



**Shell Oil Products US**

October 7, 2003

Mr. Scott Seery  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

**Alameda County**

OCT 17 2003

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

**Environmental Health**

Dear Mr. Seery:

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

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

Sincerely,

**Shell Oil Products US**

*Karen Petryna*

Karen Petryna  
Sr. Environmental Engineer

October 7, 2003

Mr. Scott Seery  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

Re: **Groundwater Monitoring Report – Third Quarter 2003**  
Shell-branded Service Station  
3790 Hopyard Road  
Pleasanton, California  
SAP Code 135784  
Incident #98995842

Alameda County  
OCT 1 2003  
Environmental Health



Dear Mr. Seery:

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 2003 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 data and petroleum hydrocarbon and methyl tertiary butyl ether concentrations. Cambria prepared a summary table of additional groundwater analytical data (Table 1), a site vicinity map (Figure 1) and a groundwater contour/chemical concentration map (Figure 2). Blaine's report, presenting the laboratory report, is included as Appendix A.

**Groundwater Remediation:** The groundwater extraction (GWE) system has been operating fairly continuously since July 1, 2003. As observed on Figure 2, significant drawdown and radius of influence is observed after only one week of operation. 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 2 and laboratory reports for GWE system samples are included in Appendix B. System flow data and constituent mass removal calculations are presented in Table 3.

Oakland, CA  
San Ramon, CA  
Sonoma, CA

Cambria  
Environmental  
Technology, Inc.

270 Perkins Street  
P.O. Box 259  
Sonoma, CA 95476  
Tel (707) 935-4850  
Fax (707) 935-6649

**Oxygenates Analyses:** As recommended in previous submittals dated March 28, 2003 and May 12, 2003, the analysis of fuel oxygenates has been reduced to include only MTBE and TBA, as no other direction was received from the ACHCSA.

used to add  
at hand!

*Other Activities:* In an April 9, 2003 *Agency Response and Extension Request*, Cambria addressed several items that were discussed in the ACHCSA letter dated February 27, 2003, and requested an extension for submittal of a Site Conceptual Model (SCM) and work plan from April 14, 2003 to May 30, 2003. The ACHCSA approved an extension to May 1, 2003 in electronic correspondence dated April 15, 2003. Thus, Cambria submitted the *Subsurface Investigation Work Plan* on April 30, 2003, which included additional responses to the agency letter dated February 27, 2003, the preferential pathway study, the SCM, and plume definition information.



## **ANTICIPATED FOURTH QUARTER 2003 ACTIVITIES**

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

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

*Implementation of Work Plan:* Cambria will move forward with the proposed work following written work plan approval from the ACHCSA.

## **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.

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.

# C A M B R I A

## CLOSING

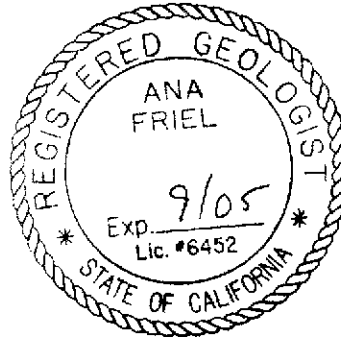
If you have any questions regarding the contents of this document, please call Ana Friel at (707) 442-2700.

Sincerely,  
**Cambria Environmental Technology, Inc**



*[Handwritten signature]*  
Cynthia Vasko  
Senior Staff Engineer

*[Handwritten signature]*  
Ana Friel, RG  
Senior Project Geologist  
RG 6452



### Attachments:

- |             |  |
|-------------|--|
| Table 1.    | Additional Groundwater Analytical Data                     |
| Table 2.    | Groundwater Extraction System Analytical Results           |
| Table 3.    | Groundwater Extraction System Mass Removal Data            |
| Figure 1.   | Vicinity/Area Well Survey Map                              |
| Figure 2.   | Groundwater Contour/Chemical Concentration Map             |
| Appendix A. | Blaine Tech Services, Inc. - Groundwater Monitoring Report |
| Appendix B. | GWE System Certified Analytical Reports                    |

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

**Table 1. Additional Groundwater Analytical Data, Shell-branded Service Station, 3790 Hopyard Road, Pleasanton, California**

Sample	Date Sampled	MTBE (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	TBA (µg/l)	Ethanol	1,2-DCA (µg/l)	EDB (µg/l)
S-2	09/17/01	7,500	<10	<10	<10	680	<500	NA	NA
S-2	12/27/02	4,300	<10	<10	<10	5,600	NA	<10	<10
S-2	05/09/03	4,000	NA	NA	NA	6,200	NA	NA	NA
S-2	07/08/03	3,200	NA	NA	NA	4,500	NA	NA	NA
S-3	12/27/02	<5.0	<2.0	<2.0	<2.0	<50	NA	<2.0	<2.0
S-3	05/09/03	<0.50	NA	NA	NA	<5.0	NA	NA	NA
S-3	07/08/03	1.7	NA	NA	NA	<5.0	NA	NA	NA
S-4	12/27/02	390	<2.5	<2.5	<5.0	9,000	NA	<2.5	<2.5
S-4	05/09/03	1,200	NA	NA	NA	18,000	NA	NA	NA
S-4	07/08/03	1,700	NA	NA	NA	8,700	NA	NA	NA
S-5	12/27/02	87	<2.0	<2.0	<2.0	<50	NA	<2.0	<2.0
S-5	05/09/03	110	NA	NA	NA	17	NA	NA	NA
S-5	07/08/03	320	NA	NA	NA	<100	NA	NA	NA
S-6	09/17/01	5.7	<2.0	<2.0	<2.0	<50	<500	NA	NA
S-6	12/27/02	230	<5.0	<5.0	<5.0	10,000	NA	<5.0	<5.0
S-6	05/09/03	140	NA	NA	NA	12,000	NA	NA	NA
S-6	07/08/03	100	NA	NA	NA	8,400	NA	NA	NA
S-7	12/27/02	22	<2.0	<2.0	<2.0	<50	NA	4.1	<2.0
S-7	05/09/03	31	NA	NA	NA	7.3	NA	NA	NA
S-7	07/08/03	36	NA	NA	NA	6.5	NA	NA	NA

**Table 1. Additional Groundwater Analytical Data, Shell-branded Service Station, 3790 Hopyard Road, Pleasanton, California**

Sample	Date Sampled	MTBE (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	TBA (µg/l)	Ethanol	1,2-DCA (µg/l)	EDB (µg/l)
S-8	05/09/03	24	NA	NA	NA	<5.0	NA	NA	NA
<b>S-8</b>	<b>07/08/03</b>	<b>46</b>	NA	NA	NA	<b>&lt;5.0</b>	NA	NA	NA
S-9	12/27/02	180	<2.0	<2.0	<2.0	<50	NA	2.8	<2.0
S-9	05/09/03	240	NA	NA	NA	<25	NA	NA	NA
<b>S-9</b>	<b>07/08/03</b>	<b>250</b>	NA	NA	NA	<b>&lt;25</b>	NA	NA	NA
S-10	12/27/02	<5.0	<2.0	<2.0	<2.0	<50	NA	<2.0	<2.0
S-10	05/09/03	1.7	NA	NA	NA	<5.0	NA	NA	NA
<b>S-10</b>	<b>07/08/03</b>	<b>1.7</b>	NA	NA	NA	<b>&lt;5.0</b>	NA	NA	NA
S-11	12/27/02	<5.0	<2.0	<2.0	<2.0	<50	NA	<2.0	<2.0
S-11	05/09/03	0.54	NA	NA	NA	<5.0	NA	NA	NA
<b>S-11</b>	<b>07/08/03</b>	<b>&lt;0.50</b>	NA	NA	NA	<b>&lt;5.0</b>	NA	NA	NA
S-12	12/27/02	<5.0	<2.0	<2.0	<2.0	<50	NA	<2.0	<2.0
S-12	05/09/03	1.5	NA	NA	NA	<5.0	NA	NA	NA
<b>S-12</b>	<b>07/08/03</b>	<b>1.2</b>	NA	NA	NA	<b>&lt;5.0</b>	NA	NA	NA
SR-2	12/27/02	4,800	<10	<10	<10	1,600	NA	<10	<10
SR-2	05/09/03	13,000	NA	NA	NA	6,100	NA	NA	NA
<b>SR-2</b>	<b>07/08/03</b>	<b>12,000</b>	NA	NA	NA	<b>4,800</b>	NA	NA	NA
SR-3	12/27/02	5,100	<20	<20	<20	4,600	NA	<20	<20

**Table 1. Additional Groundwater Analytical Data, Shell-branded Service Station, 3790 Hopyard Road, Pleasanton, California**

Sample	Date Sampled	MTBE (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	TBA (µg/l)	Ethanol	1,2-DCA (µg/l)	EDB (µg/l)
SR-3	05/09/03	3,700	NA	NA	NA	8,400	NA	NA	NA
SR-3	07/08/03	<b>2,800</b>	NA	NA	NA	<b>8,300</b>	NA	NA	NA
T-2	12/27/02	790	<2.0	<2.0	2.7	1,200	NA	<2.0	<2.0
T-2	05/09/03	100	NA	NA	NA	92	NA	NA	NA
T-2	07/08/03	<b>990</b>	NA	NA	NA	<b>120</b>	NA	NA	NA
T-4	12/27/02	140	<2.0	<2.0	<2.0	120	NA	<2.0	<2.0
T-4	05/09/03	14	NA	NA	NA	5.2	NA	NA	NA
T-4	07/08/03	<b>1,000</b>	NA	NA	NA	<b>150</b>	NA	NA	NA

Abbreviations and Notes:

µg/L = Micrograms per liter (parts per billion)

<x = Not detected at reporting limit x

NA = Not analyzed for this constituent

All constituents by EPA Method 8260B

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

EDB = 1,2-Dibromoethane

**Table 2. 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

**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



**Table 3. 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	286,645	64,809	4,985	286,198	<1,000	0.270	1.909	<10	0.003	0.019	2,400	1.298	8.795		
<b>Total Gallons Extracted:</b>				<b>286,198</b>	<b>Total Pounds Removed:</b>			<b>1.909</b>	<b>Total Pounds Removed:</b>			<b>0.019</b>	<b>Total Pounds Removed:</b>		<b>8.795</b>
					<b>Total Gallons Removed:</b>			<b>0.313</b>	<b>Total Gallons Removed:</b>			<b>0.003</b>	<b>Total Gallons Removed:</b>		<b>1.424</b>

**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

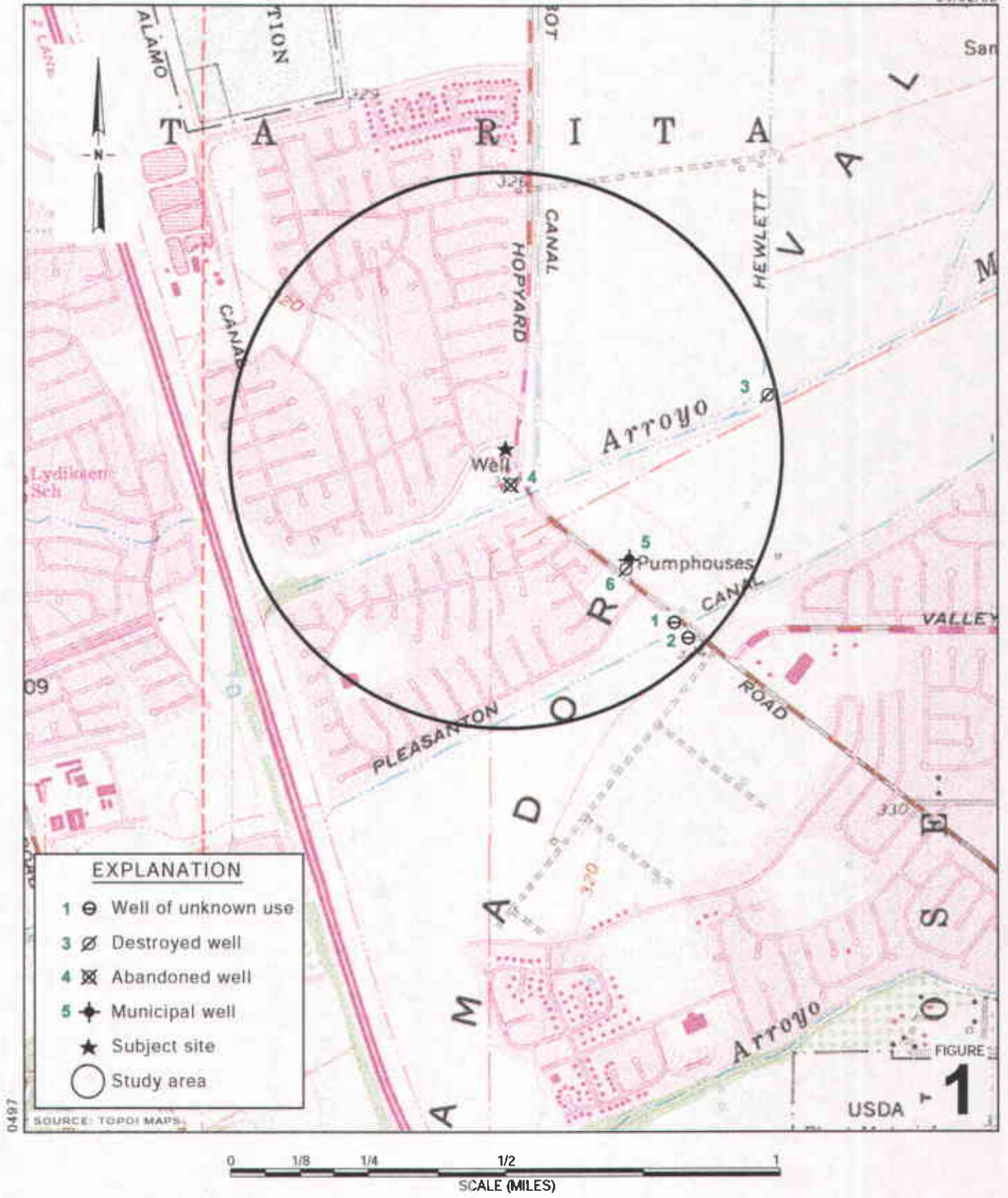
TPHg, benzene and MTBE analyzed by EPA Method 8260

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)

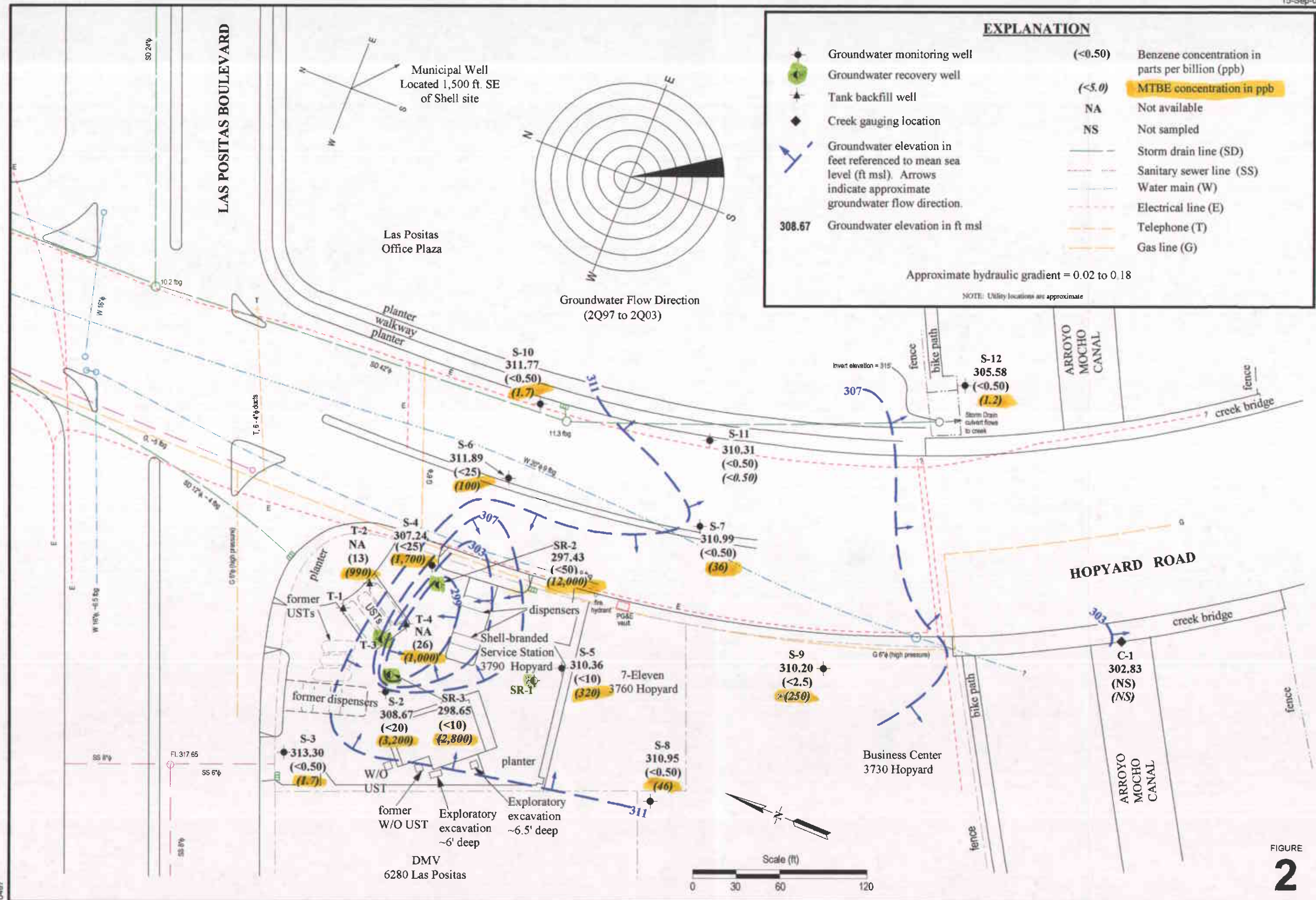
Density inputs: TPHg = 0.73 g/cc, benzene = 0.88 g/cc, MTBE = 0.74 g/cc



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



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



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

**BLAINE**  
TECH SERVICES, INC.



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

July 23, 2003

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

Third Quarter 2003 Groundwater Monitoring at  
Shell-branded Service Station  
3790 Hopyard Road  
Pleasanton, CA

Monitoring performed on July 8, 2003

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**Groundwater Monitoring Report 030708-RH-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/jt

