

Alameda County  
OCT 19 2004  
Environmental Health

October 15, 2004

Mr. Bob Schultz  
Alameda County Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

Re: **Groundwater Monitoring Report – Third Quarter 2004**  
Shell-branded Service Station  
3790 Hopyard Road  
Pleasanton, California  
SAP Code 135784  
Incident #98995842  
Fuel Leak Case # RO0000363



Dear Mr. Schultz:

Cambria Environmental Technology, Inc. prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell). This report was prepared in accordance with the quarterly reporting requirements of 23 CCR 2652d.

### THIRD QUARTER 2004 ACTIVITIES

**Groundwater Monitoring:** Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged and sampled the site wells and prepared a summary table of field gauging and laboratory analytical data. Cambria prepared a site vicinity map (Figure 1), a groundwater contour map (Figure 2), and isoconcentration contour maps for total petroleum hydrocarbon as gasoline (TPHg) (Figure 3), benzene (Figure 4), methyl tert butyl ether (MTBE) (Figure 5), and tertiary butyl alcohol (TBA) (Figure 6). Blaine's report, presenting the laboratory report, is included as Appendix A.

**SPH Observed and Purged:** During the third quarter monitoring event on July 27, Blaine noted the presence of separate phase hydrocarbons (SPH) in well S-5 (0.04 feet). Shell directed Blaine to bail the SPH, remove 5 well casing volumes and then collect a sample for analyses. The nearby extraction well (SR-1) was also checked for SPH. Blaine removed approximately 125 milliliters (ml) of SPH from S-5 and then purged 27 gallons prior to collecting a sample. The samples from S-5 and SR-1 were analyzed on a rush turn around. Blaine's notes, the laboratory reports and the tabulated data are included in Blaine's report in Appendix A. Blaine returned to the site on August 4 and measured 0.09 ft of SPH in S-5. They bailed approximately 56 ml of SPH and 27 gallons of water from the well, and an additional groundwater sample was collected


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# C A M B R I A

from S-5 and SR-1. These results are included in Appendix A.

During routine site visits, Cambria subsequently measured SPH in S-5 on July 30 (0.09 ft), August 6 (0.04 ft), August 20 (0.07 ft), and September 3 (0.01 ft). No measurable SPH was present during site visits on September 17 (system was not operating on this date) nor on October 1. The depth to product/groundwater measurements during observed SPH in well S-5 varied between 20.91 and 21.02 feet below top of casing elevation.



**Groundwater Remediation:** The groundwater extraction (GWE) system has been operating fairly continuously since July 1, 2003. The significant drawdown and radius of influence typically maintained at the site is depicted in Figure 2. GWE system influent concentrations have decreased by an order of magnitude since the system began discharging in July 2003. The influent MTBE concentration has been consistently below the detection limit of 100 parts per billion since June 4, 2004. Cambria continues to extract water from well SR-1 to capture TPHg and benzene observed in S-5 and from SR-2 to capture TBA.

Discharge limitations were not exceeded during the reporting period. Analytical results for the influent, midfluent 1, midfluent 2 and effluent streams are summarized in Table 1 and laboratory reports for GWE system samples are included in Appendix B. System flow data and constituent mass removal calculations are presented in Table 2.

## ANTICIPATED FOURTH QUARTER 2004 ACTIVITIES

**Groundwater Monitoring:** Blaine will gauge and sample the site wells and tabulate the data. Cambria will prepare a monitoring report. As requested in the Alameda County Environmental Health (ACEH) letter dated May 5, 2004, the sample event will include analysis of the five fuel oxygenates and ethanol. Isoconcentration contour maps will be prepared for TPHg, benzene and all detected fuel oxygenates, as requested.

**Groundwater Remediation:** Cambria will continue to operate the GWE system.

## HISTORICAL REMEDIATION SUMMARY

**Mobile Groundwater Extraction:** Beginning the week of May 14, 2001, Advanced Cleanup Technologies Inc. of Benicia, California conducted three weekly 8-hour mobile GWE events using wells S-2, S-4, and T-2. Three additional GWE events were performed in August 2001. At Shell's direction, Onyx Industrial Services initiated twice-monthly events extracting from tank

backfill well T-2 beginning in April 2002. Groundwater was also extracted from well S-4 between June 2002 and September 2002. Extraction from well S-4 was discontinued due to low extraction volumes. Tank backfill well T-4 was added to the twice-monthly extraction events in October 2002. Mobile GWE was discontinued in March 2003 pending fixed GWE system installation and start-up. Approximately 9.32 pounds of methyl tertiary butyl ether (MTBE) were removed by mobile GWE at the site. Continuous operation of the GWE system began on July 1, 2003.

## **SITE INVESTIGATION ACTIVITIES**



In a letter dated August 13, 2004, the ACEH approved Cambria's June 30, 2004 *Agency Response, Revised SCM & Modified Work Plan* provided additional conditions were met. Condition #1 increased the proposed analytical suite from TPHg, BTEX, MTBE, and TBA to include all five fuel oxygenates, two lead scavengers and ethanol. Current and historical groundwater monitoring data (Appendix A) show that the chemicals of concern driving the investigation and remediation activities at this site are TPHg, BTEX, MTBE, and TBA. The groundwater wells have been analyzed for most of the additional constituents on an annual basis for the past three years and have only indicated 2.7 parts per billion (ppb) of TAME in onsite well T-2 (December 2002), 4.1 ppb of 1,2-DCA in offsite well S-7 (December 2002), and 2.8 ppb of 1,2-DCA in offsite well S-9 (December 2002).

With the completion of the 16 onsite soil borings the week of October 4, 2004, a total of 72 soil samples and 5 groundwater samples were submitted to the laboratory for chemical analyses. Prior to requesting the full analytical suite on each sample, Cambria evaluated the financial impact of the ACEH's request and found that the additional analyses would increase the project budget by more than \$10,000.00.

Thus, instead of analyzing every soil sample for every constituent, Cambria requested the full suite of analyses on one sample from each boring; the sample exhibiting the maximum concentration measured in the field with the photoionization detector, and in some cases, an additional sample from a deeper interval for vertical evaluation. All of the other soil samples were analyzed for the original analytical suite, as TPHg, BTEX, MTBE, and TBA are the primary chemicals of concern at this site. Because there are nine monitoring wells on the subject site which have not indicated the significant presence of the additional constituents, the grab groundwater samples were not analyzed for the expanded analytical suite.

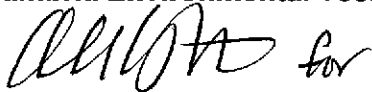
The technical report for this work is scheduled for submittal on December 7, 2004.

# C A M B R I A

## CLOSING

If you have any questions regarding the contents of this document, please call Ana Friel at (707) 442-2700.

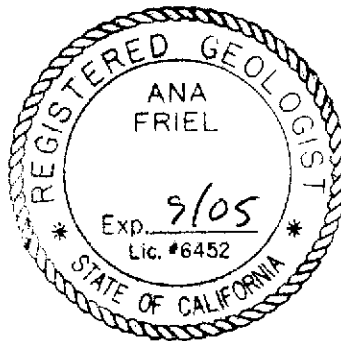
Sincerely,  
**Cambria Environmental Technology, Inc**



Cynthia Vasko  
Senior Staff Engineer



Ana Friel, RG  
Senior Project Geologist  
RG 6452



### Attachments:

- |             |  |
|-------------|--|
| Table 1.    | Groundwater Extraction System Analytical Results           |
| Table 2.    | Groundwater Extraction System Mass Removal Data            |
| Figure 1.   | Vicinity/Area Well Survey Map                              |
| Figure 2.   | Groundwater Contour Map                                    |
| Figure 3.   | TPHg Isoconcentration Contour Map                          |
| Figure 4.   | Benzene Isoconcentration Contour Map                       |
| Figure 5.   | MTBE Isoconcentration Contour Map                          |
| Figure 6.   | TBA Isoconcentration Contour Map                           |
| Appendix A. | Blaine Tech Services, Inc. - Groundwater Monitoring Report |
| Appendix B. | GWE System Certified Analytical Reports                    |

cc: Karen Petryna, Shell Oil Products US  
Betty Graham, SFBRWQCB  
Danielle Stefani, Livermore-Pleasanton Fire Department  
Matthew W. Katen, Zone 7 Water Agency  
Tri-Valley Management

# CAMBRIA

**Table 1. Groundwater Extraction System Analytical Results, Shell-branded Service Station, 3790 Hopyard Road, Pleasanton, California**

Sample Date (mm/dd/yy)	Influent				Midfluent 1			Midfluent 2			Effluent			
	TPHg Conc. (ppb)	TPHd Conc. (ppb)	Benzene Conc. (ppb)	MTBE Conc. (ppb)	TPHg Conc. (ppb)	Benzene Conc. (ppb)	MTBE Conc. (ppb)	TPHg Conc. (ppb)	Benzene Conc. (ppb)	MTBE Conc. (ppb)	TPHg Conc. (ppb)	TPHd Conc. (ppb)	Benzene Conc. (ppb)	MTBE Conc. (ppb)
07/01/03	<2,500	810 <sup>1</sup>	<25	3,400	<50	<0.50	<0.50	<50	<0.50	<0.50	<50	200 <sup>1</sup>	<0.50	<0.50
07/21/03	<2,500	67 <sup>1</sup>	<25	5,400	<500	<5.0	160	<250	<2.5	<2.5	<50	<50	<0.50	<0.50
08/01/03	<1,300	57 <sup>1</sup>	<13	3,700	<250	<2.5	190	54 <sup>2</sup>	<0.50	<0.50	<50	<50	<0.50	<0.50
08/15/03	<1,000	470 <sup>1</sup>	<10	2,200	<250	<2.5	380	<100	<1.0	<1.0	<50	76 <sup>1</sup>	<0.50	<0.50
09/11/03	<1,000	<50	<10	2,400	<50	<0.50	<5.0	<50	<0.50	<5.0	<50	<50	<0.50	<5.0
09/25/03	<1,000	NA	<10	2,600	<250	<2.5	<25	<250	<2.5	<25	<50	NA	<0.50	<5.0
10/10/03	<5,000	67 <sup>1</sup>	<50	1,800	<100	<1.0	85	<100	<10	<10	<100	<10	<1.0	<10
10/24/03	<500	NA	<5.0	1,500	<500	<5.0	75	<500	<5.0	<5.0	<500	NA	<5.0	<5.0
11/21/03	<1,000	<50 <sup>3</sup>	<10	1,300	<250	<2.5	25	<250	<2.5	<2.5	<50	<50 <sup>3</sup>	<0.50	<0.50
12/05/03	<1,000	<50	<10	1,200	<250	<2.5	110	<50	<0.50	<5.0	<50	<50	<0.50	<5.0
12/19/03	<1,000	NA	<10	950	<250	<2.5	150	<50	<0.50	<5.0	<50	NA	<0.50	<5.0
01/16/04	<50	220 <sup>1</sup>	<0.50	57	<50	<0.50	<5.0	<50	<0.50	<5.0	<50	<50	<0.50	<5.0
01/30/04	<500	NA	<5.0	460	<50	<0.50	<5.0	<50	<0.50	<5.0	<50	NA	<0.50	<5.0
02/06/04	<500	56 <sup>1</sup>	<5.0	350	<50	<0.50	<5.0	<50	<0.50	<5.0	<50	<50	<0.50	<5.0
03/05/04	<500	<50	<5.0	370	<50	<0.50	<5.0	<50	<0.50	<5.0	<50	<50	<0.50	<5.0
04/02/04	<1,000	230 <sup>1</sup>	<10	200	<50	<0.50	<5.0	<50	<0.50	<5.0	<50	<50	<0.50	<5.0
05/14/04	<1,000	<50	<10	110	<50	<0.50	<5.0	<50	<0.50	<5.0	<50	<50	<0.50	<5.0
06/04/04	<1,000	<50	<10	<100	<50	<0.50	<5.0	<50	<0.50	<5.0	<50	<50	<0.50	<5.0
07/16/04	<1,000	<50	<10	<100	<50	<0.50	<5.0	<50	<0.50	<5.0	<50	<50	<0.50	<5.0
08/06/04	<1,000	<50	<10	<100	<50	<0.50	<5.0	<50	<0.50	<5.0	<50	<50	<0.50	<5.0
09/03/04	<1,000	<50	<10	<100	75 <sup>4</sup>	<0.50	9.0	170 <sup>4</sup>	<0.50	<5.0	57 <sup>4</sup>	<50	<0.50	<5.0

**Table 1. Groundwater Extraction System Analytical Results, Shell-branded Service Station, 3790 Hopyard Road, Pleasanton, California**

**Abbreviations & Notes:**

TPHg/d = Total purgeable hydrocarbons as gasoline/diesel

MTBE = Methyl tert-butyl ether

ppb = parts per billion

TPHg, benzene and MTBE analyzed by EPA Method 8260

TPHd analyzed by EPA Method 8015M.

Discharge Limits: TPHg & TPHd = 15.0 mg/L, BTEX = 1.00 mg/L, MTBE = not applicable

NA = Not analyzed

1 = Hydrocarbon reported does not match the laboratory standard diesel pattern

2 = Hydrocarbon reported as gasoline does not match the laboratory gasoline standard

3 = The initial analysis failed QA/QC. A second analysis was conducted outside of hold time for which QA/QC passed. Both analyses reported similar results (<50ppb).

4 = The sample contains discrete peaks in the gasoline range.

Table 2. Groundwater Extraction System Mass Removal Data, Shell-branded Service Station, 3790 Hopyard Road, Pleasanton, California

Site Visit (mm/dd/yy)	Flow Meter Reading (gal)	Period Volume (gal)	Flow Rate (gpd)	Cumulative Volume (gal)	TPHg			Benzene			MTBE		
					TPHg Conc. (ppb)	Period Removal (pounds)	Cumulative Removal (pounds)	Benzene Conc. (ppb)	Period Removal (pounds)	Cumulative Removal (pounds)	MTBE Conc. (ppb)	Period Removal (pounds)	Cumulative Removal (pounds)
07/01/03	447	0	0	0	<2,500	0.000	0.000	<25	0.000	0.000	3,400	0.000	0.000
07/21/03	104,080	103,633	5,182	103,633	<2,500	1.081	1.081	<25	0.011	0.011	5,400	4.670	4.670
08/01/03	157,301	53,221	4,838	156,854	<1,300	0.289	1.370	<13	0.003	0.014	3,700	1.643	6.313
08/15/03	172,392	15,091	1,078	171,945	<1,000	0.063	1.433	<10	0.001	0.014	2,200	0.277	6.590
08/29/03	221,836	49,444	3,532	221,389	NS	0.206	1.639	NS	0.002	0.016	NS	0.908	7.498
09/11/03	286,780	64,944	4,996	286,333	<1,000	0.271	1.910	<10	0.003	0.019	2,400	1.301	8.798
09/25/03	352,750	65,970	4,712	352,303	<1,000	0.275	2.185	<10	0.003	0.022	2,600	1.431	10.229
10/10/03	420,240	67,490	4,499	419,793	<5,000	1.408	3.593	<50	0.014	0.036	1,800	1.014	11.243
10/24/03	423,410	3,170	226	422,963	<500	0.007	3.600	<5.0	0.000	0.036	1,500	0.040	11.283
11/12/03	514,680	91,270	4,804	514,233	NS	0.190	3.790	NS	0.002	0.038	NS	1.142	12.425
11/21/03	556,306	41,626	4,625	555,859	<1,000	0.174	3.964	<10	0.002	0.040	1,300	0.452	12.877
12/05/03	618,906	62,600	4,471	618,459	<1,000	0.261	4.225	<10	0.003	0.042	1,200	0.627	13.503
12/19/03	680,821	61,915	4,423	680,374	<1,000	0.258	4.483	<10	0.003	0.045	950	0.491	13.994
01/06/04	745,460	64,639	3,591	745,013	NS	0.270	4.753	NS	0.003	0.048	NS	0.512	14.507
01/16/04	784,010	38,550	3,855	783,563	<50	0.008	4.761	<0.50	0.000	0.048	57	0.018	14.525
01/30/04	848,580	64,570	4,612	848,133	<500	0.135	4.896	<5.0	0.001	0.049	460	0.248	14.773
02/06/04	879,575	30,995	4,428	879,128	<500	0.065	4.960	<5.0	0.001	0.050	350	0.091	14.863
02/20/04	929,280	49,705	3,550	928,833	NS	0.104	5.064	NS	0.001	0.051	NS	0.145	15.009
03/05/04	973,690	44,410	3,172	973,243	<500	0.093	5.157	<5.0	0.001	0.052	370	0.137	15.146
03/19/04	1,008,001	34,311	2,451	1,007,554	NS	0.072	5.228	NS	0.001	0.052	NS	0.106	15.252
04/02/04	1,030,183	22,182	1,584	1,029,736	<1,000	0.093	5.321	<10	0.001	0.053	200	0.037	15.289
04/16/04	1,052,225	22,042	1,574	1,051,778	NS	0.092	5.413	NS	0.001	0.054	NS	0.037	15.325
04/30/04	1,085,954	33,729	2,409	1,085,507	NS	0.141	5.553	NS	0.001	0.056	NS	0.056	15.382
05/14/04	1,118,933	32,979	2,356	1,118,486	<1,000	0.138	5.691	<10	0.001	0.057	110	0.030	15.412
05/24/04	1,142,083	23,150	2,315	1,141,636	NS	0.097	5.788	NS	0.001	0.058	NS	0.021	15.433
06/04/04	1,168,145	26,062	2,369	1,167,698	<1,000	0.109	5.896	<10	0.001	0.059	<100	0.011	15.444
06/18/04	1,200,909	32,764	2,340	1,200,462	NS	0.137	6.033	NS	0.001	0.060	NS	0.014	15.458
06/29/04	1,228,340	27,431	2,494	1,227,893	NS	0.114	6.147	NS	0.001	0.061	NS	0.011	15.469
07/16/04	1,265,550	37,210	2,189	1,265,103	<1,000	0.155	6.303	<10	0.002	0.063	<100	0.016	15.485
07/30/04	1,299,040	33,490	2,392	1,298,593	NS	0.140	6.442	NS	0.001	0.064	NS	0.014	15.499
08/06/04	1,315,300	16,260	2,323	1,314,853	<1,000	0.068	6.510	<10	0.001	0.065	<100	0.007	15.505
08/20/04	1,347,870	32,570	2,326	1,347,423	NS	0.136	6.646	NS	0.001	0.066	NS	0.014	15.519

Table 2: Groundwater Extraction System Mass Removal Data, Shell-branded Service Station, 3790 Hopyard Road, Pleasanton, California

09/03/04	1,380,520	32,650	2,332	1,380,073	<1,000	0.136	6.782	<10	0.001	0.068	<100	0.014	15.533		
09/17/04	1,380,520	0	0	1,380,073	NS	0.000	6.782	NS	0.000	0.068	NS	0.000	15.533		
10/01/04	1,413,915	33,395	2,385	1,413,468	NS	0.139	6.922	NS	0.001	0.069	NS	0.014	15.547		
Total Gallons Extracted:				1,413,468	Total Pounds Removed:			6.92	Total Pounds Removed:			0.069	Total Pounds Removed:		15.5
					Total Gallons Removed:			1.14	Total Gallons Removed:			0.009	Total Gallons Removed:		2.52

**Abbreviations & Notes:**

TPHg = Total purgeable hydrocarbons as gasoline

MTBE = Methyl tert-butyl ether

Conc. = Concentration

ppb = Parts per billion, equivalent to µg/L

µg/L = Micrograms per liter

L = Liter

gal = Gallon

g = Gram

NS = Not Sampled

TPHg, benzene and MTBE analyzed by EPA Method 8260

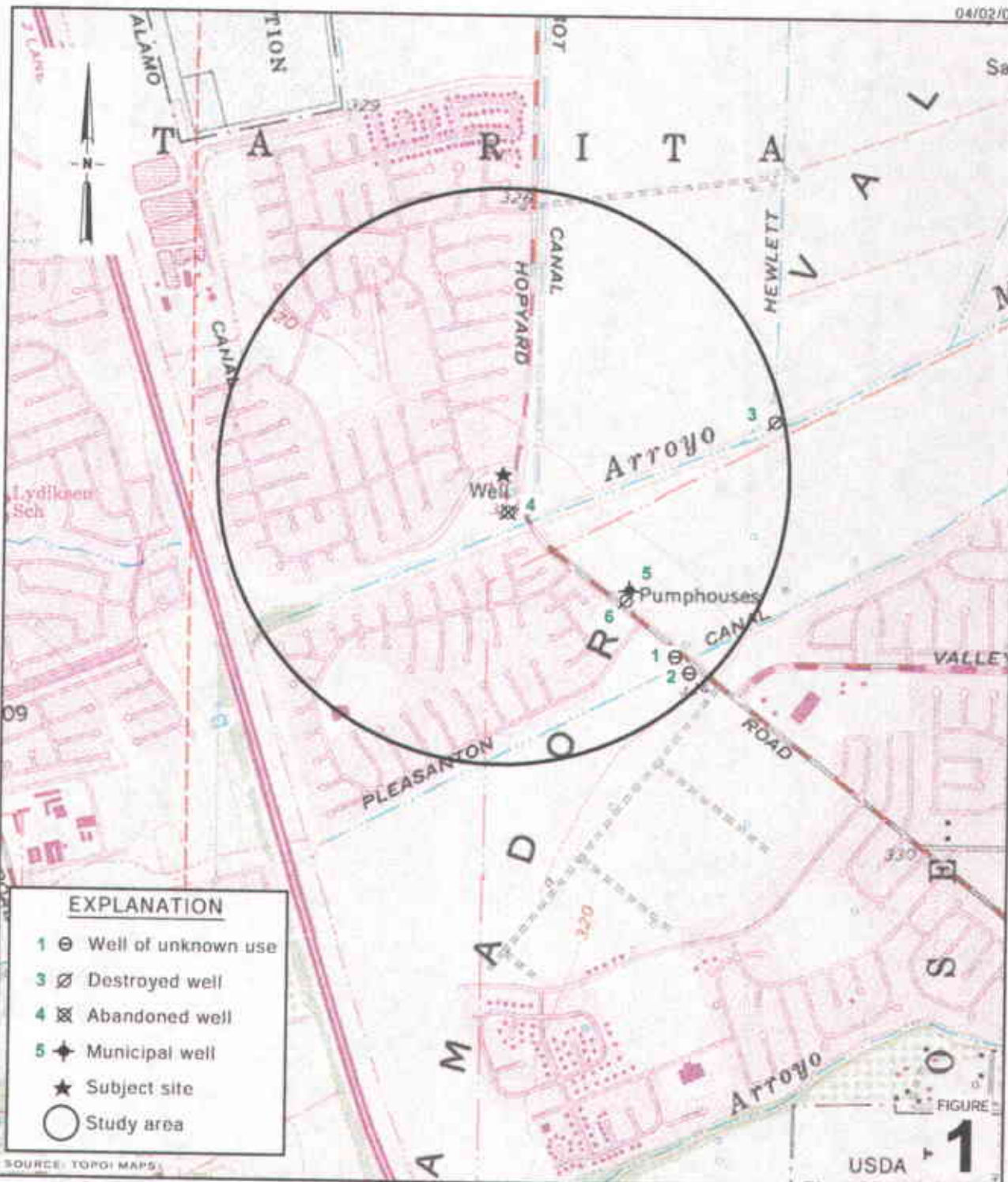
Mass removed based on the formula: volume extracted (gal) x Concentration (µg/L) x (g/10<sup>6</sup>µg) x (pound/453.6g) x (3.785 L/gal)

When constituents are not detected, the concentration is assumed to be equal to half the detection limit in subsequent calculations.

