

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	<u>(Post-purge)</u>	<u>2.1</u> 1.7 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV





## SHELL WELL MONITORING DATA SHEET

BTS #: <u>030925-AC2</u>	Site: <u>98996068</u>
Sampler: <u>Ac</u>	Date: <u>9/25/03</u>
Well I.D.: <u>MW-5</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth (TD): <u>24.82</u>	Depth to Water (DTW): <u>15.58</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): <u>(YSI)</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>17.42</u>	

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

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

1.5 (Gals.) X 3 = 4.5 Gals.  
 1 Case Volume      Specified Volumes      Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or <u>(RS)</u> )	Turbidity (NTUs)	Gals. Removed	Observations
1235	66.2	6.9	1953	71000	1.5	brown, cloudy
1238	66.3	6.9	1959	71000	3	" "
1241	66.3	7.0	1968	71000	4.5	" "

Did well dewater?    Yes (No)      Gallons actually evacuated: 4.5

Sampling Date: 9/25/03    Sampling Time: 1245      Depth to Water: 16.39

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

Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D    Other: THME<sup>Ac</sup> + TBA + 1,2-DCA

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



## SHELL WELL MONITORING DATA SHEET

BTS #: <u>030925-AC2</u>	Site: <u>98996068</u>
Sampler: <u>Ac</u>	Date: <u>9/25/03</u>
Well I.D.: <u>MW-7</u>	Well Diameter: <u>(2)</u> 3 4 6 8
Total Well Depth (TD): <u>26.85</u>	Depth to Water (DTW): <u>18.36</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): <u>(YSI)</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>20.06</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: \_\_\_\_\_

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

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

Time	Temp (°F)	pH	Cond. (mS or <u>(µS)</u> )	Turbidity (NTUs)	Gals. Removed	Observations
1359	69.3	6.5	2998	71000	1.5	gray, odor
1403	69.4	6.5	3086	71000	3	" "
1406	69.4	6.5	3125	71000	4.5	" "

Did well dewater? Yes (No)      Gallons actually evacuated: 4.5

Sampling Date: 9/25/03      Sampling Time: 1410      Depth to Water: 19.54

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

Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D      Other: TAPE + TBA + 1,2-DCA

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

## SHELL WELL MONITORING DATA SHEET

BTS #: <u>030925-ACZ</u>	Site: <u>98996068</u>
Sampler: <u>Ac</u>	Date: <u>9/25/03</u>
Well I.D.: <u>MW-8</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth (TD): <u>24.10</u>	Depth to Water (DTW): <u>17.43</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): <u>(YSI)</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>18.76</u>	

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

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

Time	Temp (°F)	pH	Cond. (mS or <u>(µS)</u> )	Turbidity (NTUs)	Gals. Removed	Observations
<u>1421</u>	<u>70.0</u>	<u>6.7</u>	<u>1696</u>	<u>&gt;1000</u>	<u>1</u>	<u>gray, odor</u>
<u>1423</u>	<u>70.2</u>	<u>6.7</u>	<u>1688</u>	<u>&gt;1000</u>	<u>2</u>	<u>" "</u>
<u>1425</u>	<u>70.3</u>	<u>6.6</u>	<u>1637</u>	<u>&gt;1000</u>	<u>3</u>	<u>" "</u>

Did well dewater? Yes  No  Gallons actually evacuated: 3

Sampling Date: 9/25/03 Sampling Time: 1430 Depth to Water: 18.04

Sample I.D.: MW-8 Laboratory: (STL) Other \_\_\_\_\_

Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D Other: THME + TBA + 1,2-DCM

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