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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-2	03/20/1991	110	NA	30	2.2	10	7	NA	NA	329.21	NA	NA	NA
S-2	06/26/1991	50a	NA	6.3	<0.5	3.3	1.3	NA	NA	329.21	NA	NA	NA
S-2	09/05/1991	90	NA	12	3.2	2.5	2.3	NA	NA	329.21	NA	NA	NA
S-2	12/13/1991	<50	NA	12	<0.5	<0.5	<0.5	NA	NA	329.21	15.85	313.36	NA
S-2	03/11/1992	<30	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	329.21	14.94	314.27	NA
S-2	06/24/1992	<50	NA	0.9	<0.5	<0.5	<0.5	NA	NA	329.21	15.78	313.43	NA
S-2	09/17/1992	78	NA	2.6	1.3	1.3	0.9	NA	NA	329.21	15.03	314.18	NA
S-2	12/11/1992	<50	NA	0.8	<0.5	<0.5	<0.5	NA	NA	329.21	14.81	314.40	NA
S-2	02/04/1993	55	NA	1.3	0.7	0.7	<0.5	NA	NA	329.21	NA	NA	NA
S-2	06/03/1993	<50	NA	0.7	<0.5	<0.5	<0.5	NA	NA	329.21	NA	NA	NA
S-2	09/15/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	329.21	14.63	314.58	NA
S-2	12/09/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	329.21	14.70	314.51	NA
S-2	06/16/1994	<50	NA	0.8	<0.5	0.7	<0.5	NA	NA	329.21	14.94	314.27	NA
S-2	09/13/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	329.21	15.17	314.04	NA
S-2	06/21/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	329.21	14.25	314.96	NA
S-2	06/12/1996	<50	NA	6.1	<0.5	<0.5	<0.5	48	NA	329.21	14.31	314.90	NA
S-2	06/25/1997	120	NA	25	0.59	2.4	8.7	130	NA	329.21	14.40	314.81	4.4
S-2	06/19/1998	450	NA	96	<2.5	4	19	180	NA	329.21	13.72	315.49	2.8
S-2	06/17/1999	312	NA	74.4	2.04	1.02	<1.00	147	NA	329.21	13.97	315.24	3.7
S-2	06/15/2000	1,050	NA	261	<5.00	7.54	11.4	13,500	9,850b	329.21	14.25	314.96	3.3
S-2	11/29/2000	<250	NA	3.75	<2.50	<2.50	<2.50	12,400	10,700b	329.21	14.82	314.39	2.2
S-2	03/07/2001	<500	NA	14.7	<5.00	<5.00	<5.00	8,610	NA	329.21	13.70	315.51	2.3
S-2	06/18/2001	<2,000	NA	<20	<20	<20	<20	NA	7,100	329.21	14.56	314.65	NA
S-2	09/17/2001	<2,000	NA	<10	<10	<10	<10	NA	7,500	329.21	15.18	314.03	NA
S-2	12/31/2001	<1,000	NA	<10	<10	<10	<10	NA	3,800	329.21	13.19	316.02	NA
S-2	03/13/2002	<1,000	NA	65	<10	13	<10	NA	6,500	329.21	15.03	314.18	NA
S-2	06/18/2002	520	NA	28	<5.0	<5.0	<5.0	NA	2,800	329.21	15.60	313.61	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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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S-2	09/27/2002	<1,000	NA	<10	<10	<10	<10	NA	4,200	328.77	14.90	313.87	NA
S-2	12/27/2002	<1,000	NA	<10	<10	<10	<10	NA	4,300	328.77	14.40	314.37	NA
S-2	03/24/2003	<2,500	NA	28	<25	<25	<50	NA	1,300	328.77	14.86	313.91	NA
S-2	05/09/2003	<2,500	NA	36	<25	35	<50	NA	4,000	328.77	13.45	315.32	NA
S-2	07/08/2003	<2,000	NA	<20	<20	<20	<40	NA	3,200	328.77	20.10	308.67	NA

S-3	03/20/1991	70	NA	2.3	8.9	4	23	NA	NA	327.67	NA	NA	NA
S-3	06/26/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.67	NA	NA	NA
S-3	09/05/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.67	NA	NA	NA
S-3	12/13/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.67	13.87	313.80	NA
S-3	03/11/1992	<30	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.67	13.05	314.62	NA
S-3	06/24/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.67	13.86	313.81	NA
S-3	09/17/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.67	13.01	314.66	NA
S-3	12/11/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.67	13.00	314.67	NA
S-3	02/04/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.67	NA	NA	NA
S-3	06/03/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.67	NA	NA	NA
S-3	09/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	327.67	13.02	314.65	NA
S-3	12/09/1993	NA	NA	NA	NA	NA	NA	NA	NA	327.67	NA	NA	NA
S-3	09/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	327.67	15.17	312.50	NA
S-3	06/21/1995	50	NA	4.1	<0.5	20	1.2	NA	NA	327.67	12.49	315.18	NA
S-3	06/12/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	327.67	12.53	315.14	NA
S-3	06/25/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	327.67	12.64	315.03	1.8
S-3	06/19/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	327.67	11.74	315.93	4.1
S-3	06/17/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	327.67	12.35	315.32	2.8
S-3	06/15/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	327.67	12.51	315.16	3.2
S-3	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	327.67	12.84	314.83	1.0
S-3	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	327.67	12.42	315.25	2.8



**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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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S-3	06/18/2001	<50	NA	0.66	1.1	<0.50	0.51	NA	0.66	327.67	13.74	313.93	NA
S-3	09/17/2001	<50	NA	0.73	0.96	<0.50	0.61	NA	<5.0	327.67	13.25	314.42	NA
S-3	12/31/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	327.67	12.38	315.29	NA
S-3	03/13/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	327.67	13.16	314.51	NA
S-3	06/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	327.67	13.55	314.12	NA
S-3	09/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	327.40	13.32	314.08	NA
S-3	12/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	327.40	12.55	314.85	NA
S-3	03/24/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<5.0	327.40	12.71	314.69	NA
S-3	05/09/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	327.40	12.27	315.13	NA
S-3	07/08/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.7	327.40	14.10	313.30	NA

S-4	03/20/1991	1,200	NA	100	<2.0	210	130	NA	NA	328.53	NA	NA	NA
S-4	06/26/1991	220	NA	14	<0.5	34	17	NA	NA	328.53	NA	NA	NA
S-4	09/05/1991	580	NA	31	0.8	53	26	NA	NA	328.53	NA	NA	NA
S-4	12/13/1991	370	NA	24	0.9	1.3	46	NA	NA	328.53	15.20	313.33	NA
S-4	03/11/1992	1,600	NA	23	1.2	12	20	NA	NA	328.53	14.37	314.16	NA
S-4	06/24/1992	480	NA	48	<1.0	95	22	NA	NA	328.53	15.30	313.23	NA
S-4	09/17/1992	260	NA	35	1.2	51	7.8	NA	NA	328.53	14.17	314.36	NA
S-4	12/11/1992	270	NA	34	0.8	28	4.5	NA	NA	328.53	14.18	314.35	NA
S-4	02/04/1993	1,100	NA	12	<5.0	89	100	NA	NA	328.53	NA	NA	NA
S-4	06/03/1993	210	NA	48	1.1	42	4	NA	NA	328.53	NA	NA	NA
S-4	09/15/1993	700	NA	21	<1.0	110	91	NA	NA	328.53	13.86	314.67	NA
S-4	12/09/1993	250	NA	39	<0.5	3.8	2.6	NA	NA	328.53	14.16	314.37	NA
S-4	03/04/1994	150	NA	25	1.4	6.8	2.8	NA	NA	328.53	14.17	314.36	NA
S-4 (D)	03/04/1994	140	NA	28	0.8	7.9	3.2	NA	NA	328.53	14.17	314.36	NA
S-4	06/16/1994	90	NA	12	<0.5	1.8	2.4	NA	NA	328.53	14.14	314.39	NA
S-4 (D)	06/16/1994	80	NA	5.9	<0.5	1.5	0.9	NA	NA	328.53	14.14	314.39	NA

**WELL CONCENTRATIONS**  
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**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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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S-4	09/13/1994	<50	NA	23	<0.5	4.9	2.4	NA	NA	328.53	14.42	314.11	NA
S-4 (D)	09/13/1994	<50	NA	23	<0.5	4	2.3	NA	NA	328.53	14.42	314.11	NA
S-4	06/21/1995	270	NA	34	1.4	25	7.6	NA	NA	328.53	13.82	314.71	NA
S-4 (D)	06/21/1995	280	NA	35	2.1	26	8.4	NA	NA	328.53	13.82	314.71	NA
S-4	06/12/1996	360	NA	52	<0.5	<0.5	<0.5	92	NA	328.53	13.64	314.89	NA
S-4 (D)	06/12/1996	430	NA	54	<1.2	72	21	96	NA	328.53	13.64	314.89	NA
S-4	06/25/1997	6,700	NA	93	1,200	240	1,300	6,900	6,800	328.53	13.74	314.79	0.6
S-4	06/19/1998	3,500	NA	56	15	140	670	2,100	NA	328.53	12.55	315.98	0.8
S-4 (D)	06/19/1998	3,000	NA	51	14	110	530	2,000	NA	328.53	12.55	315.98	0.8
S-4	06/17/1999	1,510	NA	28.4	9.84	176	132	1,780	NA	328.53	13.24	315.29	4.8
S-4	06/15/2000	<500	NA	12.0	<5.00	31.0	22.8	12,200	NA	328.53	13.65	314.88	2.1
S-4	11/29/2000	<500	NA	<5.00	<5.00	<5.00	<5.00	12,100	NA	328.53	14.23	314.30	1.8
S-4	03/07/2001	<500	NA	5.44	<5.00	6.49	<5.00	11,400	14,500	328.53	13.15	315.38	2.4
S-4	06/18/2001	<1,000	NA	<10	<10	<10	<10	NA	3,500	328.53	13.81	314.72	NA
S-4	09/17/2001	<500	NA	<5.0	<5.0	<5.0	<5.0	NA	7,700	328.53	14.29	314.24	NA
S-4	12/31/2001	<1,000	NA	<10	<10	<10	<10	NA	3,800	328.53	13.44	315.09	NA
S-4	03/13/2002	<2,500	NA	<25	<25	<25	<25	NA	18,000	328.53	14.42	314.11	NA
S-4	06/18/2002	<100	NA	1.1	<1.0	<1.0	<1.0	NA	530	328.53	15.19	313.34	NA
S-4	09/27/2002	<200	NA	<2.0	<2.0	<2.0	<2.0	NA	1,100	328.11	14.32	313.79	NA
S-4	12/27/2002	280	NA	3.5	<2.5	17	4.7	NA	390	328.11	13.50	314.61	NA
S-4	03/24/2003	<2,500	NA	<25	<25	<25	<50	NA	780	328.11	14.56	313.55	NA
S-4	05/09/2003	<2,500	NA	<25	<25	<25	<50	NA	1,200	328.11	13.20	314.91	NA
S-4	07/08/2003	<2,500	NA	<25	<25	<25	<50	NA	1,700	328.11	20.87	307.24	NA

S-5	03/20/1991	310	NA	39	12	18	30	NA	NA	329.66	NA	NA	NA
S-5	06/26/1991	1,300	NA	250	62	120	180	NA	NA	329.66	NA	NA	NA
S-5	09/05/1991	4,700	NA	660	150	170	280	NA	NA	329.66	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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-5	12/13/1991	1,400	NA	580	19	110	80	NA	NA	329.66	17.48	312.18	NA
S-5	03/11/1992	<30	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	329.66	16.22	313.44	NA
S-5	06/24/1992	1,800	NA	380	52	120	180	NA	NA	329.66	17.47	312.19	NA
S-5	09/17/1992	2,200	NA	750	91	170	170	NA	NA	329.66	16.84	312.82	NA
S-5	12/11/1992	8,700	NA	1,600	66	48	340	NA	NA	329.66	16.37	313.29	NA
S-5	02/04/1993	150	NA	156	0.7	4.7	4	NA	NA	329.66	NA	NA	NA
S-5	06/03/1993	480	NA	140	3.4	17	14	NA	NA	329.66	NA	NA	NA
S-5	09/15/1993	80	NA	2.4	0.5	1.4	2.9	NA	NA	329.66	16.20	313.46	NA
S-5	12/09/1993	120	NA	0.56	<0.5	2.2	1.2	NA	NA	329.66	16.26	313.40	NA
S-5	03/04/1994	70	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	329.66	16.25	313.41	NA
S-5	06/16/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	329.66	16.04	313.62	NA
S-5	09/13/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	329.66	11.52	318.14	NA
S-5	06/21/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	329.66	14.50	315.16	NA
S-5	06/12/1996	<500	NA	6	<5.0	<5.0	<5.0	1,400	NA	329.66	12.53	317.13	NA
S-5	06/25/1997	<250	NA	<2.5	<2.5	<2.5	<2.5	1,100	NA	329.66	15.34	314.32	1.1
S-5	06/19/1998	<50	NA	1	<0.50	<0.50	<0.50	61	NA	329.66	13.71	315.95	3.6
S-5	06/17/1999	<50.0	NA	1.44	<0.500	<0.500	<0.500	336	NA	329.66	13.56	316.10	1.4
S-5	06/15/2000	<50.0	NA	0.820	<0.500	<0.500	<0.500	221	NA	329.66	15.00	314.66	2.7
S-5	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	183	NA	329.66	16.29	313.37	0.7
S-5	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	7.55	NA	329.66	15.49	314.17	2.5
S-5	06/18/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	11	329.66	15.50	314.16	NA
S-5	09/17/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	17	329.66	16.35	313.31	NA
S-5	12/31/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	329.66	12.80	316.86	NA
S-5	03/13/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	93	329.66	16.32	313.34	NA
S-5	06/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	130	329.66	17.00	312.66	NA
S-5	09/27/2002	<50	NA	0.88	<0.50	<0.50	<0.50	NA	280	329.36	16.34	313.02	NA
S-5	12/27/2002	<50	NA	1.9	<0.50	<0.50	<0.50	NA	87	329.36	15.45	313.91	NA

**WELL CONCENTRATIONS**  
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**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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-5	03/24/2003	<250	NA	2.5	<2.5	<2.5	<5.0	NA	220	329.36	16.70	312.66	NA
S-5	05/09/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	110	329.36	13.16	316.20	NA
S-5	07/08/2003	<1,000	NA	<10	<10	<10	<20	NA	320	329.36	19.00	310.36	NA
S-6	03/20/1991	130a	NA	606	0.6	0.7	3	NA	NA	327.62	NA	NA	NA
S-6	06/26/1991	120a	NA	3.8	0.8	<0.5	1.7	NA	NA	327.62	NA	NA	NA
S-6	09/05/1991	60	NA	<0.5	0.8	<0.5	0.5	NA	NA	327.62	NA	NA	NA
S-6	12/13/1991	150	NA	2.3	<0.5	<0.5	150	NA	NA	327.62	15.11	312.51	NA
S-6	03/11/1992	<30	NA	<0.3	<0.3	<0.5	<0.3	NA	NA	327.62	16.35	311.27	NA
S-6	06/24/1992	170	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.62	16.51	311.11	NA
S-6	09/17/1992	190	NA	<0.5	1.6	<0.5	1.2	NA	NA	327.62	14.33	313.29	NA
S-6	12/11/1992	180	NA	<0.5	0.8	<0.5	0.7	NA	NA	327.62	14.48	313.14	NA
S-6	02/04/1993	290	NA	<0.5	<0.5	<0.5	0.7	NA	NA	327.62	NA	NA	NA
S-6	06/03/1993	100	NA	1.2	<0.5	<0.5	<0.5	NA	NA	327.62	NA	NA	NA
S-6	09/15/1993	160	NA	1.4	<0.5	0.9	2	NA	NA	327.62	14.16	313.46	NA
S-6	12/09/1993	130	NA	2.3	2.6	5.1	6.2	NA	NA	327.62	14.68	312.94	NA
S-6	03/04/1994	220	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.62	14.42	313.20	NA
S-6	06/16/1994	60	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.62	14.92	312.70	NA
S-6	09/13/1994	<50	NA	<0.5	6	<0.5	<0.5	NA	NA	327.62	14.72	312.90	NA
S-6	06/21/1995	270	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.62	13.86	313.76	NA
S-6	06/12/1996	200	NA	2	<0.5	<0.5	<0.5	12	NA	327.62	13.90	313.72	NA
S-6	06/25/1997	180	NA	<0.50	0.61	<0.50	0.77	28	NA	327.62	13.64	313.98	1.8
S-6 (D)	06/25/1997	130	NA	<0.50	<0.50	<0.50	<0.50	21	NA	327.62	13.64	313.98	1.8
S-6	06/19/1998	100	NA	7.6	<0.50	<0.50	<0.50	27	NA	327.62	13.81	313.81	1.7
S-6	06/17/1999	114	NA	4.14	<0.500	<0.500	<0.500	19.9	NA	327.62	14.21	313.41	1.6
S-6	06/15/2000	367	NA	17.5	<0.500	<0.500	<0.500	1,050	NA	327.62	14.51	313.11	1.8
S-6	11/29/2000	154	NA	0.754	16.4	<0.500	1.05	5,470	NA	327.62	14.32	313.30	2.1

**WELL CONCENTRATIONS**  
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**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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-6	03/07/2001	183	NA	0.971	25.1	0.636	0.996	6,830	NA	327.62	15.39	312.23	1.7
S-6	06/18/2001	<2,000	NA	<20	<20	<20	<20	NA	8,200	327.62	14.72	312.90	NA
S-6	09/17/2001 c	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	5.7	327.62	16.69	310.93	NA
S-6	12/31/2001	260	NA	<0.50	<0.50	<0.50	<0.50	NA	11,000	327.62	13.99	313.63	NA
S-6	03/13/2002	440	NA	<2.5	<2.5	<2.5	<2.5	NA	930	327.62	15.10	312.52	NA
S-6	06/18/2002	340	NA	<1.0	<1.0	<1.0	<1.0	NA	560	327.62	15.24	312.38	NA
S-6	09/27/2002	<250	NA	<2.5	<2.5	<2.5	<2.5	NA	580	327.26	14.34	312.92	NA
S-6	12/27/2002	<500	NA	<5.0	<5.0	<5.0	<5.0	NA	230	327.26	14.30	312.96	NA
S-6	03/24/2003	<5,000	NA	<50	<50	<50	<100	NA	<500	327.26	14.37	312.89	NA
S-6	05/09/2003	<2,500	NA	<25	<25	<25	<50	NA	140	327.26	14.25	313.01	NA
S-6	07/08/2003	<2,500	NA	<25	<25	<25	<50	NA	100	327.26	15.37	311.89	NA
S-7	03/20/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.67	NA	NA	NA
S-7	06/26/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.67	NA	NA	NA
S-7	09/05/1991	<50	NA	<0.5	0.6	<0.5	<0.5	NA	NA	328.67	NA	NA	NA
S-7	12/13/1991	<50	NA	<0.6	<0.5	<0.5	<0.5	NA	NA	328.67	17.70	310.97	NA
S-7	03/11/1992	<50	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	328.67	17.06	311.61	NA
S-7	06/24/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.67	17.80	310.87	NA
S-7	09/17/1992	<50	NA	0.6	0.6	<0.5	<0.5	NA	NA	328.67	17.00	311.67	NA
S-7	12/11/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.67	17.35	311.32	NA
S-7	02/04/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.67	NA	NA	NA
S-7	06/03/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.67	NA	NA	NA
S-7	09/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	328.67	16.65	312.02	NA
S-7	12/09/1993	NA	NA	NA	NA	NA	NA	NA	NA	328.67	NA	NA	NA
S-7	09/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	328.67	16.83	311.84	NA
S-7	06/21/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.67	15.88	312.79	NA
S-7	06/12/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	328.67	16.22	312.45	NA