Volume removal data based on the formula: mass (pounds) x (density)<sup>-1</sup> (cc/g) x 453.6 (g/pound) x (L/1000 cc) \* (gal/3.785 L)

Density inputs: TPHg = 0.73 g/cc, benzene = 0.88 g/cc, MTBE = 0.74 g/cc





**EXPLANATION**

- 1 ⊖ Well of unknown use
- 3 ∅ Destroyed well
- 4 ⊗ Abandoned well
- 5 ⚡ Municipal well
- ★ Subject site
- Study area

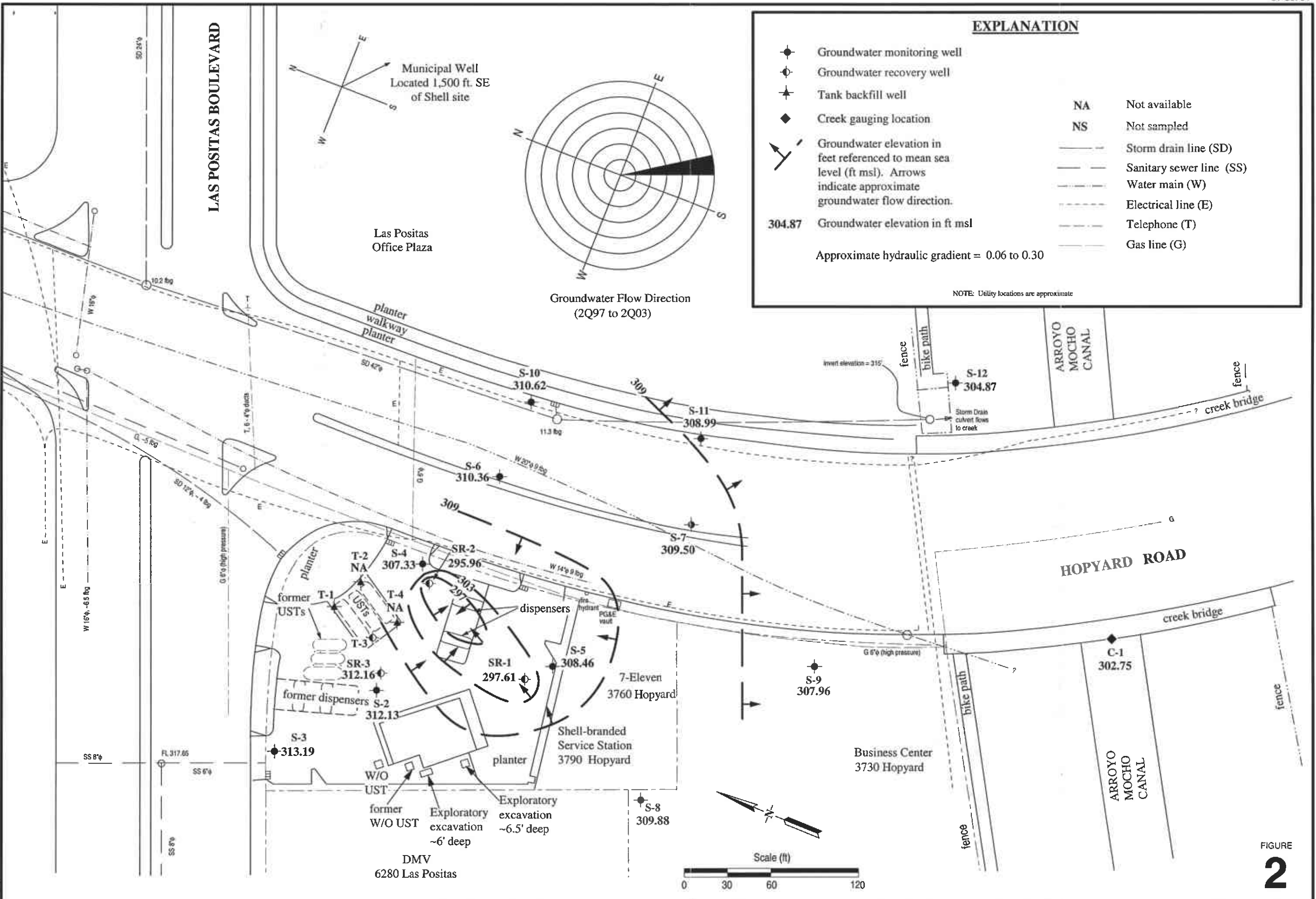


**Shell-branded Service Station**  
 3790 Hopyard Road  
 Pleasanton, California

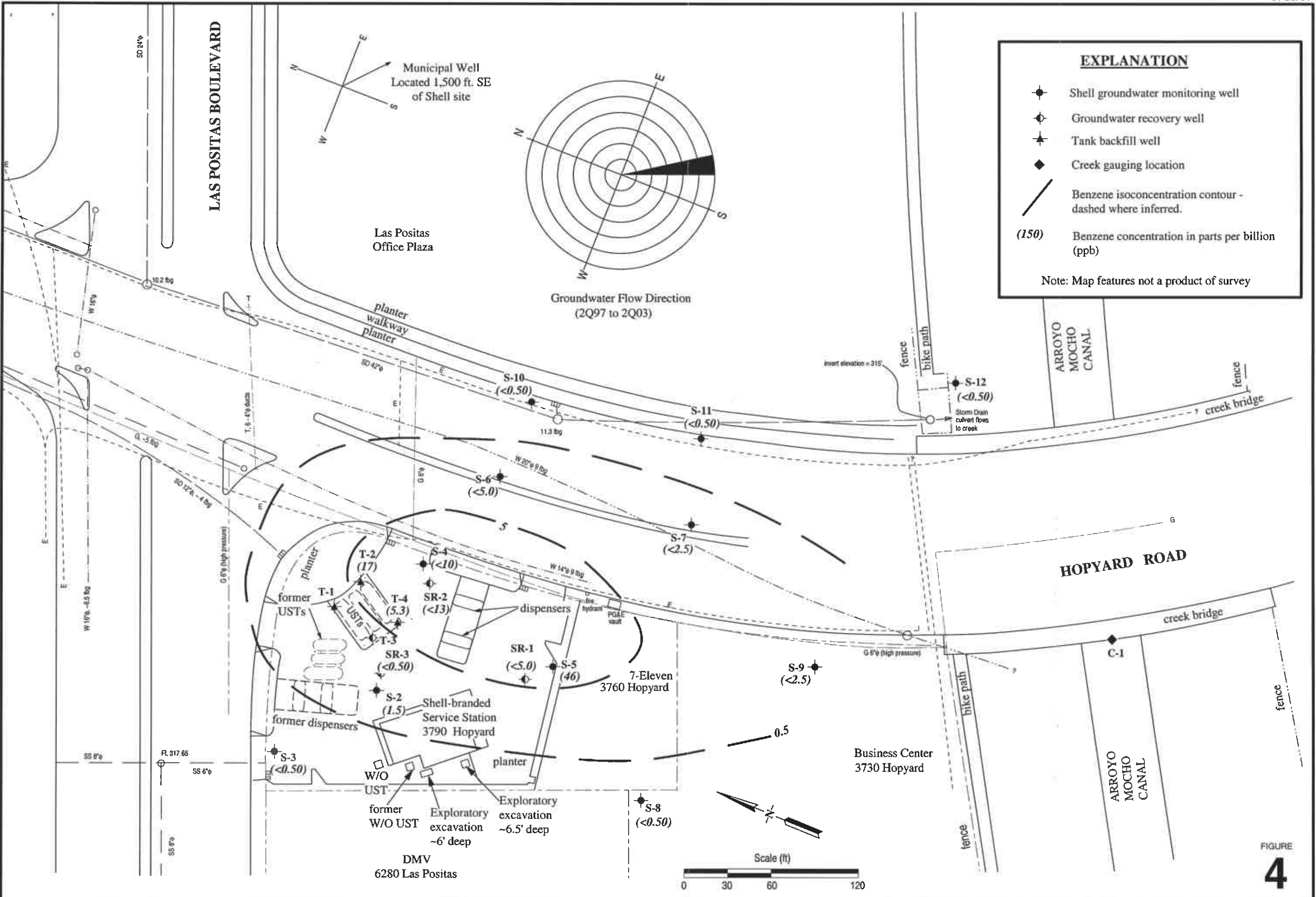


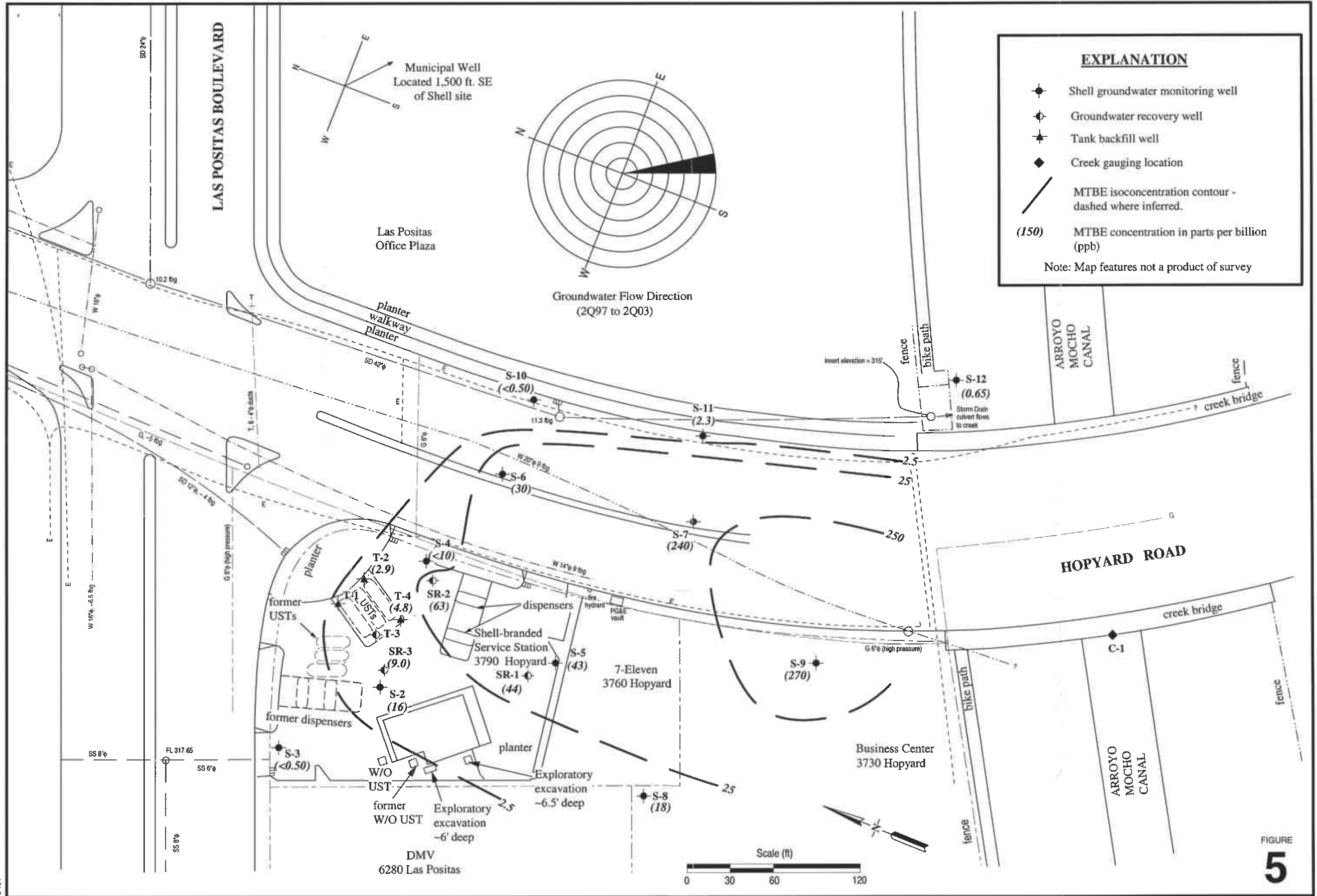
**Vicinity/Area Well Survey Map**

1/2 Mile Radius



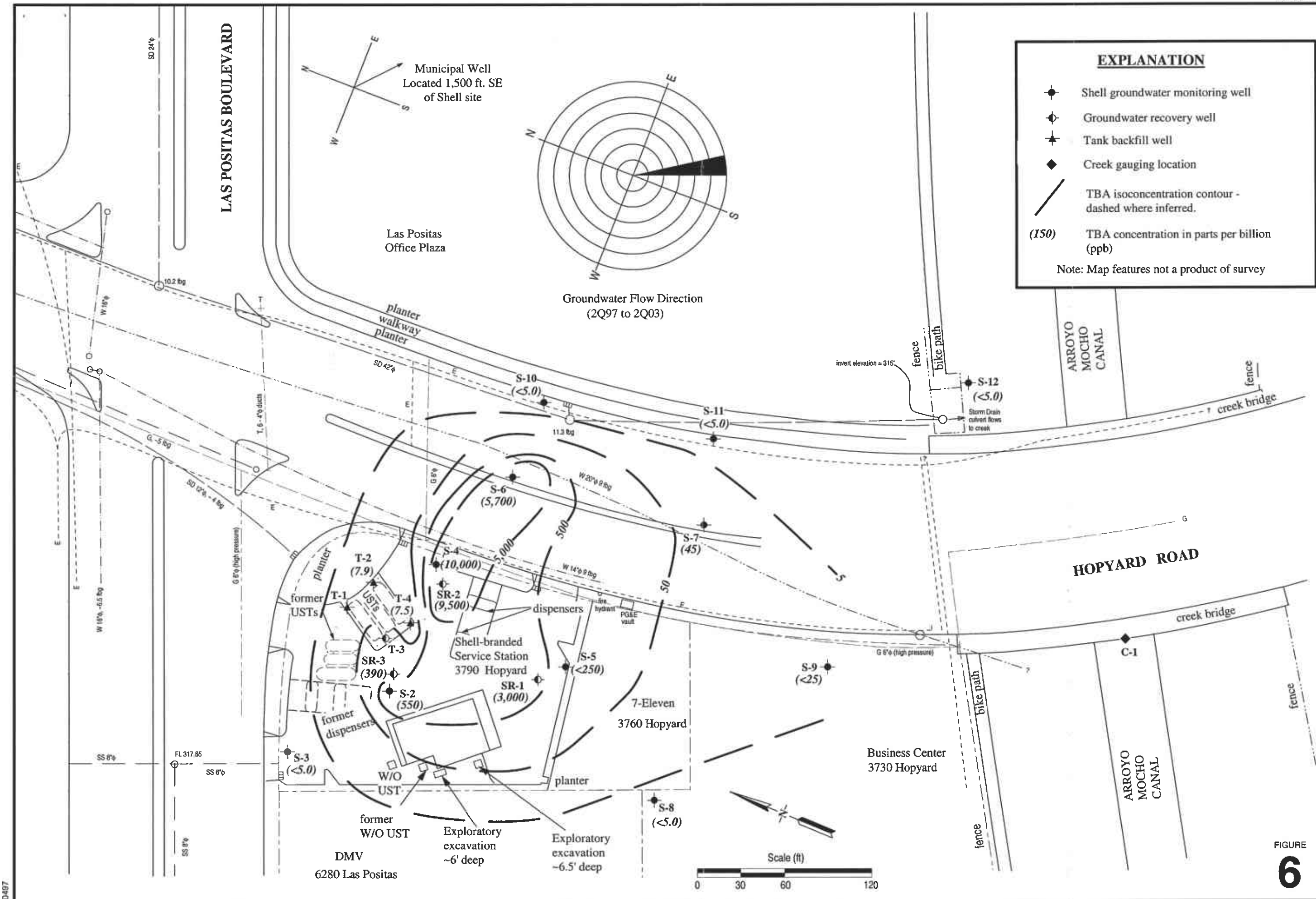






Shell-branded Service Station  
3790 Hopyard Road  
Pleasanton, California

0497



**EXPLANATION**

- ◆ Shell groundwater monitoring well
- ◆ Groundwater recovery well
- ◆ Tank backfill well
- ◆ Creek gauging location
- TBA isoconcentration contour - dashed where inferred.
- (150) TBA concentration in parts per billion (ppb)

Note: Map features not a product of survey

FIGURE 6

0497

**Appendix A**  
**Blaine Tech Services, Inc.**  
**Groundwater Monitoring Report**

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# BLAINE

TECH SERVICES INC.

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GROUNDWATER SAMPLING SPECIALISTS  
SINCE 1985

August 17, 2004

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

Third Quarter 2004 Groundwater Monitoring at  
Shell-branded Service Station  
3790 Hopyard Road  
Pleasanton, CA

Monitoring performed on July 27 and August 4, 2004

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## Groundwater Monitoring Report **040727-MD-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: Ana Friel  
Cambria Environmental Technology, Inc.  
P.O. Box 259  
Sonoma, CA 95476-0259

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**3790 Hopyard Road**  
**Pleasanton, 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-1	11/06/1987	920	NA	230	<5	150	150	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	02/14/1988	3,500	NA	1,300	<40	500	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-2	11/06/1987	16,000	NA	870	100	2,700	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-2	02/14/1988	1,800	NA	440	<10	140	140	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-2	10/13/1988	550	NA	110	1	45	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-2	01/31/1989	620	NA	170	2	62	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-2	03/07/1989	1,900	NA	260	270	130	260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-2	06/26/1989	320	NA	88	1	32	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-2	09/08/1989	230	NA	80	1	30	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-2	12/14/1989	160	NA	56	0.5	21	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-2	03/05/1990	710	NA	57	<0.5	<0.5	88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-2	06/14/1990	110	NA	39	0.5	11	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-2	10/02/1990	290	NA	84	1.7	160	8.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-2	12/18/1990	61	NA	18	1.4	2.2	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-2	03/20/1991	110	NA	30	2.2	10	7	NA	NA	NA	NA	NA	NA	NA	NA	329.21	NA	NA	NA	NA
S-2	06/26/1991	50a	NA	6.3	<0.5	3.3	1.3	NA	NA	NA	NA	NA	NA	NA	NA	329.21	NA	NA	NA	NA
S-2	09/05/1991	90	NA	12	3.2	2.5	2.3	NA	NA	NA	NA	NA	NA	NA	NA	329.21	NA	NA	NA	NA
S-2	12/13/1991	<50	NA	12	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	329.21	15.85	313.36	NA	NA
S-2	03/11/1992	<30	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	329.21	14.94	314.27	NA	NA
S-2	06/24/1992	<50	NA	0.9	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	329.21	15.78	313.43	NA	NA
S-2	09/17/1992	78	NA	2.6	1.3	1.3	0.9	NA	NA	NA	NA	NA	NA	NA	NA	329.21	15.03	314.18	NA	NA
S-2	12/11/1992	<50	NA	0.8	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	329.21	14.81	314.40	NA	NA
S-2	02/04/1993	55	NA	1.3	0.7	0.7	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	329.21	NA	NA	NA	NA
S-2	06/03/1993	<50	NA	0.7	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	329.21	NA	NA	NA	NA
S-2	09/15/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	329.21	14.63	314.58	NA	NA
S-2	12/09/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	329.21	14.70	314.51	NA	NA
S-2	06/16/1994	<50	NA	0.8	<0.5	0.7	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	329.21	14.94	314.27	NA	NA
S-2	09/13/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	329.21	15.17	314.04	NA	NA
S-2	06/21/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	329.21	14.25	314.96	NA	NA
S-2	06/12/1996	<50	NA	6.1	<0.5	<0.5	<0.5	48	NA	NA	NA	NA	NA	NA	NA	329.21	14.31	314.90	NA	NA
S-2	06/25/1997	120	NA	25	0.59	2.4	8.7	130	NA	NA	NA	NA	NA	NA	NA	329.21	14.40	314.81	NA	4.4

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**3790 Hopyard Road**  
**Pleasanton, 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-2	06/19/1998	450	NA	96	<2.5	4	19	180	NA	NA	NA	NA	NA	NA	NA	329.21	13.72	315.49	NA	2.8
S-2	06/17/1999	312	NA	74.4	2.04	1.02	<1.00	147	NA	NA	NA	NA	NA	NA	NA	329.21	13.97	315.24	NA	3.7
S-2	06/15/2000	1,050	NA	261	<5.00	7.54	11.4	13,500	9,850b	NA	NA	NA	NA	NA	NA	329.21	14.25	314.96	NA	3.3
S-2	11/29/2000	<250	NA	3.75	<2.50	<2.50	<2.50	12,400	10,700b	NA	NA	NA	NA	NA	NA	329.21	14.82	314.39	NA	2.2
S-2	03/07/2001	<500	NA	14.7	<5.00	<5.00	<5.00	8,610	NA	NA	NA	NA	NA	NA	NA	329.21	13.70	315.51	NA	2.3
S-2	06/18/2001	<2,000	NA	<20	<20	<20	<20	NA	7,100	NA	NA	NA	NA	NA	NA	329.21	14.56	314.65	NA	NA
S-2	09/17/2001	<2,000	NA	<10	<10	<10	<10	NA	7,500	<10	<10	<10	680	<500	NA	329.21	15.18	314.03	NA	NA
S-2	12/31/2001	<1,000	NA	<10	<10	<10	<10	NA	3,800	NA	NA	NA	NA	NA	NA	329.21	13.19	316.02	NA	NA
S-2	03/13/2002	<1,000	NA	65	<10	13	<10	NA	6,500	NA	NA	NA	NA	NA	NA	329.21	15.03	314.18	NA	NA
S-2	06/18/2002	520	NA	28	<5.0	<5.0	<5.0	NA	2,800	NA	NA	NA	NA	NA	NA	329.21	15.60	313.61	NA	NA
S-2	09/27/2002	<1,000	NA	<10	<10	<10	<10	NA	4,200	NA	NA	NA	NA	NA	NA	328.77	14.90	313.87	NA	NA
S-2	12/27/2002	<1,000	NA	<10	<10	<10	<10	NA	4,300	<10	<10	<10	5,600	NA	<10	328.77	14.40	314.37	NA	NA
S-2	03/24/2003	<2,500	NA	28	<25	<25	<50	NA	1,300	NA	NA	NA	NA	NA	NA	328.77	14.86	313.91	NA	NA
S-2	05/09/2003	<2,500	NA	36	<25	35	<50	NA	4,000	NA	NA	NA	6,200	NA	NA	328.77	13.45	315.32	NA	NA
S-2	07/08/2003	<2,000	NA	<20	<20	<20	<40	NA	3,200	NA	NA	NA	NA	NA	NA	328.77	20.10	308.67	NA	NA
S-2	10/15/2003	960 e	NA	6.9	<2.5	9.0	<5.0	NA	90	NA	NA	NA	2,400	NA	NA	328.77	16.67	312.10	NA	NA
S-2	01/06/2004	690	NA	8.3	<0.50	0.72	2.8	NA	82	NA	NA	NA	860	NA	NA	328.77	21.00	307.77	NA	NA
S-2	04/07/2004	980 e	NA	12	<2.5	<2.5	<5.0	NA	28	NA	NA	NA	2,500	NA	NA	328.77	16.62	312.15	NA	NA
S-2	07/27/2004	62	NA	1.5	<0.50	<0.50	<1.0	NA	16	<2.0	<2.0	<2.0	550	<50	NA	328.77	16.64	312.13	NA	NA
S-3	02/14/1988	<50	NA	<0.5	<1	<4	<4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-3	10/13/1988	<50	NA	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-3	01/31/1989	<50	NA	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-3	03/07/1989	<50	NA	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-3	06/26/1989	<50	NA	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-3	09/08/1989	<50	NA	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-3	12/14/1989	<50	NA	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-3	03/05/1990	<50	NA	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-3	06/14/1990	<500	NA	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-3	10/02/1990	<50	NA	<0.5	<0.5	<0.5	1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-3	12/18/1990	<50	NA	<0.5	1.6	<0.5	2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-3	03/20/1991	70	NA	2.3	8.9	4	23	NA	NA	NA	NA	NA	NA	NA	NA	327.67	NA	NA	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
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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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-3	06/26/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.67	NA	NA	NA	NA
S-3	09/05/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.67	NA	NA	NA	NA
S-3	12/13/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.67	13.87	313.80	NA	NA
S-3	03/11/1992	<30	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.67	13.05	314.62	NA	NA
S-3	06/24/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.67	13.86	313.81	NA	NA
S-3	09/17/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.67	13.01	314.66	NA	NA
S-3	12/11/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.67	13.00	314.67	NA	NA
S-3	02/04/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.67	NA	NA	NA	NA
S-3	06/03/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.67	NA	NA	NA	NA
S-3	09/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	327.67	13.02	314.65	NA	NA
S-3	12/09/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	327.67	NA	NA	NA	NA
S-3	09/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	327.67	15.17	312.50	NA	NA
S-3	06/21/1995	50	NA	4.1	<0.5	20	1.2	NA	NA	NA	NA	NA	NA	NA	NA	327.67	12.49	315.18	NA	NA
S-3	06/12/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	327.67	12.53	315.14	NA	NA
S-3	06/25/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	327.67	12.64	315.03	NA	1.8
S-3	06/19/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	327.67	11.74	315.93	NA	4.1
S-3	06/17/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	327.67	12.35	315.32	NA	2.8
S-3	06/15/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	327.67	12.51	315.16	NA	3.2
S-3	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	327.67	12.84	314.83	NA	1.0
S-3	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	327.67	12.42	315.25	NA	2.8
S-3	06/18/2001	<50	NA	0.66	1.1	<0.50	0.51	NA	0.66	NA	NA	NA	NA	NA	NA	327.67	13.74	313.93	NA	NA
S-3	09/17/2001	<50	NA	0.73	0.96	<0.50	0.61	NA	<5.0	NA	NA	NA	NA	NA	NA	327.67	13.25	314.42	NA	NA
S-3	12/31/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	327.67	12.38	315.29	NA	NA
S-3	03/13/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	327.67	13.16	314.51	NA	NA
S-3	06/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	327.67	13.55	314.12	NA	NA
S-3	09/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	327.40	13.32	314.08	NA	NA
S-3	12/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	<2.0	<2.0	<2.0	<50	NA	<2.0	327.40	12.55	314.85	NA	NA
S-3	03/24/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	NA	NA	327.40	12.71	314.69	NA	NA
S-3	05/09/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	NA	NA	327.40	12.27	315.13	NA	NA
S-3	07/08/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.7	NA	NA	NA	<5.0	NA	NA	327.40	14.10	313.30	NA	NA
S-3	10/15/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	NA	NA	327.40	14.64	312.76	NA	NA
S-3	01/06/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	NA	NA	327.40	15.11	312.29	NA	NA

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S-3	04/07/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	NA	NA	327.40	14.36	313.04	NA	NA
S-3	07/27/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<50	NA	327.40	14.21	313.19	NA	NA
S-4	02/14/1988	5,100	NA	160	8	730	730	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-4	10/13/1988	530	NA	24	1	25	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-4	01/31/1989	1,100	NA	33	2	20	24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-4	03/07/1989	650	NA	37	1	35	27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-4	06/26/1989	670	NA	110	<1	85	71	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-4	09/08/1989	380	NA	32	<1	36	26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-4	12/14/1989	210	NA	21	<0.5	30	23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-4	03/05/1990	350	NA	43	<0.5	24	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-4	06/14/1990	430	NA	74	<0.5	71	46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-4	10/02/1990	700	NA	74	2.2	100	55	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-4	12/18/1990	1,400	NA	180	2.9	280	230	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-4	03/20/1991	1,200	NA	100	<2.0	210	130	NA	NA	NA	NA	NA	NA	NA	NA	328.53	NA	NA	NA	NA
S-4	06/26/1991	220	NA	14	<0.5	34	17	NA	NA	NA	NA	NA	NA	NA	NA	328.53	NA	NA	NA	NA
S-4	09/05/1991	580	NA	31	0.8	53	26	NA	NA	NA	NA	NA	NA	NA	NA	328.53	NA	NA	NA	NA
S-4	12/13/1991	370	NA	24	0.9	1.3	46	NA	NA	NA	NA	NA	NA	NA	NA	328.53	15.20	313.33	NA	NA
S-4	03/11/1992	1,600	NA	23	1.2	12	20	NA	NA	NA	NA	NA	NA	NA	NA	328.53	14.37	314.16	NA	NA
S-4	06/24/1992	480	NA	48	<1.0	95	22	NA	NA	NA	NA	NA	NA	NA	NA	328.53	15.30	313.23	NA	NA
S-4	09/17/1992	260	NA	35	1.2	51	7.8	NA	NA	NA	NA	NA	NA	NA	NA	328.53	14.17	314.36	NA	NA
S-4	12/11/1992	270	NA	34	0.8	28	4.5	NA	NA	NA	NA	NA	NA	NA	NA	328.53	14.18	314.35	NA	NA
S-4	02/04/1993	1,100	NA	12	<5.0	89	100	NA	NA	NA	NA	NA	NA	NA	NA	328.53	NA	NA	NA	NA
S-4	06/03/1993	210	NA	48	1.1	42	4	NA	NA	NA	NA	NA	NA	NA	NA	328.53	NA	NA	NA	NA
S-4	09/15/1993	700	NA	21	<1.0	110	91	NA	NA	NA	NA	NA	NA	NA	NA	328.53	13.86	314.67	NA	NA
S-4	12/09/1993	250	NA	39	<0.5	3.8	2.6	NA	NA	NA	NA	NA	NA	NA	NA	328.53	14.16	314.37	NA	NA
S-4	03/04/1994	150	NA	25	1.4	6.8	2.8	NA	NA	NA	NA	NA	NA	NA	NA	328.53	14.17	314.36	NA	NA
S-4 (D)	03/04/1994	140	NA	28	0.8	7.9	3.2	NA	NA	NA	NA	NA	NA	NA	NA	328.53	14.17	314.36	NA	NA
S-4	06/16/1994	90	NA	12	<0.5	1.8	2.4	NA	NA	NA	NA	NA	NA	NA	NA	328.53	14.14	314.39	NA	NA
S-4 (D)	06/16/1994	80	NA	5.9	<0.5	1.5	0.9	NA	NA	NA	NA	NA	NA	NA	NA	328.53	14.14	314.39	NA	NA
S-4	09/13/1994	<50	NA	23	<0.5	4.9	2.4	NA	NA	NA	NA	NA	NA	NA	NA	328.53	14.42	314.11	NA	NA
S-4 (D)	09/13/1994	<50	NA	23	<0.5	4	2.3	NA	NA	NA	NA	NA	NA	NA	NA	328.53	14.42	314.11	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**3790 Hopyard Road**  
**Pleasanton, 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-4	06/21/1995	270	NA	34	1.4	25	7.6	NA	NA	NA	NA	NA	NA	NA	NA	328.53	13.82	314.71	NA	NA
S-4 (D)	06/21/1995	280	NA	35	2.1	26	8.4	NA	NA	NA	NA	NA	NA	NA	NA	328.53	13.82	314.71	NA	NA
S-4	06/12/1996	360	NA	52	<0.5	<0.5	<0.5	92	NA	NA	NA	NA	NA	NA	NA	328.53	13.64	314.89	NA	NA
S-4 (D)	06/12/1996	430	NA	54	<1.2	72	21	96	NA	NA	NA	NA	NA	NA	NA	328.53	13.64	314.89	NA	NA
S-4	06/25/1997	6,700	NA	93	1,200	240	1,300	6,900	6,800	NA	NA	NA	NA	NA	NA	328.53	13.74	314.79	NA	0.6
S-4	06/19/1998	3,500	NA	56	15	140	670	2,100	NA	NA	NA	NA	NA	NA	NA	328.53	12.55	315.98	NA	0.8
S-4 (D)	06/19/1998	3,000	NA	51	14	110	530	2,000	NA	NA	NA	NA	NA	NA	NA	328.53	12.55	315.98	NA	0.8
S-4	06/17/1999	1,510	NA	28.4	9.84	176	132	1,780	NA	NA	NA	NA	NA	NA	NA	328.53	13.24	315.29	NA	4.8
S-4	06/15/2000	<500	NA	12.0	<5.00	31.0	22.8	12,200	NA	NA	NA	NA	NA	NA	NA	328.53	13.65	314.88	NA	2.1
S-4	11/29/2000	<500	NA	<5.00	<5.00	<5.00	<5.00	12,100	NA	NA	NA	NA	NA	NA	NA	328.53	14.23	314.30	NA	1.8
S-4	03/07/2001	<500	NA	5.44	<5.00	6.49	<5.00	11,400	14,500	NA	NA	NA	NA	NA	NA	328.53	13.15	315.38	NA	2.4
S-4	06/18/2001	<1,000	NA	<10	<10	<10	<10	NA	3,500	NA	NA	NA	NA	NA	NA	328.53	13.81	314.72	NA	NA
S-4	09/17/2001	<500	NA	<5.0	<5.0	<5.0	<5.0	NA	7,700	NA	NA	NA	NA	NA	NA	328.53	14.29	314.24	NA	NA
S-4	12/31/2001	<1,000	NA	<10	<10	<10	<10	NA	3,800	NA	NA	NA	NA	NA	NA	328.53	13.44	315.09	NA	NA
S-4	03/13/2002	<2,500	NA	<25	<25	<25	<25	NA	18,000	NA	NA	NA	NA	NA	NA	328.53	14.42	314.11	NA	NA
S-4	06/18/2002	<100	NA	1.1	<1.0	<1.0	<1.0	NA	530	NA	NA	NA	NA	NA	NA	328.53	15.19	313.34	NA	NA
S-4	09/27/2002	<200	NA	<2.0	<2.0	<2.0	<2.0	NA	1,100	NA	NA	NA	NA	NA	NA	328.11	14.32	313.79	NA	NA
S-4	12/27/2002	280	NA	3.5	<2.5	17	4.7	NA	390	<2.5	<2.5	<5.0	9,000	NA	<2.5	328.11	13.50	314.61	NA	NA
S-4	03/24/2003	<2,500	NA	<25	<25	<25	<50	NA	780	NA	NA	NA	NA	NA	NA	328.11	14.56	313.55	NA	NA
S-4	05/09/2003	<2,500	NA	<25	<25	<25	<50	NA	1,200	NA	NA	NA	18,000	NA	NA	328.11	13.20	314.91	NA	NA
S-4	07/08/2003	<2,500	NA	<25	<25	<25	<50	NA	1,700	NA	NA	NA	8,700	NA	NA	328.11	20.87	307.24	NA	NA
S-4	10/15/2003	<2,500	NA	<25	<25	<25	<50	NA	280	NA	NA	NA	11,000	NA	NA	328.11	16.15	311.96	NA	NA
S-4	01/06/2004	3,500	NA	<5.0	19	190	570	NA	58	NA	NA	NA	9,600	NA	NA	328.11	21.64	306.47	NA	NA
S-4	04/07/2004	<1,000	NA	<10	<10	<10	<20	NA	110	NA	NA	NA	9,900	NA	NA	328.11	20.89	307.22	NA	NA
S-4	07/27/2004	<1,000	NA	<10	<10	<10	<20	NA	<10	<40	<40	<40	10,000	<1,000	NA	328.11	20.78	307.33	NA	NA
S-5	02/14/1988	1,000	NA	40	86	180	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-5	10/13/1988	560	NA	66	20	18	36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-5	01/31/1989	180	NA	27	8	9	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-5	03/07/1989	3,800	NA	520	530	260	570	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-5	06/26/1989	<50	NA	3.8	<1	2	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-5	09/08/1989	110	NA	25	2	2	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**3790 Hopyard Road**  
**Pleasanton, 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-5	12/14/1989	1,700	NA	300	86	67	140	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-5	03/05/1990	1,100	NA	100	110	79	240	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-5	06/14/1990	600	NA	94	36	40	62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-5	10/02/1990	4,500	NA	1,400	160	260	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-5	11/20/1990	16,000	NA	4,600	720	790	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-5	12/18/1990	25,000	NA	7,600	1,100	1,300	2,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-5	03/20/1991	310	NA	39	12	18	30	NA	NA	NA	NA	NA	NA	NA	NA	329.66	NA	NA	NA	NA
S-5	06/26/1991	1,300	NA	250	62	120	180	NA	NA	NA	NA	NA	NA	NA	NA	329.66	NA	NA	NA	NA
S-5	09/05/1991	4,700	NA	660	150	170	280	NA	NA	NA	NA	NA	NA	NA	NA	329.66	NA	NA	NA	NA
S-5	12/13/1991	1,400	NA	580	19	110	80	NA	NA	NA	NA	NA	NA	NA	NA	329.66	17.48	312.18	NA	NA
S-5	03/11/1992	<30	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	329.66	16.22	313.44	NA	NA
S-5	06/24/1992	1,800	NA	380	52	120	180	NA	NA	NA	NA	NA	NA	NA	NA	329.66	17.47	312.19	NA	NA
S-5	09/17/1992	2,200	NA	750	91	170	170	NA	NA	NA	NA	NA	NA	NA	NA	329.66	16.84	312.82	NA	NA
S-5	12/11/1992	8,700	NA	1,600	66	48	340	NA	NA	NA	NA	NA	NA	NA	NA	329.66	16.37	313.29	NA	NA
S-5	02/04/1993	150	NA	156	0.7	4.7	4	NA	NA	NA	NA	NA	NA	NA	NA	329.66	NA	NA	NA	NA
S-5	06/03/1993	480	NA	140	3.4	17	14	NA	NA	NA	NA	NA	NA	NA	NA	329.66	NA	NA	NA	NA
S-5	09/15/1993	80	NA	2.4	0.5	1.4	2.9	NA	NA	NA	NA	NA	NA	NA	NA	329.66	16.20	313.46	NA	NA
S-5	12/09/1993	120	NA	0.66	<0.5	2.2	1.2	NA	NA	NA	NA	NA	NA	NA	NA	329.66	16.26	313.40	NA	NA
S-5	03/04/1994	70	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	329.66	16.25	313.41	NA	NA
S-5	06/16/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	329.66	16.04	313.62	NA	NA
S-5	09/13/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	329.66	11.52	318.14	NA	NA
S-5	06/21/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	329.66	14.50	315.16	NA	NA
S-5	06/12/1996	<500	NA	6	<5.0	<5.0	<5.0	1,400	NA	NA	NA	NA	NA	NA	NA	329.66	12.53	317.13	NA	NA
S-5	06/25/1997	<250	NA	<2.5	<2.5	<2.5	<2.5	1,100	NA	NA	NA	NA	NA	NA	NA	329.66	15.34	314.32	NA	1.1
S-5	06/19/1998	<50	NA	1	<0.50	<0.50	<0.50	61	NA	NA	NA	NA	NA	NA	NA	329.66	13.71	315.95	NA	3.6
S-5	06/17/1999	<50.0	NA	1.44	<0.500	<0.500	<0.500	336	NA	NA	NA	NA	NA	NA	NA	329.66	13.56	316.10	NA	1.4
S-5	06/15/2000	<50.0	NA	0.820	<0.500	<0.500	<0.500	221	NA	NA	NA	NA	NA	NA	NA	329.66	15.00	314.66	NA	2.7
S-5	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	183	NA	NA	NA	NA	NA	NA	NA	329.66	16.29	313.37	NA	0.7
S-5	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	7.55	NA	NA	NA	NA	NA	NA	NA	329.66	15.49	314.17	NA	2.5
S-5	06/18/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	11	NA	NA	NA	NA	NA	NA	329.66	15.50	314.16	NA	NA
S-5	09/17/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	17	NA	NA	NA	NA	NA	NA	329.66	16.35	313.31	NA	NA
S-5	12/31/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	329.66	12.80	316.86	NA	NA

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S-5	03/13/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	93	NA	NA	NA	NA	NA	NA	329.66	16.32	313.34	NA	NA
S-5	06/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	130	NA	NA	NA	NA	NA	NA	329.66	17.00	312.66	NA	NA
S-5	09/27/2002	<50	NA	0.88	<0.50	<0.50	<0.50	NA	280	NA	NA	NA	NA	NA	NA	329.36	16.34	313.02	NA	NA
S-5	12/27/2002	<50	NA	1.9	<0.50	<0.50	<0.50	NA	87	<2.0	<2.0	<2.0	<50	NA	<2.0	329.36	15.45	313.91	NA	NA
S-5	03/24/2003	<250	NA	2.5	<2.5	<2.5	<5.0	NA	220	NA	NA	NA	NA	NA	NA	329.36	16.70	312.66	NA	NA
S-5	05/09/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	110	NA	NA	NA	17	NA	NA	329.36	13.16	316.20	NA	NA
S-5	07/08/2003	<1,000	NA	<10	<10	<10	<20	NA	320	NA	NA	NA	<100	NA	NA	329.36	19.00	310.36	NA	NA
S-5	10/15/2003	1,400 e	NA	27	<2.5	<2.5	<5.0	NA	180	NA	NA	NA	51	NA	NA	329.36	19.08	310.28	NA	NA
S-5	01/06/2004	84,000	NA	1,400	1,200	<25	17,000	NA	140	NA	NA	NA	<250	NA	NA	329.36	20.97	308.39	NA	NA
S-5	04/07/2004	20,000	NA	70	<25	230	290	NA	66	NA	NA	NA	<250	NA	NA	329.36	20.81	308.55	NA	NA
S-5	07/27/2004	9,900	NA	46	<25	74	<50	NA	43	<100	<100	<100	<250	<2,500	NA	329.36	20.93	308.46	0.04	NA
S-5	08/04/2004	22,000	NA	48	<10	63	38	NA	NA	NA	NA	NA	NA	NA	NA	329.36	20.97	308.46	0.09	NA

S-6	10/13/1988	1100	NA	13.0	1	42	33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-6	01/31/1989	340	NA	3.8	<1	8	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-6	03/07/1989	190	NA	3.8	<1	7	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-6	06/26/1989	480	NA	15	<1	6	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-6	09/08/1989	270	NA	1.3	1	7	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-6	12/15/1989	320	NA	1.0	<0.5	2.6	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-6	03/06/1990	420	NA	3.1	<0.5	14	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-6	06/14/1990	370	NA	3.7	0.9	4.8	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-6	10/02/1990	190	NA	6.6	1.6	1.9	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-6	12/18/1990	430	NA	10	0.7	1.6	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-6	03/20/1991	130a	NA	606	0.6	0.7	3	NA	NA	NA	NA	NA	NA	NA	NA	327.62	NA	NA	NA	NA
S-6	06/26/1991	120a	NA	3.8	0.8	<0.5	1.7	NA	NA	NA	NA	NA	NA	NA	NA	327.62	NA	NA	NA	NA
S-6	09/05/1991	60	NA	<0.5	0.8	<0.5	0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.62	NA	NA	NA	NA
S-6	12/13/1991	150	NA	2.3	<0.5	<0.5	150	NA	NA	NA	NA	NA	NA	NA	NA	327.62	15.11	312.51	NA	NA
S-6	03/11/1992	<30	NA	<0.3	<0.3	<0.5	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	327.62	16.35	311.27	NA	NA
S-6	06/24/1992	170	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.62	16.51	311.11	NA	NA
S-6	09/17/1992	190	NA	<0.5	1.6	<0.5	1.2	NA	NA	NA	NA	NA	NA	NA	NA	327.62	14.33	313.29	NA	NA
S-6	12/11/1992	180	NA	<0.5	0.8	<0.5	0.7	NA	NA	NA	NA	NA	NA	NA	NA	327.62	14.48	313.14	NA	NA
S-6	02/04/1993	290	NA	<0.5	<0.5	<0.5	0.7	NA	NA	NA	NA	NA	NA	NA	NA	327.62	NA	NA	NA	NA