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S-7	06/25/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	328.67	16.12	312.55	3
S-7	06/19/1998	<50	NA	<0.50	<.050	<0.50	<0.50	<2.5	NA	328.67	14.81	313.86	2.6
S-7	06/17/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	328.67	15.91	312.76	5.1
S-7	06/15/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	7.32	NA	328.67	16.14	312.53	2.0
S-7	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	328.67	16.89	311.78	3.6
S-7	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	328.67	16.55	312.12	2.1
S-7	06/18/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	2.5	328.67	16.30	312.37	NA
S-7	09/17/2001 c	150	NA	<0.50	55	<0.50	<0.50	NA	8,300	328.67	14.23	314.44	NA
S-7	12/31/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	328.67	16.28	312.39	NA
S-7	03/13/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	5.9	328.67	17.41	311.26	NA
S-7	06/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	12	328.67	17.63	311.04	NA
S-7	09/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	10	328.41	16.96	311.45	NA
S-7	12/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	22	328.41	16.00	312.41	NA
S-7	03/24/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	21	328.41	17.12	311.29	NA
S-7	05/09/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	31	328.41	16.14	312.27	NA
S-7	07/08/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	36	328.41	17.42	310.99	NA
S-8	03/20/1991	<50a	NA	0.8	1.8	2.6	5.2	NA	NA	327.00	NA	NA	NA
S-8	06/26/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.00	NA	NA	NA
S-8	09/05/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.00	NA	NA	NA
S-8	12/13/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.00	15.73	311.27	NA
S-8	03/11/1992	<30	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	327.00	14.64	312.36	NA
S-8	06/24/1992	<50	NA	1.4	1.9	<0.5	<0.5	NA	NA	327.00	15.77	311.23	NA
S-8	09/17/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.00	15.37	311.63	NA
S-8	12/11/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.00	14.94	312.06	NA
S-8	02/04/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.00	NA	NA	NA
S-8	06/03/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.00	NA	NA	NA

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S-8	09/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	327.00	14.91	312.09	NA
S-8	12/09/1993	NA	NA	NA	NA	NA	NA	NA	NA	327.00	NA	NA	NA
S-8	09/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	327.00	15.16	313.08	NA
S-8	06/21/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.00	14.11	312.89	NA
S-8	06/12/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	327.00	14.20	312.80	NA
S-8	06/25/1997	170	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	327.00	14.42	312.58	0.5
S-8	06/19/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	327.00	13.49	313.51	2.2
S-8	06/17/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	327.00	14.07	312.93	0.9
S-8	06/15/2000	Well inaccessible		NA	NA	NA	NA	NA	NA	327.00	NA	NA	NA
S-8	06/21/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	21.0	NA	327.00	14.43	312.57	NA
S-8	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	9.46	NA	327.00	14.44	312.56	2.2
S-8	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	4.21	NA	327.00	13.69	313.31	2.1
S-8	06/18/2001	<50	NA	0.55	0.92	<0.50	0.51	NA	13	327.00	14.60	312.40	NA
S-8	09/17/2001	Unable to sample		NA	NA	NA	NA	NA	NA	327.00	15.07	311.93	NA
S-8	09/18/2001	Unable to sample		NA	NA	NA	NA	NA	NA	327.00	NA	NA	NA
S-8	12/31/2001	<50	NA	1.1	1.4	<0.50	<0.50	NA	8.4	327.00	14.02	312.98	NA
S-8	03/13/2002	Unable to sample		NA	NA	NA	NA	NA	NA	327.00	14.92	312.08	NA
S-8	06/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	19	327.00	15.37	311.63	NA
S-8	09/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	19	326.14	14.60	311.54	NA
S-8	12/27/2002	Well inaccessible		NA	NA	NA	NA	NA	NA	326.14	NA	NA	NA
S-8	01/07/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	326.14	NA	NA	NA
S-8	03/24/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	25	326.14	14.58	311.56	NA
S-8	05/09/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	24	326.14	13.45	312.69	NA
S-8	07/08/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	46	326.14	15.19	310.95	NA
S-9	03/20/1991	70a	NA	0.7	0.7	<0.5	1	NA	NA	328.24	NA	NA	NA
S-9	06/26/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	NA	NA	NA

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S-9	09/05/1991	<50	NA	<0.5	0.8	<0.5	<0.5	NA	NA	328.24	NA	NA	NA
S-9	12/13/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	18.18	310.06	NA
S-9	03/11/1992	<30	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	328.24	17.37	310.87	NA
S-9	06/24/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	18.45	309.79	NA
S-9	09/17/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	17.88	310.36	NA
S-9	12/11/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	17.34	310.90	NA
S-9	02/04/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	NA	NA	NA
S-9	06/03/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	NA	NA	NA
S-9	09/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	328.24	17.42	310.82	NA
S-9	12/09/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	16.89	311.35	NA
S-9	03/04/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	17.22	311.02	NA
S-9	06/16/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	17.46	310.78	NA
S-9	09/13/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	17.59	310.65	NA
S-9	06/21/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	17.03	311.21	NA
S-9	06/12/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	328.24	16.76	311.48	NA
S-9	06/25/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	2.8	NA	328.24	16.89	311.35	1
S-9	06/19/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	7.1	NA	328.24	15.59	312.65	3.8
S-9	06/17/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	15.3	NA	328.24	16.47	311.77	1.9
S-9	06/15/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	57.2	NA	328.24	16.11	312.13	1.1
S-9	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	76.5	NA	328.24	17.30	310.94	1.1
S-9	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	84.9	NA	328.24	19.42	308.82	1.1
S-9	06/18/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	86	328.24	17.22	311.02	NA
S-9	09/17/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	130	328.24	17.66	310.58	NA
S-9	12/31/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	120	328.24	17.65	310.59	NA
S-9	03/13/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	130	328.24	17.75	310.49	NA
S-9	06/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	160	328.24	19.59	308.65	NA
S-9	09/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	180	327.85	17.65	310.20	NA



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S-9	12/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	180	327.85	18.45	309.40	NA
S-9	03/24/2003	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	230	327.85	17.97	309.88	NA
S-9	05/09/2003	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	240	327.85	17.68	310.17	NA
S-9	07/08/2003	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	250	327.85	17.65	310.20	NA
S-10	03/20/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.55	NA	NA	NA
S-10	06/26/1991	50	NA	1.8	5.8	1.9	13	NA	NA	326.55	NA	NA	NA
S-10	09/05/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.55	NA	NA	NA
S-10	12/13/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.55	14.77	311.78	NA
S-10	03/11/1992	<30	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	326.55	14.16	312.39	NA
S-10	06/24/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.55	14.83	311.72	NA
S-10	09/17/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.55	13.85	312.70	NA
S-10	12/11/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.55	13.90	312.65	NA
S-10	02/04/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.55	NA	NA	NA
S-10	06/03/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.55	NA	NA	NA
S-10	09/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	326.55	13.66	312.89	NA
S-10	12/09/1993	NA	NA	NA	NA	NA	NA	NA	NA	326.55	NA	NA	NA
S-10	09/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	326.55	13.84	312.71	NA
S-10	06/21/1995	NA	NA	NA	NA	NA	NA	NA	NA	326.55	13.08	313.47	NA
S-10	06/12/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	326.55	13.34	313.21	NA
S-10	06/25/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	2.8	NA	326.55	13.28	313.27	2.4
S-10	06/19/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	326.55	12.41	314.14	1.8
S-10	06/17/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	326.55	12.81	313.74	2.0
S-10	06/15/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	326.55	13.27	313.28	2.1
S-10	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	326.55	13.98	312.57	2.4
S-10	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	326.55	13.40	313.15	2.5
S-10	06/18/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	3.7	326.55	13.29	313.26	NA

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S-10	09/17/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	326.55	13.61	312.94	NA
S-10	12/31/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	326.55	13.48	313.07	NA
S-10	03/13/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	326.55	14.66	311.89	NA
S-10	06/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	326.55	14.59	311.96	NA
S-10	09/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	325.87	13.21	312.66	NA
S-10	12/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	325.87	13.50	312.37	NA
S-10	03/24/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<5.0	325.87	16.60	309.27	NA
S-10	05/09/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.7	325.87	13.07	312.80	NA
S-10	07/08/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.7	325.87	14.10	311.77	NA
S-11	09/23/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	16.93	NA	NA
S-11	09/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	16.95	NA	NA
S-11	12/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	327.48	16.40	311.08	NA
S-11	03/24/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<5.0	327.48	17.25	310.23	NA
S-11	05/09/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.54	327.48	16.37	311.11	NA
S-11	07/08/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	327.48	17.17	310.31	NA
S-12	09/23/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.74	NA	NA
S-12	09/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	17.95	NA	NA
S-12	12/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	322.76	16.92	305.84	NA
S-12	03/24/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<5.0	322.76	16.53	306.23	NA
S-12	05/09/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.5	322.76	17.73	305.03	NA
S-12	07/08/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.2	322.76	17.18	305.58	NA
SR-1	03/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	329.78	16.34	313.44	NA
SR-1	06/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	329.78	16.72	313.06	NA
SR-1	12/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	329.78	15.31	314.47	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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
SR-1	03/11/2002 d	NA	NA	NA	NA	NA	NA	NA	NA	329.13	NA	NA	NA
SR-1	09/22/2003 d	NA	NA	NA	NA	NA	NA	NA	NA	328.33	NA	NA	NA
SR-2	03/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	328.35	14.39	313.96	NA
SR-2	06/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	328.35	14.48	313.87	NA
SR-2	12/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	328.35	13.62	314.73	NA
SR-2	09/27/2002	<1,000	NA	<10	<10	<10	<10	NA	5,000	327.91	14.20	313.71	NA
SR-2	12/27/2002	<1,000	NA	<10	<10	<10	<10	NA	4,800	327.91	13.33	314.58	NA
SR-2	03/24/2003	<5,000	NA	<50	<50	<50	<100	NA	10,000	327.91	13.75	314.16	NA
SR-2	05/09/2003	<5,000	NA	<50	<50	80	290	NA	13,000	327.91	13.40	314.51	NA
SR-2	07/08/2003	<5,000	NA	<50	<50	<50	<100	NA	12,000	327.31	30.48	296.83	NA
SR-3	03/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	329.11	14.66	314.45	NA
SR-3	06/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	329.11	14.96	314.15	NA
SR-3	12/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	329.11	13.60	315.51	NA
SR-3	09/27/2002	<2,500	NA	<25	<25	<25	<25	NA	11,000	328.65	14.75	313.90	NA
SR-3	12/27/2002	<2,000	NA	<20	<20	<20	<20	NA	5,100	328.65	13.65	315.00	NA
SR-3	03/24/2003	<2,500	NA	<25	<25	<25	<50	NA	3,700	328.65	13.52	315.13	NA
SR-3	05/09/2003	<1,000	NA	15	<10	19	48	NA	3,700	328.65	12.15	316.50	NA
SR-3	07/08/2003	<1,000	NA	<10	<10	<10	<20	NA	2,800	327.50	30.00	297.50	NA
T-1	06/18/2002	<5,000	NA	<50	<50	<50	<50	NA	20,000	NA	12.31	NA	NA
T-2	09/17/2001	<5,000	NA	<25	<25	<25	<25	NA	29,000	NA	11.48	NA	NA
T-2	12/31/2001	<5,000	NA	<50	<50	<50	<50	NA	31,000	NA	4.96	NA	NA
T-2	03/13/2002	<5,000	NA	<50	<50	<50	<50	NA	48,000	NA	9.76	NA	NA
T-2	06/18/2002	<20,000	NA	<200	<200	<200	<200	NA	100,000	NA	12.58	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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
T-2	09/27/2002	240	NA	0.55	2.8	1.8	2.6	NA	39	NA	8.15	NA	NA
T-2	12/27/2002	2,100	NA	7.8	17	<0.50	11	NA	790	NA	6.75	NA	NA
T-2	03/24/2003	550	NA	<2.5	<2.5	<2.5	<5.0	NA	310	NA	11.68	NA	NA
T-2	05/09/2003	220	NA	0.66	0.55	<0.50	1.8	NA	100	NA	6.40	NA	NA
T-2	07/08/2003	<500	NA	13	7.4	<5.0	22	NA	990	NA	8.16	NA	NA
T-3	06/18/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA
T-4	06/18/2002	<10,000	NA	<100	<100	<100	<200	NA	97,000	NA	13.50	NA	NA
T-4	12/27/2002	550	NA	5.3	16	0.60	39	NA	140	NA	7.65	NA	NA
T-4	03/24/2003	1,400	NA	<0.50	1.0	1.2	3.6	NA	15	NA	12.88	NA	NA
T-4	05/09/2003	<50	NA	<0.50	<0.50	<0.50	1.6	NA	14	NA	7.59	NA	NA
T-4	07/08/2003	730	NA	26	8.9	10	19	NA	1,000	NA	9.33	NA	NA
C-1	05/09/2003	NA	NA	NA	NA	NA	NA	NA	NA	331.33	28.50	302.83	NA
C-1	07/08/2003	NA	NA	NA	NA	NA	NA	NA	NA	331.33	28.50	302.83	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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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**Abbreviations:**

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

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

**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.

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, California.

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, California.

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

**Blaine Tech Services, Inc.**

July 21, 2003

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Attn.: Leon Gearhart  
Project#: 030708-RH1  
Project: 98995842  
Site: 3790 Hopyard Rd., Pleasanton

Dear Mr. Gearhart,

Attached is our report for your samples received on 07/08/2003 15:47  
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  
08/22/2003 unless you have requested otherwise.

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

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

Sincerely,



Tod Granicher  
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: 030708-RH1

98995842

Received: 07/08/2003 15:47

Site: 3790 Hopyard Rd., Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
S-2	07/08/2003 12:35	Water	1
S-3	07/08/2003 08:55	Water	2
S-4	07/08/2003 12:45	Water	3
S-5	07/08/2003 09:15	Water	4
S-6	07/08/2003 10:04	Water	5
S-7	07/08/2003 10:10	Water	6
S-8	07/08/2003 07:55	Water	7
S-9	07/08/2003 08:05	Water	8
S-10	07/08/2003 09:41	Water	9
S-11	07/08/2003 09:45	Water	10
S-12	07/08/2003 09:01	Water	11
T-2	07/08/2003 11:44	Water	12
T-4	07/08/2003 11:29	Water	13
SR-2	07/08/2003 08:30	Water	14
SR-3	07/08/2003 08:25	Water	15

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

07/21/2003 17:00

**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: 030708-RH1  
98995842

Received: 07/08/2003 15:47

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: S-2	Lab ID: 2003-07-0254 - 1
Sampled: 07/08/2003 12:35	Extracted: 7/18/2003 19:57
Matrix: Water	QC Batch#: 2003/07/18-1B.64
Analysis Flag: o ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	2000	ug/L	40.00	07/18/2003 19:57	
Benzene	ND	20	ug/L	40.00	07/18/2003 19:57	
Toluene	ND	20	ug/L	40.00	07/18/2003 19:57	
Ethylbenzene	ND	20	ug/L	40.00	07/18/2003 19:57	
Total xylenes	ND	40	ug/L	40.00	07/18/2003 19:57	
tert-Butyl alcohol (TBA)	4500	200	ug/L	40.00	07/18/2003 19:57	
Methyl tert-butyl ether (MTBE)	3200	20	ug/L	40.00	07/18/2003 19:57	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	105.3	76-130	%	40.00	07/18/2003 19:57	
Toluene-d8	99.0	78-115	%	40.00	07/18/2003 19:57	



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

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Project: 030708-RH1

98995842

Received: 07/08/2003 15:47

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	S-3	Lab ID:	2003-07-0254 - 2
Sampled:	07/08/2003 08:55	Extracted:	7/18/2003 20:20
Matrix:	Water	QC Batch#:	2003/07/18-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	07/18/2003 20:20	
Benzene	ND	0.50	ug/L	1.00	07/18/2003 20:20	
Toluene	ND	0.50	ug/L	1.00	07/18/2003 20:20	
Ethylbenzene	ND	0.50	ug/L	1.00	07/18/2003 20:20	
Total xylenes	ND	1.0	ug/L	1.00	07/18/2003 20:20	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	07/18/2003 20:20	
Methyl tert-butyl ether (MTBE)	1.7	0.50	ug/L	1.00	07/18/2003 20:20	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	106.5	76-130	%	1.00	07/18/2003 20:20	
Toluene-d8	99.5	78-115	%	1.00	07/18/2003 20:20	

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

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

Project: 030708-RH1  
98995842

Received: 07/08/2003 15:47

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: S-4	Lab ID: 2003-07-0254 - 3
Sampled: 07/08/2003 12:45	Extracted: 7/18/2003 20:42
Matrix: Water	QC Batch#: 2003/07/18-1B 64
Analysis Flag: o ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	2500	ug/L	50.00	07/18/2003 20:42	
Benzene	ND	25	ug/L	50.00	07/18/2003 20:42	
Toluene	ND	25	ug/L	50.00	07/18/2003 20:42	
Ethylbenzene	ND	25	ug/L	50.00	07/18/2003 20:42	
Total xylenes	ND	50	ug/L	50.00	07/18/2003 20:42	
tert-Butyl alcohol (TBA)	8700	250	ug/L	50.00	07/18/2003 20:42	
Methyl tert-butyl ether (MTBE)	1700	25	ug/L	50.00	07/18/2003 20:42	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	105.8	76-130	%	50.00	07/18/2003 20:42	
Toluene-d8	104.5	78-115	%	50.00	07/18/2003 20:42	

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

Blaine Tech Services, Inc.

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Project: 030708-RH1

98995842

Received: 07/08/2003 15:47

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: S-5	Lab ID: 2003-07-0254 - 4
Sampled: 07/08/2003 09:15	Extracted: 7/18/2003 21:04
Matrix: Water	QC Batch#: 2003/07/18-1B.64
Analysis Flag: 0 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/L	20.00	07/18/2003 21:04	
Benzene	ND	10	ug/L	20.00	07/18/2003 21:04	
Toluene	ND	10	ug/L	20.00	07/18/2003 21:04	
Ethylbenzene	ND	10	ug/L	20.00	07/18/2003 21:04	
Total xylenes	ND	20	ug/L	20.00	07/18/2003 21:04	
tert-Butyl alcohol (TBA)	ND	100	ug/L	20.00	07/18/2003 21:04	
Methyl tert-butyl ether (MTBE)	320	10	ug/L	20.00	07/18/2003 21:04	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	105.1	76-130	%	20.00	07/18/2003 21:04	
Toluene-d8	101.3	78-115	%	20.00	07/18/2003 21:04	

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

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

Project: 030708-RH1  
98995842

Received: 07/08/2003 15:47

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: S-6	Lab ID: 2003-07-0254 - 5
Sampled: 07/08/2003 10:04	Extracted: 7/18/2003 21:26
Matrix: Water	QC Batch#: 2003/07/18-1B.64
Analysis Flag: 0 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	2500	ug/L	50.00	07/18/2003 21:26	
Benzene	ND	25	ug/L	50.00	07/18/2003 21:26	
Toluene	ND	25	ug/L	50.00	07/18/2003 21:26	
Ethylbenzene	ND	25	ug/L	50.00	07/18/2003 21:26	
Total xylenes	ND	50	ug/L	50.00	07/18/2003 21:26	
tert-Butyl alcohol (TBA)	8400	250	ug/L	50.00	07/18/2003 21:26	
Methyl tert-butyl ether (MTBE)	100	25	ug/L	50.00	07/18/2003 21:26	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	111.4	76-130	%	50.00	07/18/2003 21:26	
Toluene-d8	98.6	78-115	%	50.00	07/18/2003 21:26	

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

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Project: 030708-RH1  
98995842

Received: 07/08/2003 15:47

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: S-7	Lab ID: 2003-07-0254 - 6
Sampled: 07/08/2003 10:10	Extracted: 7/18/2003 21:48
Matrix: Water	QC Batch#: 2003/07/18-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	07/18/2003 21:48	
Benzene	ND	0.50	ug/L	1.00	07/18/2003 21:48	
Toluene	ND	0.50	ug/L	1.00	07/18/2003 21:48	
Ethylbenzene	ND	0.50	ug/L	1.00	07/18/2003 21:48	
Total xylenes	ND	1.0	ug/L	1.00	07/18/2003 21:48	
tert-Butyl alcohol (TBA)	6.5	5.0	ug/L	1.00	07/18/2003 21:48	
Methyl tert-butyl ether (MTBE)	36	0.50	ug/L	1.00	07/18/2003 21:48	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	106.6	76-130	%	1.00	07/18/2003 21:48	
Toluene-d8	102.4	78-115	%	1.00	07/18/2003 21:48	

Severn Trent Laboratories, Inc.

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

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07/21/2003 17:00

Page 7 of 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: 030708-RH1

98995842

Received: 07/08/2003 15:47

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: S-8	Lab ID: 2003-07-0254 - 7
Sampled: 07/08/2003 07:55	Extracted: 7/18/2003 22:11
Matrix: Water	QC Batch#: 2003/07/18-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	07/18/2003 22:11	
Benzene	ND	0.50	ug/L	1.00	07/18/2003 22:11	
Toluene	ND	0.50	ug/L	1.00	07/18/2003 22:11	
Ethylbenzene	ND	0.50	ug/L	1.00	07/18/2003 22:11	
Total xylenes	ND	1.0	ug/L	1.00	07/18/2003 22:11	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	07/18/2003 22:11	
Methyl tert-butyl ether (MTBE)	46	0.50	ug/L	1.00	07/18/2003 22:11	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	106.8	76-130	%	1.00	07/18/2003 22:11	
Toluene-d8	100.9	78-115	%	1.00	07/18/2003 22:11	

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

Blaine Tech Services, Inc.

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

Project: 030708-RH1  
98995842

Received: 07/08/2003 15:47

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: S-9	Lab ID: 2003-07-0254 - 8
Sampled: 07/08/2003 08:05	Extracted: 7/18/2003 23:39
Matrix: Water	QC Batch#: 2003/07/18-2A.64
Analysis Flag: o ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	250	ug/L	5.00	07/18/2003 23:39	
Benzene	ND	2.5	ug/L	5.00	07/18/2003 23:39	
Toluene	ND	2.5	ug/L	5.00	07/18/2003 23:39	
Ethylbenzene	ND	2.5	ug/L	5.00	07/18/2003 23:39	
Total xylenes	ND	5.0	ug/L	5.00	07/18/2003 23:39	
tert-Butyl alcohol (TBA)	ND	25	ug/L	5.00	07/18/2003 23:39	
Methyl tert-butyl ether (MTBE)	250	2.5	ug/L	5.00	07/18/2003 23:39	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	111.4	76-130	%	5.00	07/18/2003 23:39	
Toluene-d8	102.2	78-115	%	5.00	07/18/2003 23:39	

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

07/21/2003 17:00

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

Blaine Tech Services, Inc.

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1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 030708-RH1

98995842

Received: 07/08/2003 15:47

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	S-10	Lab ID:	2003-07-0254 -9
Sampled:	07/08/2003 09:41	Extracted:	7/19/2003 00:02
Matrix:	Water	QC Batch#:	2003/07/18-2A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	07/19/2003 00:02	
Benzene	ND	0.50	ug/L	1.00	07/19/2003 00:02	
Toluene	ND	0.50	ug/L	1.00	07/19/2003 00:02	
Ethylbenzene	ND	0.50	ug/L	1.00	07/19/2003 00:02	
Total xylenes	ND	1.0	ug/L	1.00	07/19/2003 00:02	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	07/19/2003 00:02	
Methyl tert-butyl ether (MTBE)	1.7	0.50	ug/L	1.00	07/19/2003 00:02	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	110.7	76-130	%	1.00	07/19/2003 00:02	
Toluene-d8	101.4	78-115	%	1.00	07/19/2003 00:02	

Severn Trent Laboratories, Inc.

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

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07/21/2003 17:00

Page 10 of 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: 030708-RH1  
98995842

Received: 07/08/2003 15:47

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: S-11	Lab ID: 2003-07-0254 - 10
Sampled: 07/08/2003 09:45	Extracted: 7/19/2003 00:24
Matrix: Water	QC Batch#: 2003/07/18-2A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	07/19/2003 00:24	
Benzene	ND	0.50	ug/L	1.00	07/19/2003 00:24	
Toluene	ND	0.50	ug/L	1.00	07/19/2003 00:24	
Ethylbenzene	ND	0.50	ug/L	1.00	07/19/2003 00:24	
Total xylenes	ND	1.0	ug/L	1.00	07/19/2003 00:24	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	07/19/2003 00:24	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	07/19/2003 00:24	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	113.2	76-130	%	1.00	07/19/2003 00:24	
Toluene-d8	103.0	78-115	%	1.00	07/19/2003 00:24	

**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: 030708-RH1  
98995842

Received: 07/08/2003 15:47

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	S-12	Lab ID:	2003-07-0254 - 11
Sampled:	07/08/2003 09:01	Extracted:	7/19/2003 01:30
Matrix:	Water	QC Batch#:	2003/07/18-2A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	07/19/2003 01:30	
Benzene	ND	0.50	ug/L	1.00	07/19/2003 01:30	
Toluene	ND	0.50	ug/L	1.00	07/19/2003 01:30	
Ethylbenzene	ND	0.50	ug/L	1.00	07/19/2003 01:30	
Total xylenes	ND	1.0	ug/L	1.00	07/19/2003 01:30	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	07/19/2003 01:30	
Methyl tert-butyl ether (MTBE)	1.2	0.50	ug/L	1.00	07/19/2003 01:30	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	102.4	76-130	%	1.00	07/19/2003 01:30	
Toluene-d8	99.3	78-115	%	1.00	07/19/2003 01:30	

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

Blaine Tech Services, Inc.

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

Project: 030708-RH1  
98995842

Received: 07/08/2003 15:47

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: T-2	Lab ID: 2003-07-0254 - 12
Sampled: 07/08/2003 11:44	Extracted: 7/19/2003 01:53
Matrix: Water	QC Batch#: 2003/07/18-2A.64
Analysis Flag: 0 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	500	ug/L	10.00	07/19/2003 01:53	
Benzene	13	5.0	ug/L	10.00	07/19/2003 01:53	
Toluene	7.4	5.0	ug/L	10.00	07/19/2003 01:53	
Ethylbenzene	ND	5.0	ug/L	10.00	07/19/2003 01:53	
Total xylenes	22	10	ug/L	10.00	07/19/2003 01:53	
tert-Butyl alcohol (TBA)	120	50	ug/L	10.00	07/19/2003 01:53	
Methyl tert-butyl ether (MTBE)	990	5.0	ug/L	10.00	07/19/2003 01:53	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	116.1	76-130	%	10.00	07/19/2003 01:53	
Toluene-d8	102.7	78-115	%	10.00	07/19/2003 01:53	

Severn Trent Laboratories, Inc.

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07/21/2003 17:00

**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: 030708-RH1

98995842

Received: 07/08/2003 15:47

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: T-4	Lab ID: 2003-07-0254 - 13
Sampled: 07/08/2003 11:29	Extracted: 7/19/2003 02:15
Matrix: Water	QC Batch#: 2003/07/18-2A.64
Analysis Flag: 0 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	730	500	ug/L	10.00	07/19/2003 02:15	
Benzene	26	5.0	ug/L	10.00	07/19/2003 02:15	
Toluene	8.9	5.0	ug/L	10.00	07/19/2003 02:15	
Ethylbenzene	10	5.0	ug/L	10.00	07/19/2003 02:15	
Total xylenes	19	10	ug/L	10.00	07/19/2003 02:15	
tert-Butyl alcohol (TBA)	150	50	ug/L	10.00	07/19/2003 02:15	
Methyl tert-butyl ether (MTBE)	1000	5.0	ug/L	10.00	07/19/2003 02:15	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	112.7	76-130	%	10.00	07/19/2003 02:15	
Toluene-d8	100.8	78-115	%	10.00	07/19/2003 02:15	

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07/21/2003 17:00

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**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: 030708-RH1

98995842

Received: 07/08/2003 15:47

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: SR-2	Lab ID: 2003-07-0254 - 14
Sampled: 07/08/2003 08:30	Extracted: 7/21/2003 11:20
Matrix: Water	QC Batch#: 2003/07/21-1C 64
Analysis Flag: 0 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	5000	ug/L	100.00	07/21/2003 11:20	
Benzene	ND	50	ug/L	100.00	07/21/2003 11:20	
Toluene	ND	50	ug/L	100.00	07/21/2003 11:20	
Ethylbenzene	ND	50	ug/L	100.00	07/21/2003 11:20	
Total xylenes	ND	100	ug/L	100.00	07/21/2003 11:20	
tert-Butyl alcohol (TBA)	4800	500	ug/L	100.00	07/21/2003 11:20	
Methyl tert-butyl ether (MTBE)	12000	50	ug/L	100.00	07/21/2003 11:20	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	114.0	76-130	%	100.00	07/21/2003 11:20	
Toluene-d8	101.8	78-115	%	100.00	07/21/2003 11:20	

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

Blaine Tech Services, Inc.

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Project: 030708-RH1  
98995842

Received: 07/08/2003 15:47

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: SR-3	Lab ID: 2003-07-0254-15
Sampled: 07/08/2003 08:25	Extracted: 7/21/2003 13:11
Matrix: Water	QC Batch#: 2003/07/21-1C.64
Analysis Flag: 0 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/L	20.00	07/21/2003 13:11	
Benzene	ND	10	ug/L	20.00	07/21/2003 13:11	
Toluene	ND	10	ug/L	20.00	07/21/2003 13:11	
Ethylbenzene	ND	10	ug/L	20.00	07/21/2003 13:11	
Total xylenes	ND	20	ug/L	20.00	07/21/2003 13:11	
tert-Butyl alcohol (TBA)	8300	100	ug/L	20.00	07/21/2003 13:11	
Methyl tert-butyl ether (MTBE)	2800	10	ug/L	20.00	07/21/2003 13:11	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	116.4	76-130	%	20.00	07/21/2003 13:11	
Toluene-d8	100.1	78-115	%	20.00	07/21/2003 13:11	

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

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Project: 030708-RH1  
98995842

Received: 07/08/2003 15:47

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 5030B		Water		Test(s): 8260FAB	
Method Blank				QC Batch # 2003/07/18-1B.64	
MB: 2003/07/18-1B.64-043				Date Extracted: 07/18/2003 11:43	
Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	07/18/2003 11:43	
Benzene	ND	0.5	ug/L	07/18/2003 11:43	
Toluene	ND	0.5	ug/L	07/18/2003 11:43	
Ethylbenzene	ND	0.5	ug/L	07/18/2003 11:43	
Total xylenes	ND	1.0	ug/L	07/18/2003 11:43	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	07/18/2003 11:43	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	07/18/2003 11:43	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	99.8	76-130	%	07/18/2003 11:43	
Toluene-d8	100.0	78-115	%	07/18/2003 11:43	

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

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Project: 030708-RH1  
98995842

Received: 07/08/2003 15:47

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 5030B	Water			Test(s): 8260FAB	
Method Blank				QC Batch # 2003/07/18-2A.64	
MB: 2003/07/18-2A.64-017				Date Extracted: 07/18/2003 23:17	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	07/18/2003 23:17	
Benzene	ND	0.5	ug/L	07/18/2003 23:17	
Toluene	ND	0.5	ug/L	07/18/2003 23:17	
Ethylbenzene	ND	0.5	ug/L	07/18/2003 23:17	
Total xylenes	ND	1.0	ug/L	07/18/2003 23:17	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	07/18/2003 23:17	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	07/18/2003 23:17	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	99.6	76-130	%	07/18/2003 23:17	
Toluene-d8	96.0	78-115	%	07/18/2003 23:17	



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

Blaine Tech Services, Inc.

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

Project: 030708-RH1  
98995842

Received: 07/08/2003 15:47

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 5030B				Test(s): 8260FAB	
Method Blank		Water		QC Batch # 2003/07/21-1C.64	
MB: 2003/07/21-1C.64-D30				Date Extracted: 07/21/2003 10:30	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	07/21/2003 10:30	
Benzene	ND	0.5	ug/L	07/21/2003 10:30	
Toluene	ND	0.5	ug/L	07/21/2003 10:30	
Ethylbenzene	ND	0.5	ug/L	07/21/2003 10:30	
Total xylenes	ND	1.0	ug/L	07/21/2003 10:30	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	07/21/2003 10:30	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	07/21/2003 10:30	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	99.6	76-130	%	07/21/2003 10:30	
Toluene-d8	96.6	78-115	%	07/21/2003 10:30	

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

Blaine Tech Services, Inc.

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Project: 030708-RH1  
98995842

Received: 07/08/2003 15:47

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 5030B			Test(s): 8260FAB		
Laboratory Control Spike		Water		QC Batch # 2003/07/18-1B.64	
LCS	2003/07/18-1B.64-060	Extracted:	07/18/2003	Analyzed:	07/18/2003 10:59
LCSD	2003/07/18-1B.64-061	Extracted:	07/18/2003	Analyzed:	07/18/2003 11:21

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	19.9	18.7	25	79.6	74.8	6.2	69-129	20		
Toluene	20.5	20.5	25	82.0	82.0	0.0	70-130	20		
Methyl tert-butyl ether (MTBE)	23.2	23.1	25	92.8	92.4	0.4	65-165	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	520	515	500	104.0	103.0		76-130			
Toluene-d8	514	520	500	102.8	104.0		78-115			

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

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Project: 030708-RH1  
98995842

Received: 07/08/2003 15:47

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report			
Prep(s): 5030B	Test(s): 8260FAB		
Laboratory Control Spike	Water	QC Batch # 2003/07/18-2A.64	
LCS 2003/07/18-2A.64-033	Extracted: 07/18/2003	Analyzed: 07/18/2003 22:33	
LCSD 2003/07/18-2A.64-055	Extracted: 07/18/2003	Analyzed: 07/18/2003 22:55	

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	21.2	22.0	25	84.8	88.0	3.7	69-129	20		
Toluene	21.9	23.4	25	87.6	93.6	6.6	70-130	20		
Methyl tert-butyl ether (MTBE)	24.9	25.4	25	99.6	101.6	2.0	65-165	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	519	517	500	103.8	103.4		76-130			
Toluene-d8	496	499	500	99.2	99.8		78-115			

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

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Project: 030708-RH1  
98995842

Received: 07/08/2003 15:47

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report			
Prep(s): 5030B		Test(s): 8260FAB	
Laboratory Control Spike		Water	QC Batch # 2003/07/21-1C.64
LCS	2003/07/21-1C.64-046	Extracted: 07/21/2003	Analyzed: 07/21/2003 09:46
LCSD	2003/07/21-1C.64-008	Extracted: 07/21/2003	Analyzed: 07/21/2003 10:08

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	22.6	21.7	25	90.4	86.8	4.1	69-129	20		
Toluene	22.7	21.7	25	90.8	86.8	4.5	70-130	20		
Methyl tert-butyl ether (MTBE)	26.1	24.9	25	104.4	99.6	4.7	65-165	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	532	512	500	106.4	102.4		76-130			
Toluene-d8	526	526	500	105.2	105.2		78-115			

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

Blaine Tech Services, Inc.

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

Project: 030708-RH1  
98995842

Received: 07/08/2003 15:47

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report			
Prep(s):	5030B		Test(s): 8260FAB
Matrix Spike (MS / MSD)		Water	QC Batch # 2003/07/18-2A.64
S-11 >> MS			Lab ID: 2003-07-0254-010
MS	2003/07/18-2A.64-046	Extracted: 07/19/2003	Analyzed: 07/19/2003 00:46
			Dilution: 1.00
MSD	2003/07/18-2A.64-008	Extracted: 07/19/2003	Analyzed: 07/19/2003 01:08
			Dilution: 1.00

Compound	Conc. ug/L			Spk Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	22.7	22.8	ND	25	90.8	91.2	0.4	69-129	20		
Toluene	23.3	24.0	ND	25	93.2	96.0	3.0	70-130	20		
Methyl tert-butyl ether	25.4	28.7	ND	25	101.6	114.8	12.2	65-165	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	528	551		500	105.6	110.2		76-130			
Toluene-d8	489	512		500	97.7	102.5		78-115			

Severn Trent Laboratories, Inc.

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07/21/2003 17:00

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

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Project: 030708-RH1

98995842

Received: 07/08/2003 15:47

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.

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07/21/2003 17:00

Page 24 of 24

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be Invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- OTHER/CUSTOM

Karen Petryna

2003-07-0254

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 8 4 2

SAP or CRMT NUMBER (TS/CRMT)

DATE: 7/8/03

PAGE: 1 of 2

<b>PURCHASER COMPANY</b> Blaine Tech Services ADDRESS 1680 Rogers Avenue, San Jose, CA 95112 PROJECT CONTACT (including a P&ID Report #) Leon Gearhart TELEPHONE 408-573-0855 FAX 408-573-7771 E-MAIL gearhart@blainetech.com		<b>LOG CODE</b> BTSS		<b>SITE ADDRESS (Street and City)</b> 3790 Hopyard Rd., Pleasanton		<b>BLORL ID NO.</b> T0600101257			
ADDRESS 1680 Rogers Avenue, San Jose, CA 95112		<b>EDUCATION</b> (to Responsible Party or Designer) Ana Friel		<b>PHONE NO.</b> (707) 442-2700		<b>E-MAIL</b> sonomaedf@cambris-env.com			
<b>CONSULTANT PROJECT NO.</b> STS# 020713-241		<b>SAMPLER NAME(S) (Print)</b> Ryan Hanstedt      Aaron Costa		<b>LAB USE ONLY</b>					
<b>TURNAROUND TIME (BUSINESS DAYS):</b> <input checked="" type="checkbox"/> 10 DAYS <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS				<b>REQUESTED ANALYSIS</b>					
<input type="checkbox"/> LA - RVOCR REPORT FORMAT <input type="checkbox"/> UST AGENCY									
<b>GC/MS-MTBE CONFIRMATION:</b> HIGHEST _____ HIGHEST PER BORING _____ ALL _____									
<b>SPECIAL INSTRUCTIONS OR NOTES:</b> CHECK BOX IF EOC IS NOT NEEDED <input type="checkbox"/>									

FIELD NOTES:

Contains Preservative  
or PID Readings  
or Laboratory Notes

3.1°C

TEMPERATURE ON RECEIPT (C)

TSR USE ONLY	Field Sample Identification		SAMPLING		MATRIX	NO. OF CONT.	TPH - Oil, Petroleum (8260B)	BTEX (8260B)	MTBE (8260B - 5ppm RL)	MTBE (8260B - 0.0ppm RL)	Oxygenates (0.1 by 8260B)	Ethanol (8260B)	Methanol	EPA 6.1A-DCA (8260B)	TBA (8260B)
			DATE	TIME											
	5-2		7/8/03	1235	6W	3	X	X	X						X
	5-3			855			X	X	X						X
	5-4			845			X	X	X						X
	5-5			915			X	X	X						X
	5-6			1009			X	X	X						X
	5-7			1010			X	X	X						X
	5-8			755			X	X	X						X
	5-9			805			X	X	X						X
	5-10			941			X	X	X						X
	5-11			945			X	X	X						X

Released by (Signature) 	Received by (Signature) 	Date 7/8/03	Time 1544
Released by (Signature) 	Received by (Signature) 	Date 7/8/03	Time 1806
Released by (Signature) 	Received by (Signature) 	Date 7/8/03	Time 1806





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

**Cambria Environmental Emeryville**

July 11, 2003

5900 Hollis Street, Ste. A  
Emeryville, CA 94608

Attn.: Erick Ziekler

Project#: 245-0497

Project: 98995842

Site: 3790 Hopyard Rd., Pleasanton

Attached is our report for your samples received on 07/02/2003 11:40

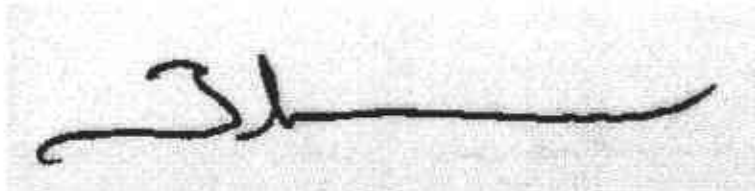
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 08/16/2003 unless you have requested otherwise.