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S-6	06/03/1993	100	NA	1.2	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.62	NA	NA	NA	NA
S-6	09/15/1993	160	NA	1.4	<0.5	0.9	2	NA	NA	NA	NA	NA	NA	NA	NA	327.62	14.16	313.46	NA	NA
S-6	12/09/1993	130	NA	2.3	2.6	5.1	6.2	NA	NA	NA	NA	NA	NA	NA	NA	327.62	14.68	312.94	NA	NA
S-6	03/04/1994	220	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.62	14.42	313.20	NA	NA
S-6	06/16/1994	60	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.62	14.92	312.70	NA	NA
S-6	09/13/1994	<50	NA	<0.5	6	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.62	14.72	312.90	NA	NA
S-6	06/21/1995	270	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.62	13.86	313.76	NA	NA
S-6	06/12/1996	200	NA	2	<0.5	<0.5	<0.5	12	NA	NA	NA	NA	NA	NA	NA	327.62	13.90	313.72	NA	NA
S-6	06/25/1997	180	NA	<0.50	0.61	<0.50	0.77	28	NA	NA	NA	NA	NA	NA	NA	327.62	13.64	313.98	NA	1.8
S-6 (D)	06/25/1997	130	NA	<0.50	<0.50	<0.50	<0.50	21	NA	NA	NA	NA	NA	NA	NA	327.62	13.64	313.98	NA	1.8
S-6	06/19/1998	100	NA	7.6	<0.50	<0.50	<0.50	27	NA	NA	NA	NA	NA	NA	NA	327.62	13.81	313.81	NA	1.7
S-6	06/17/1999	114	NA	4.14	<0.500	<0.500	<0.500	19.9	NA	NA	NA	NA	NA	NA	NA	327.62	14.21	313.41	NA	1.6
S-6	06/15/2000	367	NA	17.5	<0.500	<0.500	<0.500	1,050	NA	NA	NA	NA	NA	NA	NA	327.62	14.51	313.11	NA	1.8
S-6	11/29/2000	154	NA	0.754	16.4	<0.500	1.05	5,470	NA	NA	NA	NA	NA	NA	NA	327.62	14.32	313.30	NA	2.1
S-6	03/07/2001	183	NA	0.971	25.1	0.636	0.996	6,830	NA	NA	NA	NA	NA	NA	NA	327.62	15.39	312.23	NA	1.7
S-6	06/18/2001	<2,000	NA	<20	<20	<20	<20	NA	8,200	NA	NA	NA	NA	NA	NA	327.62	14.72	312.90	NA	NA
S-6	09/17/2001 c	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	5.7	<2.0	<2.0	<2.0	<50	<500	NA	327.62	16.69	310.93	NA	NA
S-6	12/31/2001	260	NA	<0.50	<0.50	<0.50	<0.50	NA	11,000	NA	NA	NA	NA	NA	NA	327.62	13.99	313.63	NA	NA
S-6	03/13/2002	440	NA	<2.5	<2.5	<2.5	<2.5	NA	930	NA	NA	NA	NA	NA	NA	327.62	15.10	312.52	NA	NA
S-6	06/18/2002	340	NA	<1.0	<1.0	<1.0	<1.0	NA	560	NA	NA	NA	NA	NA	NA	327.62	15.24	312.38	NA	NA
S-6	09/27/2002	<250	NA	<2.5	<2.5	<2.5	<2.5	NA	580	NA	NA	NA	NA	NA	NA	327.26	14.34	312.92	NA	NA
S-6	12/27/2002	<500	NA	<5.0	<5.0	<5.0	<5.0	NA	230	<5.0	<5.0	<5.0	10,000	NA	<5.0	327.26	14.30	312.96	NA	NA
S-6	03/24/2003	<5,000	NA	<50	<50	<50	<100	NA	<500	NA	NA	NA	NA	NA	NA	327.26	14.37	312.89	NA	NA
S-6	05/09/2003	<2,500	NA	<25	<25	<25	<50	NA	140	NA	NA	NA	12,000	NA	NA	327.26	14.25	313.01	NA	NA
S-6	07/08/2003	<2,500	NA	<25	<25	<25	<50	NA	100	NA	NA	NA	8,400	NA	NA	327.26	15.37	311.89	NA	NA
S-6	10/15/2003	<1,000	NA	<10	<10	<10	<20	NA	63	NA	NA	NA	10,000	NA	NA	327.26	17.69	309.57	NA	NA
S-6	01/06/2004	<500	NA	<5.0	<5.0	<5.0	<10	NA	27	NA	NA	NA	7,600	NA	NA	327.26	17.19	310.07	NA	NA
S-6	04/07/2004	<500	NA	<5.0	<5.0	<5.0	<10	NA	15	NA	NA	NA	2,900	NA	NA	327.26	16.72	310.54	NA	NA
S-6	07/27/2004	860 e	NA	<5.0	<5.0	<5.0	<10	NA	30	<20	<20	<20	5,700	<500	NA	327.26	16.90	310.36	NA	NA
S-7	10/13/1988	<50	NA	0.6	1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	01/31/1989	<50	NA	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**3790 Hopyard Road**  
**Pleasanton, 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-7	03/07/1989	<50	NA	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	06/26/1989	<50	NA	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	09/08/1989	<50	NA	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	12/15/1989	<50	NA	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	03/06/1990	<50	NA	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	06/14/1990	<50	NA	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	10/02/1990	<50	NA	<0.5	0.6	<0.5	0.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	12/18/1990	<50	NA	0.5	<0.5	<0.5	0.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	03/20/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.67	NA	NA	NA	NA
S-7	06/26/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.67	NA	NA	NA	NA
S-7	09/05/1991	<50	NA	<0.5	0.6	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.67	NA	NA	NA	NA
S-7	12/13/1991	<50	NA	<0.6	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.67	17.70	310.97	NA	NA
S-7	03/11/1992	<50	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	328.67	17.06	311.61	NA	NA
S-7	06/24/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.67	17.80	310.87	NA	NA
S-7	09/17/1992	<50	NA	0.6	0.6	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.67	17.00	311.67	NA	NA
S-7	12/11/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.67	17.35	311.32	NA	NA
S-7	02/04/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.67	NA	NA	NA	NA
S-7	06/03/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.67	NA	NA	NA	NA
S-7	09/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	328.67	16.65	312.02	NA	NA
S-7	12/09/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	328.67	NA	NA	NA	NA
S-7	09/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	328.67	16.83	311.84	NA	NA
S-7	06/21/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.67	15.88	312.79	NA	NA
S-7	06/12/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	328.67	16.22	312.45	NA	NA
S-7	06/25/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	328.67	16.12	312.55	NA	3
S-7	06/19/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	328.67	14.81	313.86	NA	2.6
S-7	06/17/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	328.67	15.91	312.76	NA	5.1
S-7	06/15/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	7.32	NA	NA	NA	NA	NA	NA	NA	328.67	16.14	312.53	NA	2.0
S-7	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	328.67	16.89	311.78	NA	3.6
S-7	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	328.67	16.55	312.12	NA	2.1
S-7	06/18/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	2.5	NA	NA	NA	NA	NA	NA	328.67	16.30	312.37	NA	NA
S-7	09/17/2001 c	150	NA	<0.50	55	<0.50	<0.50	NA	8,300	NA	NA	NA	NA	NA	NA	328.67	14.23	314.44	NA	NA
S-7	12/31/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	328.67	16.28	312.39	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**3790 Hopyard Road**  
**Pleasanton, 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-7	03/13/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	5.9	NA	NA	NA	NA	NA	NA	328.67	17.41	311.26	NA	NA
S-7	06/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	12	NA	NA	NA	NA	NA	NA	328.67	17.63	311.04	NA	NA
S-7	09/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	10	NA	NA	NA	NA	NA	NA	328.41	16.96	311.45	NA	NA
S-7	12/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	22	<2.0	<2.0	<2.0	<50	NA	4.1	328.41	16.00	312.41	NA	NA
S-7	03/24/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	21	NA	NA	NA	NA	NA	NA	328.41	17.12	311.29	NA	NA
S-7	05/09/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	31	NA	NA	NA	7.3	NA	NA	328.41	16.14	312.27	NA	NA
S-7	07/08/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	36	NA	NA	NA	6.5	NA	NA	328.41	17.42	310.99	NA	NA
S-7	10/15/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	100	NA	NA	NA	<5.0	NA	NA	328.41	15.49	312.92	NA	NA
S-7	01/06/2004	<100	NA	<1.0	<1.0	<1.0	<2.0	NA	200	NA	NA	NA	20	NA	NA	328.41	18.93	309.48	NA	NA
S-7	04/07/2004	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	380	NA	NA	NA	130	NA	NA	328.41	18.93	309.48	NA	NA
S-7	07/27/2004	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	240	<10	<10	<10	45	<250	NA	328.41	18.91	309.50	NA	NA

S-8	03/07/1989	<50	NA	1.2	1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-8	06/26/1989	<50	NA	0.8	1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-8	09/08/1989	<50	NA	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-8	12/14/1989	<50	NA	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-8	03/05/1990	<50	NA	<0.5	0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-8	06/14/1990	<50	NA	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-8	10/02/1990	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-8	12/18/1990	<50	NA	2.9	7.0	1.0	6.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-8	03/20/1991	<50a	NA	0.8	1.8	2.6	5.2	NA	NA	NA	NA	NA	NA	NA	NA	327.00	NA	NA	NA	NA
S-8	06/26/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.00	NA	NA	NA	NA
S-8	09/05/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.00	NA	NA	NA	NA
S-8	12/13/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.00	15.73	311.27	NA	NA
S-8	03/11/1992	<30	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	327.00	14.64	312.36	NA	NA
S-8	06/24/1992	<50	NA	1.4	1.9	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.00	15.77	311.23	NA	NA
S-8	09/17/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.00	15.37	311.63	NA	NA
S-8	12/11/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.00	14.94	312.06	NA	NA
S-8	02/04/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.00	NA	NA	NA	NA
S-8	06/03/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.00	NA	NA	NA	NA
S-8	09/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	327.00	14.91	312.09	NA	NA
S-8	12/09/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	327.00	NA	NA	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
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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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-8	09/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	327.00	15.16	313.08	NA	NA
S-8	06/21/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.00	14.11	312.89	NA	NA
S-8	06/12/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	327.00	14.20	312.80	NA	NA
S-8	06/25/1997	170	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	327.00	14.42	312.58	NA	0.5
S-8	06/19/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	327.00	13.49	313.51	NA	2.2
S-8	06/17/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	327.00	14.07	312.93	NA	0.9
S-8	06/15/2000	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	327.00	NA	NA	NA	NA
S-8	06/21/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	21.0	NA	NA	NA	NA	NA	NA	NA	327.00	14.43	312.57	NA	NA
S-8	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	9.46	NA	NA	NA	NA	NA	NA	NA	327.00	14.44	312.56	NA	2.2
S-8	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	4.21	NA	NA	NA	NA	NA	NA	NA	327.00	13.69	313.31	NA	2.1
S-8	06/18/2001	<50	NA	0.55	0.92	<0.50	0.51	NA	13	NA	NA	NA	NA	NA	NA	327.00	14.60	312.40	NA	NA
S-8	09/17/2001	Unable to sample		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	327.00	15.07	311.93	NA	NA
S-8	09/18/2001	Unable to sample		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	327.00	NA	NA	NA	NA
S-8	12/31/2001	<50	NA	1.1	1.4	<0.50	<0.50	NA	8.4	NA	NA	NA	NA	NA	NA	327.00	14.02	312.98	NA	NA
S-8	03/13/2002	Unable to sample		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	327.00	14.92	312.08	NA	NA
S-8	06/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	19	NA	NA	NA	NA	NA	NA	327.00	15.37	311.63	NA	NA
S-8	09/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	19	NA	NA	NA	NA	NA	NA	326.14	14.60	311.54	NA	NA
S-8	12/27/2002	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.14	NA	NA	NA	NA
S-8	01/07/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.14	NA	NA	NA	NA
S-8	03/24/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	25	NA	NA	NA	NA	NA	NA	326.14	14.58	311.56	NA	NA
S-8	05/09/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	24	NA	NA	NA	<5.0	NA	NA	326.14	13.45	312.69	NA	NA
S-8	07/08/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	46	NA	NA	NA	<5.0	NA	NA	326.14	15.19	310.95	NA	NA
S-8	10/15/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	42	NA	NA	NA	<5.0	NA	NA	326.14	16.58	309.56	NA	NA
S-8	01/06/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	50	NA	NA	NA	<5.0	NA	NA	326.14	16.27	309.87	NA	NA
S-8	04/07/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	33	NA	NA	NA	<5.0	NA	NA	326.14	16.12	310.02	NA	NA
S-8	07/27/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	18	<2.0	<2.0	<2.0	<5.0	<50	NA	326.14	16.26	309.88	NA	NA
S-9	03/07/1989	<50	NA	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	06/26/1989	<50	NA	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	09/08/1989	<50	NA	1.7	2	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	12/15/1989	<50	NA	0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	03/06/1990	<50	NA	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-9	06/14/1990	<50	NA	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	10/02/1990	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	12/18/1990	<50	NA	20	27	7.1	35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	03/07/1989	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	06/26/1989	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	09/08/1989	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	12/15/1989	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	03/06/1990	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	06/14/1990	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	12/02/1990	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	12/18/1990	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	03/20/1991	70a	NA	0.7	0.7	<0.5	1	NA	NA	NA	NA	NA	NA	NA	NA	328.24	NA	NA	NA	NA
S-9	06/26/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.24	NA	NA	NA	NA
S-9	09/05/1991	<50	NA	<0.5	0.8	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.24	NA	NA	NA	NA
S-9	12/13/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.24	18.18	310.06	NA	NA
S-9	03/11/1992	<30	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	328.24	17.37	310.87	NA	NA
S-9	06/24/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.24	18.45	309.79	NA	NA
S-9	09/17/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.24	17.88	310.36	NA	NA
S-9	12/11/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.24	17.34	310.90	NA	NA
S-9	02/04/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.24	NA	NA	NA	NA
S-9	06/03/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.24	NA	NA	NA	NA
S-9	09/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	328.24	17.42	310.82	NA	NA
S-9	12/09/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.24	16.89	311.35	NA	NA
S-9	03/04/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.24	17.22	311.02	NA	NA
S-9	06/16/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.24	17.46	310.78	NA	NA
S-9	09/13/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.24	17.59	310.65	NA	NA
S-9	06/21/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.24	17.03	311.21	NA	NA
S-9	06/12/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	328.24	16.76	311.48	NA	NA
S-9	06/25/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	2.8	NA	NA	NA	NA	NA	NA	NA	328.24	16.89	311.35	NA	1
S-9	06/19/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	7.1	NA	NA	NA	NA	NA	NA	NA	328.24	15.59	312.65	NA	3.8
S-9	06/17/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	15.3	NA	NA	NA	NA	NA	NA	NA	328.24	16.47	311.77	NA	1.9
S-9	06/15/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	57.2	NA	NA	NA	NA	NA	NA	NA	328.24	16.11	312.13	NA	1.1

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**3790 Hopyard Road**  
**Pleasanton, 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-9	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	76.5	NA	NA	NA	NA	NA	NA	NA	328.24	17.30	310.94	NA	1.1
S-9	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	84.9	NA	NA	NA	NA	NA	NA	NA	328.24	19.42	308.82	NA	1.1
S-9	06/18/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	86	NA	NA	NA	NA	NA	NA	328.24	17.22	311.02	NA	NA
S-9	09/17/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	130	NA	NA	NA	NA	NA	NA	328.24	17.66	310.58	NA	NA
S-9	12/31/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	120	NA	NA	NA	NA	NA	NA	328.24	17.65	310.59	NA	NA
S-9	03/13/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	130	NA	NA	NA	NA	NA	NA	328.24	17.75	310.49	NA	NA
S-9	06/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	160	NA	NA	NA	NA	NA	NA	328.24	19.59	308.65	NA	NA
S-9	09/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	180	NA	NA	NA	NA	NA	NA	327.85	17.65	310.20	NA	NA
S-9	12/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	180	<2.0	<2.0	<2.0	<50	NA	2.8	327.85	18.45	309.40	NA	NA
S-9	03/24/2003	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	230	NA	NA	NA	NA	NA	NA	327.85	17.97	309.88	NA	NA
S-9	05/09/2003	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	240	NA	NA	NA	<25	NA	NA	327.85	17.68	310.17	NA	NA
S-9	07/08/2003	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	250	NA	NA	NA	<25	NA	NA	327.85	17.65	310.20	NA	NA
S-9	10/15/2003	<100	NA	<1.0	<1.0	<1.0	<2.0	NA	210	NA	NA	NA	<10	NA	NA	327.85	19.49	308.36	NA	NA
S-9	01/06/2004	<100	NA	<1.0	<1.0	<1.0	<2.0	NA	290	NA	NA	NA	<10	NA	NA	327.85	20.51	307.34	NA	NA
S-9	04/07/2004	<100	NA	<1.0	<1.0	<1.0	<2.0	NA	250	NA	NA	NA	<10	NA	NA	327.85	20.02	307.83	NA	NA
S-9	07/27/2004	<250	NA	<2.5	9.1	2.7	9.8	NA	270	<10	<10	<10	<25	<250	NA	327.85	19.89	307.96	NA	NA
S-10	08/11/1989	<50	NA	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-10	09/08/1989	<50	NA	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-10	12/15/1989	<50	NA	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-10	03/06/1990	<50	NA	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-10	06/14/1990	<50	NA	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-10	10/02/1990	<50	NA	<0.5	<0.5	<0.5	1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-10	12/18/1990	<50	NA	<0.5	<0.5	<0.5	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-10	03/20/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	326.55	NA	NA	NA	NA
S-10	06/26/1991	50	NA	1.8	5.8	1.9	13	NA	NA	NA	NA	NA	NA	NA	NA	326.55	NA	NA	NA	NA
S-10	09/05/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	326.55	NA	NA	NA	NA
S-10	12/13/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	326.55	14.77	311.78	NA	NA
S-10	03/11/1992	<30	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	326.55	14.16	312.39	NA	NA
S-10	06/24/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	326.55	14.83	311.72	NA	NA
S-10	09/17/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	326.55	13.85	312.70	NA	NA
S-10	12/11/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	326.55	13.90	312.65	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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-10	02/04/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	326.55	NA	NA	NA	NA
S-10	06/03/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	326.55	NA	NA	NA	NA
S-10	09/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.55	13.66	312.89	NA	NA
S-10	12/09/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.55	NA	NA	NA	NA
S-10	09/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.55	13.84	312.71	NA	NA
S-10	06/21/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.55	13.08	313.47	NA	NA
S-10	06/12/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	326.55	13.34	313.21	NA	NA
S-10	06/25/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	2.8	NA	NA	NA	NA	NA	NA	NA	326.55	13.28	313.27	NA	2.4
S-10	06/19/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	326.55	12.41	314.14	NA	1.8
S-10	06/17/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	326.55	12.81	313.74	NA	2.0
S-10	06/15/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	326.55	13.27	313.28	NA	2.1
S-10	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	326.55	13.98	312.57	NA	2.4
S-10	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	326.55	13.40	313.15	NA	2.5
S-10	06/18/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	3.7	NA	NA	NA	NA	NA	NA	326.55	13.29	313.26	NA	NA
S-10	09/17/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	326.55	13.61	312.94	NA	NA
S-10	12/31/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	326.55	13.48	313.07	NA	NA
S-10	03/13/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	326.55	14.66	311.89	NA	NA
S-10	06/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	326.55	14.59	311.96	NA	NA
S-10	09/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	325.87	13.21	312.66	NA	NA
S-10	12/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	<2.0	<2.0	<2.0	<50	NA	<2.0	325.87	13.50	312.37	NA	NA
S-10	03/24/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	NA	NA	325.87	16.60	309.27	NA	NA
S-10	05/09/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.7	NA	NA	NA	<5.0	NA	NA	325.87	13.07	312.80	NA	NA
S-10	07/08/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.7	NA	NA	NA	<5.0	NA	NA	325.87	14.10	311.77	NA	NA
S-10	10/15/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.69	NA	NA	NA	<5.0	NA	NA	325.87	14.75	311.12	NA	NA
S-10	01/06/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.51	NA	NA	NA	<5.0	NA	NA	325.87	15.28	310.59	NA	NA
S-10	04/07/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	NA	NA	325.87	15.39	310.48	NA	NA
S-10	07/27/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<50	NA	325.87	15.25	310.62	NA	NA
S-11	09/23/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16.93	NA	NA	NA
S-11	09/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	16.95	NA	NA	NA
S-11	12/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	<2.0	<2.0	<2.0	<50	NA	<2.0	327.48	16.40	311.08	NA	NA
S-11	03/24/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	NA	NA	327.48	17.25	310.23	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
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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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-11	05/09/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.54	NA	NA	NA	<5.0	NA	NA	327.48	16.37	311.11	NA	NA
S-11	07/08/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	NA	NA	327.48	17.17	310.31	NA	NA
S-11	10/15/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	NA	NA	327.48	18.01	309.47	NA	NA
S-11	01/06/2004	<50	NA	<0.50	1.4	<0.50	<1.0	NA	1.1	NA	NA	NA	<5.0	NA	NA	327.48	18.25	309.23	NA	NA
S-11	04/07/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.4	NA	NA	NA	<5.0	NA	NA	327.48	18.48	309.00	NA	NA
S-11	07/27/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	2.3	<2.0	<2.0	<2.0	<5.0	<50	NA	327.48	18.49	308.99	NA	NA
S-12	09/23/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.74	NA	NA	NA
S-12	09/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	17.95	NA	NA	NA
S-12	12/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	<2.0	<2.0	<2.0	<50	NA	<2.0	322.76	16.92	305.84	NA	NA
S-12	03/24/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	NA	NA	322.76	16.53	306.23	NA	NA
S-12	05/09/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.5	NA	NA	NA	<5.0	NA	NA	322.76	17.73	305.03	NA	NA
S-12	07/08/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.2	NA	NA	NA	<5.0	NA	NA	322.76	17.18	305.58	NA	NA
S-12	10/15/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.1	NA	NA	NA	<5.0	NA	NA	322.76	17.54	305.22	NA	NA
S-12	01/06/2004	<50	NA	<0.50	1.1	<0.50	<1.0	NA	1.1	NA	NA	NA	<5.0	NA	NA	322.76	17.45	305.31	NA	NA
S-12	04/07/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.76	NA	NA	NA	<5.0	NA	NA	322.76	16.85	305.91	NA	NA
S-12	07/27/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.65	<2.0	<2.0	<2.0	<5.0	<50	NA	322.76	17.89	304.87	NA	NA
SR-1	10/11/1989	200	NA	100	<1	<10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-1	12/14/1989	500	NA	210	<0.5	16	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-1	03/05/1990	64	NA	20	<0.5	1.5	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-1	06/14/1990	60	NA	17	<0.5	1.9	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-1	10/02/1990	<50	NA	5.0	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-1	12/18/1990	<50	NA	28	5.5	4.5	4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-1	03/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	329.78	16.34	313.44	NA	NA
SR-1	06/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	329.78	16.72	313.06	NA	NA
SR-1	12/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	329.78	15.31	314.47	NA	NA
SR-1	03/11/2002 d	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	329.13	NA	NA	NA	NA
SR-1	09/22/2003 d	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	328.33	NA	NA	NA	NA
SR-1	04/07/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	328.33	30.79	297.54	NA	NA
SR-1	07/27/2004	<500	NA	<5.0	<5.0	<5.0	11	NA	44	<20	<20	<20	3,000	<500	NA	328.33	30.72	297.61	NA	NA
SR-1	08/04/2004	62	NA	<0.50	<0.50	2.6	13	NA	NA	NA	NA	NA	NA	NA	NA	328.33	30.77	297.56	NA	NA



**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**3790 Hopyard Road**  
**Pleasanton, 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
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SR-2	10/11/1989	880	NA	<10	1.0	29	33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-2	12/14/1989	1100	NA	17	<0.5	100	67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-2	03/05/1990	140	NA	3.0	<0.5	12	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-2	06/14/1990	<50	NA	<0.5	<0.5	2.6	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-2	10/02/1990	<50	NA	<0.5	<0.5	0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-2	12/18/1990	<50	NA	1.6	1.4	1.6	2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-2	03/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	328.35	14.39	313.96	NA	NA
SR-2	06/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	328.35	14.48	313.87	NA	NA
SR-2	12/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	328.35	13.62	314.73	NA	NA
SR-2	09/27/2002	<1,000	NA	<10	<10	<10	<10	NA	5,000	NA	NA	NA	NA	NA	NA	327.91	14.20	313.71	NA	NA
SR-2	12/27/2002	<1,000	NA	<10	<10	<10	<10	NA	4,800	<10	<10	<10	1,600	NA	<10	327.91	13.33	314.58	<10	NA
SR-2	03/24/2003	<5,000	NA	<50	<50	<50	<100	NA	10,000	NA	NA	NA	NA	NA	NA	327.91	13.75	314.16	NA	NA
SR-2	05/09/2003	<5,000	NA	<50	<50	80	290	NA	13,000	NA	NA	NA	6,100	NA	NA	327.91	13.40	314.51	NA	NA
SR-2	07/08/2003	<5,000	NA	<50	<50	<50	<100	NA	12,000	NA	NA	NA	4,800	NA	NA	327.31	30.48	296.83	NA	NA
SR-2	10/15/2003	<500	NA	<5.0	<5.0	<5.0	20	NA	1,200	NA	NA	NA	9,800	NA	NA	327.31	15.38	311.93	NA	NA
SR-2	01/06/2004	<1,300	NA	<13	<13	<13	<25	NA	500	NA	NA	NA	17,000	NA	NA	327.31	31.47	295.84	NA	NA
SR-2	04/07/2004	<1,300	NA	<13	<13	<13	<25	NA	280	NA	NA	NA	10,000	NA	NA	327.31	31.54	295.77	NA	NA
SR-2	07/27/2004	<1,300	NA	<13	<13	<13	<25	NA	63	<50	<50	<50	9,500	<1,300	NA	327.31	31.35	295.96	NA	NA

SR-3	12/11/1989	500	NA	92	10	43	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-3	12/14/1989	2,400	NA	310	27	170	340	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-3	03/05/1990	70	NA	15	0.8	5.8	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-3	06/14/1990	470	NA	59	2.3	35	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-3	10/02/1990	1,700	NA	91	6.2	7.0	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-3	12/18/1990	140	NA	10	0.8	7.5	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-3	03/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	329.11	14.66	314.45	NA	NA
SR-3	06/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	329.11	14.96	314.15	NA	NA
SR-3	12/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	329.11	13.60	315.51	NA	NA
SR-3	09/27/2002	<2,500	NA	<25	<25	<25	<25	NA	11,000	NA	NA	NA	NA	NA	NA	328.65	14.75	313.90	NA	NA
SR-3	12/27/2002	<2,000	NA	<20	<20	<20	<20	NA	5,100	<20	<20	<20	4,600	NA	<20	328.65	13.65	315.00	NA	NA
SR-3	03/24/2003	<2,500	NA	<25	<25	<25	<50	NA	3,700	NA	NA	NA	NA	NA	NA	328.65	13.52	315.13	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**3790 Hopyard Road**  
**Pleasanton, 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
SR-3	05/09/2003	<1,000	NA	15	<10	19	48	NA	3,700	NA	NA	NA	8,400	NA	NA	328.65	12.15	316.50	NA	NA
SR-3	07/08/2003	<1,000	NA	<10	<10	<10	<20	NA	2,800	NA	NA	NA	8,300	NA	NA	327.50	30.00	297.50	NA	NA
SR-3	10/15/2003	310	NA	3.2	<2.5	9.1	30	NA	240	NA	NA	NA	3,600	NA	NA	327.50	15.39	312.11	NA	NA
SR-3	01/06/2004	<500	NA	<5.0	<5.0	<5.0	<10	NA	26	NA	NA	NA	3,300	NA	NA	327.50	30.29	297.21	NA	NA
SR-3	04/07/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	4.4	NA	NA	NA	370	NA	NA	327.50	15.49	312.01	NA	NA
SR-3	07/27/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	9.0	<2.0	<2.0	<2.0	390	<50	NA	327.50	15.34	312.16	NA	NA
T-1	06/18/2002	<5,000	NA	<50	<50	<50	<50	NA	20,000	NA	NA	NA	NA	NA	NA	NA	12.31	NA	NA	NA
T-2	09/17/2001	<5,000	NA	<25	<25	<25	<25	NA	29,000	NA	NA	NA	NA	NA	NA	NA	11.48	NA	NA	NA
T-2	12/31/2001	<5,000	NA	<50	<50	<50	<50	NA	31,000	NA	NA	NA	NA	NA	NA	NA	4.96	NA	NA	NA
T-2	03/13/2002	<5,000	NA	<50	<50	<50	<50	NA	48,000	NA	NA	NA	NA	NA	NA	NA	9.76	NA	NA	NA
T-2	06/18/2002	<20,000	NA	<200	<200	<200	<200	NA	100,000	NA	NA	NA	NA	NA	NA	NA	12.58	NA	NA	NA
T-2	09/27/2002	240	NA	0.55	2.8	1.8	2.6	NA	39	NA	NA	NA	NA	NA	NA	NA	8.15	NA	NA	NA
T-2	12/27/2002	2,100	NA	7.8	17	<0.50	11	NA	790	<2.0	<2.0	2.7	1,200	NA	<2.0	NA	6.75	NA	NA	NA
T-2	03/24/2003	550	NA	<2.5	<2.5	<2.5	<5.0	NA	310	NA	NA	NA	NA	NA	NA	NA	11.68	NA	NA	NA
T-2	05/09/2003	220	NA	0.66	0.55	<0.50	1.8	NA	100	NA	NA	NA	92	NA	NA	NA	6.40	NA	NA	NA
T-2	07/08/2003	<500	NA	13	7.4	<5.0	22	NA	990	NA	NA	NA	120	NA	NA	NA	8.16	NA	NA	NA
T-2	10/15/2003	220 e	NA	<0.50	<0.50	<0.50	<1.0	NA	13	NA	NA	NA	23	NA	NA	NA	11.15	NA	NA	NA
T-2	01/06/2004	710	NA	<0.50	<0.50	<0.50	1.2	NA	14	NA	NA	NA	9.2	NA	NA	NA	9.10	NA	NA	NA
T-2	04/07/2004	570 e	NA	5.4	<0.50	<0.50	1.2	NA	5.6	NA	NA	NA	11	NA	NA	NA	10.54	NA	NA	NA
T-2	07/27/2004	270	NA	17	1.2	<0.50	2.0	NA	2.9	<2.0	<2.0	<2.0	7.9	<50	NA	NA	9.89	NA	NA	NA
T-3	06/18/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA
T-4	06/18/2002	<10,000	NA	<100	<100	<100	<200	NA	97,000	NA	NA	NA	NA	NA	NA	NA	13.50	NA	NA	NA
T-4	12/27/2002	550	NA	5.3	16	0.60	39	NA	140	<2.0	<2.0	<2.0	120	NA	<2.0	NA	7.65	NA	NA	NA
T-4	03/24/2003	1,400	NA	<0.50	1.0	1.2	3.6	NA	15	NA	NA	NA	NA	NA	NA	NA	12.88	NA	NA	NA
T-4	05/09/2003	<50	NA	<0.50	<0.50	<0.50	1.6	NA	14	NA	NA	NA	5.2	NA	NA	NA	7.59	NA	NA	NA
T-4	07/08/2003	730	NA	26	8.9	10	19	NA	1,000	NA	NA	NA	150	NA	NA	NA	9.33	NA	NA	NA
T-4	10/15/2003	1,200	NA	15	6.1	2.8	11	NA	310	NA	NA	NA	980	NA	NA	NA	11.80	NA	NA	NA
T-4	01/06/2004	68	NA	1.1	<0.50	<0.50	<1.0	NA	12	NA	NA	NA	<5.0	NA	NA	NA	9.78	NA	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**3790 Hopyard Road**  
**Pleasanton, 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
T-4	04/07/2004	1,600	NA	5.1	0.57	<0.50	2.3	NA	6.1	NA	NA	NA	<5.0	NA	NA	NA	11.15	NA	NA	NA
T-4	07/27/2004	590	NA	5.3	0.83	0.52	2.2	NA	4.8	<2.0	<2.0	<2.0	7.5	<50	NA	NA	10.93	NA	NA	NA
C-1	05/09/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	331.33	28.50	302.83	NA	NA
C-1	07/08/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	331.33	28.50	302.83	NA	NA
C-1	10/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	331.33	28.52	302.81	NA	NA
C-1	01/06/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	331.33	28.21	303.12	NA	NA
C-1	04/07/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	331.33	28.54	302.79	NA	NA
C-1	07/27/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	331.33	28.58	302.75	NA	NA

Abbreviations:

TEPH = Total petroleum hydrocarbons as diesel.

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to June 18, 2001, analyzed by EPA Method 8015.

BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to June 18, 2001, analyzed by EPA Method 8020.

MTBE = Methyl tertiary butyl ether

DIPE = Di-Isopropyl ether

ETBE = Ethyl tertiary butyl ether

TAME = Tertiary amyl methyl ether

TBA = Tertiary butyl alcohol

1,2-DCA = 1,2-Dichloroethane

TOB = Top of Wellbox Elevation

TOC = Top of Casing Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

DO = Dissolved Oxygen

ppm = Parts per million

ug/L = Parts per billion

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

(D) = Duplicate sample

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**3790 Hopyard Road**  
**Pleasanton, 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
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Notes:

a = Compounds detected within the chromatographic range of gasoline but not characteristic of the standard gasoline pattern.

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

c = Samples for wells S-6 and S-7 may have been switched.

d = Survey date only.

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

Corrected groundwater elevation when SPH is present = Top of Casing Elevation - Depth to Water + (0.8 x Hydrocarbon Thickness).

Well T-2 is a backfill well.

Beginning September 23, 2002 depth to water referenced to Top of Casing.

All wells except S-11, S-12, and T-1 through T-4 surveyed March 11, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

Survey data for wells S-11 and S-12 provided by Cambria Environmental Technology, Inc.

C-1 surveyed March 18, 2003 by Virgil Chavez Land Surveying of Vallejo, CA.

Wells SR-1, SR-2, and SR-3 surveyed September 22, 2003 by Virgil Chavez Land Surveying of Vallejo, CA.

**Blaine Tech Services, Inc.**

August 02, 2004

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Attn.: Leon Gearhart  
Project#: 040727-MD1  
Project: 98995842  
Site: 3790 Hopyard Rd., Pleasanton

Dear Mr. Gearhart,

Attached is our report for your samples received on 07/28/2004 15:10

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 09/11/2004 unless you have requested otherwise.

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

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

Sincerely,



Melissa Brewer  
Project Manager

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 040727-MD1

98995842

Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SR-1	07/27/2004 13:25	Water	15
S-5	07/27/2004 15:30	Water	16

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

08/02/2004 15:11

## 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: 040727-MD1

98995842

Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: SR-1	Lab ID: 2004-07-0823 - 15
Sampled: 07/27/2004 13:25	Extracted: 8/2/2004 14:11
Matrix: Water	QC Batch#: 2004/08/02-1A.65
Analysis Flag: 0 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	500	ug/L	10.00	08/02/2004 14:11	
Benzene	ND	5.0	ug/L	10.00	08/02/2004 14:11	
Toluene	ND	5.0	ug/L	10.00	08/02/2004 14:11	
Ethylbenzene	ND	5.0	ug/L	10.00	08/02/2004 14:11	
Total xylenes	11	10	ug/L	10.00	08/02/2004 14:11	
tert-Butyl alcohol (TBA)	3000	50	ug/L	10.00	08/02/2004 14:11	
Methyl tert-butyl ether (MTBE)	44	5.0	ug/L	10.00	08/02/2004 14:11	
Di-isopropyl Ether (DIPE)	ND	20	ug/L	10.00	08/02/2004 14:11	
Ethyl tert-butyl ether (ETBE)	ND	20	ug/L	10.00	08/02/2004 14:11	
tert-Amyl methyl ether (TAME)	ND	20	ug/L	10.00	08/02/2004 14:11	
Ethanol	ND	500	ug/L	10.00	08/02/2004 14:11	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	103.7	76-130	%	10.00	08/02/2004 14:11	
Toluene-d8	109.3	78-115	%	10.00	08/02/2004 14:11	

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

08/02/2004 15:11

**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: 040727-MD1  
98995842

Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: S-5	Lab ID: 2004-07-0823 - 16
Sampled: 07/27/2004 15:30	Extracted: 8/2/2004 14:33
Matrix: Water	QC Batch#: 2004/08/02-1A.65
Analysis Flag: o (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	9900	2500	ug/L	50.00	08/02/2004 14:33	
Benzene	46	25	ug/L	50.00	08/02/2004 14:33	
Toluene	ND	25	ug/L	50.00	08/02/2004 14:33	
Ethylbenzene	74	25	ug/L	50.00	08/02/2004 14:33	
Total xylenes	ND	50	ug/L	50.00	08/02/2004 14:33	
tert-Butyl alcohol (TBA)	ND	250	ug/L	50.00	08/02/2004 14:33	
Methyl tert-butyl ether (MTBE)	43	25	ug/L	50.00	08/02/2004 14:33	
Di-isopropyl Ether (DIPE)	ND	100	ug/L	50.00	08/02/2004 14:33	
Ethyl tert-butyl ether (ETBE)	ND	100	ug/L	50.00	08/02/2004 14:33	
tert-Amyl methyl ether (TAME)	ND	100	ug/L	50.00	08/02/2004 14:33	
Ethanol	ND	2500	ug/L	50.00	08/02/2004 14:33	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	103.0	76-130	%	50.00	08/02/2004 14:33	
Toluene-d8	96.2	78-115	%	50.00	08/02/2004 14:33	



**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: 040727-MD1

98995842

Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 5030B				Test(s): 8260B	
Method Blank		Water		QC Batch # 2004/08/02-1A.65	
MB: 2004/08/02-1A.65-000				Date Extracted: 08/02/2004 10:00	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/02/2004 10:00	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	08/02/2004 10:00	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/02/2004 10:00	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	08/02/2004 10:00	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	08/02/2004 10:00	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	08/02/2004 10:00	
Benzene	ND	0.5	ug/L	08/02/2004 10:00	
Toluene	ND	0.5	ug/L	08/02/2004 10:00	
Ethylbenzene	ND	0.5	ug/L	08/02/2004 10:00	
Total xylenes	ND	1.0	ug/L	08/02/2004 10:00	
Ethanol	ND	50	ug/L	08/02/2004 10:00	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	99.4	76-130	%	08/02/2004 10:00	
Toluene-d8	98.2	78-115	%	08/02/2004 10:00	

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08/02/2004 15:11

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 040727-MD1  
98995842

Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report									
Prep(s): 5030B					Test(s): 8260B				
Laboratory Control Spike			Water			QC Batch # 2004/08/02-1A.65			
LCS	2004/08/02-1A.65-026		Extracted: 08/02/2004			Analyzed: 08/02/2004 10:26			
LCSD	2004/08/02-1A.65-037		Extracted: 08/02/2004			Analyzed: 08/02/2004 09:37			

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	24.0	27.2	25	96.0	108.8	12.5	65-165	20		
Benzene	25.5	24.3	25	102.0	97.2	4.8	69-129	20		
Toluene	26.2	25.3	25	104.8	101.2	3.5	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	452	480	500	90.4	96.0		76-130			
Toluene-d8	467	423	500	93.4	84.6		78-115			

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

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Project: 040727-MD1

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Legend and Notes

**Analysis Flag**

o

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

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

Blaine Tech Services, Inc.

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Project: 040727-MD1  
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Site: 3790 Hopyard Rd., Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
S-2	07/27/2004 14:00	Water	1
S-3	07/27/2004 11:15	Water	2
S-4	07/27/2004 14:20	Water	3
S-6	07/27/2004 09:55	Water	4
S-7	07/27/2004 09:50	Water	5
S-8	07/27/2004 13:50	Water	6
S-9	07/27/2004 07:55	Water	7
S-10	07/27/2004 09:25	Water	8
S-11	07/27/2004 09:15	Water	9
S-12	07/27/2004 08:08	Water	10
T-2	07/27/2004 12:25	Water	11
T-4	07/27/2004 12:45	Water	12
SR-2	07/27/2004 13:35	Water	13
SR-3	07/27/2004 14:15	Water	14
SR-1	07/27/2004 13:25	Water	15
S-5	07/27/2004 15:30	Water	16

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

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Project: 040727-MD1

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Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: S-2	Lab ID: 2004-07-0823 - 1
Sampled: 07/27/2004 14:00	Extracted: 8/5/2004 16:39
Matrix: Water	QC Batch#: 2004/08/05-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	62	50	ug/L	1.00	08/05/2004 16:39	
Benzene	1.5	0.50	ug/L	1.00	08/05/2004 16:39	
Toluene	ND	0.50	ug/L	1.00	08/05/2004 16:39	
Ethylbenzene	ND	0.50	ug/L	1.00	08/05/2004 16:39	
Total xylenes	ND	1.0	ug/L	1.00	08/05/2004 16:39	
tert-Butyl alcohol (TBA)	550	5.0	ug/L	1.00	08/05/2004 16:39	
Methyl tert-butyl ether (MTBE)	16	0.50	ug/L	1.00	08/05/2004 16:39	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	08/05/2004 16:39	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	08/05/2004 16:39	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/05/2004 16:39	
Ethanol	ND	50	ug/L	1.00	08/05/2004 16:39	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	106.7	76-130	%	1.00	08/05/2004 16:39	
Toluene-d8	101.4	78-115	%	1.00	08/05/2004 16:39	

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

Blaine Tech Services, Inc.

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Project: 040727-MD1  
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Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: S-3	Lab ID: 2004-07-0823 - 2
Sampled: 07/27/2004 11:15	Extracted: 8/5/2004 01:46
Matrix: Water	QC Batch#: 2004/08/04-02.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/05/2004 01:46	
Benzene	ND	0.50	ug/L	1.00	08/05/2004 01:46	
Toluene	ND	0.50	ug/L	1.00	08/05/2004 01:46	
Ethylbenzene	ND	0.50	ug/L	1.00	08/05/2004 01:46	
Total xylenes	ND	1.0	ug/L	1.00	08/05/2004 01:46	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/05/2004 01:46	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/05/2004 01:46	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	08/05/2004 01:46	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	08/05/2004 01:46	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/05/2004 01:46	
Ethanol	ND	50	ug/L	1.00	08/05/2004 01:46	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	91.1	76-130	%	1.00	08/05/2004 01:46	
Toluene-d8	104.4	78-115	%	1.00	08/05/2004 01:46	

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

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Project: 040727-MD1  
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Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: S-4	Lab ID: 2004-07-0823 - 3
Sampled: 07/27/2004 14:20	Extracted: 8/5/2004 02:09
Matrix: Water	QC Batch#: 2004/08/04-02.66
Analysis Flag: o ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/L	20.00	08/05/2004 02:09	
Benzene	ND	10	ug/L	20.00	08/05/2004 02:09	
Toluene	ND	10	ug/L	20.00	08/05/2004 02:09	
Ethylbenzene	ND	10	ug/L	20.00	08/05/2004 02:09	
Total xylenes	ND	20	ug/L	20.00	08/05/2004 02:09	
tert-Butyl alcohol (TBA)	10000	100	ug/L	20.00	08/05/2004 02:09	
Methyl tert-butyl ether (MTBE)	ND	10	ug/L	20.00	08/05/2004 02:09	
Di-isopropyl Ether (DIPE)	ND	40	ug/L	20.00	08/05/2004 02:09	
Ethyl tert-butyl ether (ETBE)	ND	40	ug/L	20.00	08/05/2004 02:09	
tert-Amyl methyl ether (TAME)	ND	40	ug/L	20.00	08/05/2004 02:09	
Ethanol	ND	1000	ug/L	20.00	08/05/2004 02:09	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	102.1	76-130	%	20.00	08/05/2004 02:09	
Toluene-d8	97.0	78-115	%	20.00	08/05/2004 02:09	

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

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Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: S-6	Lab ID: 2004-07-0823 - 4
Sampled: 07/27/2004 09:55	Extracted: 8/5/2004 02:31
Matrix: Water	QC Batch#: 2004/08/04-02.66
Analysis Flag: o ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	860	500	ug/L	10.00	08/05/2004 02:31	g
Benzene	ND	5.0	ug/L	10.00	08/05/2004 02:31	
Toluene	ND	5.0	ug/L	10.00	08/05/2004 02:31	
Ethylbenzene	ND	5.0	ug/L	10.00	08/05/2004 02:31	
Total xylenes	ND	10	ug/L	10.00	08/05/2004 02:31	
tert-Butyl alcohol (TBA)	5700	50	ug/L	10.00	08/05/2004 02:31	
Methyl tert-butyl ether (MTBE)	30	5.0	ug/L	10.00	08/05/2004 02:31	
Di-isopropyl Ether (DIPE)	ND	20	ug/L	10.00	08/05/2004 02:31	
Ethyl tert-butyl ether (ETBE)	ND	20	ug/L	10.00	08/05/2004 02:31	
tert-Amyl methyl ether (TAME)	ND	20	ug/L	10.00	08/05/2004 02:31	
Ethanol	ND	500	ug/L	10.00	08/05/2004 02:31	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	106.9	76-130	%	10.00	08/05/2004 02:31	
Toluene-d8	100.5	78-115	%	10.00	08/05/2004 02:31	



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

Blaine Tech Services, Inc.

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Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: S-7	Lab ID: 2004-07-0823 - 5
Sampled: 07/27/2004 09:50	Extracted: 8/5/2004 02:54
Matrix: Water	QC Batch#: 2004/08/04-02.68
Analysis Flag: 0 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	250	ug/L	5.00	08/05/2004 02:54	
Benzene	ND	2.5	ug/L	5.00	08/05/2004 02:54	
Toluene	ND	2.5	ug/L	5.00	08/05/2004 02:54	
Ethylbenzene	ND	2.5	ug/L	5.00	08/05/2004 02:54	
Total xylenes	ND	5.0	ug/L	5.00	08/05/2004 02:54	
tert-Butyl alcohol (TBA)	45	25	ug/L	5.00	08/05/2004 02:54	
Methyl tert-butyl ether (MTBE)	240	2.5	ug/L	5.00	08/05/2004 02:54	
Di-isopropyl Ether (DIPE)	ND	10	ug/L	5.00	08/05/2004 02:54	
Ethyl tert-butyl ether (ETBE)	ND	10	ug/L	5.00	08/05/2004 02:54	
tert-Amyl methyl ether (TAME)	ND	10	ug/L	5.00	08/05/2004 02:54	
Ethanol	ND	250	ug/L	5.00	08/05/2004 02:54	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	109.6	76-130	%	5.00	08/05/2004 02:54	
Toluene-d8	102.8	78-115	%	5.00	08/05/2004 02:54	

Severn Trent Laboratories, Inc.

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

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Project: 040727-MD1

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Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	S-8	Lab ID:	2004-07-0823 - 6
Sampled:	07/27/2004 13:50	Extracted:	8/5/2004 03:17
Matrix:	Water	QC Batch#:	2004/08/04-02.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/05/2004 03:17	
Benzene	ND	0.50	ug/L	1.00	08/05/2004 03:17	
Toluene	ND	0.50	ug/L	1.00	08/05/2004 03:17	
Ethylbenzene	ND	0.50	ug/L	1.00	08/05/2004 03:17	
Total xylenes	ND	1.0	ug/L	1.00	08/05/2004 03:17	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/05/2004 03:17	
Methyl tert-butyl ether (MTBE)	18	0.50	ug/L	1.00	08/05/2004 03:17	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	08/05/2004 03:17	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	08/05/2004 03:17	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/05/2004 03:17	
Ethanol	ND	50	ug/L	1.00	08/05/2004 03:17	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	93.5	76-130	%	1.00	08/05/2004 03:17	
Toluene-d8	99.9	78-115	%	1.00	08/05/2004 03:17	

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

Blaine Tech Services, Inc.

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Project: 040727-MD1

98995842

Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: S-9	Lab ID: 2004-07-0823 - 7
Sampled: 07/27/2004 07:55	Extracted: 8/6/2004 19:55
Matrix: Water	QC Batch#: 2004/08/06-2C.64
Analysis Flag: o ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	250	ug/L	5.00	08/06/2004 19:55	
Benzene	ND	2.5	ug/L	5.00	08/06/2004 19:55	
Toluene	9.1	2.5	ug/L	5.00	08/06/2004 19:55	
Ethylbenzene	2.7	2.5	ug/L	5.00	08/06/2004 19:55	
Total xylenes	9.8	5.0	ug/L	5.00	08/06/2004 19:55	
tert-Butyl alcohol (TBA)	ND	25	ug/L	5.00	08/06/2004 19:55	
Methyl tert-butyl ether (MTBE)	270	2.5	ug/L	5.00	08/06/2004 19:55	
Di-isopropyl Ether (DIPE)	ND	10	ug/L	5.00	08/06/2004 19:55	
Ethyl tert-butyl ether (ETBE)	ND	10	ug/L	5.00	08/06/2004 19:55	
tert-Amyl methyl ether (TAME)	ND	10	ug/L	5.00	08/06/2004 19:55	
Ethanol	ND	250	ug/L	5.00	08/06/2004 19:55	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	112.0	76-130	%	5.00	08/06/2004 19:55	
Toluene-d8	106.6	78-115	%	5.00	08/06/2004 19:55	

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

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Project: 040727-MD1  
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Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	S-10	Lab ID:	2004-07-0823 - 8
Sampled:	07/27/2004 09:25	Extracted:	8/5/2004 08:40
Matrix:	Water	QC Batch#:	2004/08/05-1A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/05/2004 08:40	
Benzene	ND	0.50	ug/L	1.00	08/05/2004 08:40	
Toluene	ND	0.50	ug/L	1.00	08/05/2004 08:40	
Ethylbenzene	ND	0.50	ug/L	1.00	08/05/2004 08:40	
Total xylenes	ND	1.0	ug/L	1.00	08/05/2004 08:40	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/05/2004 08:40	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/05/2004 08:40	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	08/05/2004 08:40	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	08/05/2004 08:40	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/05/2004 08:40	
Ethanol	ND	50	ug/L	1.00	08/05/2004 08:40	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	95.3	76-130	%	1.00	08/05/2004 08:40	
Toluene-d8	101.5	78-115	%	1.00	08/05/2004 08:40	

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

Blaine Tech Services, Inc.