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

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

Sincerely,



Tod Granicher  
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 (C10-C24) by 8015m**

Cambria Environmental Emeryville

Attn.: Erick Ziekler

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3308 Fax: (510) 420-9170

Project: 245-0497

98995842

Received: 07/02/2003 11:40

Site: 3790 Hopyard Rd., Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
INF	07/01/2003 16:30	Water	1
EFF	07/01/2003 16:30	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

07/09/2003 16:56

**Diesel (C10-C24) by 8015m**

Cambria Environmental Emeryville

Attn.: Erick Ziekler

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3308 Fax: (510) 420-9170

Project: 245-0497  
98995842

Received: 07/02/2003 11:40

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 3510/8015M	Test(s): 8015M
Sample ID: INF	Lab ID: 2003-07-0130 - 1
Sampled: 07/01/2003 16:30	Extracted: 7/8/2003 09:35
Matrix: Water	QC Batch#: 2003/07/08-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	810	50	ug/L	1.00	07/08/2003 22:31	ndp
<b>Surrogates(s)</b>						
o-Terphenyl	106.7	60-130	%	1.00	07/08/2003 22:31	

**Diesel (C10-C24) by 8015m**

Cambria Environmental Emeryville

Attn.: Erick Ziekler

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3308 Fax: (510) 420-9170

Project: 245-0497

98995842

Received: 07/02/2003 11:40

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 3510/8015M	Test(s): 8015M
Sample ID: EFF	Lab ID: 2003-07-0130 - 4
Sampled: 07/01/2003 16:30	Extracted: 7/8/2003 09:35
Matrix: Water	QC Batch#: 2003/07/08-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	200	50	ug/L	1.00	07/08/2003 23:11	ndp
<b>Surrogates(s)</b>						
o-Terphenyl	102.9	60-130	%	1.00	07/08/2003 23:11	

**Diesel (C10-C24) by 8015m**

Cambria Environmental Emeryville

Attn.: Erick Ziekler

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3308 Fax: (510) 420-9170

Project: 245-0497  
98995842

Received: 07/02/2003 11:40

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 3510/8015M				Test(s): 8015M	
Method Blank		Water		QC Batch # 2003/07/08-05.10	
MB: 2003/07/08-05.10-001				Date Extracted: 07/08/2003 09:35	

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	07/09/2003 02:56	
<b>Surrogates(s)</b> o-Terphenyl	91.0	60-130	%	07/09/2003 02:56	

**Diesel (C10-C24) by 8015m**

Cambria Environmental Emeryville

Attn.: Erick Ziekler

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3308 Fax: (510) 420-9170

Project: 245-0497  
98995842

Received: 07/02/2003 11:40

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report										
Prep(s): 3510/8015M						Test(s): 8015M				
Laboratory Control Spike			Water			QC Batch # 2003/07/08-05.10				
LCS	2003/07/08-05.10-002		Extracted: 07/08/2003			Analyzed: 07/09/2003 01:54				
LCSD	2003/07/08-05.10-003		Extracted: 07/08/2003			Analyzed: 07/09/2003 02:25				
Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	865	939	1000	86.5	93.9	8.2	60-130	25		
<i>Surrogates(s)</i> o-Terphenyl	18.0	19.8	20.0	90.2	99.1		60-130	0		

**Diesel (C10-C24) by 8015m**

Cambria Environmental Emeryville

Attn.: Erick Ziekler

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3308 Fax: (510) 420-9170

Project: 245-0497

98995842

Received: 07/02/2003 11:40

Site: 3790 Hopyard Rd., Pleasanton

**Legend and Notes**

**Result Flag**

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard



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

Cambria Environmental Emeryville

Attn.: Erick Ziekler

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3308 Fax: (510) 420-9170Project: 245-0497  
98995842

Received: 07/02/2003 11:40

Site: 3790 Hopyard Rd., Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
INF	07/01/2003 16:30	Water	1
MID-1	07/01/2003 16:30	Water	2
MID-2	07/01/2003 16:30	Water	3
EFF	07/01/2003 16:30	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

07/11/2003 16:09

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

Cambria Environmental Emeryville

Attn.: Erick Ziekler

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3308 Fax: (510) 420-9170

Project: 245-0497

98995842

Received: 07/02/2003 11:40

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	INF	Lab ID:	2003-07-0130 - 1
Sampled:	07/01/2003 16:30	Extracted:	7/11/2003 13:09
Matrix:	Water	QC Batch#:	2003/07/11-1A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	2500	ug/L	50.00	07/11/2003 13:09	
Benzene	ND	25	ug/L	50.00	07/11/2003 13:09	
Toluene	ND	25	ug/L	50.00	07/11/2003 13:09	
Ethylbenzene	ND	25	ug/L	50.00	07/11/2003 13:09	
Total xylenes	57	50	ug/L	50.00	07/11/2003 13:09	
tert-Butyl alcohol (TBA)	5600	250	ug/L	50.00	07/11/2003 13:09	
Methyl tert-butyl ether (MTBE)	3400	25	ug/L	50.00	07/11/2003 13:09	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	101.0	76-130	%	50.00	07/11/2003 13:09	
Toluene-d8	102.6	78-115	%	50.00	07/11/2003 13:09	

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

Cambria Environmental Emeryville

Attn.: Erick Ziekler

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3308 Fax: (510) 420-9170

Project: 245-0497  
98995842

Received: 07/02/2003 11:40

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MID-1	Lab ID: 2003-07-0130 - 2
Sampled: 07/01/2003 16:30	Extracted: 7/11/2003 13:32
Matrix: Water	QC Batch#: 2003/07/11-1A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	07/11/2003 13:32	
Benzene	ND	0.50	ug/L	1.00	07/11/2003 13:32	
Toluene	ND	0.50	ug/L	1.00	07/11/2003 13:32	
Ethylbenzene	ND	0.50	ug/L	1.00	07/11/2003 13:32	
Total xylenes	ND	1.0	ug/L	1.00	07/11/2003 13:32	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	07/11/2003 13:32	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	07/11/2003 13:32	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	91.0	76-130	%	1.00	07/11/2003 13:32	
Toluene-d8	100.6	78-115	%	1.00	07/11/2003 13:32	

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

Cambria Environmental Emeryville

Attn.: Erick Ziekler

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3308 Fax: (510) 420-9170

Project: 245-0497  
98995842

Received: 07/02/2003 11:40

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MID-2	Lab ID: 2003-07-0130 - 3
Sampled: 07/01/2003 16:30	Extracted: 7/11/2003 13:54
Matrix: Water	QC Batch#: 2003/07/11-1A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	07/11/2003 13:54	
Benzene	ND	0.50	ug/L	1.00	07/11/2003 13:54	
Toluene	0.66	0.50	ug/L	1.00	07/11/2003 13:54	
Ethylbenzene	ND	0.50	ug/L	1.00	07/11/2003 13:54	
Total xylenes	ND	1.0	ug/L	1.00	07/11/2003 13:54	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	07/11/2003 13:54	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	07/11/2003 13:54	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	104.2	76-130	%	1.00	07/11/2003 13:54	
Toluene-d8	103.0	78-115	%	1.00	07/11/2003 13:54	

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

07/11/2003 16:09

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

Cambria Environmental Emeryville

Attn.: Erick Ziekler

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3308 Fax: (510) 420-9170

Project: 245-0497  
98995842

Received: 07/02/2003 11:40

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: EFF	Lab ID: 2003-07-0130 - 4
Sampled: 07/01/2003 16:30	Extracted: 7/11/2003 14:16
Matrix: Water	QC Batch#: 2003/07/11-1A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	07/11/2003 14:16	
Benzene	ND	0.50	ug/L	1.00	07/11/2003 14:16	
Toluene	ND	0.50	ug/L	1.00	07/11/2003 14:16	
Ethylbenzene	ND	0.50	ug/L	1.00	07/11/2003 14:16	
Total xylenes	ND	1.0	ug/L	1.00	07/11/2003 14:16	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	07/11/2003 14:16	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	07/11/2003 14:16	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	98.7	76-130	%	1.00	07/11/2003 14:16	
Toluene-d8	104.7	78-115	%	1.00	07/11/2003 14:16	

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

Cambria Environmental Emeryville

Attn.: Erick Ziekler

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3308 Fax: (510) 420-9170

Project: 245-0497  
98995842

Received: 07/02/2003 11:40

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 5030B				Test(s): 8260FAB	
Method Blank		Water		QC Batch # 2003/07/11-1A.65	
MB: 2003/07/11-1A.65-056				Date Extracted: 07/11/2003 10:56	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	07/11/2003 10:56	
Benzene	ND	0.5	ug/L	07/11/2003 10:56	
Toluene	ND	0.5	ug/L	07/11/2003 10:56	
Ethylbenzene	ND	0.5	ug/L	07/11/2003 10:56	
Total xylenes	ND	1.0	ug/L	07/11/2003 10:56	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	07/11/2003 10:56	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	07/11/2003 10:56	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	90.4	76-130	%	07/11/2003 10:56	
Toluene-d8	101.6	78-115	%	07/11/2003 10:56	

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

07/11/2003 16:09

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

Cambria Environmental Emeryville

Attn.: Erick Ziekler

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3308 Fax: (510) 420-9170

Project: 245-0497  
98995842

Received: 07/02/2003 11:40

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report										
Prep(s): 5030B						Test(s): 8260FAB				
Laboratory Control Spike				Water			QC Batch # 2003/07/11-1A.65			
LCS	2003/07/11-1A.65-018			Extracted: 07/11/2003			Analyzed: 07/11/2003 11:18			
LCSD	2003/07/11-1A.65-040			Extracted: 07/11/2003			Analyzed: 07/11/2003 11:40			
Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Benzene	20.8	21.5	25	83.2	86.0	3.3	69-129	20		
Toluene	21.1	21.7	25	84.4	86.8	2.8	70-130	20		
Methyl tert-butyl ether (MTBE)	18.7	18.5	25	74.8	74.0	1.1	65-165	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	461	455	500	92.2	91.0		76-130			
Toluene-d8	504	489	500	100.8	97.8		78-115			

1220 Quarry Lane

Pleasanton, CA 94588

(925) 484-1919 (925) 484-1066 fax

Shell Project Manager to be involved:

SCIENCE & ENGINEERING  
 TECHNICAL SERVICES  
 CSNY/HOUSTON

KAREN PETRYNA

2003-07-0130

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 8 4 2

SAP or ORMT NUMBER (TS/CRMT)

1 3 5 7 8 4

DATE: 7/1/03

PAGE: 1 of 1

CONSULTANT COMPANY:  
**CAMBRIA ENVIRONMENTAL TECHNOLOGY, INC**  
 ADDRESS: 5900 HOLLIS ST., Suite A  
 CITY: EMERYVILLE, CA 94608  
 TELEPHONE: 510-420-3308 FAX: 510-420-9170 EMAIL: ezickler@cambria-env

SITE ADDRESS (Street and City): 3790 HOPYARD ROAD, PLEASANTON  
 PROJECT CONTACT (Name): Eric Zickler  
 CONSULTANT PROJECT NO.: 245-0497  
 SAMPLE HANDS (Name): ERIC ZICKLER  
 LAB USE ONLY

TURNAROUND TIME (BUSINESS DAYS)  
 30 DAYS  5 DAYS  72 HOURS  48 HOURS  24 HOURS  LESS THAN 24 HOURS  
 LA - RWQCE REPORT FORMAT  LIST AGENCY  
 OCMAS MTE CONFIRMATION: HIGHEST HIGHEST per BORING ALL  
 SPECIAL INSTRUCTIONS OR NOTES: TEMPERATURE ON RECEIPT: °C

REQUESTED ANALYSIS

TPH - GAS Purgeable	TPH - DIESEL Extractable (B015m)	BTEX (B245B)	MTBE (B260B)	BA	F Oxygenates	1,2 DCA and EDB	Stibolol	Naphthalol	VOCs by E200B	Semi-Volatiles by E270C	Lead	D 915C	TCU	Metals LUPIS	D 915C	TCU	Metals CAM7	D 915C	TCU	Test for Disposal (40)
---------------------	----------------------------------	--------------	--------------	----	--------------	-----------------	----------	------------	---------------	-------------------------	------	--------	-----	--------------	--------	-----	-------------	--------	-----	------------------------

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

4.3 °C

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - GAS Purgeable	TPH - DIESEL Extractable (B015m)	BTEX (B245B)	MTBE (B260B)	BA	F Oxygenates	1,2 DCA and EDB	Stibolol	Naphthalol	VOCs by E200B	Semi-Volatiles by E270C	Lead	D 915C	TCU	Metals LUPIS	D 915C	TCU	Metals CAM7	D 915C	TCU	Test for Disposal (40)	FIELD NOTES
		DATE	TIME																								
	INF	7/1	16:30	H2O	5	X	X	X	X	X																	voa(HCl) 500ml Amber
	MID-1	7/1	16:30	H2O	4	X	X	X	X	X																	voa (HCl)
	MID-2	7/1	16:30	H2O	4	X	X	X	X	X																	voa (HCl)
	EFF	7/1	16:30	H2O	5	X	X	X	X	X																	voa(HCl) 500ml Amber

Retrieved by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 7/1/03	Time: 17:30
Retrieved by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 7-2-03	Time: 11:40
Retrieved by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 7/2/03	Time: 17:40



**Cambria Environmental Emeryville**

August 05, 2003

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Attn.: Cynthia Vasko

Project#: 245-0497

Project: 98995842

Site: 3790 Hopyard Rd., Pleasanton

Dear Ms. Vasko:

Attached is our report for your samples received on 07/21/2003 14:00

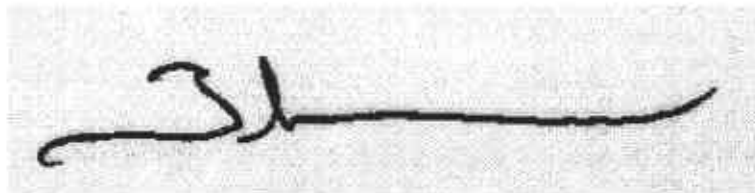
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 09/04/2003 unless you have requested otherwise.

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

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

Sincerely,



Tod Granicher  
Project Manager

Severn Trent Laboratories, Inc.

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

Tel 925 484 1919 Fax 925 484 1096 \* [www.stl-inc.com](http://www.stl-inc.com) \* CA DHS ELAP# 2496

**Gas/BTEX Fuel Oxygenates 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  
98995842

Received: 07/21/2003 14:00

Site: 3790 Hopyard Rd., Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
INF	07/21/2003 14:15	Water	1
MID-1	07/21/2003 14:10	Water	2
MID-2	07/21/2003 14:05	Water	3
EFF	07/21/2003 14:00	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

08/01/2003 16:15

**Gas/BTEX Fuel Oxygenates 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

98995842

Received: 07/21/2003 14:00

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: INF	Lab ID: 2003-07-0659 - 1
Sampled: 07/21/2003 14:15	Extracted: 7/30/2003 23:15
Matrix: Water	QC Batch#: 2003/07/30-1B.64
Analysis Flag: o ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	2500	ug/L	50.00	07/30/2003 23:15	
Benzene	ND	25	ug/L	50.00	07/30/2003 23:15	
Toluene	ND	25	ug/L	50.00	07/30/2003 23:15	
Ethylbenzene	ND	25	ug/L	50.00	07/30/2003 23:15	
Total xylenes	ND	50	ug/L	50.00	07/30/2003 23:15	
tert-Butyl alcohol (TBA)	6000	250	ug/L	50.00	07/30/2003 23:15	
Methyl tert-butyl ether (MTBE)	5400	25	ug/L	50.00	07/30/2003 23:15	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	119.9	76-130	%	50.00	07/30/2003 23:15	
Toluene-d8	102.2	78-115	%	50.00	07/30/2003 23:15	

**Gas/BTEX Fuel Oxygenates 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  
98995842

Received: 07/21/2003 14:00

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MID-1	Lab ID: 2003-07-0659 - 2
Sampled: 07/21/2003 14:10	Extracted: 7/31/2003 12:52
Matrix: Water	QC Batch#: 2003/07/31-1G.64
Analysis Flag: o ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	500	ug/L	10.00	07/31/2003 12:52	
Benzene	ND	5.0	ug/L	10.00	07/31/2003 12:52	
Toluene	ND	5.0	ug/L	10.00	07/31/2003 12:52	
Ethylbenzene	ND	5.0	ug/L	10.00	07/31/2003 12:52	
Total xylenes	ND	10	ug/L	10.00	07/31/2003 12:52	
tert-Butyl alcohol (TBA)	4500	50	ug/L	10.00	07/31/2003 12:52	
Methyl tert-butyl ether (MTBE)	160	5.0	ug/L	10.00	07/31/2003 12:52	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	113.4	76-130	%	10.00	07/31/2003 12:52	
Toluene-d8	104.1	78-115	%	10.00	07/31/2003 12:52	

**Gas/BTEX Fuel Oxygenates 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  
98995842

Received: 07/21/2003 14:00

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MID-2	Lab ID: 2003-07-0659 - 3
Sampled: 07/21/2003 14:05	Extracted: 7/31/2003 13:59
Matrix: Water	QC Batch#: 2003/07/31-1G.64
Analysis Flag: 0 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	250	ug/L	5.00	07/31/2003 13:59	
Benzene	ND	2.5	ug/L	5.00	07/31/2003 13:59	
Toluene	ND	2.5	ug/L	5.00	07/31/2003 13:59	
Ethylbenzene	ND	2.5	ug/L	5.00	07/31/2003 13:59	
Total xylenes	ND	5.0	ug/L	5.00	07/31/2003 13:59	
tert-Butyl alcohol (TBA)	1200	25	ug/L	5.00	07/31/2003 13:59	
Methyl tert-butyl ether (MTBE)	ND	2.5	ug/L	5.00	07/31/2003 13:59	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	114.5	76-130	%	5.00	07/31/2003 13:59	
Toluene-d8	107.5	78-115	%	5.00	07/31/2003 13:59	

Gas/BTEX Fuel Oxygenates 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  
98995842

Received: 07/21/2003 14:00

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: EFF	Lab ID: 2003-07-0659 - 4
Sampled: 07/21/2003 14:00	Extracted: 7/31/2003 14:21
Matrix: Water	QC Batch#: 2003/07/31-1G.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	07/31/2003 14:21	
Benzene	ND	0.50	ug/L	1.00	07/31/2003 14:21	
Toluene	ND	0.50	ug/L	1.00	07/31/2003 14:21	
Ethylbenzene	ND	0.50	ug/L	1.00	07/31/2003 14:21	
Total xylenes	ND	1.0	ug/L	1.00	07/31/2003 14:21	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	07/31/2003 14:21	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	07/31/2003 14:21	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	112.9	76-130	%	1.00	07/31/2003 14:21	
Toluene-d8	101.0	78-115	%	1.00	07/31/2003 14:21	

**Gas/BTEX Fuel Oxygenates 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  
98995842

Received: 07/21/2003 14:00

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 5030B		Water		Test(s): 8260FAB	
Method Blank				QC Batch # 2003/07/30-1B.64	
MB: 2003/07/30-1B.64-052				Date Extracted: 07/30/2003 15:52	
Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	07/30/2003 15:52	
Benzene	ND	0.5	ug/L	07/30/2003 15:52	
Toluene	ND	0.5	ug/L	07/30/2003 15:52	
Ethylbenzene	ND	0.5	ug/L	07/30/2003 15:52	
Total xylenes	ND	1.0	ug/L	07/30/2003 15:52	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	07/30/2003 15:52	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	07/30/2003 15:52	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	102.8	76-130	%	07/30/2003 15:52	
Toluene-d8	103.5	78-115	%	07/30/2003 15:52	

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

08/01/2003 16:15

Gas/BTEX Fuel Oxygenates 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  
98995842

Received: 07/21/2003 14:00

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 5030B		Water		Test(s): 8260FAB	
Method Blank				QC Batch # 2003/07/31-1G.64	
MB: 2003/07/31-1G.64-008				Date Extracted: 07/31/2003 10:08	
Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	07/31/2003 10:08	
Benzene	ND	0.5	ug/L	07/31/2003 10:08	
Toluene	ND	0.5	ug/L	07/31/2003 10:08	
Ethylbenzene	ND	0.5	ug/L	07/31/2003 10:08	
Total xylenes	ND	1.0	ug/L	07/31/2003 10:08	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	07/31/2003 10:08	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	07/31/2003 10:08	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	101.2	76-130	%	07/31/2003 10:08	
Toluene-d8	98.5	78-115	%	07/31/2003 10:08	



**Gas/BTEX Fuel Oxygenates 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  
98995842

Received: 07/21/2003 14:00

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report									
Prep(s): 5030B					Test(s): 8260FAB				
Laboratory Control Spike			Water			QC Batch # 2003/07/30-1B.64			
LCS	2003/07/30-1B.64-014		Extracted: 07/30/2003			Analyzed: 07/30/2003 16:14			
LCSD	2003/07/30-1B.64-030		Extracted: 07/30/2003			Analyzed: 07/30/2003 15:30			

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %			Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS	LCSD
Benzene	24.3	27.2	25	97.2	108.8	11.3	69-129	20			
Toluene	25.3	27.4	25	101.2	109.6	8.0	70-130	20			
Methyl tert-butyl ether (MTBE)	27.6	28.7	25	110.4	114.8	3.9	65-165	20			
<b>Surrogates(s)</b>											
1,2-Dichloroethane-d4	540	541	500	108.0	108.2		76-130				
Toluene-d8	521	535	500	104.2	107.0		78-115				

Severn Trent Laboratories, Inc.

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

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

08/01/2003 16:15

**Gas/BTEX Fuel Oxygenates 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

98995842

Received: 07/21/2003 14:00

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report										
Prep(s): 5030B						Test(s): 8260FAB				
Laboratory Control Spike				Water			QC Batch # 2003/07/31-1G.64			
LCS	2003/07/31-1G.64-024			Extracted: 07/31/2003			Analyzed: 07/31/2003 09:24			
LCSD	2003/07/31-1G.64-046			Extracted: 07/31/2003			Analyzed: 07/31/2003 09:46			
Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	23.0	22.6	25	92.0	90.4	1.8	69-129	20		
Toluene	24.6	24.4	25	98.4	97.6	0.8	70-130	20		
Methyl tert-butyl ether (MTBE)	25.4	24.5	25	101.6	98.0	3.6	65-165	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	511	507	500	102.2	101.4		76-130			
Toluene-d8	503	498	500	100.6	99.6		78-115			

**Gas/BTEX Fuel Oxygenates 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

98995842

Received: 07/21/2003 14:00

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

08/01/2003 16:15

## Diesel (C10-C24) by 8015m

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3344 Fax: (510) 420-9170Project: 245-0497  
98995842

Received: 07/21/2003 14:00

Site: 3790 Hopyard Rd., Pleasanton

## Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INF	07/21/2003 14:15	Water	1
EFF	07/21/2003 14:00	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

08/05/2003 13:07

**Diesel (C10-C24) by 8015m**

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

98995842

Received: 07/21/2003 14:00

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 3510/8015M	Test(s): 8015M
Sample ID: INF	Lab ID: 2003-07-0659 - 1
Sampled: 07/21/2003 14:15	Extracted: 8/1/2003 09:06
Matrix: Water	QC Batch#: 2003/08/01-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	67	50	ug/L	1.00	08/01/2003 14:02	ndp
<b>Surrogates(s)</b>						
o-Terphenyl	99.1	60-130	%	1.00	08/01/2003 14:02	

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

08/05/2003 13:07

**Diesel (C10-C24) by 8015m**

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

98995842

Received: 07/21/2003 14:00

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 3510/8015M	Test(s): 8015M
Sample ID: EFF	Lab ID: 2003-07-0659 - 4
Sampled: 07/21/2003 14:00	Extracted: 8/1/2003 09:06
Matrix: Water	QC Batch#: 2003/08/01-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	08/01/2003 14:02	
<b>Surrogates(s)</b> o-Terphenyl	96.1	60-130	%	1.00	08/01/2003 14:02	

**Diesel (C10-C24) by 8015m**

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  
98995842

Received: 07/21/2003 14:00

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 3510/8015M Method Blank MB: 2003/08/01-02.10-001			Test(s): 8015M QC Batch # 2003/08/01-02.10 Date Extracted: 08/01/2003 09:06		
Water					
Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	08/01/2003 20:40	
<b>Surrogates(s)</b> o-Terphenyl	48.0	60-130	%	08/01/2003 20:40	,or

**Diesel (C10-C24) by 8015m**

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  
98995842

Received: 07/21/2003 14:00

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report									
Prep(s): 3510/8015M						Test(s): 8015M			
Laboratory Control Spike			Water			QC Batch # 2003/08/01-02.10			
LCS	2003/08/01-02.10-002		Extracted: 08/01/2003			Analyzed: 08/01/2003 20:40			
LCSD	2003/08/01-02.10-003		Extracted: 08/01/2003			Analyzed: 08/01/2003 21:11			

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	726	833	1000	72.6	83.3	13.7	60-130	25		
<i>Surrogates(s)</i> o-Terphenyl	16.7	18.6	20.0	83.3	93.0		60-130	0		



**Diesel (C10-C24) by 8015m**

Cambria Environmental Emeryville

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

Project: 245-0497  
98995842

Received: 07/21/2003 14:00

Site: 3790 Hopyard Rd., Pleasanton

Legend and Notes

**QC Sample Comment**

Lab ID: MB 2003/08/01/02.10-1

or = surrogate recovery outside of reportable limit

**Result Flag**

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

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

08/05/2003 13:07

1220 Quarry Lane

Pleasanton, CA 94566

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

Shell Project Manager to be invoiced:

SCIENCE & ENGINEERING  
 TECHNICAL SERVICES  
 COURT HOUSTON

KAREN PETRYNA

2003-07-0659

INCIDENT NUMBER (SAE ONLY)  
 9 8 9 9 5 4 2  
 SAP or CRMT NUMBER (ITS/CRMT)  
 1 3 5 7 8 4

DATE: 7/21/03  
 PAGE: 1 of 1

CONTRACT COMMENT: CAMBRIA ENVIRONMENTAL TECHNOLOGY, INC  
 ADDRESS: 5900 HOLLIS ST., Suite A  
 CITY: EMERYVILLE, CA 94608  
 TELEPHONE: 510-420-3308 FAX: 510-420-9170 EMAIL: cvasko@cambria-env  
 SITE ADDRESS (Street and City): 3750 HOPYARD ROAD, PLEASANTON  
 PROJECT CONTACT PERSON: Cynthia Vasko  
 SAMPLER NAME(S) (PIC): D. Dose H  
 CONSULTANT PROJECT NO.: 245-0497  
 LAB USE ONLY:

TURNAROUND TIME (BUSINESS DAYS):  10 DAYS  5 DAYS  72 HOURS  48 HOURS  24 HOURS  LESS THAN 24 HOURS  
 LAB INVOICED REPORT FORMAT  USE AGENCY  
 GOALS MTBE CONFIRMATION: HIGHEST HIGHEST per BORING ALL  
 SPECIAL INSTRUCTIONS OR NOTES: TEMPERATURE ON RECEIPT

REQUESTED ANALYSIS

TPH - GAS Purgeable	TPH - DIESEL Extractable (M015m)	BTEX (R5500)	MTB (R5500a)	VBA	5 Oxygenates	1,2 DCA and EDX	Ethanol	Methanol	VOCs by R5500	Semi-Volatiles by R5700	Lead <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	Metals LUFTS <input type="checkbox"/> ATLS <input type="checkbox"/> TCE	Metals CAM17 <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	Test for Disposal (AB)	FIELD NOTES: Container/Preservative or PID Readings of Laboratory Notes  24.9°C (x4ms)
---------------------	----------------------------------	--------------	--------------	-----	--------------	-----------------	---------	----------	---------------	-------------------------	--	---	--	------------------------	---

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - GAS Purgeable	TPH - DIESEL Extractable (M015m)	BTEX (R5500)	MTB (R5500a)	VBA	5 Oxygenates	1,2 DCA and EDX	Ethanol	Methanol	VOCs by R5500	Semi-Volatiles by R5700	Lead <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	Metals LUFTS <input type="checkbox"/> ATLS <input type="checkbox"/> TCE	Metals CAM17 <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	Test for Disposal (AB)	FIELD NOTES: Container/Preservative or PID Readings of Laboratory Notes  24.9°C (x4ms)	
		DATE	TIME																			
	INF	7/16/03	1415	H2O	6	X	X	X	X	X												voa(HCl)/ 500ml Amber
	MID-1		1410	H2O	6	X	X	X	X													voa (HCl)
	MID-2		1405	H2O	5	X	X	X	X													voa (HCl)
	EFF	7/16/03	1400	H2O	6	X	X	X	X	X												voa(HCl)/ 500ml Amber

Retrieved by (Signature): *Dave Bud* Received by (Signature):  
 Date: 7/21/03 Time: 1400  
 Retrieved by (Signature): Retrieved by (Signature):  
 Date: Date: Time: Time:  
 Retrieved by (Signature): *Maura K. STL-SF* Received by (Signature):  
 Date: 7/21/03 Time: 1400

**Cambria Environmental Emeryville**

August 11, 2003

5900 Hollis Street, Ste. A  
Emeryville, CA 94608

Attn.: Cynthia Vasko

Project#: 245-0497

Project: 98995842

Site: 3790 Hopyard Blvd. Pleasanton

Dear Ms. Vasko:

Attached is our report for your samples received on 08/01/2003 12:20

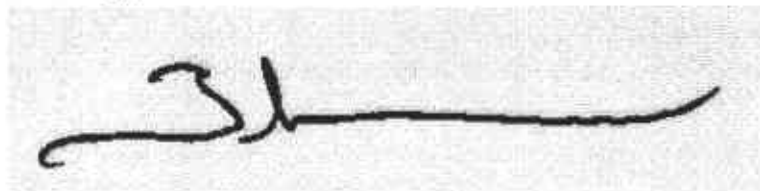
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 09/15/2003 unless you have requested otherwise.

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

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

Sincerely,



Tod Granicher  
Project Manager

Severn Trent Laboratories, Inc.

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

Tel 925 484 1919 Fax 925 484 1096 \* [www.stl-inc.com](http://www.stl-inc.com) \* CA DHS ELAP# 2496

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

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

98995842

Received: 08/01/2003 12:20

Site: 3790 Hopyard Blvd. Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
INF	08/01/2003 10:00	Water	1
MID-1	08/01/2003 09:55	Water	2
MID-2	08/01/2003 09:50	Water	3
EFF	08/01/2003 09:45	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  
98995842

Received: 08/01/2003 12:20

Site: 3790 Hopyard Blvd. Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: INF	Lab ID: 2003-08-0036 - 1
Sampled: 08/01/2003 10:00	Extracted: 8/9/2003 00:31
Matrix: Water	QC Batch#: 2003/08/08-2B.65
Analysis Flag: o ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1300	ug/L	25.00	08/09/2003 00:31	
Benzene	ND	13	ug/L	25.00	08/09/2003 00:31	
Toluene	ND	13	ug/L	25.00	08/09/2003 00:31	
Ethylbenzene	ND	13	ug/L	25.00	08/09/2003 00:31	
Total xylenes	ND	25	ug/L	25.00	08/09/2003 00:31	
Methyl tert-butyl ether (MTBE)	3700	13	ug/L	25.00	08/09/2003 00:31	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	107.5	76-130	%	25.00	08/09/2003 00:31	
Toluene-d8	106.2	78-115	%	25.00	08/09/2003 00:31	

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

08/11/2003 16:57

**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  
98995842

Received: 08/01/2003 12:20

Site: 3790 Hopyard Blvd. Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MID-1	Lab ID: 2003-08-0036 - 2
Sampled: 08/01/2003 09:55	Extracted: 8/9/2003 19:53
Matrix: Water	QC Batch#: 2003/08/09-1C.64
Analysis Flag: o ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	250	ug/L	5.00	08/09/2003 19:53	
Benzene	ND	2.5	ug/L	5.00	08/09/2003 19:53	
Toluene	ND	2.5	ug/L	5.00	08/09/2003 19:53	
Ethylbenzene	ND	2.5	ug/L	5.00	08/09/2003 19:53	
Total xylenes	ND	5.0	ug/L	5.00	08/09/2003 19:53	
Methyl tert-butyl ether (MTBE)	190	2.5	ug/L	5.00	08/09/2003 19:53	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	111.3	76-130	%	5.00	08/09/2003 19:53	
Toluene-d8	99.5	78-115	%	5.00	08/09/2003 19:53	

**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

98995842

Received: 08/01/2003 12:20

Site: 3790 Hopyard Blvd. Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MID-2	Lab ID: 2003-08-0036 - 3
Sampled: 08/01/2003 09:50	Extracted: 8/9/2003 01:15
Matrix: Water	QC Batch#: 2003/08/08-2B.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	54	50	ug/L	1.00	08/09/2003 01:15	g
Benzene	ND	0.50	ug/L	1.00	08/09/2003 01:15	
Toluene	ND	0.50	ug/L	1.00	08/09/2003 01:15	
Ethylbenzene	ND	0.50	ug/L	1.00	08/09/2003 01:15	
Total xylenes	ND	1.0	ug/L	1.00	08/09/2003 01:15	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/09/2003 01:15	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	104.5	76-130	%	1.00	08/09/2003 01:15	
Toluene-d8	110.2	78-115	%	1.00	08/09/2003 01:15	

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  
98995842

Received: 08/01/2003 12:20

Site: 3790 Hopyard Blvd. Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: EFF	Lab ID: 2003-08-0036 - 4
Sampled: 08/01/2003 09:45	Extracted: 8/9/2003 02:23
Matrix: Water	QC Batch#: 2003/08/08-2B.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/09/2003 02:23	
Benzene	ND	0.50	ug/L	1.00	08/09/2003 02:23	
Toluene	ND	0.50	ug/L	1.00	08/09/2003 02:23	
Ethylbenzene	ND	0.50	ug/L	1.00	08/09/2003 02:23	
Total xylenes	ND	1.0	ug/L	1.00	08/09/2003 02:23	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/09/2003 02:23	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	101.0	76-130	%	1.00	08/09/2003 02:23	
Toluene-d8	106.3	78-115	%	1.00	08/09/2003 02:23	



**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  
98995842

Received: 08/01/2003 12:20

Site: 3790 Hopyard Blvd. Pleasanton

Batch QC Report					
Prep(s): 5030B		Water		Test(s): 8260FAB	
Method Blank				QC Batch # 2003/08/08-2B.65	
MB: 2003/08/08-2B.65-017				Date Extracted: 08/08/2003 22:17	
Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/08/2003 22:17	
Benzene	ND	0.5	ug/L	08/08/2003 22:17	
Toluene	ND	0.5	ug/L	08/08/2003 22:17	
Ethylbenzene	ND	0.5	ug/L	08/08/2003 22:17	
Total xylenes	ND	1.0	ug/L	08/08/2003 22:17	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/08/2003 22:17	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	89.7	76-130	%	08/08/2003 22:17	
Toluene-d8	99.5	78-115	%	08/08/2003 22:17	

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

08/11/2003 16:57

**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  
98995842

Received: 08/01/2003 12:20

Site: 3790 Hopyard Blvd. Pleasanton

Batch QC Report					
Prep(s): 5030B				Test(s): 8260FAB	
Method Blank		Water		QC Batch # 2003/08/09-1C.64	
MB: 2003/08/09-1C.64-002				Date Extracted: 08/09/2003 12:02	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/09/2003 12:02	
Benzene	ND	0.5	ug/L	08/09/2003 12:02	
Toluene	ND	0.5	ug/L	08/09/2003 12:02	
Ethylbenzene	ND	0.5	ug/L	08/09/2003 12:02	
Total xylenes	ND	1.0	ug/L	08/09/2003 12:02	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/09/2003 12:02	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	104.2	76-130	%	08/09/2003 12:02	
Toluene-d8	97.6	78-115	%	08/09/2003 12:02	

**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  
98995842

Received: 08/01/2003 12:20

Site: 3790 Hopyard Blvd. Pleasanton

Batch QC Report									
Prep(s): 5030B					Test(s): 8260FAB				
Laboratory Control Spike			Water			QC Batch # 2003/08/08-2B.65			
LCS	2003/08/08-2B.65-031		Extracted: 08/08/2003			Analyzed: 08/08/2003 21:31			
LCSD	2003/08/08-2B.65-055		Extracted: 08/08/2003			Analyzed: 08/08/2003 21:55			

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %			Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS	LCSD
Benzene	30.6	27.4	25	122.4	109.6	11.0	69-129	20			
Toluene	30.1	27.1	25	120.4	108.4	10.5	70-130	20			
Methyl tert-butyl ether (MTBE)	26.1	23.5	25	104.4	94.0	10.5	65-165	20			
<b>Surrogates(s)</b>											
1,2-Dichloroethane-d4	458	446	500	91.6	89.2		76-130				
Toluene-d8	511	503	500	102.2	100.6		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

08/11/2003 16:57

**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  
98995842

Received: 08/01/2003 12:20

Site: 3790 Hopyard Blvd. Pleasanton

Batch QC Report			
Prep(s): 5030B		Test(s): 8260FAB	
Laboratory Control Spike		Water	QC Batch # 2003/08/09-1C.64
LCS	2003/08/09-1C.64-018	Extracted: 08/09/2003	Analyzed: 08/09/2003 11:18
LCSD	2003/08/09-1C.64-040	Extracted: 08/09/2003	Analyzed: 08/09/2003 11:40

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	27.0	26.4	25	108.0	105.6	2.2	69-129	20		
Toluene	25.9	25.8	25	103.6	103.2	0.4	70-130	20		
Methyl tert-butyl ether (MTBE)	24.9	25.5	25	99.6	102.0	2.4	65-165	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	521	548	500	104.2	109.6		76-130			
Toluene-d8	486	493	500	97.2	98.6		78-115			

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

Cambria Environmental Emeryville  
Attn.: Cynthia Vasko

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Emeryville, CA 94608  
Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497  
98995842

Received: 08/01/2003 12:20

Site: 3790 Hopyard Blvd. Pleasanton

Batch QC Report					
Prep(s): 5030B					Test(s): 8260FAB
<b>Matrix Spike ( MS / MSD )</b>	<b>Water</b>			<b>QC Batch # 2003/08/08-2B.65</b>	
MID-2 >> MS					Lab ID: 2003-08-0036 - 003
MS: 2003/08/08-2B.65-038	Extracted: 08/09/2003		Analyzed: 08/09/2003 01:38		
					Dilution: 1.00
MSD: 2003/08/08-2B.65-059	Extracted: 08/09/2003		Analyzed: 08/09/2003 02:00		
					Dilution: 1.00

Compound	Conc. ug/L			Spk Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	27.9	29.2	ND	25	111.6	116.8	4.6	69-129	20		
Toluene	28.2	29.2	ND	25	112.8	116.8	3.5	70-130	20		
Methyl tert-butyl ether	22.1	27.7	ND	25	88.4	110.8	22.5	65-165	20		mso
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	442	477		500	88.3	95.4		76-130			
Toluene-d8	527	505		500	105.4	101.0		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

98995842

Received: 08/01/2003 12:20

Site: 3790 Hopyard Blvd. 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.

mso

MS/MSD spike recoveries were out of QC limits due to matrix interference. Precision and Accuracy were verified by LCS/LCSD.

**Total Extractable Petroleum Hydrocarbons (TEPH)**

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  
98995842

Received: 08/01/2003 12:20

Site: 3790 Hopyard Blvd. Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
INF	08/01/2003 10:00	Water	1
EFF	08/01/2003 09:45	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

08/07/2003 13:15

**Total Extractable Petroleum Hydrocarbons (TEPH)**

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  
98995842

Received: 08/01/2003 12:20

Site: 3790 Hopyard Blvd. Pleasanton

Prep(s): 3510/8015M	Test(s): 8015M
Sample ID: INF	Lab ID: 2003-08-0036 - 1
Sampled: 08/01/2003 10:00	Extracted: 8/4/2003 12:38
Matrix: Water	QC Batch#: 2003/08/04-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	57	50	ug/L	1.00	08/05/2003 22:59	ndp
Motor Oil	ND	500	ug/L	1.00	08/05/2003 22:59	
<b>Surrogates(s)</b> o-Terphenyl	88.4	60-130	%	1.00	08/05/2003 22:59	



**Total Extractable Petroleum Hydrocarbons (TEPH)**

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  
98995842

Received: 08/01/2003 12:20

Site: 3790 Hopyard Blvd. Pleasanton

Prep(s): 3510/8015M	Test(s): 8015M
Sample ID: EFF	Lab ID: 2003-08-0036 - 4
Sampled: 08/01/2003 09:45	Extracted: 8/4/2003 12:38
Matrix: Water	QC Batch#: 2003/08/04-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	08/05/2003 23:29	
Motor Oil	ND	500	ug/L	1.00	08/05/2003 23:29	
<b>Surrogates(s)</b>						
o-Terphenyl	90.6	60-130	%	1.00	08/05/2003 23:29	

**Total Extractable Petroleum Hydrocarbons (TEPH)**

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  
98995842

Received: 08/01/2003 12:20

Site: 3790 Hopyard Blvd. Pleasanton

Batch QC Report					
Prep(s): 3510/8015M				Test(s): 8015M	
Method Blank		Water		QC Batch # 2003/08/04-03.10	
MB: 2003/08/04-03.10-001				Date Extracted: 08/04/2003 12:38	

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	08/05/2003 06:08	
Motor Oil	ND	500	ug/L	08/05/2003 06:08	
<b>Surrogates(s)</b>					
o-Terphenyl	88.0	60-130	%	08/05/2003 06:08	

**Total Extractable Petroleum Hydrocarbons (TEPH)**

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

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Emeryville, CA 94608  
Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497  
98995842

Received: 08/01/2003 12:20

Site: 3790 Hopyard Blvd. Pleasanton

Batch QC Report										
Prep(s): 3510/8015M							Test(s): 8015M			
Laboratory Control Spike			Water			QC Batch # 2003/08/04-03.10				
LCS	2003/08/04-03.10-002		Extracted: 08/04/2003			Analyzed: 08/05/2003 04:30				
LCSD	2003/08/04-03.10-003		Extracted: 08/04/2003			Analyzed: 08/05/2003 05:38				
Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	847	804	1000	84.7	80.4	5.2	60-130	25		
<i>Surrogates(s)</i> o-Terphenyl	19.0	17.6	20.0	95.2	88.1		60-130	0		

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

08/07/2003 13:15

**Total Extractable Petroleum Hydrocarbons (TEPH)**

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

98995842

Received: 08/01/2003 12:20

Site: 3790 Hopyard Blvd. Pleasanton

Legend and Notes

**Result Flag**

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

KIFF ANALYTICAL

2795 2nd Street, Suite 300

Davis, CA 95618

(530) 297-4800 (530) 297-4803 fax

# Shell Oil Products US Chain Of Custody Record

76551

Equiva Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT HOUSTON

**2003-08-0036**

Karen Patryna

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 8 4 2

SAP or CRMT NUMBER (T/S/CRMT)

DATE: **8-1-03**

PAGE: **1 of 1**

SAMPLING COMPANY: **Cambria Environmental Technology, Inc.** I/O CODE: **CETO** SITE ADDRESS (Street and City): **3790 Hopyard Blvd., Pleasanton, CA** GLOBAL ID NO:

ADDRESS: **5900 Hollis Street, Emeryville, CA 94608** SELF DELIVERABLE TO (Responsible Party or Designer): PHONE NO.: EMAIL: COMMS/LAB PROJECT NO.: **245-0497**

PROJECT CONTACT (Company or PO# Report to): **Cynthia Vasco** SUPERVISOR (Name): **VARTAN HANEDANIAN** LAB USE ONLY

TELEPHONE: **510 420 3344** FAX: **510 420 9770** EMAIL: **CVasco@Cambria-env.com**

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

LA - KMOCS REPORT FORMAT  UST AGENCY

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

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDO IS NEEDED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification		SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX (EPA 8260B)	MTBE (8021B - 5ppb RL)	MTBE (2380B - 0.09ppb RL)	VOC's (8260C)	DOHC (EPA 1664-803)	Oxygenates (S) by (8260B)	Metals (Cd, Cr, Cu, Pb, Ni, Ag, Zn) EPA 601	Mercury (EPA 7470A)	Cyanide (EPA 335.2)	TPH - Extractable (809M)	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes		
	DATE	TIME	DATE	TIME																
	INF		8-1	10:00	H <sub>2</sub> O	5	X	X	X									X	10.2°C (←hrs) TEMPERATURE ON RECEIPT C°	
	MID-1			9:55		4	X	X	X										" "	
	MID-2			9:50		4	X	X	X										" "	
	EFF			9:45		5	X	X	X										X	" " ; 1 Amber

Requested by (Signature): *Vartan Hanedanian* Received by (Signature): \_\_\_\_\_ Date: **8-1-03** Time: **12:20 pm**

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

Requested by (Signature): \_\_\_\_\_ Received by (Signature): *Normak* Date: **8-1-03** Time: **1220**

**Cambria Environmental Emeryville**

September 03, 2003

5900 Hollis Street, Ste. A  
Emeryville, CA 94608

Attn.: Cynthia Vasko

Project#: 245-0497

Project: 98995842

Site: 3790 Hopyard Road, Pleasanton

Dear Ms. Vasko:

Attached is our report for your samples received on 08/15/2003 17:30

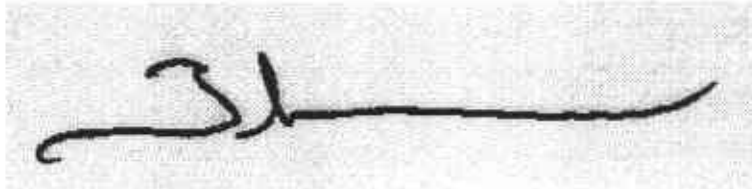
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 09/29/2003 unless you have requested otherwise.

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

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

Sincerely,



Tod Granicher  
Project Manager

Severn Trent Laboratories, Inc.

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

Tel 925 484 1919 Fax 925 484 1096 \* [www.stl-inc.com](http://www.stl-inc.com) \* CA DHS ELAP# 2496

**Gas/BTEX Fuel Oxygenates 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  
98995842

Received: 08/15/2003 17:30

Site: 3790 Hopyard Road, Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
INF	08/15/2003 17:15	Water	1
MID-1	08/15/2003 17:10	Water	2
MID-2	08/15/2003 17:05	Water	3
EFF	08/15/2003 17:00	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

09/03/2003 07:50

Gas/BTEX Fuel Oxygenates 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  
98995842

Received: 08/15/2003 17:30

Site: 3790 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: INF	Lab ID: 2003-08-0502 - 1
Sampled: 08/15/2003 17:15	Extracted: 8/28/2003 13:25
Matrix: Water	QC Batch#: 2003/08/28-1A.65
Analysis Flag: o ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/L	20.00	08/28/2003 13:25	
Benzene	ND	10	ug/L	20.00	08/28/2003 13:25	
Toluene	ND	10	ug/L	20.00	08/28/2003 13:25	
Ethylbenzene	12	10	ug/L	20.00	08/28/2003 13:25	
Total xylenes	33	20	ug/L	20.00	08/28/2003 13:25	
Methyl tert-butyl ether (MTBE)	2200	10	ug/L	20.00	08/28/2003 13:25	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	91.6	76-130	%	20.00	08/28/2003 13:25	
Toluene-d8	102.6	78-115	%	20.00	08/28/2003 13:25	



**Gas/BTEX Fuel Oxygenates 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  
98995842

Received: 08/15/2003 17:30

Site: 3790 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MID-1	Lab ID: 2003-08-0502 - 2
Sampled: 08/15/2003 17:10	Extracted: 8/28/2003 04:05
Matrix: Water	QC Batch#: 2003/08/27-2A.65
Analysis Flag: o ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	250	ug/L	5.00	08/28/2003 04:05	
Benzene	ND	2.5	ug/L	5.00	08/28/2003 04:05	
Toluene	ND	2.5	ug/L	5.00	08/28/2003 04:05	
Ethylbenzene	ND	2.5	ug/L	5.00	08/28/2003 04:05	
Total xylenes	ND	5.0	ug/L	5.00	08/28/2003 04:05	
Methyl tert-butyl ether (MTBE)	380	2.5	ug/L	5.00	08/28/2003 04:05	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	107.0	76-130	%	5.00	08/28/2003 04:05	
Toluene-d8	103.6	78-115	%	5.00	08/28/2003 04:05	

**Gas/BTEX Fuel Oxygenates 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  
98995842

Received: 08/15/2003 17:30

Site: 3790 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MID-2	Lab ID: 2003-08-0502 - 3
Sampled: 08/15/2003 17:05	Extracted: 8/28/2003 04:27
Matrix: Water	QC Batch#: 2003/08/27-2A.65
Analysis Flag: Im ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	100	ug/L	2.00	08/28/2003 04:27	
Benzene	ND	1.0	ug/L	2.00	08/28/2003 04:27	
Toluene	ND	1.0	ug/L	2.00	08/28/2003 04:27	
Ethylbenzene	ND	1.0	ug/L	2.00	08/28/2003 04:27	
Total xylenes	ND	2.0	ug/L	2.00	08/28/2003 04:27	
Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L	2.00	08/28/2003 04:27	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	111.2	76-130	%	2.00	08/28/2003 04:27	
Toluene-d8	105.9	78-115	%	2.00	08/28/2003 04:27	

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

09/03/2003 07:50

**Gas/BTEX Fuel Oxygenates 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  
98995842

Received: 08/15/2003 17:30

Site: 3790 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: EFF	Lab ID: 2003-08-0502 - 4
Sampled: 08/15/2003 17:00	Extracted: 8/28/2003 04:49
Matrix: Water	QC Batch#: 2003/08/27-2A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/28/2003 04:49	
Benzene	ND	0.50	ug/L	1.00	08/28/2003 04:49	
Toluene	ND	0.50	ug/L	1.00	08/28/2003 04:49	
Ethylbenzene	ND	0.50	ug/L	1.00	08/28/2003 04:49	
Total xylenes	ND	1.0	ug/L	1.00	08/28/2003 04:49	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/28/2003 04:49	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	99.1	76-130	%	1.00	08/28/2003 04:49	
Toluene-d8	102.2	78-115	%	1.00	08/28/2003 04:49	

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

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Emeryville, CA 94608  
Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497  
98995842

Received: 08/15/2003 17:30

Site: 3790 Hopyard Road, Pleasanton

Batch QC Report					
Prep(s): 5030B		Water		Test(s): 8260FAB	
Method Blank				QC Batch # 2003/08/27-2A.65	
MB: 2003/08/27-2A.65-032				Date Extracted: 08/27/2003 22:32	
Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	78.2	50	ug/L	08/27/2003 22:32	b
Benzene	ND	0.5	ug/L	08/27/2003 22:32	
Toluene	ND	0.5	ug/L	08/27/2003 22:32	
Ethylbenzene	ND	0.5	ug/L	08/27/2003 22:32	
Total xylenes	5.42	1.0	ug/L	08/27/2003 22:32	b
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/27/2003 22:32	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	95.3	76-130	%	08/27/2003 22:32	
Toluene-d8	102.1	78-115	%	08/27/2003 22:32	

**Gas/BTEX Fuel Oxygenates 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  
98995842

Received: 08/15/2003 17:30

Site: 3790 Hopyard Road, Pleasanton

Batch QC Report					
Prep(s): 5030B		Water		Test(s): 8260FAB	
Method Blank				QC Batch # 2003/08/28-1A.65	
MB: 2003/08/28-1A.65-010				Date Extracted: 08/28/2003 11:10	
Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/28/2003 11:10	
Benzene	ND	0.5	ug/L	08/28/2003 11:10	
Toluene	ND	0.5	ug/L	08/28/2003 11:10	
Ethylbenzene	ND	0.5	ug/L	08/28/2003 11:10	
Total xylenes	ND	1.0	ug/L	08/28/2003 11:10	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/28/2003 11:10	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	91.5	76-130	%	08/28/2003 11:10	
Toluene-d8	103.4	78-115	%	08/28/2003 11:10	

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

Cambria Environmental Emeryville

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Emeryville, CA 94608  
Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497  
98995842

Received: 08/15/2003 17:30

Site: 3790 Hopyard Road, Pleasanton

Batch QC Report										
Prep(s): 5030B							Test(s): 8260FAB			
Laboratory Control Spike				Water			QC Batch # 2003/08/27-2A.65			
LCS	2003/08/27-2A.65-047			Extracted: 08/27/2003			Analyzed: 08/27/2003 21:47			
LCSD	2003/08/27-2A.65-009			Extracted: 08/27/2003			Analyzed: 08/27/2003 22:09			
Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	27.0	24.3	25	108.0	97.2	10.5	69-129	20		
Toluene	27.5	23.4	25	110.0	93.6	16.1	70-130	20		
Methyl tert-butyl ether (MTBE)	23.5	20.4	25	94.0	81.6	14.1	65-165	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	470	476	500	94.0	95.2		76-130			
Toluene-d8	522	511	500	104.4	102.2		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

09/03/2003 07:50

**Gas/BTEX Fuel Oxygenates 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  
98995842

Received: 08/15/2003 17:30

Site: 3790 Hopyard Road, Pleasanton

Batch QC Report			
Prep(s): 5030B		Test(s): 8260FAB	
Laboratory Control Spike		Water	QC Batch # 2003/08/28-1A.65
LCS	2003/08/28-1A.65-026	Extracted: 08/28/2003	Analyzed: 08/28/2003 10:26
LCSD	2003/08/28-1A.65-048	Extracted: 08/28/2003	Analyzed: 08/28/2003 10:48

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	28.0	26.5	25	112.0	106.0	5.5	69-129	20		
Toluene	29.1	26.7	25	116.4	106.8	8.6	70-130	20		
Methyl tert-butyl ether (MTBE)	24.4	24.1	25	97.6	96.4	1.2	65-165	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	465	449	500	93.0	89.8		76-130			
Toluene-d8	539	508	500	107.8	101.6		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

09/03/2003 07:50

**Gas/BTEX Fuel Oxygenates 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

98995842

Received: 08/15/2003 17:30

Site: 3790 Hopyard Road, Pleasanton

**Legend and Notes**

**Report Comment**

The laboratory detected TPHg and Xylenes in one of the method blanks associated with this report. This did not affect the sample analyses, since these compounds were not detected in the samples themselves.

**Analysis Flag**

Im

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

o

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

**Result Flag**

b

Analyte was found in the method blank at a concentration greater than the reporting limit.



**Diesel (C10-C24) by 8015m**

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

98995842

Received: 08/15/2003 17:30

Site: 3790 Hopyard Road, Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
INF	08/15/2003 17:15	Water	1
EFF	08/15/2003 17:00	Water	4

**Diesel (C10-C24) by 8015m**

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  
98995842

Received: 08/15/2003 17:30

Site: 3790 Hopyard Road, Pleasanton

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	INF	Lab ID:	2003-08-0502 - 1
Sampled:	08/15/2003 17:15	Extracted:	8/28/2003 16:58
Matrix:	Water	QC Batch#:	2003/08/28-07.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	470	50	ug/L	1.00	08/31/2003 20:33	ndp
<b>Surrogate(s)</b>						
o-Terphenyl	84.9	60-130	%	1.00	08/31/2003 20:33	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566  
Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

09/02/2003 16:40

**Diesel (C10-C24) by 8015m**

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

98995842

Received: 08/15/2003 17:30

Site: 3790 Hopyard Road, Pleasanton

Prep(s): 3510/8015M	Test(s): 8015M
Sample ID: EFF	Lab ID: 2003-08-0502 - 4
Sampled: 08/15/2003 17:00	Extracted: 8/28/2003 18:58
Matrix: Water	QC Batch#: 2003/08/28-07.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	76	50	ug/L	1.00	08/31/2003 21:13	ndp
<b>Surrogate(s)</b>						
o-Terphenyl	74.6	60-130	%	1.00	08/31/2003 21:13	

**Diesel (C10-C24) by 8015m**

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  
98995842

Received: 08/15/2003 17:30

Site: 3790 Hopyard Road, Pleasanton

Batch QC Report					
Prep(s): 3510/8015M				Test(s): 8015M	
Method Blank		Water		QC Batch # 2003/08/28-07.10	
MB: 2003/08/28-07.10-004				Date Extracted: 08/28/2003 16:58	

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	08/29/2003 20:04	
<b>Surrogates(s)</b> o-Terphenyl	74.5	50-120	%	08/29/2003 20:04	

**Diesel (C10-C24) by 8015m**

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  
98995842

Received: 08/15/2003 17:30

Site: 3790 Hopyard Road, Pleasanton

Batch QC Report			
Prep(s): 3510/8015M		Test(s): 8015M	
Laboratory Control Spike		Water	QC Batch # 2003/08/28-07.10
LCS	2003/08/28-07.10-005	Extracted: 08/28/2003	Analyzed: 08/29/2003 20:34
LCSD	2003/08/28-07.10-006	Extracted: 08/28/2003	Analyzed: 08/29/2003 21:04

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	831	827	1000	83.1	82.7	0.5	60-130	25		
Surrogates(s) o-Terphenyl	16.5	16.6	20.0	82.7	82.8		50-120	0		

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

09/02/2003 16:40

**Diesel (C10-C24) by 8015m**

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

98995842

Received: 08/15/2003 17:30

Site: 3790 Hopyard Road, Pleasanton

Legend and Notes

**Result Flag**

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

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

09/02/2003 16:40

STL-San Francisco

2003 Shell Oil Prod. & US Chain of Custody Record 7742

1220 Quarry Lane  
Pleasanton, CA 94566

Shell Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- O&P HOUSTON

KAREN PETRYNA

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

INCIDENT NUMBER (SEE ONLY)

9 8 9 9 1 8 4 2

SAP or CRMT NUMBER (TS/CRMT)

1 3 5 7 8 4

DATE: 8-15-03

PAGE: 1 of 1

CONDUCT TEST COMPANY:  
**GAMBRIA ENVIRONMENTAL TECHNOLOGY, INC.**

ADDRESS:  
**5900 HOLLIS ST., Suite A**

CITY:  
**EMERYVILLE, CA 94608**

TELEPHONE: **510-420-3308** FAX: **510-420-9170** EMAIL: **evasko@gambria-env.com**

SITE ADDRESS (Street and City):  
**3780 HOPYARD ROAD, PLEASANTON**

PROJECT CONTACT (Name):  
**Cynthia Vasko**

CONSULTANT PROJECT NO.: **245-0497**

SAMPLER NAME(S) (If any):  
**PAUL RASMUSSEN**

LAB USE ONLY

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

LA - RWQCB REPORT FORMAT  LIST AGENCY:

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

SPECIAL INSTRUCTIONS OR NOTES: TEMPERATURE ON RECEIPT:

REQUESTED ANALYSIS

FIELD SAMPLE IDENTIFICATION

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - GAS Purgeable	TPH - DIESEL Extractable (B01.5m)	STEX (R2E2B)	MTBE(C20B)	DBA	5 Oxygenates	1,3 DCA and EDB	Ethanol	Methanol	VOCs by 8240B	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> ATC <input type="checkbox"/> TELP	Metals LUFTS <input type="checkbox"/> STC <input type="checkbox"/> TELP	Metals CALMT <input type="checkbox"/> ATC <input type="checkbox"/> TELP	Test for Disposal (4B)
		DATE	TIME																	

TPH - GAS Purgeable	TPH - DIESEL Extractable (B01.5m)	STEX (R2E2B)	MTBE(C20B)	DBA	5 Oxygenates	1,3 DCA and EDB	Ethanol	Methanol	VOCs by 8240B	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> ATC <input type="checkbox"/> TELP	Metals LUFTS <input type="checkbox"/> STC <input type="checkbox"/> TELP	Metals CALMT <input type="checkbox"/> ATC <input type="checkbox"/> TELP	Test for Disposal (4B)
X	X	X	X	X										
X		X	X	X										
X	X	X	X	X										

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

18.2°C (4 hrs)

Relinquished by (Signature): *[Signature]*

Relinquished by (Signature): *[Signature]*

Relinquished by (Signature): *[Signature]*

Received by (Signature):

Received by (Signature):

Received by (Signature): *[Signature]*

Date: 8/15/03 Time: 2:25

Date: 8/15 Time: 1730

Date: 8/15/03 Time: 1730

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

**Cambria Environmental Emeryville**

September 24, 2003

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 09/11/2003 14:57

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 10/26/2003 unless you have requested otherwise.

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

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

Sincerely,



Vincent Vancil  
Project Manager

Severn Trent Laboratories, Inc.

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

Tel 925 484 1919 Fax 925 484 1096 \* [www.stl-inc.com](http://www.stl-inc.com) \* CA DHS ELAP# 2496



**Diesel (C10-C24) by 8015m**

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: 09/11/2003 14:57

Site: 3790 Hopyard Rd., Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
INF	09/11/2003 14:00	Water	1
EFF	09/11/2003 13:45	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

09/24/2003 17:12

**Diesel (C10-C24) by 8015m**

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: 09/11/2003 14:57

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 3510/8015M	Test(s): 8015M
Sample ID: INF	Lab ID: 2003-09-0404 - 1
Sampled: 09/11/2003 14:00	Extracted: 9/19/2003 12:25
Matrix: Water	QC Batch#: 2003/09/19-V4.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	09/20/2003 23:51	
<b>Surrogate(s)</b>						
o-Terphenyl	78.1	50-120	%	1.00	09/20/2003 23:51	

**Diesel (C10-C24) by 8015m**

Cambria Environmental Emeryville

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5900 Hollis Street, Ste. A

Emeryville, CA 94608

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

Project: 245-0497-003

98995842

Received: 09/11/2003 14:57

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 3510/8015M	Test(s): 8015M
Sample ID: EFF	Lab ID: 2003-09-0404 - 4
Sampled: 09/11/2003 13:45	Extracted: 9/19/2003 12:25
Matrix: Water	QC Batch#: 2003/09/19-V4.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	09/21/2003 00:21	
<b>Surrogate(s)</b>						
o-Terphenyl	82.1	50-120	%	1.00	09/21/2003 00:21	

**Diesel (C10-C24) by 8015m**

Cambria Environmental Emeryville

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

Project: 245-0497-003  
98995842

Received: 09/11/2003 14:57

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 3510/8015M				Test(s): 8015M	
Method Blank		Water		QC Batch # 2003/09/19-V4.10	
MB: 2003/09/19-V4.10-003				Date Extracted: 09/19/2003 12:25	

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	09/22/2003 17:26	
<b>Surrogates(s)</b> o-Terphenyl	95.4	50-120	%	09/22/2003 17:26	

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

09/24/2003 17:12

**Diesel (C10-C24) by 8015m**

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: 09/11/2003 14:57

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report										
Prep(s): 3510/8015M						Test(s): 8015M				
Laboratory Control Spike				Water			QC Batch # 2003/09/19-V4.10			
LCS	2003/09/19-V4.10-001			Extracted: 09/19/2003			Analyzed: 09/20/2003 14:06			
LCSD	2003/09/19-V4.10-002			Extracted: 09/19/2003			Analyzed: 09/20/2003 14:37			
Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	901	932	1000	90.1	93.2	3.4	60-130	25		
<i>Surrogates(s)</i> o-Terphenyl	17.2	18.6	20.0	85.8	93.2		50-120			

**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: 09/11/2003 14:57

Site: 3790 Hopyard Rd., Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
INF	09/11/2003 14:00	Water	1
MID 1	09/11/2003 13:55	Water	2
MID 2	09/11/2003 13:50	Water	3
EFF	09/11/2003 13:45	Water	4

Severn Trent Laboratories, Inc.

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09/24/2003 17:13

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

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

Project: 245-0497-003  
98995842

Received: 09/11/2003 14:57

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: INF	Lab ID: 2003-09-0404 - 1
Sampled: 09/11/2003 14:00	Extracted: 9/19/2003 12:51
Matrix: Water	QC Batch#: 2003/09/19-1A.69
Analysis Flag: o ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/L	20.00	09/19/2003 12:51	
Benzene	ND	10	ug/L	20.00	09/19/2003 12:51	
Toluene	ND	10	ug/L	20.00	09/19/2003 12:51	
Ethylbenzene	ND	10	ug/L	20.00	09/19/2003 12:51	
Total xylenes	ND	20	ug/L	20.00	09/19/2003 12:51	
Methyl tert-butyl ether (MTBE)	2400	100	ug/L	20.00	09/19/2003 12:51	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	93.0	76-130	%	20.00	09/19/2003 12:51	
Toluene-d8	99.0	78-115	%	20.00	09/19/2003 12:51	

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

Cambria Environmental Emeryville

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Project: 245-0497-003  
98995842

Received: 09/11/2003 14:57

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MID 1	Lab ID: 2003-09-0404 - 2
Sampled: 09/11/2003 13:55	Extracted: 9/19/2003 13:11
Matrix: Water	QC Batch#: 2003/09/19-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/19/2003 13:11	
Benzene	ND	0.50	ug/L	1.00	09/19/2003 13:11	
Toluene	ND	0.50	ug/L	1.00	09/19/2003 13:11	
Ethylbenzene	ND	0.50	ug/L	1.00	09/19/2003 13:11	
Total xylenes	ND	1.0	ug/L	1.00	09/19/2003 13:11	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	09/19/2003 13:11	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	96.7	76-130	%	1.00	09/19/2003 13:11	
Toluene-d8	97.6	78-115	%	1.00	09/19/2003 13:11	

Severn Trent Laboratories, Inc.

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09/24/2003 17:13



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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

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Emeryville, CA 94608

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

Project: 245-0497-003

98995842

Received: 09/11/2003 14:57

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MID 2	Lab ID: 2003-09-0404 - 3
Sampled: 09/11/2003 13:50	Extracted: 9/19/2003 13:32
Matrix: Water	QC Batch#: 2003/09/19-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/19/2003 13:32	
Benzene	ND	0.50	ug/L	1.00	09/19/2003 13:32	
Toluene	ND	0.50	ug/L	1.00	09/19/2003 13:32	
Ethylbenzene	ND	0.50	ug/L	1.00	09/19/2003 13:32	
Total xylenes	ND	1.0	ug/L	1.00	09/19/2003 13:32	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	09/19/2003 13:32	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	96.5	76-130	%	1.00	09/19/2003 13:32	
Toluene-d8	95.5	78-115	%	1.00	09/19/2003 13:32	

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

Cambria Environmental Emeryville  
Attn.: Cynthia Vasko

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Emeryville, CA 94608  
Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003  
98995842

Received: 09/11/2003 14:57

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	EFF	Lab ID:	2003-09-0404 - 4
Sampled:	09/11/2003 13:45	Extracted:	9/19/2003 13:53
Matrix:	Water	QC Batch#:	2003/09/19-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/19/2003 13:53	
Benzene	ND	0.50	ug/L	1.00	09/19/2003 13:53	
Toluene	ND	0.50	ug/L	1.00	09/19/2003 13:53	
Ethylbenzene	ND	0.50	ug/L	1.00	09/19/2003 13:53	
Total xylenes	ND	1.0	ug/L	1.00	09/19/2003 13:53	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	09/19/2003 13:53	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	105.6	76-130	%	1.00	09/19/2003 13:53	
Toluene-d8	95.2	78-115	%	1.00	09/19/2003 13:53	

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

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Emeryville, CA 94608  
Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003  
98995842

Received: 09/11/2003 14:57

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 5030B		Water		Test(s): 8260FAB	
Method Blank				QC Batch # 2003/09/19-1A.69	
MB: 2003/09/19-1A.69-016				Date Extracted: 09/19/2003 12:16	
Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/19/2003 12:16	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	09/19/2003 12:16	
Benzene	ND	0.5	ug/L	09/19/2003 12:16	
Toluene	ND	0.5	ug/L	09/19/2003 12:16	
Ethylbenzene	ND	0.5	ug/L	09/19/2003 12:16	
Total xylenes	ND	1.0	ug/L	09/19/2003 12:16	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	90.0	76-130	%	09/19/2003 12:16	
Toluene-d8	91.5	78-115	%	09/19/2003 12:16	

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

Cambria Environmental Emeryville

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Emeryville, CA 94608  
Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 245-0497-003  
98995842

Received: 09/11/2003 14:57

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report										
Prep(s): 5030B						Test(s): 8260FAB				
Laboratory Control Spike				Water			QC Batch # 2003/09/19-1A.69			
LCS	2003/09/19-1A.69-034			Extracted: 09/19/2003			Analyzed: 09/19/2003 11:34			
LCSD	2003/09/19-1A.69-055			Extracted: 09/19/2003			Analyzed: 09/19/2003 11:55			
Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	24.9	23.0	25	99.6	92.0	7.9	65-165	20		
Benzene	22.7	24.9	25	90.8	99.6	9.2	69-129	20		
Toluene	24.0	21.6	25	96.0	86.4	10.5	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	478	470	500	95.6	94.0		76-130			
Toluene-d8	506	505	500	101.2	101.0		78-115			

Severn Trent Laboratories, Inc.

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09/24/2003 17:13

**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: 09/11/2003 14:57

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report		
Prep(s): 5030B	Test(s): 8260FAB	
Matrix Spike ( MS / MSD )	Water	QC Batch # 2003/09/19-1A.69
MID 1 >> MS		Lab ID: 2003-09-0404 - 002
MS: 2003/09/19-1A.69-035	Extracted: 09/19/2003	Analyzed: 09/19/2003 17:35
		Dilution: 1.00
MSD: 2003/09/19-1A.69-040	Extracted: 09/19/2003	Analyzed: 09/19/2003 18:00
		Dilution: 1.00

Compound	Conc. ug/L		Spk Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS
Benzene	24.3	24.3	ND	25	97.2	97.2	0.0	69-129	20		
Toluene	23.2	21.6	ND	25	92.8	86.4	7.1	70-130	20		
Methyl tert-butyl ether	26.3	33.1	ND	25	105.2	132.4	22.9	65-165	20		mso
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	546	529		500	109.2	105.8		76-130			
Toluene-d8	472	450		500	94.3	90.0		78-115			

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09/24/2003 17:13

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: 09/11/2003 14:57

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**

mso

MS/MSD spike recoveries were out of QC limits due to matrix interference.  
Precision and Accuracy were verified by LCS/LCSD.

STL-San Francisco

# SHELL Chain Of Custody Record

77856

1220 Quarry Lane  
Pleasanton, CA 94566

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

Shell Project Manager to be Invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRIME INVESTIGATION

2003-09-0404

Karen Petryna

INCIDENT NUMBER (SEE ONLY)

9 8 9 9 5 8 4 2

SAP OF CRIMT NUMBER (TS/CRIMT)

DATE: 9-11-03

PAGE: 1 of 1

SAMPLE COMPANY: Cambria Environmental Technology, Inc.		LOG CODE: CETS	SITE ADDRESS (Street and City): 3790 Hopyard Road, Pleasanton		CUMULATIVE NO: N/A																																																													
ADDRESS: 5000 Hollis Street, Suite A, Emeryville, CA 94608		SUPERVISOR (Name and Title): N/A		PHONE NO.: N/A	EMAIL: N/A	CONTRACT PROJECT NO.: 245-0197-003																																																												
PROJECT CONTACT (Name and PCF Reporting): Cynthia Vasco		SAMPLER NAME (Print): VARTAN HANEDANIAN		LAB FILE ONLY																																																														
TELEPHONE: 510-420-3344	FAX: 510-420-9170	EMAIL: cvasco@cambria-env.com																																																																
TURNAROUND TIME (BUSINESS DAYS): <input checked="" type="checkbox"/> 10 DAYS <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS		REQUESTED ANALYSIS																																																																
<input type="checkbox"/> LA - RPOCS REPORT FORMAT <input type="checkbox"/> LIST AGENCY		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>PH - Purgeable</th> <th>TPH - Extractable (4015m)</th> <th>BTEX</th> <th>MTBE (9 ppb)</th> <th>TBA</th> <th>5-Oxy Pyridate</th> <th>1,2 DCA and EDB</th> <th>Ethanol</th> <th>Methanol</th> <th>VOCs by 3765G</th> <th>Special Volatiles by 3760C</th> <th>Lead <input type="checkbox"/> Tail <input type="checkbox"/> ATLC <input type="checkbox"/> TAP</th> <th>LUFTS <input type="checkbox"/> Tail <input type="checkbox"/> ATLC <input type="checkbox"/> TAP</th> <th>CAMRY <input type="checkbox"/> Tail <input type="checkbox"/> ATLC <input type="checkbox"/> TAP</th> <th>Test for Disposal</th> </tr> </thead> <tbody> <tr> <td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>X</td><td></td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </tbody> </table>					PH - Purgeable	TPH - Extractable (4015m)	BTEX	MTBE (9 ppb)	TBA	5-Oxy Pyridate	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 3765G	Special Volatiles by 3760C	Lead <input type="checkbox"/> Tail <input type="checkbox"/> ATLC <input type="checkbox"/> TAP	LUFTS <input type="checkbox"/> Tail <input type="checkbox"/> ATLC <input type="checkbox"/> TAP	CAMRY <input type="checkbox"/> Tail <input type="checkbox"/> ATLC <input type="checkbox"/> TAP	Test for Disposal	X	X	X	X												X		X	X												X	X	X	X											
PH - Purgeable	TPH - Extractable (4015m)						BTEX	MTBE (9 ppb)	TBA	5-Oxy Pyridate	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 3765G	Special Volatiles by 3760C	Lead <input type="checkbox"/> Tail <input type="checkbox"/> ATLC <input type="checkbox"/> TAP	LUFTS <input type="checkbox"/> Tail <input type="checkbox"/> ATLC <input type="checkbox"/> TAP	CAMRY <input type="checkbox"/> Tail <input type="checkbox"/> ATLC <input type="checkbox"/> TAP	Test for Disposal																																															
X	X						X	X																																																										
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OCAMS MISE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____		<p>FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes</p> <p style="font-size: 2em; text-align: center;">20.1<sup>o</sup></p> <p>TEMPERATURE ON RECEIPT <input type="checkbox"/></p>																																																																
SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDO IS NOT NEEDED <input checked="" type="checkbox"/>																																																																		
Flow Totalizer = 286645.0 Hour Meter = 1379.0																																																																		
LOG USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONE.																																																													
	INF	9-11	2:00	AG	6	X X X X																																																												
	MID 1		1:55	AG	6	X X X																																																												
	MID 2		1:50	AG	6	X X X																																																												
	EFF		1:45	AG	6	X X X X																																																												
Requisitioned by (Signature)	Requisitioned by (Signature)		Date		Time																																																													
<i>Vartan Hanedanian</i>	<i>[Signature]</i>		9/11/03		1457																																																													
Requisitioned by (Signature)	Requisitioned by (Signature)		Date		Time																																																													

O&G Group 0140 888-8702