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Project: 040727-MD1

98995842

Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: S-11	Lab ID: 2004-07-0823 - 9
Sampled: 07/27/2004 09:15	Extracted: 8/5/2004 09:03
Matrix: Water	QC Batch#: 2004/08/05-1A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/05/2004 09:03	
Benzene	ND	0.50	ug/L	1.00	08/05/2004 09:03	
Toluene	ND	0.50	ug/L	1.00	08/05/2004 09:03	
Ethylbenzene	ND	0.50	ug/L	1.00	08/05/2004 09:03	
Total xylenes	ND	1.0	ug/L	1.00	08/05/2004 09:03	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/05/2004 09:03	
Methyl tert-butyl ether (MTBE)	2.3	0.50	ug/L	1.00	08/05/2004 09:03	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	08/05/2004 09:03	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	08/05/2004 09:03	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/05/2004 09:03	
Ethanol	ND	50	ug/L	1.00	08/05/2004 09:03	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	86.7	76-130	%	1.00	08/05/2004 09:03	
Toluene-d8	103.3	78-115	%	1.00	08/05/2004 09:03	

**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: 040727-MD1

98995842

Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: S-12	Lab ID: 2004-07-0823 - 10
Sampled: 07/27/2004 08:08	Extracted: 8/5/2004 09:26
Matrix: Water	QC Batch#: 2004/08/05-1A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/05/2004 09:26	
Benzene	ND	0.50	ug/L	1.00	08/05/2004 09:26	
Toluene	ND	0.50	ug/L	1.00	08/05/2004 09:26	
Ethylbenzene	ND	0.50	ug/L	1.00	08/05/2004 09:26	
Total xylenes	ND	1.0	ug/L	1.00	08/05/2004 09:26	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/05/2004 09:26	
Methyl tert-butyl ether (MTBE)	0.65	0.50	ug/L	1.00	08/05/2004 09:26	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	08/05/2004 09:26	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	08/05/2004 09:26	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/05/2004 09:26	
Ethanol	ND	50	ug/L	1.00	08/05/2004 09:26	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	94.4	76-130	%	1.00	08/05/2004 09:26	
Toluene-d8	101.7	78-115	%	1.00	08/05/2004 09:26	

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

Blaine Tech Services, Inc.

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Project: 040727-MD1

98995842

Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	T-2	Lab ID:	2004-07-0823 - 11
Sampled:	07/27/2004 12:25	Extracted:	8/5/2004 09:49
Matrix:	Water	QC Batch#:	2004/08/05-1A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	270	50	ug/L	1.00	08/05/2004 09:49	
Benzene	17	0.50	ug/L	1.00	08/05/2004 09:49	
Toluene	1.2	0.50	ug/L	1.00	08/05/2004 09:49	
Ethylbenzene	ND	0.50	ug/L	1.00	08/05/2004 09:49	
Total xylenes	2.0	1.0	ug/L	1.00	08/05/2004 09:49	
tert-Butyl alcohol (TBA)	7.9	5.0	ug/L	1.00	08/05/2004 09:49	
Methyl tert-butyl ether (MTBE)	2.9	0.50	ug/L	1.00	08/05/2004 09:49	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	08/05/2004 09:49	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	08/05/2004 09:49	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/05/2004 09:49	
Ethanol	ND	50	ug/L	1.00	08/05/2004 09:49	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	99.9	76-130	%	1.00	08/05/2004 09:49	
Toluene-d8	97.0	78-115	%	1.00	08/05/2004 09:49	

Severn Trent Laboratories, Inc.

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08/10/2004 08:34

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

Blaine Tech Services, Inc.

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Project: 040727-MD1

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Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: T-4	Lab ID: 2004-07-0823 - 12
Sampled: 07/27/2004 12:45	Extracted: 8/5/2004 10:12
Matrix: Water	QC Batch#: 2004/08/05-1A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	590	50	ug/L	1.00	08/05/2004 10:12	
Benzene	5.3	0.50	ug/L	1.00	08/05/2004 10:12	
Toluene	0.83	0.50	ug/L	1.00	08/05/2004 10:12	
Ethylbenzene	0.52	0.50	ug/L	1.00	08/05/2004 10:12	
Total xylenes	2.2	1.0	ug/L	1.00	08/05/2004 10:12	
tert-Butyl alcohol (TBA)	7.5	5.0	ug/L	1.00	08/05/2004 10:12	
Methyl tert-butyl ether (MTBE)	4.8	0.50	ug/L	1.00	08/05/2004 10:12	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	08/05/2004 10:12	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	08/05/2004 10:12	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/05/2004 10:12	
Ethanol	ND	50	ug/L	1.00	08/05/2004 10:12	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	96.7	76-130	%	1.00	08/05/2004 10:12	
Toluene-d8	98.2	78-115	%	1.00	08/05/2004 10:12	



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

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Project: 040727-MD1  
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Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: SR-2	Lab ID: 2004-07-0823 - 13
Sampled: 07/27/2004 13:35	Extracted: 8/5/2004 12:06
Matrix: Water	QC Batch#: 2004/08/05-1A.66
Analysis Flag: o ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1300	ug/L	25.00	08/05/2004 12:06	
Benzene	ND	13	ug/L	25.00	08/05/2004 12:06	
Toluene	ND	13	ug/L	25.00	08/05/2004 12:06	
Ethylbenzene	ND	13	ug/L	25.00	08/05/2004 12:06	
Total xylenes	ND	25	ug/L	25.00	08/05/2004 12:06	
tert-Butyl alcohol (TBA)	9500	130	ug/L	25.00	08/05/2004 12:06	
Methyl tert-butyl ether (MTBE)	63	13	ug/L	25.00	08/05/2004 12:06	
Di-isopropyl Ether (DIPE)	ND	50	ug/L	25.00	08/05/2004 12:06	
Ethyl tert-butyl ether (ETBE)	ND	50	ug/L	25.00	08/05/2004 12:06	
tert-Amyl methyl ether (TAME)	ND	50	ug/L	25.00	08/05/2004 12:06	
Ethanol	ND	1300	ug/L	25.00	08/05/2004 12:06	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	103.6	76-130	%	25.00	08/05/2004 12:06	
Toluene-d8	101.2	78-115	%	25.00	08/05/2004 12:06	

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

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Project: 040727-MD1

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Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: SR-3	Lab ID: 2004-07-0823 - 14
Sampled: 07/27/2004 14:15	Extracted: 8/5/2004 12:29
Matrix: Water	QC Batch#: 2004/08/05-1A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/05/2004 12:29	
Benzene	ND	0.50	ug/L	1.00	08/05/2004 12:29	
Toluene	ND	0.50	ug/L	1.00	08/05/2004 12:29	
Ethylbenzene	ND	0.50	ug/L	1.00	08/05/2004 12:29	
Total xylenes	ND	1.0	ug/L	1.00	08/05/2004 12:29	
tert-Butyl alcohol (TBA)	390	5.0	ug/L	1.00	08/05/2004 12:29	
Methyl tert-butyl ether (MTBE)	9.0	0.50	ug/L	1.00	08/05/2004 12:29	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	08/05/2004 12:29	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	08/05/2004 12:29	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/05/2004 12:29	
Ethanol	ND	50	ug/L	1.00	08/05/2004 12:29	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	98.8	76-130	%	1.00	08/05/2004 12:29	
Toluene-d8	101.6	78-115	%	1.00	08/05/2004 12:29	

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

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Project: 040727-MD1

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Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: SR-1	Lab ID: 2004-07-0823 - 15
Sampled: 07/27/2004 13:25	Extracted: 8/2/2004 14:11
Matrix: Water	QC Batch#: 2004/08/02-1A.65
Analysis Flag: o ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	500	ug/L	10.00	08/02/2004 14:11	
Benzene	ND	5.0	ug/L	10.00	08/02/2004 14:11	
Toluene	ND	5.0	ug/L	10.00	08/02/2004 14:11	
Ethylbenzene	ND	5.0	ug/L	10.00	08/02/2004 14:11	
Total xylenes	11	10	ug/L	10.00	08/02/2004 14:11	
tert-Butyl alcohol (TBA)	3000	50	ug/L	10.00	08/02/2004 14:11	
Methyl tert-butyl ether (MTBE)	44	5.0	ug/L	10.00	08/02/2004 14:11	
Di-isopropyl Ether (DIPE)	ND	20	ug/L	10.00	08/02/2004 14:11	
Ethyl tert-butyl ether (ETBE)	ND	20	ug/L	10.00	08/02/2004 14:11	
tert-Amyl methyl ether (TAME)	ND	20	ug/L	10.00	08/02/2004 14:11	
Ethanol	ND	500	ug/L	10.00	08/02/2004 14:11	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	103.7	76-130	%	10.00	08/02/2004 14:11	
Toluene-d8	109.3	78-115	%	10.00	08/02/2004 14:11	

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08/10/2004 08:34

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

Blaine Tech Services, Inc.

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San Jose, CA 95112-1105

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Project: 040727-MD1

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Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: S-5	Lab ID: 2004-07-0823 - 16
Sampled: 07/27/2004 15:30	Extracted: 8/2/2004 14:33
Matrix: Water	QC Batch#: 2004/08/02-1A.65
Analysis Flag: o ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	9900	2500	ug/L	50.00	08/02/2004 14:33	
Benzene	46	25	ug/L	50.00	08/02/2004 14:33	
Toluene	ND	25	ug/L	50.00	08/02/2004 14:33	
Ethylbenzene	74	25	ug/L	50.00	08/02/2004 14:33	
Total xylenes	ND	50	ug/L	50.00	08/02/2004 14:33	
tert-Butyl alcohol (TBA)	ND	250	ug/L	50.00	08/02/2004 14:33	
Methyl tert-butyl ether (MTBE)	43	25	ug/L	50.00	08/02/2004 14:33	
Di-isopropyl Ether (DIPE)	ND	100	ug/L	50.00	08/02/2004 14:33	
Ethyl tert-butyl ether (ETBE)	ND	100	ug/L	50.00	08/02/2004 14:33	
tert-Amyl methyl ether (TAME)	ND	100	ug/L	50.00	08/02/2004 14:33	
Ethanol	ND	2500	ug/L	50.00	08/02/2004 14:33	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	103.0	76-130	%	50.00	08/02/2004 14:33	
Toluene-d8	96.2	78-115	%	50.00	08/02/2004 14:33	

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

Blaine Tech Services, Inc.

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Project: 040727-MD1  
98995842

Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 5030B				Test(s): 8260B	
Method Blank		Water		QC Batch # 2004/08/02-1A.65	
MB: 2004/08/02-1A.65-000				Date Extracted: 08/02/2004 10:00	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/02/2004 10:00	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	08/02/2004 10:00	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/02/2004 10:00	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	08/02/2004 10:00	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	08/02/2004 10:00	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	08/02/2004 10:00	
Benzene	ND	0.5	ug/L	08/02/2004 10:00	
Toluene	ND	0.5	ug/L	08/02/2004 10:00	
Ethylbenzene	ND	0.5	ug/L	08/02/2004 10:00	
Total xylenes	ND	1.0	ug/L	08/02/2004 10:00	
Ethanol	ND	50	ug/L	08/02/2004 10:00	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	99.4	76-130	%	08/02/2004 10:00	
Toluene-d8	98.2	78-115	%	08/02/2004 10:00	

Severn Trent Laboratories, Inc.

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

Blaine Tech Services, Inc.

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Project: 040727-MD1  
98995842

Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 5030B				Test(s): 8260B	
Method Blank		Water		QC Batch # 2004/08/04-02.66	
MB: 2004/08/04-02.66-050				Date Extracted: 08/04/2004 18:50	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/04/2004 18:50	
Benzene	ND	0.5	ug/L	08/04/2004 18:50	
Toluene	ND	0.5	ug/L	08/04/2004 18:50	
Ethylbenzene	ND	0.5	ug/L	08/04/2004 18:50	
Total xylenes	ND	1.0	ug/L	08/04/2004 18:50	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	08/04/2004 18:50	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/04/2004 18:50	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	08/04/2004 18:50	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	08/04/2004 18:50	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	08/04/2004 18:50	
Ethanol	ND	50	ug/L	08/04/2004 18:50	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	96.4	76-130	%	08/04/2004 18:50	
Toluene-d8	99.8	78-115	%	08/04/2004 18:50	

## 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) 573-7771Project: 040727-MD1  
98995842

Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 5030B				Test(s): 8260B	
Method Blank		Water		QC Batch # 2004/08/05-1A.62	
MB: 2004/08/05-1A.62-021				Date Extracted: 08/05/2004 08:21	
Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/05/2004 08:21	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	08/05/2004 08:21	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/05/2004 08:21	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	08/05/2004 08:21	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	08/05/2004 08:21	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	08/05/2004 08:21	
Benzene	ND	0.5	ug/L	08/05/2004 08:21	
Toluene	ND	0.5	ug/L	08/05/2004 08:21	
Ethylbenzene	ND	0.5	ug/L	08/05/2004 08:21	
Total xylenes	ND	1.0	ug/L	08/05/2004 08:21	
Ethanol	ND	50	ug/L	08/05/2004 08:21	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	108.4	76-130	%	08/05/2004 08:21	
Toluene-d8	99.8	78-115	%	08/05/2004 08:21	

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Page 20 of 29

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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Project: 040727-MD1  
98995842

Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 5030B				Test(s): 8260B	
Method Blank		Water		QC Batch # 2004/08/05-1A.66	
MB: 2004/08/05-1A.66-032				Date Extracted: 08/05/2004 07:32	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/05/2004 07:32	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	08/05/2004 07:32	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/05/2004 07:32	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	08/05/2004 07:32	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	08/05/2004 07:32	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	08/05/2004 07:32	
Benzene	ND	0.5	ug/L	08/05/2004 07:32	
Toluene	ND	0.5	ug/L	08/05/2004 07:32	
Ethylbenzene	ND	0.5	ug/L	08/05/2004 07:32	
Total xylenes	ND	1.0	ug/L	08/05/2004 07:32	
Ethanol	ND	50	ug/L	08/05/2004 07:32	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	97.6	76-130	%	08/05/2004 07:32	
Toluene-d8	98.0	78-115	%	08/05/2004 07:32	



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

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98995842

Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 5030B Method Blank MB: 2004/08/06-2C: 64-006			Test(s): 8260B QC Batch # 2004/08/06-2C.64 Date Extracted: 08/06/2004 19:06		
Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/06/2004 19:06	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	08/06/2004 19:06	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/06/2004 19:06	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	08/06/2004 19:06	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	08/06/2004 19:06	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	08/06/2004 19:06	
Benzene	ND	0.5	ug/L	08/06/2004 19:06	
Toluene	ND	0.5	ug/L	08/06/2004 19:06	
Ethylbenzene	ND	0.5	ug/L	08/06/2004 19:06	
Total xylenes	ND	1.0	ug/L	08/06/2004 19:06	
Ethanol	ND	50	ug/L	08/06/2004 19:06	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	101.0	76-130	%	08/06/2004 19:06	
Toluene-d8	103.0	78-115	%	08/06/2004 19:06	

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Page 22 of 29

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

Blaine Tech Services, Inc.

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Project: 040727-MD1  
98995842

Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report										
Prep(s): 5030B						Test(s): 8260B				
Laboratory Control Spike			Water			QC Batch # 2004/08/02-1A.65				
LCS	2004/08/02-1A.65-026		Extracted: 08/02/2004			Analyzed: 08/02/2004 10:26				
LCSD	2004/08/02-1A.65-037		Extracted: 08/02/2004			Analyzed: 08/02/2004 09:37				
Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	24.0	27.2	25	96.0	108.8	12.5	65-165	20		
Benzene	25.5	24.3	25	102.0	97.2	4.8	69-129	20		
Toluene	26.2	25.3	25	104.8	101.2	3.5	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	452	480	500	90.4	96.0		76-130			
Toluene-d8	467	423	500	93.4	84.6		78-115			

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

08/10/2004 08:34

Page 23 of 29

**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: 040727-MD1  
98995842

Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report										
Prep(s): 5030B							Test(s): 8260B			
Laboratory Control Spike				Water			QC Batch # 2004/08/04-02.66			
LCS	2004/08/04-02.66-005		Extracted: 08/04/2004			Analyzed: 08/04/2004 18:05				
LCSD	2004/08/04-02.66-027		Extracted: 08/04/2004			Analyzed: 08/04/2004 18:27				
Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	24.8	24.2	25.0	99.2	96.8	2.4	69-129	20		
Toluene	24.5	23.7	25.0	98.0	94.8	3.3	70-130	20		
Methyl tert-butyl ether (MTBE)	23.6	24.5	25.0	94.4	98.0	3.7	65-165	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	444	441	500	88.8	88.2		76-130			
Toluene-d8	478	493	500	95.6	98.6		78-115			

**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: 040727-MD1

98995842

Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report									
Prep(s): 5030B					Test(s): 8260B				
Laboratory Control Spike			Water			QC Batch # 2004/08/05-1A.62			
LCS	2004/08/05-1A.62-038		Extracted: 08/05/2004			Analyzed: 08/05/2004 07:38			
LCSD	2004/08/05-1A.62-016		Extracted: 08/05/2004			Analyzed: 08/05/2004 07:16			

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	23.5	22.6	25	94.0	90.4	3.9	65-165	20		
Benzene	25.1	24.8	25	100.4	99.2	1.2	69-129	20		
Toluene	26.1	27.2	25	104.4	108.8	4.1	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	484	487	500	96.8	97.4		76-130			
Toluene-d8	485	505	500	97.0	101.0		78-115			

**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: 040727-MD1

98995842

Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report										
Prep(s): 5030B						Test(s): 8260B				
Laboratory Control Spike				Water			QC Batch # 2004/08/05-1A.66			
LCS	2004/08/05-1A.66-046			Extracted: 08/05/2004			Analyzed: 08/05/2004 06:46			
LCSD	2004/08/05-1A.66-009			Extracted: 08/05/2004			Analyzed: 08/05/2004 07:09			
Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	22.6	23.7	25	90.4	94.8	4.8	65-165	20		
Benzene	25.3	24.9	25	101.2	99.6	1.6	69-129	20		
Toluene	25.5	25.1	25	102.0	100.4	1.6	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	451	456	500	90.2	91.2		76-130			
Toluene-d8	505	487	500	101.0	97.4		78-115			

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

08/10/2004 08:34

**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: 040727-MD1  
98995842

Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report									
Prep(s): 5030B					Test(s): 8260B				
Laboratory Control Spike			Water			QC Batch # 2004/08/06-2C.64			
LCS	2004/08/06-2C.64-021		Extracted: 08/06/2004			Analyzed: 08/06/2004 18:21			
LCSD	2004/08/06-2C.64-043		Extracted: 08/06/2004			Analyzed: 08/06/2004 18:43			

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	26.9	27.1	25	107.6	108.4	0.7	65-165	20		
Benzene	24.3	24.0	25	97.2	96.0	1.2	69-129	20		
Toluene	26.8	26.2	25	107.2	104.8	2.3	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	513	511	500	102.6	102.2		76-130			
Toluene-d8	537	529	500	107.4	105.8		78-115			

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: 040727-MD1  
98995842

Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report							
Prep(s):	5030B					Test(s):	8260B
Matrix Spike ( MS / MSD )	Water			QC Batch #			2004/08/05-1A.66
T-4 >> MS					Lab ID:	2004-07-0823 - 012	
MS:	2004/08/05-1A.66-035	Extracted:		08/05/2004	Analyzed:	08/05/2004 10:35	
					Dilution:	1.00	
MSD:	2004/08/05-1A.66-058	Extracted:		08/05/2004	Analyzed:	08/05/2004 10:58	
					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	26.9	31.6	4.8	25	88.4	126.4	35.4	65-165	20		RPD
Benzene	30.7	31.2	5.25	25	101.8	124.8	20.3	69-129	20		RPD
Toluene	26.5	25.2	0.826	25	102.7	100.8	1.9	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	444	470		500	88.8	94.0		76-130			
Toluene-d8	509	495		500	101.8	99.0		78-115			

**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: 040727-MD1

98995842

Received: 07/28/2004 15:10

Site: 3790 Hopyard Rd., Pleasanton

Legend and Notes

**Analysis Flag**

o

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

**Result Flag**

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

rpd

Analyte RPD was out of QC limits due to sample heterogeneity.



LAB: 810

# SHELL Chain Of Custody Record

88186

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be Invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- OILFIELD INDUSTRIES

Karen Petryna

**2004-07-0823**

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 8 4 2

SAP or GRMT NUMBER (S/CRMT)

DATE: 7/27/04

PAGE: 1 of 2

SAMPLING COMPANY: <b>Blaine Tech Services</b>		LDO CODE: <b>BTSS</b>	SITE ADDRESS (Street and City): <b>3790 Hopyard Rd., Pleasanton</b>		GLOBAL EPC: <b>T0600101257</b>
ADDRESS: <b>1880 Rogers Avenue, San Jose, CA 95112</b>			CLIENT/OWNER (To Responsible Party or Designer): <b>Arta Friel</b>	PHONE NO.:( <b>(707) 442-2700</b>	E-MAIL: <b>enomaed@cambria-env.com</b>
PROJECT CONTACT (Inventory or P&E Report to): <b>Leon Gearhart</b>			CORP. CASE PROJECT NO. (if applicable): <b>040127-MA1</b>		BTS #
TELEPHONE: <b>408-573-0555</b>	FAX: <b>408-573-7771</b>	E-MAIL: <b>lgearhart@blainetech.com</b>	SAMPLER NAME(S) (Print): <b>John DeLong, Peter Grush</b>		LAB USE ONLY

TURNAROUND TIME (BUSINESS DAYS):  
 1 DAY  3 DAYS  72 HOURS  48 HOURS  24 HOURS  LESS THAN 24 HOURS

**REQUESTED ANALYSIS**

LA - RWQCB REPORT FORMAT  LIST AGENCY

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

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

S-5 TPH-G, BTEX - 3 Day Turn Around Time  
 SR-1 TPH-G, BTEX - 3 Day Turn Around Time

All other samples and analyses - Standard Turn Around Time.

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

Lab Use Only	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable (2260B)	BTEX (2260B)	MTBE (2261B - 5ppb RL)	MTBE (2260B - 0.5ppb RL)	Oxygenates (S) by (2260B)	Ethanol (2260B)	Methanol	EDB & 1,2-DCA (4260B)	TBA (2260B)	TEMPERATURE ON RECEIPT OF
		DATE	TIME												
	S-2	7/27/04	1400	4	3	X	X	X	X	X	X				30
	S-3		1115		3	X	X			X	X				
	S-4		1420		3	X	X			X	X				
	S-6		0955		3	X	X			X	X				
	S-7		0910		3	X	X			X	X				
	S-8		1350		3	X	X			X	X				
	S-9		0955		3	X	X			X	X				
	S-10		0925		3	X	X			X	X				
	S-11		0715		3	X	X			X	X				
	S-17A		0800		3	X	X			X	X				

**RUSH**

Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: <u>7/28/04</u>	Time: <u>1510</u>
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: <u>7/28/04</u>	Time: <u>1631</u>
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

LAB: SIC

# SHELL Chain Of Custody Record

88186

Lab Identification (if necessary)

Address:

City, State, Zip:

Shell Project Manager to be involved:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CMT HOUSTON

Karen Petryna

## 2004-07-0823

INCIDENT NUMBER (E&E ONLY):

9 8 9 9 5 8 4 2

SAP or GRANT NUMBER (S-CRIMS)

DATE: 7/27/04

PAGE: 2 of 2

SAMPLING COMPANY: <b>Blaine Tech Services</b>		LOG CODE: <b>BTSS</b>	SITE ADDRESS (Street and City): <b>3790 Hopyard Rd., Pleasanton</b>		GLOBAL ID NO.: <b>T0600101257</b>
ADDRESS: <b>1680 Rogers Avenue, San Jose, CA 95112</b>		EDD DELIVERABLE TO (Responsible Party or Designee): <b>Ana Friel</b>		PHONE NO.: <b>(707) 442-2700</b>	EMAIL: <b>economadf@cambria-env.com</b>
PROJECT CONTACT (Hardcopy or PDF Report to): <b>Leon Gaarhart</b>		TELEPHONE: <b>408-573-0555</b>		FAX: <b>408-573-7771</b>	EMAIL: <b>lgaarhart@blainetech.com</b>
TELEPHONE: <b>408-573-0555</b>		FAX: <b>408-573-7771</b>		EMAIL: <b>lgaarhart@blainetech.com</b>	
TELEPHONE: <b>408-573-0555</b>		FAX: <b>408-573-7771</b>		EMAIL: <b>lgaarhart@blainetech.com</b>	

*John DeJong, Peter Fornish*

TURNAROUND TIME (BUSINESS DAYS):  
 10 DAYS  5 DAYS  2 HOURS  48 HOURS  24 HOURS  LESS THAN 24 HOURS

### REQUESTED ANALYSIS

LA - RWQCD REPORT FORMAT  UST AGENCY:

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

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

S-5 TPH-G, BTEX - 3 Day Turn Around Time  
SR-1 TPH-G, BTEX - 3 Day Turn Around Time

All other samples and analyses - Standard Turn Around Time

TPH - Gas, Purgeable (2-2005)	BTEX (2-2005)	MTBE (2-2018 - 5ppb RL)	MTBS (2-2005 - 0.5ppb RL)	Oxygenates (5) by (2-2005)	Ethanol (2-2005)	Methanol	EDB & 1,2-DCA (2-2005)	TBA (2-2005)											
X	X			X	X														
X	X			X	X														
X	X			X	X														
X	X			X	X														
X	X			X	X														
X	X			X	X														

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

TEMPERATURE: 38 RECEIPT #

LAB USE ONLY	Field Sample Identification		SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable (2-2005)	BTEX (2-2005)	MTBE (2-2018 - 5ppb RL)	MTBS (2-2005 - 0.5ppb RL)	Oxygenates (5) by (2-2005)	Ethanol (2-2005)	Methanol	EDB & 1,2-DCA (2-2005)	TBA (2-2005)						
	DATE	TIME																			
	T-2		7/27/04	1225	UW	3	X	X			X	X									
	T-4			1245		3	X	X			X	X									
	SR-2			1325		3	X	X			X	X									
	SR-3			1415		3	X	X			X	X									
	SR-1			1325		3	X	X			X	X									
	S-5			1500		3	X	X			X	X									

see note  
see note

# RUSH

Requested by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: <u>7/28/04</u>	Time: <u>1510</u>
Requested by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: <u>7/28/04</u>	Time: <u>16:31</u>
Requested by: (Signature)	Received by: (Signature)	Date:	Time:

**Blaine Tech Services, Inc.**

August 06, 2004

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Attn.: Leon Gearhart  
Project#: 040804-MD1  
Project: 98995842  
Site: 3790 Hopyard Rd., Pleasanton

Dear Mr. Gearhart,

Attached is our report for your samples received on 08/05/2004 14:17  
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  
09/19/2004 unless you have requested otherwise.

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

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

Sincerely,



Melissa Brewer  
Project Manager

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 040804-MD1  
98995842

Received: 08/05/2004 14:17

Site: 3790 Hopyard Rd., Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
S-5	08/04/2004 12:45	Water	1
SR-1	08/04/2004 12:30	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: 040804-MD1

98995842

Received: 08/05/2004 14:17

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: S-5	Lab ID: 2004-08-0122 - 1
Sampled: 08/04/2004 12:45	Extracted: 8/6/2004 12:05
Matrix: Water	QC Batch#: 2004/08/06-1B.64
Analysis Flag: o ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	22000	1000	ug/L	20.00	08/06/2004 12:05	
Benzene	48	10	ug/L	20.00	08/06/2004 12:05	
Toluene	ND	10	ug/L	20.00	08/06/2004 12:05	
Ethylbenzene	63	10	ug/L	20.00	08/06/2004 12:05	
Total xylenes	38	20	ug/L	20.00	08/06/2004 12:05	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	112.6	76-130	%	20.00	08/06/2004 12:05	
Toluene-d8	102.9	78-115	%	20.00	08/06/2004 12:05	

Sewern 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

08/06/2004 13:24

**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: 040804-MD1

98995842

Received: 08/05/2004 14:17

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SR-1	Lab ID:	2004-08-0122 - 2
Sampled:	08/04/2004 12:30	Extracted:	8/6/2004 11:43
Matrix:	Water	QC Batch#:	2004/08/06-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	62	50	ug/L	1.00	08/06/2004 11:43	
Benzene	ND	0.50	ug/L	1.00	08/06/2004 11:43	
Toluene	ND	0.50	ug/L	1.00	08/06/2004 11:43	
Ethylbenzene	2.6	0.50	ug/L	1.00	08/06/2004 11:43	
Total xylenes	13	1.0	ug/L	1.00	08/06/2004 11:43	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	114.7	76-130	%	1.00	08/06/2004 11:43	
Toluene-d8	102.4	78-115	%	1.00	08/06/2004 11:43	

**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: 040804-MD1  
98995842

Received: 08/05/2004 14:17

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 5030B		Water		Test(s): 8260B	
Method Blank				QC Batch # 2004/08/06-1B.64	
MB: 2004/08/06-1B.64-036				Date Extracted: 08/06/2004 07:36	
Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/06/2004 07:36	
Benzene	ND	0.5	ug/L	08/06/2004 07:36	
Toluene	ND	0.5	ug/L	08/06/2004 07:36	
Ethylbenzene	ND	0.5	ug/L	08/06/2004 07:36	
Total xylenes	ND	1.0	ug/L	08/06/2004 07:36	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	107.8	76-130	%	08/06/2004 07:36	
Toluene-d8	108.8	78-115	%	08/06/2004 07:36	

**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: 040804-MD1  
98995842

Received: 08/05/2004 14:17

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report									
Prep(s): 5030B						Test(s): 8260B			
Laboratory Control Spike				Water		QC Batch # 2004/08/06-1B.64			
LCS	2004/08/06-1B.64-052			Extracted: 08/06/2004		Analyzed: 08/06/2004 06:52			
LCSD	2004/08/06-1B.64-014			Extracted: 08/06/2004		Analyzed: 08/06/2004 07:14			

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	25.3	26.2	25	101.2	104.8	3.5	69-129	20		
Toluene	27.8	28.6	25	111.2	114.4	2.8	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	526	513	500	105.2	102.6		76-130			
Toluene-d8	530	530	500	106.0	106.0		78-115			



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: 040804-MD1

98995842

Received: 08/05/2004 14:17

Site: 3790 Hopyard Rd., Pleasanton

Legend and Notes

Analysis Flag

o

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

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

08/06/2004 13:24

LAB: STC

# SHELL Chain Of Custody Record

88430

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be involved:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT HOUSTON

Karen Petryna

## 2004-08-0122

INCIDENT NUMBER (S&E ONLY):

9 8 9 9 5 8 4 2

S&E or CRMT NUMBER (S/S/CRMT):

DATE: 8/4/04

PAGE: 1 of 1

SAMPLING COMPANY: <b>Blaine Tech Services</b>		LOG CODE: <b>BTSS</b>	SITE ADDRESS (Street and City): <b>3790 Hopyard Rd., Pleasanton</b>		GLOBAL ID NO.: <b>T0600101257</b>
ADDRESS: <b>1680 Rogers Avenue, San Jose, CA 95112</b>		TOP DELIVERABLE TO (Responsible Party or Designee): <b>Ana Friel</b>		PHONE NO.: <b>(707) 442-2700</b>	EMAIL: <b>sonomaedf@cambris-env.com</b>
PROJECT CONTACT (Personality in PDF Reports): <b>Leon Gearhart</b>		SAMPLER NAME (if any): <b>John DeLong</b>		CORRELATION PROJECT NO. / BTS #: <b>090809-MD1</b>	
TELEPHONE: <b>408-573-0555</b>	FAX: <b>408-573-7771</b>	EMAIL: <b>lgearhart@blainetech.com</b>		LAB USE ONLY	

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

### REQUESTED ANALYSIS

LA - RWQCB REPORT FORMAT  UST AGENCY:

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

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

TPH - Gas, Purgeable (8200B)	BTEX (8200B)	MTBE (8021B - 5ppb RL)	MTBE (8200B - 0.5ppb RL)	Oxygenates (9) by (8250B)	Ethanol (8250B)	Methanol	EDB & 1,2-DCA (8280B)	TBA (8260B)
X	X	X	X					
X	X	X	X					

### FIELD NOTES:

Container/Preservative or PID Readings or Laboratory Notes

4°C

TEMPERATURE ON RECEIPT

# RUSH

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.
		DATE	TIME		
	S-5	8/4/04	1243	4	3
	SR-1	↓	1230	4	3

Requested by: Signature <i>[Signature]</i>	Received by: Signature <i>[Signature]</i>	Date: <u>8/5/04</u>	Time: <u>1417</u>
Requested by: Signature <i>[Signature]</i>	Received by: Signature <i>[Signature]</i>	Date: <u>8/5/04</u>	Time: <u>1834</u>
Requested by: Signature <i>[Signature]</i>	Received by: Signature <i>Demise Harrington / STC SF</i>	Date: <u>8/5/04</u>	Time: <u>1834</u>

**Appendix B**  
**GWE System**  
**Certified Analytical Reports**

**Cambria Environmental Emeryville**

July 30, 2004

5900 Hollis Street, Ste. A  
Emeryville, CA 94608

Attn.: Cynthia Vasko

Project#: 245-0497-003

Project: 98995842

Site: 3790 Hopyard Road, Pleasanton

Dear Ms. Vasko:

Attached is our report for your samples received on 07/16/2004 11:30

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

Please note that any unused portion of the samples will be discarded after 08/30/2004 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

**Diesel (C9-C24)**

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003  
98995842

Received: 07/16/2004 11:30

Site: 3790 Hopyard Road, Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
INF	07/16/2004 09:30	Water	1
EFF	07/16/2004 09:15	Water	4

**Diesel (C9-C24)**

Cambria Environmental Emeryville  
Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003  
98995842

Received: 07/16/2004 11:30

Site: 3790 Hopyard Road, Pleasanton

Prep(s): 3511	Test(s): 8015M
Sample ID: INF	Lab ID: 2004-07-0526 - 1
Sampled: 07/16/2004 09:30	Extracted: 7/21/2004 08:07
Matrix: Water	QC Batch#: 2004/07/21-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	07/22/2004 10:42	
<i>Surrogate(s)</i> o-Terphenyl	155.9	78-177	%	1.00	07/22/2004 10:42	

**Diesel (C9-C24)**

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003  
98995842

Received: 07/16/2004 11:30

Site: 3790 Hopyard Road, Pleasanton

Prep(s): 3511	Test(s): 8015M
Sample ID: EFF	Lab ID: 2004-07-0526 - 4
Sampled: 07/16/2004 09:15	Extracted: 7/21/2004 08:07
Matrix: Water	QC Batch#: 2004/07/21-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	07/22/2004 11:09	
<b>Surrogate(s)</b> o-Terphenyl	165.6	78-177	%	1.00	07/22/2004 11:09	

**Diesel (C9-C24)**

Cambria Environmental Emeryville  
Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003  
98995842

Received: 07/16/2004 11:30

Site: 3790 Hopyard Road, Pleasanton

Batch QC Report					
Prep(s): 3511					Test(s): 8015M
Method Blank		Water			QC Batch # 2004/07/21-02.10
MB: 2004/07/21-02.10-001					Date Extracted: 07/21/2004 08:07

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	07/21/2004 15:41	
<b>Surrogates(s)</b> o-Terphenyl	155.2	78-177	%	07/21/2004 15:41	



**Diesel (C9-C24)**

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003

98995842

Received: 07/16/2004 11:30

Site: 3790 Hopyard Road, Pleasanton

Batch QC Report										
Prep(s): 3511					Test(s): 8015M					
Laboratory Control Spike			Water			QC Batch # 2004/07/21-02.10				
LCS	2004/07/21-02.10-002		Extracted: 07/21/2004			Analyzed: 07/21/2004 15:14				
LCSD	2004/07/21-02.10-003		Extracted: 07/21/2004			Analyzed: 07/21/2004 15:14				
Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	445	421	680	65.4	61.9	5.5	60-150	25		
<i>Surrogates(s)</i> o-Terphenyl	1.38	1.50	1.25	110.0	120.3		78-177	0		

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003  
98995842

Received: 07/16/2004 11:30

Site: 3790 Hopyard Road, Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
INF	07/16/2004 09:30	Water	1
MID 1	07/16/2004 09:25	Water	2
MID 2	07/16/2004 09:20	Water	3
EFF	07/16/2004 09:15	Water	4

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003  
98995842

Received: 07/16/2004 11:30

Site: 3790 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: INF	Lab ID: 2004-07-0526 - 1
Sampled: 07/16/2004 09:30	Extracted: 7/28/2004 16:02
Matrix: Water	QC Batch#: 2004/07/28-1C.62
Analysis Flag: Im ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/L	20.00	07/28/2004 16:02	
Benzene	ND	10	ug/L	20.00	07/28/2004 16:02	
Toluene	ND	10	ug/L	20.00	07/28/2004 16:02	
Ethylbenzene	ND	10	ug/L	20.00	07/28/2004 16:02	
Total xylenes	ND	20	ug/L	20.00	07/28/2004 16:02	
Methyl tert-butyl ether (MTBE)	ND	100	ug/L	20.00	07/28/2004 16:02	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	107.0	76-130	%	20.00	07/28/2004 16:02	
Toluene-d8	96.7	78-115	%	20.00	07/28/2004 16:02	

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003  
98995842

Received: 07/16/2004 11:30

Site: 3790 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: MID 1	Lab ID: 2004-07-0526 - 2
Sampled: 07/16/2004 09:25	Extracted: 7/28/2004 16:24
Matrix: Water	QC Batch#: 2004/07/28-1C-62
Analysis Flag: .gs ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	07/28/2004 16:24	
Benzene	ND	0.50	ug/L	1.00	07/28/2004 16:24	
Toluene	ND	0.50	ug/L	1.00	07/28/2004 16:24	
Ethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 16:24	
Total xylenes	ND	1.0	ug/L	1.00	07/28/2004 16:24	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	07/28/2004 16:24	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	115.4	76-130	%	1.00	07/28/2004 16:24	
Toluene-d8	96.9	78-115	%	1.00	07/28/2004 16:24	

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003  
98995842

Received: 07/16/2004 11:30

Site: 3790 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: MID 2	Lab ID: 2004-07-0526 - 3
Sampled: 07/16/2004 09:20	Extracted: 7/28/2004 16:46
Matrix: Water	QC Batch#: 2004/07/28-1C.62
Analysis Flag: .gs ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	07/28/2004 16:46	
Benzene	ND	0.50	ug/L	1.00	07/28/2004 16:46	
Toluene	ND	0.50	ug/L	1.00	07/28/2004 16:46	
Ethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 16:46	
Total xylenes	ND	1.0	ug/L	1.00	07/28/2004 16:46	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	07/28/2004 16:46	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	112.4	76-130	%	1.00	07/28/2004 16:46	
Toluene-d8	99.3	78-115	%	1.00	07/28/2004 16:46	

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003

98995842

Received: 07/16/2004 11:30

Site: 3790 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: EFF	Lab ID: 2004-07-0526 - 4
Sampled: 07/16/2004 09:15	Extracted: 7/28/2004 19:39
Matrix: Water	QC Batch#: 2004/07/28-2D.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	07/28/2004 19:39	
Benzene	ND	0.50	ug/L	1.00	07/28/2004 19:39	
Toluene	ND	0.50	ug/L	1.00	07/28/2004 19:39	
Ethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 19:39	
Total xylenes	ND	1.0	ug/L	1.00	07/28/2004 19:39	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	07/28/2004 19:39	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	110.7	76-130	%	1.00	07/28/2004 19:39	
Toluene-d8	101.4	78-115	%	1.00	07/28/2004 19:39	

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003

98995842

Received: 07/16/2004 11:30

Site: 3790 Hopyard Road, Pleasanton

Batch QC Report		
Prep(s): 5030B		Test(s): 8260B
Method Blank	Water	QC Batch # 2004/07/28-1C.62
MB: 2004/07/28-1C.62-001		Date Extracted: 07/28/2004 08:01

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	07/28/2004 08:01	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	07/28/2004 08:01	
Benzene	ND	0.5	ug/L	07/28/2004 08:01	
Toluene	ND	0.5	ug/L	07/28/2004 08:01	
Ethylbenzene	ND	0.5	ug/L	07/28/2004 08:01	
Total xylenes	ND	1.0	ug/L	07/28/2004 08:01	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	109.2	76-130	%	07/28/2004 08:01	
Toluene-d8	107.8	78-115	%	07/28/2004 08:01	

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003  
98995842

Received: 07/16/2004 11:30

Site: 3790 Hopyard Road, Pleasanton

Batch QC Report					
Prep(s): 5030B				Test(s): 8260B	
Method Blank		Water		QC Batch # 2004/07/28-2D.68	
MB: 2004/07/28-2D.68-035				Date Extracted: 07/28/2004 17:35	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	07/28/2004 17:35	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	07/28/2004 17:35	
Benzene	ND	0.5	ug/L	07/28/2004 17:35	
Toluene	ND	0.5	ug/L	07/28/2004 17:35	
Ethylbenzene	ND	0.5	ug/L	07/28/2004 17:35	
Total xylenes	ND	1.0	ug/L	07/28/2004 17:35	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	97.0	76-130	%	07/28/2004 17:35	
Toluene-d8	98.8	78-115	%	07/28/2004 17:35	



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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003  
98995842

Received: 07/16/2004 11:30

Site: 3790 Hopyard Road, Pleasanton

Batch QC Report										
Prep(s): 5030B						Test(s): 8260B				
Laboratory Control Spike			Water			QC Batch # 2004/07/28-1C.62				
LCS	2004/07/28-1C.62-055		Extracted: 07/28/2004			Analyzed: 07/28/2004 08:55				
LCSD	2004/07/28-1C.62-039		Extracted: 07/28/2004			Analyzed: 07/28/2004 07:39				
Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	21.0	21.0	25	84.0	84.0	0.0	65-165	20		
Benzene	24.6	25.1	25	98.4	100.4	2.0	69-129	20		
Toluene	27.8	26.8	25	111.2	107.2	3.7	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	515	514	500	103.0	102.8		76-130			
Toluene-d8	502	493	500	100.4	98.6		78-115			

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003  
98995842

Received: 07/16/2004 11:30

Site: 3790 Hopyard Road, Pleasanton

Batch QC Report									
Prep(s): 5030B					Test(s): 8260B				
Laboratory Control Spike			Water			QC Batch # 2004/07/28-2D.68			
LCS	2004/07/28-2D.68-056		Extracted: 07/28/2004			Analyzed: 07/28/2004 16:56			
LCSD	2004/07/28-2D.68-015		Extracted: 07/28/2004			Analyzed: 07/28/2004 17:15			

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	30.0	28.1	25	120.0	112.4	6.5	65-165	20		
Benzene	26.8	29.5	25	107.2	118.0	9.6	69-129	20		
Toluene	27.8	30.4	25	111.2	121.6	8.9	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	493	443	500	98.6	88.6		76-130			
Toluene-d8	498	519	500	99.6	103.8		78-115			

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003

98995842

Received: 07/16/2004 11:30

Site: 3790 Hopyard Road, Pleasanton

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Matrix Spike ( MS / MSD )	Water	QC Batch # 2004/07/28-2D.68	
EFF >> MS			Lab ID: 2004-07-0526 - 004
MS: 2004/07/28-2D.68-058	Extracted: 07/28/2004	Analyzed:	07/28/2004 19:58
		Dilution:	1.00
MSD: 2004/07/28-2D.68-017	Extracted: 07/28/2004	Analyzed:	07/28/2004 20:17
		Dilution:	1.00

Compound	Conc. ug/L		Spk Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS
Benzene	26.6	29.0	ND	25	106.4	116.0	8.6	69-129	20		
Toluene	28.4	31.0	ND	25	113.6	124.0	8.8	70-130	20		
Methyl tert-butyl ether	30.7	33.9	ND	25	122.8	135.6	9.9	65-165	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	511	514		500	102.2	102.8		76-130			
Toluene-d8	515	515		500	103.0	103.0		78-115			

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003  
98995842

Received: 07/16/2004 11:30

Site: 3790 Hopyard Road, Pleasanton

**Legend and Notes**

**Sample Comment**

Lab ID: 2004-07-0526 -2

gs-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 60 ug/L.

Lab ID: 2004-07-0526 -3

gs-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 57 ug/L.

**Analysis Flag**

Im

Reporting limits raised due to high level of non-target analyte materials.

STL-San Francisco

# SHCL Chain Of Custody Record

87863

1220 Quarry Lane

Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

Shell Project Manager to be Invoiced:

- TECHNICAL SUPERVISION
- TECHNICAL SERVICES
- CRMT-NUMBER

## 2004-07-0526

Karen Petryna

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 8 4 2

S&E OR CRMT NUMBER (TS/CRMT)

DATE: 7-16-04

PAGE: 1 of 1

SAMPLING COMPANY: <b>Camber Environmental Technology, Inc.</b>		LOG CODE: <b>CETS</b>	SITE ADDRESS (Street and City): <b>3790 Hopyard Road, Pleasanton</b>		GLOBAL ID NO.: <b>N/A</b>
ADDRESS: <b>5900 Hollis Street, Suite A, Emeryville, CA 94608</b>		PHONE NO. (TOP DELIVERABLE TO Responsible Party or Designer): <b>N/A</b>		PHONE NO. (OTHER): <b>N/A</b>	CONSULTANT PROJECT NO.: <b>245-0497-003</b>
PROJECT CONTACT (Name and POC Name): <b>Cynthia Vasko</b>		SAMPLER NUMBER (OWN): <b>JARTAN HANEDARIAN</b>		LAB USE ONLY	
TELEPHONE: <b>510-420-3344</b>	FAX: <b>510-420-9170</b>	EMAIL: <b>cvasko@camber-env.com</b>			

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

REQUESTED ANALYSIS:

LA - RMQS REPORT FORMAT  USE AGENCY

OCMS/MTBE CONFIRMATION: HIGHEST \_\_\_\_\_ HIGHEST per BORING \_\_\_\_\_ ALL \_\_\_\_\_

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

Flow Totalizer = **1265,530.0** Hour Meter = **8578.5**

DATE/TIME ONLY	Field Sample Identification	SAMPLING		WATER	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (ppb)	BTDX	MTBE (5 ppb)	TBA	5 Oxygenates	1,2 DCA and EOB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> TMB <input type="checkbox"/> STC <input type="checkbox"/> TSP	LUST <input type="checkbox"/> TMB <input type="checkbox"/> STC <input type="checkbox"/> TSP	CMT <input type="checkbox"/> TMB <input type="checkbox"/> STC <input type="checkbox"/> TSP	Test for Disposal	TEMPERATURE ON RECEIPT C°	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes		
		DATE	TIME																					
	INF	7-16	9:30	AG	7	X	X	X	X													16	VOAs w/HCI + DOAs Dupres	
	MID-1		9:25	AG	4	X		X	X															VOAs w/HCI
	MID-2		9:30	AG	4	X		X	X															VOAs w/HCI
	EFF		9:15	AG	7	X	X	X	X															VOAs w/HCI + DOAs Dupres

Received by (Signature):	Received by (Signature):	Date: 7/16/04	Time: 11:30
Received by (Signature):	Received by (Signature):	Date:	Time:
Received by (Signature):	Received by (Signature):	Date:	Time:

QAO Graphs 141 815-9776

**Cambria Environmental Emeryville**

August 20, 2004

5900 Hollis Street, Ste. A  
Emeryville, CA 94608

Attn.: Cynthia Vasko

Project#: 245-0497-003

Project: 98995842

Site: 3790 Hopyard Road, Pleasanton

Dear Ms. Vasko:

Attached is our report for your samples received on 08/06/2004 14:45

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 09/20/2004 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

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

**Diesel (C9-C24)**

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003

98995842

Received: 08/06/2004 14:45

Site: 3790 Hopyard Road, Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
INF	08/06/2004 12:15	Water	1
EFF	08/06/2004 12:00	Water	4

## Diesel (C9-C24)

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003  
98995842

Received: 08/06/2004 14:45

Site: 3790 Hopyard Road, Pleasanton

Prep(s):	3511	Test(s):	8015M
Sample ID:	INF	Lab ID:	2004-08-0198 - 1
Sampled:	08/06/2004 12:15	Extracted:	8/10/2004 07:28
Matrix:	Water	QC Batch#:	2004/08/10-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	08/10/2004 15:01	
<b>Surrogate(s)</b> o-Terphenyl	142.4	78-177	%	1.00	08/10/2004 15:01	

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

08/18/2004 17:21



**Diesel (C9-C24)**

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003

98995842

Received: 08/06/2004 14:45

Site: 3790 Hopyard Road, Pleasanton

Prep(s): 3511	Test(s): 8015M
Sample ID: EFF	Lab ID: 2004-08-0198 - 4
Sampled: 08/06/2004 12:00	Extracted: 8/10/2004 07:28
Matrix: Water	QC Batch#: 2004/08/10-03-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	08/10/2004 15:28	
<b>Surrogate(s)</b>						
o-Terphenyl	144.6	78-177	%	1.00	08/10/2004 15:28	

**Diesel (C9-C24)**

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003  
98995842

Received: 08/06/2004 14:45

Site: 3790 Hopyard Road, Pleasanton

Batch QC Report					
Prep(s): 3511		Water		Test(s): 8015M	
Method Blank				QC Batch # 2004/08/10-03.10	
MB: 2004/08/10-03.10-001				Date Extracted: 08/10/2004 07:28	
Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	08/10/2004 15:01	
<b>Surrogates(s)</b> o-Terphenyl	128.8	78-177	%	08/10/2004 15:01	

**Diesel (C9-C24)**

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003  
98995842

Received: 08/06/2004 14:45

Site: 3790 Hopyard Road, Pleasanton

Batch QC Report									
Prep(s): 3511					Test(s): 8015M				
Laboratory Control Spike			Water			QC Batch # 2004/08/10-03.10			
LCS	2004/08/10-03.10-002		Extracted: 08/10/2004			Analyzed: 08/10/2004 14:07			
LCSD	2004/08/10-03.10-003		Extracted: 08/10/2004			Analyzed: 08/10/2004 14:34			

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	663	790	680	97.5	116.2	17.5	60-150	25		
<b>Surrogates(s)</b> o-Terphenyl	1.49	1.58	1.25	119.3	126.3		78-177	0		

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003  
98995842

Received: 08/06/2004 14:45

Site: 3790 Hopyard Road, Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
INF	08/06/2004 12:15	Water	1
MID 1	08/06/2004 12:10	Water	2
MID 2	08/06/2004 12:05	Water	3
EFF	08/06/2004 12:00	Water	4

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

08/17/2004 14:25

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003

98995842

Received: 08/06/2004 14:45

Site: 3790 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	INF	Lab ID:	2004-08-0198 - 1
Sampled:	08/06/2004 12:15	Extracted:	8/13/2004 22:27
Matrix:	Water	QC Batch#:	2004/08/13-2B.62
Analysis Flag: Irm ( See Legend and Note Section )			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/L	20.00	08/13/2004 22:27	
Benzene	ND	10	ug/L	20.00	08/13/2004 22:27	
Toluene	ND	10	ug/L	20.00	08/13/2004 22:27	
Ethylbenzene	ND	10	ug/L	20.00	08/13/2004 22:27	
Total xylenes	ND	20	ug/L	20.00	08/13/2004 22:27	
Methyl tert-butyl ether (MTBE)	ND	100	ug/L	20.00	08/13/2004 22:27	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	95.6	76-130	%	20.00	08/13/2004 22:27	
Toluene-d8	96.2	78-115	%	20.00	08/13/2004 22:27	

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003  
98995842

Received: 08/06/2004 14:45

Site: 3790 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MID 1	Lab ID:	2004-08-0198 - 2
Sampled:	08/06/2004 12:10	Extracted:	8/13/2004 22:49
Matrix:	Water	QC Batch#:	2004/08/13-2B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/13/2004 22:49	
Benzene	ND	0.50	ug/L	1.00	08/13/2004 22:49	
Toluene	ND	0.50	ug/L	1.00	08/13/2004 22:49	
Ethylbenzene	ND	0.50	ug/L	1.00	08/13/2004 22:49	
Total xylenes	ND	1.0	ug/L	1.00	08/13/2004 22:49	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	08/13/2004 22:49	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	103.3	76-130	%	1.00	08/13/2004 22:49	
Toluene-d8	92.2	78-115	%	1.00	08/13/2004 22:49	

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003  
98995842

Received: 08/06/2004 14:45

Site: 3790 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: MID 2	Lab ID: 2004-08-0198 - 3
Sampled: 08/06/2004 12:05	Extracted: 8/13/2004 23:12
Matrix: Water	QC Batch#: 2004/08/13-2B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/13/2004 23:12	
Benzene	ND	0.50	ug/L	1.00	08/13/2004 23:12	
Toluene	ND	0.50	ug/L	1.00	08/13/2004 23:12	
Ethylbenzene	ND	0.50	ug/L	1.00	08/13/2004 23:12	
Total xylenes	ND	1.0	ug/L	1.00	08/13/2004 23:12	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	08/13/2004 23:12	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	97.8	76-130	%	1.00	08/13/2004 23:12	
Toluene-d8	92.3	78-115	%	1.00	08/13/2004 23:12	

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003  
98995842

Received: 08/06/2004 14:45

Site: 3790 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: EFF	Lab ID: 2004-08-0198 - 4
Sampled: 08/06/2004 12:00	Extracted: 8/13/2004 23:34
Matrix: Water	QC Batch#: 2004/08/13-2B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/13/2004 23:34	
Benzene	ND	0.50	ug/L	1.00	08/13/2004 23:34	
Toluene	ND	0.50	ug/L	1.00	08/13/2004 23:34	
Ethylbenzene	ND	0.50	ug/L	1.00	08/13/2004 23:34	
Total xylenes	ND	1.0	ug/L	1.00	08/13/2004 23:34	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	08/13/2004 23:34	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	100.6	76-130	%	1.00	08/13/2004 23:34	
Toluene-d8	88.4	78-115	%	1.00	08/13/2004 23:34	



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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003

98995842

Received: 08/06/2004 14:45

Site: 3790 Hopyard Road, Pleasanton

Batch QC Report					
Prep(s): 5030B		Water		Test(s): 8260B	
Method Blank				QC Batch # 2004/08/13-2B.62	
MB: 2004/08/13-2B.62-020				Date Extracted: 08/13/2004 18:20	
Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/13/2004 18:20	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	08/13/2004 18:20	
Benzene	ND	0.5	ug/L	08/13/2004 18:20	
Toluene	ND	0.5	ug/L	08/13/2004 18:20	
Ethylbenzene	ND	0.5	ug/L	08/13/2004 18:20	
Total xylenes	ND	1.0	ug/L	08/13/2004 18:20	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	92.0	76-130	%	08/13/2004 18:20	
Toluene-d8	92.6	78-115	%	08/13/2004 18:20	

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003

98995842

Received: 08/06/2004 14:45

Site: 3790 Hopyard Road, Pleasanton

Batch QC Report										
Prep(s): 5030B							Test(s): 8260B			
Laboratory Control Spike				Water			QC Batch # 2004/08/13-2B.62			
LCS	2004/08/13-2B.62-057			Extracted: 08/13/2004			Analyzed: 08/13/2004 17:57			
LCSD	2004/08/13-2B.62-042			Extracted: 08/13/2004			Analyzed: 08/13/2004 18:42			
Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	21.8	21.5	25	87.2	86.0	1.4	65-165	20		
Benzene	29.9	27.3	25	119.6	109.2	9.1	69-129	20		
Toluene	30.7	29.1	25	122.8	116.4	5.4	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	490	474	500	98.0	94.8		76-130			
Toluene-d8	492	478	500	98.4	95.6		78-115			

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

08/17/2004 14:25

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003

98995842

Received: 08/06/2004 14:45

Site: 3790 Hopyard Road, Pleasanton

**Legend and Notes**

**Analysis Flag**

Im

Reporting limits raised due to high level of non-target analyte materials.

1220 Quarry Lane  
Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

Shell Project Manager to be Invoiced:  
 SCIENCE & ENGINEERING  
 TECHNICAL SERVICES  
 CRMT INQUIRY  
**2004-08-0198**  
 Karen Polyns

INCIDENT NUMBER (S&E ONLY)  
 9 8 9 9 5 8 4 2  
 SAP/CRMT NUMBER (TS/CRMT)

DATE: 8-6-04  
 PAGE: 1 of 1

SAMPLING COMPANY: **Cambridge Environmental Technology, Inc.** LIMS CODE: **CETS** SITE ADDRESS (Street and City): **3790 Hopyard Road, Pleasanton** GLOBAL ID/NO: **N/A**

ADDRESS: **6900 Hollis Street, Suite A, Emeryville, CA 94608** EOP DELIVERABLE TO (Plasoprotein File or Design): **N/A** PHONE NO.: **N/A** CONSULTANT PROJECT NO.: **245-0497-003**

PROJECT CONTACT (Name and/or POC Report No.): **Cynthia Vasko** SAMPLE NAME(S) (Well): **URTAN HANEDANIAN** LAB USE ONLY

TELEPHONE: **510-420-3344** FAX: **510-420-9170** EMAIL: **cvasko@cambridge-env.com**

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

LA - RWQCS REPORT FORMAT  LIST AGENCY

GC/MS METBE CONFIRMATION: HIGHEST \_\_\_\_\_ HIGHEST BY BORING \_\_\_\_\_ ALL \_\_\_\_\_

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

Flow Totalizer = **1315,300.0** Hour Meter = **9085.0**

REQUESTED ANALYSIS

LAB SITE DATE	Field Sample Identification	SAMPLING		MATED	NO. OF CONT.	TPH - Permeable	TPH - Extractable (8015m)	BTEX	MTBE (3 ppb)	TBA	S Oxygenists	1,2 DCA and EDG	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> Total <input type="checkbox"/> STG <input type="checkbox"/> TOL	LUFTS <input type="checkbox"/> Total <input type="checkbox"/> STG <input type="checkbox"/> TOL	CAM17 <input type="checkbox"/> Total <input type="checkbox"/> STG <input type="checkbox"/> TOL	Test for Disposal	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes  <b>6°C</b>	
		DATE	TIME																			TEMPERATURE ON RECEIPT C°
	INF	8-6	12:15	AO	7	X	X	X	X													VOAs w/HCI + Conts Unpress
	MID 1	↓	12:16	AO	4	X		X	X													VOAs w/HCI
	MID 2	↓	12:16	AO	4	X		X	X													VOAs w/HCI
	EFF	↓	12:00	AO	7	X	X	X	X													VOAs w/HCI + Conts Unpress

Requested by (Signature): *Urtan Hanedanian* Received by (Signature): *Denise Harrington / STL-SF* Date: 8/6/04 Time: 1:44:5

Requested by (Signature): \_\_\_\_\_ Received by (Signature): \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Requested by (Signature): \_\_\_\_\_ Received by (Signature): \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

GWE 04/04/04 11:43:37 AM

**Cambria Environmental Emeryville**

September 20, 2004

5900 Hollis Street, Ste. A  
Emeryville, CA 94608

Attn.: Cynthia Vasko

Project#: 245-0497-003

Project: 98995842

Site: 3790 Hopyard Rd., Pleasanton

Dear Ms. Vasko:

Attached is our report for your samples received on 09/03/2004 15:07

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 10/18/2004 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

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

**Diesel (C9-C24)**

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003  
98995842

Received: 09/03/2004 15:07

Site: 3790 Hopyard Rd., Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
INF	09/03/2004 13:00	Water	1
EFF	09/03/2004 12:45	Water	4

**Diesel (C9-C24)**

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003  
98995842

Received: 09/03/2004 15:07

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 3511	Test(s): 8015M
Sample ID: INF	Lab ID: 2004-09-0157 - 1
Sampled: 09/03/2004 13:00	Extracted: 9/13/2004 10:15
Matrix: Water	QC Batch#: 2004/09/13-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	09/15/2004 18:26	
<b>Surrogate(s)</b> o-Terphenyl	149.2	78-177	%	1.00	09/15/2004 18:26	

Severn Trent Laboratories, Inc.

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

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

09/20/2004 12:20

**Diesel (C9-C24)**

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003

98995842

Received: 09/03/2004 15:07

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 3511	Test(s): 8015M
Sample ID: EFF	Lab ID: 2004-09-0157 - 4
Sampled: 09/03/2004 12:45	Extracted: 9/13/2004 10:15
Matrix: Water	QC Batch#: 2004/09/13-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	09/15/2004 18:53	
<b>Surrogate(s)</b>						
o-Terphenyl	149.8	78-177	%	1.00	09/15/2004 18:53	



**Diesel (C9-C24)**

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003  
98995842

Received: 09/03/2004 15:07

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 3511		Water		Test(s): 8015M	
Method Blank				QC Batch # 2004/09/13-03.10	
MB: 2004/09/13-03.10-001				Date Extracted: 09/13/2004 10:15	
Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	09/13/2004 13:35	
<b>Surrogates(s)</b> o-Terphenyl	156.7	78-177	%	09/13/2004 13:35	

**Diesel (C9-C24)**

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Project: 245-0497-003  
98995842

Received: 09/03/2004 15:07

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report									
Prep(s): 3511					Test(s): 8015M				
Laboratory Control Spike			Water			QC Batch # 2004/09/13-03.10			
LCS	2004/09/13-03.10-002		Extracted: 09/13/2004			Analyzed: 09/13/2004 13:35			
LCSD	2004/09/13-03.10-003		Extracted: 09/13/2004			Analyzed: 09/13/2004 14:09			

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	743	775	680	109.3	114.0	4.2	60-150	25		
<b>Surrogates(s)</b> o-Terphenyl	1.62	1.73	1.25	129.9	138.0		78-177	0		

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

Cambria Environmental Emeryville

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Emeryville, CA 94608

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Project: 245-0497-003  
98995842

Received: 09/03/2004 15:07

Site: 3790 Hopyard Rd., Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
INF	09/03/2004 13:00	Water	1
MID 1	09/03/2004 12:55	Water	2
MID 2	09/03/2004 12:50	Water	3
EFF	09/03/2004 12:45	Water	4

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

09/20/2004 14:24

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

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Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003

98995842

Received: 09/03/2004 15:07

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: INF	Lab ID: 2004-09-0157 - 1
Sampled: 09/03/2004 13:00	Extracted: 9/16/2004 23:18
Matrix: Water	QC Batch#: 2004/09/16-2B.68
Analysis Flag: Im ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/L	20.00	09/16/2004 23:18	
Benzene	ND	10	ug/L	20.00	09/16/2004 23:18	
Toluene	ND	10	ug/L	20.00	09/16/2004 23:18	
Ethylbenzene	ND	10	ug/L	20.00	09/16/2004 23:18	
Total xylenes	ND	20	ug/L	20.00	09/16/2004 23:18	
Methyl tert-butyl ether (MTBE)	ND	100	ug/L	20.00	09/16/2004 23:18	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	111.2	76-130	%	20.00	09/16/2004 23:18	
Toluene-d8	99.7	78-115	%	20.00	09/16/2004 23:18	

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

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Project: 245-0497-003  
98995842

Received: 09/03/2004 15:07

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MID 1	Lab ID:	2004-09-0157 - 2
Sampled:	09/03/2004 12:55	Extracted:	9/16/2004 23:37
Matrix:	Water	QC Batch#:	2004/09/16-2B.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	75	50	ug/L	1.00	09/16/2004 23:37	dp
Benzene	ND	0.50	ug/L	1.00	09/16/2004 23:37	
Toluene	ND	0.50	ug/L	1.00	09/16/2004 23:37	
Ethylbenzene	ND	0.50	ug/L	1.00	09/16/2004 23:37	
Total xylenes	ND	1.0	ug/L	1.00	09/16/2004 23:37	
Methyl tert-butyl ether (MTBE)	9.0	5.0	ug/L	1.00	09/16/2004 23:37	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	118.4	76-130	%	1.00	09/16/2004 23:37	
Toluene-d8	100.1	78-115	%	1.00	09/16/2004 23:37	

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

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Project: 245-0497-003

98995842

Received: 09/03/2004 15:07

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MID 2	Lab ID:	2004-09-0157 - 3
Sampled:	09/03/2004 12:50	Extracted:	9/16/2004 23:56
Matrix:	Water	QC Batch#:	2004/09/16-2B.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	170	50	ug/L	1.00	09/16/2004 23:56	dp
Benzene	ND	0.50	ug/L	1.00	09/16/2004 23:56	
Toluene	ND	0.50	ug/L	1.00	09/16/2004 23:56	
Ethylbenzene	ND	0.50	ug/L	1.00	09/16/2004 23:56	
Total xylenes	ND	1.0	ug/L	1.00	09/16/2004 23:56	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	09/16/2004 23:56	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	113.6	76-130	%	1.00	09/16/2004 23:56	
Toluene-d8	93.6	78-115	%	1.00	09/16/2004 23:56	

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

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Project: 245-0497-003  
98995842

Received: 09/03/2004 15:07

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	EFF	Lab ID:	2004-09-0157 - 4
Sampled:	09/03/2004 12:45	Extracted:	9/17/2004 00:15
Matrix:	Water	QC Batch#:	2004/09/16-2B.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	57	50	ug/L	1.00	09/17/2004 00:15	dp
Benzene	ND	0.50	ug/L	1.00	09/17/2004 00:15	
Toluene	ND	0.50	ug/L	1.00	09/17/2004 00:15	
Ethylbenzene	ND	0.50	ug/L	1.00	09/17/2004 00:15	
Total xylenes	ND	1.0	ug/L	1.00	09/17/2004 00:15	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	09/17/2004 00:15	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	115.4	76-130	%	1.00	09/17/2004 00:15	
Toluene-d8	92.0	78-115	%	1.00	09/17/2004 00:15	

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

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Project: 245-0497-003

98995842

Received: 09/03/2004 15:07

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 5030B		Water		Test(s): 8260B	
Method Blank				QC Batch # 2004/09/16-2B.68	
MB: 2004/09/16-2B.68-058				Date Extracted: 09/16/2004 18:58	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/16/2004 18:58	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	09/16/2004 18:58	
Benzene	ND	0.5	ug/L	09/16/2004 18:58	
Toluene	ND	0.5	ug/L	09/16/2004 18:58	
Ethylbenzene	ND	0.5	ug/L	09/16/2004 18:58	
Total xylenes	ND	1.0	ug/L	09/16/2004 18:58	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	108.4	76-130	%	09/16/2004 18:58	
Toluene-d8	97.4	78-115	%	09/16/2004 18:58	



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

Cambria Environmental Emeryville

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Project: 245-0497-003

98995842

Received: 09/03/2004 15:07

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 5030B			Test(s): 8260B		
Laboratory Control Spike		Water		QC Batch # 2004/09/16-2B.68	
LCS	2004/09/16-2B.68-020	Extracted: 09/16/2004		Analyzed: 09/16/2004 18:20	
LCSD	2004/09/16-2B.68-039	Extracted: 09/16/2004		Analyzed: 09/16/2004 18:39	

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	28.7	30.5	25	114.8	122.0	6.1	65-165	20		
Benzene	27.8	23.7	25	111.2	94.8	15.9	69-129	20		
Toluene	28.0	23.9	25	112.0	95.6	15.8	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	492	469	500	98.4	93.8		76-130			
Toluene-d8	518	453	500	103.6	90.6		78-115			

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

09/20/2004 14:24

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

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Emeryville, CA 94608

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Project: 245-0497-003

98995842

Received: 09/03/2004 15:07

Site: 3790 Hopyard Rd., Pleasanton

Legend and Notes

**Analysis Flag**

lm

Reporting limits raised due to high level of non-target analyte materials.

**Result Flag**

dp

Sample contains discrete peak in gasoline range.

STL-San Francisco

# Shell Chain Of Custody Record

88563

1220 Quarry Lane

Pleasanton, CA 94508

(925) 484-1919 (925) 484-1096 fax

Shell Project Manager to be Invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- O&M SERVICES

**2004-09-0157**

Karen Petryna

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 8 4 2

SAR BY CRMT NUMBER (TS/CRMT)

DATE: **9-3-04**

PAGE: 1 of 1

SAMPLING COMPANY: <b>Cambria Environmental Technology, Inc.</b>		LOG CODE: <b>CETS</b>	SITE ADDRESS (Street and City): <b>3790 Hopyard Road, Pleasanton</b>		GLOBAL ID NO.: <b>N/A</b>
ADDRESS: <b>5900 Hollis Street, Suite A, Emeryville, CA 94608</b>		SHIP DELIVERABLE TO (Businesses Only or Designated): <b>N/A</b>	PHONE NO.: <b>N/A</b>	RAWL: <b>N/A</b>	CONSULTANT PROJECT NO.: <b>245-0197-003</b>
PROJECT CONTACT (Name and Title): <b>Cynthia Vasco</b>		SAMPLER NAME(S) (Print): <b>ARTAN HANEDANIAN</b>			SAR USE ONLY
TELEPHONE: <b>510-420-3344</b>	FAX: <b>510-420-9170</b>	E-MAIL: <b>cvasco@cambria-env.com</b>			

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

LA - AVOCS REPORT FORMAT  LIST AGENCY

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

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

Flow Totalizer = **380,480.0** Hour Meter = **9757.8**

SAR USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (R015m)	BTEX	MTBE (5 ppb)	TBA	S Oxygenide	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8160B	Semi-Volatiles by 8170C	Lead <input type="checkbox"/> Fuel <input type="checkbox"/> STC <input type="checkbox"/> TSP	LUFTS <input type="checkbox"/> Fuel <input type="checkbox"/> STC <input type="checkbox"/> TSP	CAMP <input type="checkbox"/> Fuel <input type="checkbox"/> STC <input type="checkbox"/> TSP	Test for Disposal	TEMPERATURE ON RECEIPT °C	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes	
		DATE	TIME																				
	INF	9-3	1:00	AO	7	X	X	X	X													21	VOAs w/HCI + DoA's On press
	MID 1		12:35	AO	4	X		X	X														VOAs w/HCI
	MID 2		12:35	AO	4	X		X	X														VOAs w/HCI
	EFF		12:45	AO	7	X	X	X	X														VOAs w/HCI + DoA's On press

Retrieved by: Signature <i>Artan Hanedanian</i>	Received by: Signature <i>Joan Madden STCSF</i>	Date: <b>09-03-04</b>	Time: <b>1507</b>
Retrieved by: Signature	Received by: Signature	Date:	Time:
Retrieved by: Signature	Received by: Signature	Date:	Time: