



Shell Oil Products US

January 14, 2004

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

Alameda County
JAN 22 2004
Environmental Health

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

Dear Mr. Seery:

Attached for your review and comment is a copy of the *Fourth 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

January 14, 2004

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

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



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.

FOURTH 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. **The significant drawdown and radius of influence typically maintained at the site is not depicted in Figure 2 because the GWE system was not operating at full capacity on October 15, 2003, when the wells were gauged and sampled.** This was later determined to be caused by a broken air compressor regulator which slowly bled the system of power and resulted in **system shut down between the Blaine visit on October 15 and Cambria's O&M visit on October 24, 2003.** The regulator was replaced and the system is operating at full capacity.

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

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

C A M B R I A

reports for GWE system samples are included in Appendix B. System flow data and constituent mass removal calculations are presented in Table 3.

ANTICIPATED FIRST QUARTER 2004 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.



Other Activities: On April 30, 2003, Cambria submitted the *Subsurface Investigation Work Plan*, which included responses to the agency letter dated February 27, 2003, the preferential pathway study, the SCM, and plume definition information. 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

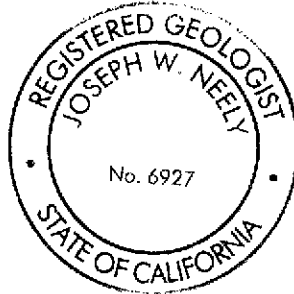


Scott Lewis for

Cynthia Vasko
Senior Staff Engineer

Ana Friel for

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	10/15/03	90	NA	NA	NA	2,400	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-3	10/15/03	<0.50	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-4	10/15/03	280	NA	NA	NA	11,000	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-5	10/15/03	180	NA	NA	NA	51	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-6	10/15/03	63	NA	NA	NA	10,000	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
S-7	10/15/03	100	NA	NA	NA	<5.0	NA	NA	NA

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

Sample	Date Sampled	MTBE ($\mu\text{g/l}$)	DIPE ($\mu\text{g/l}$)	ETBE ($\mu\text{g/l}$)	TAME ($\mu\text{g/l}$)	TBA ($\mu\text{g/l}$)	Ethanol	1,2-DCA ($\mu\text{g/l}$)	EDB ($\mu\text{g/l}$)
S-8	05/09/03	24	NA	NA	NA	<5.0	NA	NA	NA
S-8	07/08/03	46	NA	NA	NA	<5.0	NA	NA	NA
S-8	10/15/03	42	NA	NA	NA	<5.0	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
S-9	07/08/03	250	NA	NA	NA	<25	NA	NA	NA
S-9	10/15/03	210	NA	NA	NA	<10	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
S-10	07/08/03	1.7	NA	NA	NA	<5.0	NA	NA	NA
S-10	10/15/03	0.69	NA	NA	NA	<5.0	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
S-11	07/08/03	<0.50	NA	NA	NA	<5.0	NA	NA	NA
S-11	10/15/03	<0.50	NA	NA	NA	<5.0	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
S-12	07/08/03	1.2	NA	NA	NA	<5.0	NA	NA	NA
S-12	10/15/03	1.1	NA	NA	NA	<5.0	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
SR-2	07/08/03	12,000	NA	NA	NA	4,800	NA	NA	NA
SR-2	10/15/03	1,200	NA	NA	NA	9,800	NA	NA	NA

CAMBRIA

Table 2. Groundwater Extraction System Analytical Results, Shell-branded Service Station, 3790 Hopwood 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 ¹	<25	3,400	<50	<0.50	<0.50	<50	<0.50	<0.50	<50	200 ¹	<0.50	<0.50
07/21/03	<2,500	67 ¹	<25	5,400	<500	<5.0	160	<250	<2.5	<2.5	<50	<50	<0.50	<0.50
08/01/03	<1,300	57 ¹	<13	3,700	<250	<2.5	190	54 ²	<0.50	<0.50	<50	<50	<0.50	<0.50
08/15/03	<1,000	470 ¹	<10	2,200	<250	<2.5	380	<100	<1.0	<1.0	<50	76 ¹	<0.50	<0.50
09/11/03	<1,000	<50	<10	2,400	<50	<0.50	<5.0	<50	<0.50	<5.0	<50	<50	<0.50	<5.0
09/25/03	<1,000	NA	<10	2,600	<250	<2.5	<25	<250	<2.5	<25	<50	NA	<0.50	<5.0
10/10/03	<5,000	67 ¹	<50	1,800	<100	<1.0	85	<100	<10	<10	<100	<10	<1.0	<10
10/24/03	<500	NA	<5.0	1,500	<500	<5.0	75	<500	<5.0	<5.0	<500	NA	<5.0	<5.0
11/21/03	<1,000	<50 ³	<10	1,300	<250	<2.5	25	<250	<2.5	<2.5	<50	<50 ³	<0.50	<0.50
12/05/03	<1,000	<50	<10	1,200	<250	<2.5	110	<50	<0.50	<5.0	<50	<50	<0.50	<5.0
12/19/03	<1,000	NA	<10	950	<250	<2.5	150	<50	<0.50	<5.0	<50	NA	<0.50	<5.0

Abbreviations & Notes:

TPHg/d = Total purgeable hydrocarbons as gasoline/diesel

MTBE = Methyl tert-butyl ether

ppb = parts per billion

TPHg, benzene and MTBE analyzed by EPA Method 8260

TPHd analyzed by EPA Method 8015M.

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

NA = Not analyzed

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

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

3 = Analysis was performed outside of EPA recommended holding time. Analysis performed within holding time, for which the QA/QC failed, corroborates these results.

Table 3. Groundwater Extraction System Mass Removal at 1529 Shell-Branden Service Station, 5790 Hayward Road, Pleasanton, California

Site Visit (mm/dd/yy)	Flow Meter Reading (gal)	Period Volume (gal)	Flow Rate (gpd)	Cumulative Volume (gal)	TPHg			Benzene			MTBE		
					TPHg Conc. (ppb)	Period Removal (pounds)	Cumulative Removal (pounds)	Benzene Conc. (ppb)	Period Removal (pounds)	Cumulative Removal (pounds)	MTBE Conc. (ppb)	Period Removal (pounds)	Cumulative Removal (pounds)
07/01/03	447	0	0	0	<2,500	0.000	0.000	<25	0.000	0.000	3,400	0.000	0.000
07/21/03	104,080	103,633	5,182	103,633	<2,500	1.081	1.081	<25	0.011	0.011	5,400	4.670	4.670
08/01/03	157,301	53,221	4,838	156,854	<1,300	0.289	1.370	<13	0.003	0.014	3,700	1.643	6.313
08/15/03	172,392	15,091	1,078	171,945	<1,000	0.063	1.433	<10	0.001	0.014	2,200	0.277	6.590
08/29/03	221,836	49,444	3,532	221,389	NS	0.206	1.639	NS	0.002	0.016	NS	0.908	7.498
09/11/03	286,780	64,944	4,996	286,333	<1,000	0.271	1.910	<10	0.003	0.019	2,400	1.301	8.798
09/25/03	352,750	65,970	4,712	352,303	<1,000	0.275	2.185	<10	0.003	0.022	2,600	1.431	10.23
10/10/03	420,240	67,490	4,499	419,793	<5,000	1.408	3.593	<50	0.014	0.036	1,800	1.014	11.24
10/24/03	423,410	3,170	226	422,963	<500	0.007	3.600	<5.0	0.000	0.036	1,500	0.040	11.28
11/12/03	514,680	91,270	4,804	514,233	NS	0.190	3.790	NS	0.002	0.038	NS	1.142	12.43
11/21/03	556,306	41,626	4,625	555,859	<1,000	0.174	3.964	<10	0.002	0.040	1,300	0.452	12.88
12/05/03	618,906	62,600	4,471	618,459	<1,000	0.261	4.225	<10	0.003	0.042	1,200	0.627	13.50
12/19/03	680,821	61,915	4,423	680,374	<1,000	0.258	4.483	<10	0.003	0.045	950	0.491	13.99
Total Gallons Extracted:				680,374	Total Pounds Removed:		4.48	Total Pounds Removed:		0.045	Total Pounds Removed:		14.0
					Total Gallons Removed:		0.736	Total Gallons Removed:		0.006	Total Gallons Removed:		2.27

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

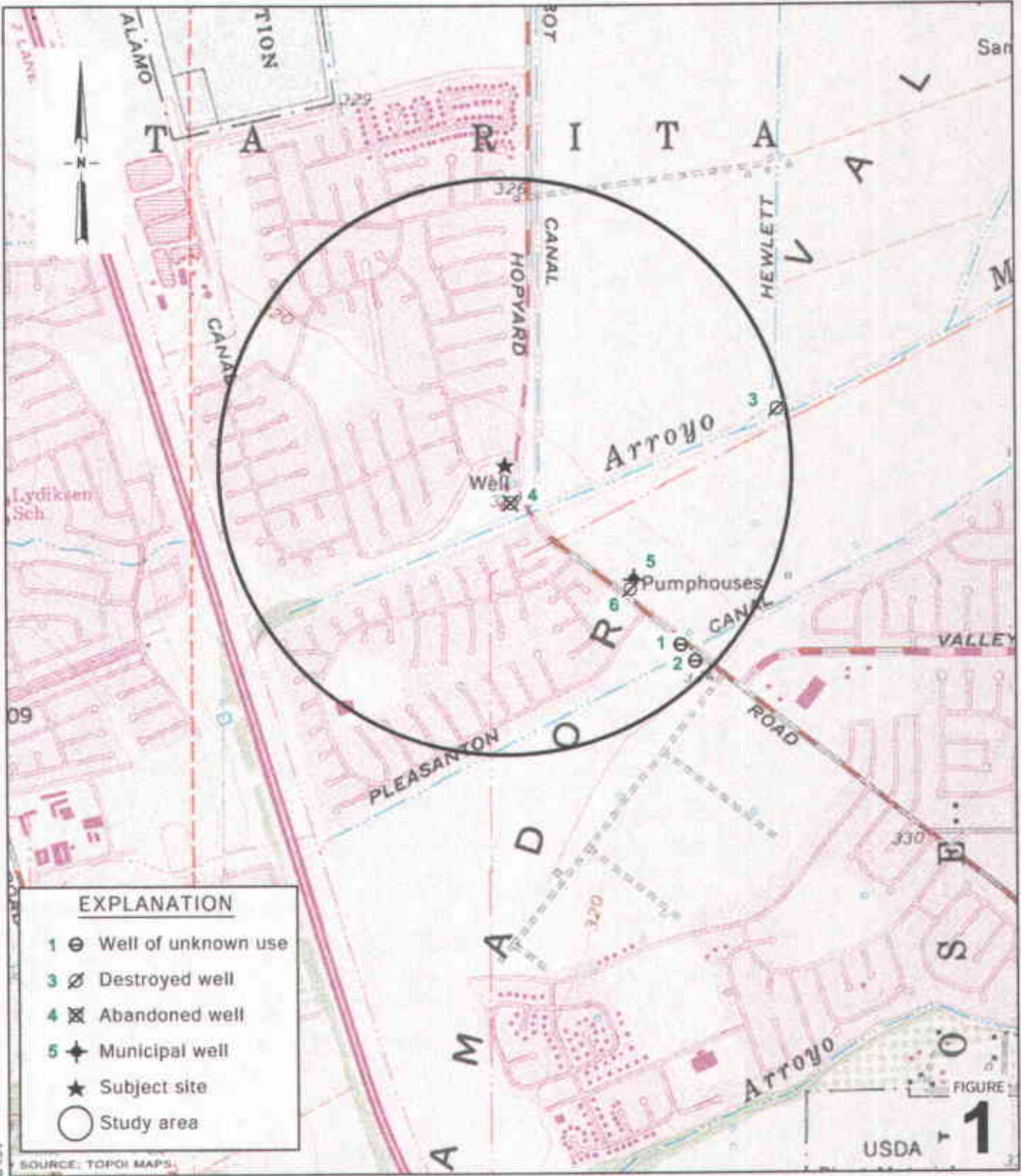
TPHg, benzene and MTBE analyzed by EPA Method 8260

Mass removed based on the formula: volume extracted (gal) x Concentration (µg/L) x (g/10⁶µg) 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)⁻¹ (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



0497

SOURCE: TOPOI MAPS

0 1/8 1/4 1/2 1
SCALE (MILES)

Shell-branded Service Station
3790 Hopyard Road
Pleasanton, California



C A M B R I A

**Vicinity/Area Well
Survey Map**

1/2 Mile Radius

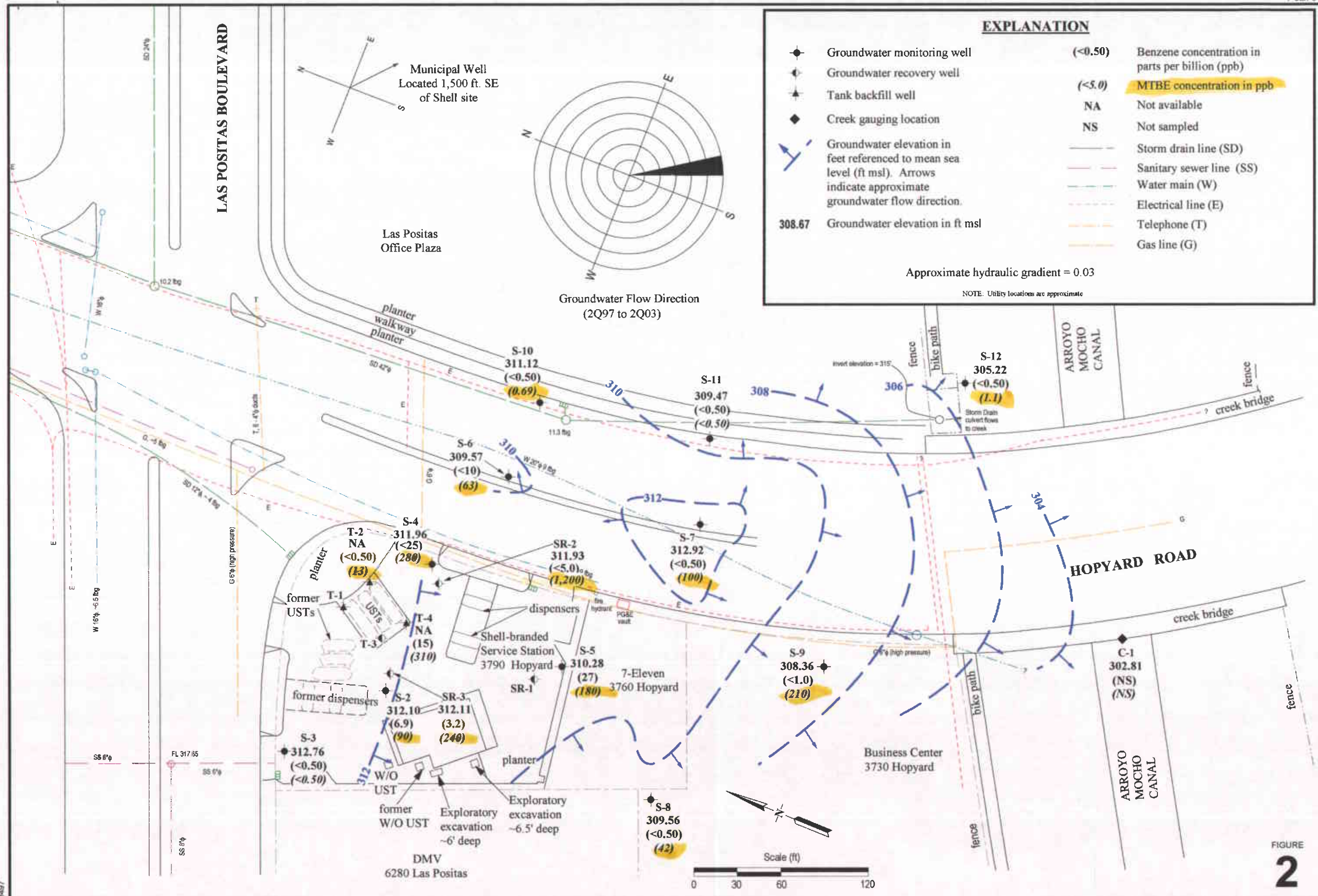


FIGURE 2

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

November 18, 2003

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

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

Monitoring performed on October 15, 2003

Groundwater Monitoring Report 031015-SS-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)
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-2	10/15/2003	960 e	NA	6.9	<2.5	9.0	<5.0	NA	90	328.77	16.67	312.10	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

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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-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
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-3	10/15/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	327.40	14.64	312.76	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

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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-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
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-4	10/15/2003	<2,500	NA	<25	<25	<25	<50	NA	280	328.11	16.15	311.96	NA

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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
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

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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
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-5	10/15/2003	1,400 e	NA	27	<2.5	<2.5	<5.0	NA	180	329.36	19.08	310.28	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

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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
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-6	10/15/2003	<1,000	NA	<10	<10	<10	<20	NA	63	327.26	17.69	309.57	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

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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)
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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
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-7	10/15/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	100	328.41	15.49	312.92	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

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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
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

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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-8	10/15/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	42	326.14	16.58	309.56	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
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

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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
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-9	10/15/2003	<100	NA	<1.0	<1.0	<1.0	<2.0	NA	210	327.85	19.49	308.36	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

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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
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-10	10/15/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.69	325.87	14.75	311.12	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-11	10/15/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	327.48	18.01	309.47	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)
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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
S-12	10/15/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.1	322.76	17.54	305.22	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
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-2	10/15/2003	<500	NA	<5.0	<5.0	<5.0	20	NA	1,200	327.31	15.38	311.93	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

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-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
SR-3	10/15/2003	310	NA	3.2	<2.5	9.1	30	NA	240	327.50	15.39	312.11	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
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-2	10/15/2003	220 e	NA	<0.50	<0.50	<0.50	<1.0	NA	13	NA	11.15	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

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-4	10/15/2003	1,200	NA	15	6.1	2.8	11	NA	310	NA	11.80	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
C-1	10/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	331.33	28.52	302.81	NA

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

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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Notes:

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

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

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

d = Survey date only.

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

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.

November 01, 2003

1680 Rogers Avenue
San Jose, CA 95112-1105

Attn.: Leon Gearhart

Project#: 031015-SS1

Project: 98995842

Site: 3790 Hopyard Rd., Pleasanton

Dear Mr. Gearhart,

Attached is our report for your samples received on 10/16/2003 16:03

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

Please note that any unused portion of the samples will be discarded after 11/30/2003 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

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 * CA DHS ELAP# 2496

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: 031015-SS1
98995842

Received: 10/16/2003 16:03

Site: 3790 Hopyard Rd., Pleasanton

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
S-2	10/15/2003 15:20	Water	1
S-3	10/15/2003 13:28	Water	2
S-4	10/15/2003 15:10	Water	3
S-5	10/15/2003 14:25	Water	4
S-6	10/15/2003 10:28	Water	5
S-7	10/15/2003 10:00	Water	6
S-8	10/15/2003 14:20	Water	7
S-9	10/15/2003 08:55	Water	8
S-10	10/15/2003 11:38	Water	9
S-11	10/15/2003 11:18	Water	10
S-12	10/15/2003 10:55	Water	11
T-2	10/15/2003 14:05	Water	12
T-4	10/15/2003 14:30	Water	13
SR-2	10/15/2003 15:00	Water	14
SR-3	10/15/2003 14:45	Water	15

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: 031015-SS1

98995842

Received: 10/16/2003 16:03

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	S-2	Lab ID:	2003-10-0620 - 1
Sampled:	10/15/2003 15:20	Extracted:	10/27/2003 11:54
Matrix:	Water	QC Batch#:	2003/10/27-1B.65
Analysis Flag: 0 (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	960	250	ug/L	5.00	10/27/2003 11:54	g
Benzene	6.9	2.5	ug/L	5.00	10/27/2003 11:54	
Toluene	ND	2.5	ug/L	5.00	10/27/2003 11:54	
Ethylbenzene	9.0	2.5	ug/L	5.00	10/27/2003 11:54	
Total xylenes	ND	5.0	ug/L	5.00	10/27/2003 11:54	
tert-Butyl alcohol (TBA)	2400	25	ug/L	5.00	10/27/2003 11:54	
Methyl tert-butyl ether (MTBE)	90	2.5	ug/L	5.00	10/27/2003 11:54	
Surrogate(s)						
1,2-Dichloroethane-d4	91.5	76-130	%	5.00	10/27/2003 11:54	
Toluene-d8	104.8	78-115	%	5.00	10/27/2003 11:54	

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

10/29/2003 13:57

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 031015-SS1
98995842

Received: 10/16/2003 16:03

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	S-3	Lab ID:	2003-10-0620-2
Sampled:	10/15/2003 13:28	Extracted:	10/24/2003 22:40
Matrix:	Water	QC Batch#:	2003/10/24-0265

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	10/24/2003 22:40	
Benzene	ND	0.50	ug/L	1.00	10/24/2003 22:40	
Toluene	ND	0.50	ug/L	1.00	10/24/2003 22:40	
Ethylbenzene	ND	0.50	ug/L	1.00	10/24/2003 22:40	
Total xylenes	ND	1.0	ug/L	1.00	10/24/2003 22:40	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/24/2003 22:40	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/24/2003 22:40	
Surrogate(s)						
1,2-Dichloroethane-d4	84.4	76-130	%	1.00	10/24/2003 22:40	
Toluene-d8	101.1	78-115	%	1.00	10/24/2003 22:40	

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

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Project: 031015-SS1

98995842

Received: 10/16/2003 16:03

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	S-4	Lab ID:	2003-10-0620-3
Sampled:	10/15/2003 15:10	Extracted:	10/27/2003 12:17
Matrix:	Water	QC Batch#:	2003/10/27-1B.65
Analysis Flag: 0 (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	2500	ug/L	50.00	10/27/2003 12:17	
Benzene	ND	25	ug/L	50.00	10/27/2003 12:17	
Toluene	ND	25	ug/L	50.00	10/27/2003 12:17	
Ethylbenzene	ND	25	ug/L	50.00	10/27/2003 12:17	
Total xylenes	ND	50	ug/L	50.00	10/27/2003 12:17	
tert-Butyl alcohol (TBA)	11000	250	ug/L	50.00	10/27/2003 12:17	
Methyl tert-butyl ether (MTBE)	280	25	ug/L	50.00	10/27/2003 12:17	
Surrogate(s)						
1,2-Dichloroethane-d4	89.6	76	%	50.00	10/27/2003 12:17	
Toluene-d8	99.7	78	%	50.00	10/27/2003 12:17	

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

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Project: 031015-SS1

98995842

Received: 10/16/2003 16:03

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	S-5	Lab ID:	2003-10-0620 - 4
Sampled:	10/15/2003 14:25	Extracted:	10/24/2003 23:27
Matrix:	Water	QC Batch#:	2003/10/24-02.65
Analysis Flag: o (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1400	250	ug/L	5.00	10/24/2003 23:27	g
Benzene	27	2.5	ug/L	5.00	10/24/2003 23:27	
Toluene	ND	2.5	ug/L	5.00	10/24/2003 23:27	
Ethylbenzene	ND	2.5	ug/L	5.00	10/24/2003 23:27	
Total xylenes	ND	5.0	ug/L	5.00	10/24/2003 23:27	
tert-Butyl alcohol (TBA)	51	25	ug/L	5.00	10/24/2003 23:27	
Methyl tert-butyl ether (MTBE)	180	2.5	ug/L	5.00	10/24/2003 23:27	
Surrogate(s)						
1,2-Dichloroethane-d4	85.3	76-130	%	5.00	10/24/2003 23:27	
Toluene-d8	96.1	78-115	%	5.00	10/24/2003 23:27	

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

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Project: 031015-SS1

98995842

Received: 10/16/2003 16:03

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	B260FAB
Sample ID:	S-6	Lab ID:	2003-10-0620 - 5
Sampled:	10/15/2003 10:28	Extracted:	10/27/2003 13:26
Matrix:	Water	QC Batch#:	2003/10/27-1B.65
Analysis Flag: 0 (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/L	20.00	10/27/2003 13:26	
Benzene	ND	10	ug/L	20.00	10/27/2003 13:26	
Toluene	ND	10	ug/L	20.00	10/27/2003 13:26	
Ethylbenzene	ND	10	ug/L	20.00	10/27/2003 13:26	
Total xylenes	ND	20	ug/L	20.00	10/27/2003 13:26	
tert-Butyl alcohol (TBA)	10000	100	ug/L	20.00	10/27/2003 13:26	
Methyl tert-butyl ether (MTBE)	63	10	ug/L	20.00	10/27/2003 13:26	
Surrogate(s)						
1,2-Dichloroethane-d4	88.9	76	%	20.00	10/27/2003 13:26	
Toluene-d8	95.6	78	%	20.00	10/27/2003 13:26	

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: 031015-SS1
98995842

Received: 10/16/2003 16:03

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	S-7	Lab ID:	2003-10-0620 - 6
Sampled:	10/15/2003 10:00	Extracted:	10/25/2003 00:12
Matrix:	Water	QC Batch#:	2003/10/24-02.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	10/25/2003 00:12	
Benzene	ND	0.50	ug/L	1.00	10/25/2003 00:12	
Toluene	ND	0.50	ug/L	1.00	10/25/2003 00:12	
Ethylbenzene	ND	0.50	ug/L	1.00	10/25/2003 00:12	
Total xylenes	ND	1.0	ug/L	1.00	10/25/2003 00:12	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/25/2003 00:12	
Methyl tert-butyl ether (MTBE)	100	0.50	ug/L	1.00	10/25/2003 00:12	
Surrogate(s)						
1,2-Dichloroethane-d4	85.6	76-130	%	1.00	10/25/2003 00:12	
Toluene-d8	97.8	78-115	%	1.00	10/25/2003 00:12	

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

Blaine Tech Services, Inc.

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San Jose, CA 95112-1105

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Project: 031015-SS1
98995842

Received: 10/16/2003 16:03

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	S-8	Lab ID:	2003-10-0620 - 7
Sampled:	10/15/2003 14:20	Extracted:	10/25/2003 00:34
Matrix:	Water	QC Batch#:	2003/10/24-02.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	10/25/2003 00:34	
Benzene	ND	0.50	ug/L	1.00	10/25/2003 00:34	
Toluene	ND	0.50	ug/L	1.00	10/25/2003 00:34	
Ethylbenzene	ND	0.50	ug/L	1.00	10/25/2003 00:34	
Total xylenes	ND	1.0	ug/L	1.00	10/25/2003 00:34	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/25/2003 00:34	
Methyl tert-butyl ether (MTBE)	42	0.50	ug/L	1.00	10/25/2003 00:34	
Surrogate(s)						
1,2-Dichloroethane-d4	82.3	76-130	%	1.00	10/25/2003 00:34	
Toluene-d8	97.2	78-115	%	1.00	10/25/2003 00:34	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 031015-SS1

98995842

Received: 10/16/2003 16:03

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	S-9	Lab ID:	2003-10-0620 - B
Sampled:	10/15/2003 08:55	Extracted:	10/25/2003 00:57
Matrix:	Water	QC Batch#:	2003/10/24-02.65
Analysis Flag: o (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	100	ug/L	2.00	10/25/2003 00:57	
Benzene	ND	1.0	ug/L	2.00	10/25/2003 00:57	
Toluene	ND	1.0	ug/L	2.00	10/25/2003 00:57	
Ethylbenzene	ND	1.0	ug/L	2.00	10/25/2003 00:57	
Total xylenes	ND	2.0	ug/L	2.00	10/25/2003 00:57	
tert-Butyl alcohol (TBA)	ND	10	ug/L	2.00	10/25/2003 00:57	
Methyl tert-butyl ether (MTBE)	210	1.0	ug/L	2.00	10/25/2003 00:57	
Surrogate(s)						
1,2-Dichloroethane-d4	84.9	76-130	%	2.00	10/25/2003 00:57	
Toluene-d8	101.6	78-115	%	2.00	10/25/2003 00:57	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 031015-SS1
98995842

Received: 10/16/2003 16:03

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	S-10	Lab ID:	2003-10-0620 - 9
Sampled:	10/15/2003 11:38	Extracted:	10/25/2003 01:20
Matrix:	Water	QC Balch#:	2003/10/24-02.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	10/25/2003 01:20	
Benzene	ND	0.50	ug/L	1.00	10/25/2003 01:20	
Toluene	ND	0.50	ug/L	1.00	10/25/2003 01:20	
Ethylbenzene	ND	0.50	ug/L	1.00	10/25/2003 01:20	
Total xylenes	ND	1.0	ug/L	1.00	10/25/2003 01:20	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/25/2003 01:20	
Methyl tert-butyl ether (MTBE)	0.69	0.50	ug/L	1.00	10/25/2003 01:20	
Surrogate(s)						
1,2-Dichloroethane-d4	83.6	76-130	%	1.00	10/25/2003 01:20	
Toluene-d8	98.0	78-115	%	1.00	10/25/2003 01:20	

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

10/29/2003 13:57

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 031015-SS1

98995842

Received: 10/16/2003 16:03

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	S-11	Lab ID:	2003-10-0620 - 10
Sampled:	10/15/2003 11:18	Extracted:	10/25/2003 01:42
Matrix:	Water	QC Batch#:	2003/10/24-02 65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	10/25/2003 01:42	
Benzene	ND	0.50	ug/L	1.00	10/25/2003 01:42	
Toluene	ND	0.50	ug/L	1.00	10/25/2003 01:42	
Ethylbenzene	ND	0.50	ug/L	1.00	10/25/2003 01:42	
Total xylenes	ND	1.0	ug/L	1.00	10/25/2003 01:42	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/25/2003 01:42	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/25/2003 01:42	
Surrogate(s)						
1,2-Dichloroethane-d4	84.6	76-130	%	1.00	10/25/2003 01:42	
Toluene-d8	98.3	78-115	%	1.00	10/25/2003 01:42	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 031015-SS1
98995842

Received: 10/16/2003 16:03

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	S-12	Lab ID:	2003-10-0620 - 11
Sampled:	10/15/2003 10:55	Extracted:	10/25/2003 02:05
Matrix:	Water	QC Batch#:	2003/10/24-02.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	10/25/2003 02:05	
Benzene	ND	0.50	ug/L	1.00	10/25/2003 02:05	
Toluene	ND	0.50	ug/L	1.00	10/25/2003 02:05	
Ethylbenzene	ND	0.50	ug/L	1.00	10/25/2003 02:05	
Total xylenes	ND	1.0	ug/L	1.00	10/25/2003 02:05	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/25/2003 02:05	
Methyl tert-butyl ether (MTBE)	1.1	0.50	ug/L	1.00	10/25/2003 02:05	
Surrogate(s)						
1,2-Dichloroethane-d4	87.3	76-130	%	1.00	10/25/2003 02:05	
Toluene-d8	96.1	78-115	%	1.00	10/25/2003 02:05	

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

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Project: 031015-SS1

98995842

Received: 10/16/2003 16:03

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	T-2	Lab ID:	2003-10-0620-12
Sampled:	10/15/2003 14:05	Extracted:	10/25/2003 02:28
Matrix:	Water	QC Batch#:	2003/10/24-02.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	220	50	ug/L	1.00	10/25/2003 02:28	g
Benzene	ND	0.50	ug/L	1.00	10/25/2003 02:28	
Toluene	ND	0.50	ug/L	1.00	10/25/2003 02:28	
Ethylbenzene	ND	0.50	ug/L	1.00	10/25/2003 02:28	
Total xylenes	ND	1.0	ug/L	1.00	10/25/2003 02:28	
tert-Butyl alcohol (TBA)	23	5.0	ug/L	1.00	10/25/2003 02:28	
Methyl tert-butyl ether (MTBE)	13	0.50	ug/L	1.00	10/25/2003 02:28	
Surrogate(s)						
1,2-Dichloroethane-d4	81.4	76-130	%	1.00	10/25/2003 02:28	
Toluene-d8	99.1	78-115	%	1.00	10/25/2003 02:28	

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

Blaine Tech Services, Inc.

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Project: 031015-SS1
98995842

Received: 10/16/2003 16:03

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	T-4	Lab ID:	2003-10-0620-13
Sampled:	10/15/2003 14:30	Extracted:	10/25/2003 02:51
Matrix:	Water	QC Batch#:	2003/10/24-02.65
Analysis Flag: σ (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1200	250	ug/L	5.00	10/25/2003 02:51	
Benzene	15	2.5	ug/L	5.00	10/25/2003 02:51	
Toluene	6.1	2.5	ug/L	5.00	10/25/2003 02:51	
Ethylbenzene	2.8	2.5	ug/L	5.00	10/25/2003 02:51	
Total xylenes	11	5.0	ug/L	5.00	10/25/2003 02:51	
tert-Butyl alcohol (TBA)	980	25	ug/L	5.00	10/25/2003 02:51	
Methyl tert-butyl ether (MTBE)	310	2.5	ug/L	5.00	10/25/2003 02:51	
Surrogate(s)						
1,2-Dichloroethane-d4	83.9	76-130	%	5.00	10/25/2003 02:51	
Toluene-d8	101.0	78-115	%	5.00	10/25/2003 02:51	

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: 031015-SS1

98995842

Received: 10/16/2003 16:03

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SR-2	Lab ID:	2003-10-0620-14
Sampled:	10/15/2003 15:00	Extracted:	10/25/2003 03:14
Matrix:	Water	QC Batch#:	2003/10/24-02.65
Analysis Flag: 0 (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	500	ug/L	10.00	10/25/2003 03:14	
Benzene	ND	5.0	ug/L	10.00	10/25/2003 03:14	
Toluene	ND	5.0	ug/L	10.00	10/25/2003 03:14	
Ethylbenzene	ND	5.0	ug/L	10.00	10/25/2003 03:14	
Total xylenes	20	10	ug/L	10.00	10/25/2003 03:14	
tert-Butyl alcohol (TBA)	9800	50	ug/L	10.00	10/25/2003 03:14	
Methyl tert-butyl ether (MTBE)	1200	5.0	ug/L	10.00	10/25/2003 03:14	
Surrogate(s)						
1,2-Dichloroethane-d4	85.7	76-130	%	10.00	10/25/2003 03:14	
Toluene-d8	99.0	78-115	%	10.00	10/25/2003 03:14	

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

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San Jose, CA 95112-1105

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Project: 031015-SS1

98995842

Received: 10/16/2003 16:03

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SR-3	Lab ID:	2003-10-0620 - 15
Sampled:	10/15/2003 14:45	Extracted:	10/25/2003 04:22
Matrix:	Water	QC Batch#:	2003/10/24-02.65
Analysis Flag: o (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	310	250	ug/L	5.00	10/25/2003 04:22	
Benzene	3.2	2.5	ug/L	5.00	10/25/2003 04:22	
Toluene	ND	2.5	ug/L	5.00	10/25/2003 04:22	
Ethylbenzene	9.1	2.5	ug/L	5.00	10/25/2003 04:22	
Total xylenes	30	5.0	ug/L	5.00	10/25/2003 04:22	
tert-Butyl alcohol (TBA)	3600	25	ug/L	5.00	10/25/2003 04:22	
Methyl tert-butyl ether (MTBE)	240	2.5	ug/L	5.00	10/25/2003 04:22	
Surrogate(s)						
1,2-Dichloroethane-d4	84.4	76-130	%	5.00	10/25/2003 04:22	
Toluene-d8	102.4	78-115	%	5.00	10/25/2003 04:22	

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

Blaine Tech Services, Inc.

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San Jose, CA 95112-1105

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Project: 031015-SS1
98995842

Received: 10/16/2003 16:03

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 5030B				Test(s): 8260FAB	
Method Blank	Water			QC Batch # 2003/10/24-02.55	
MB: 2003/10/24-02.65-055				Date Extracted: 10/24/2003 21:55	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	10/24/2003 21:55	
Benzene	ND	0.5	ug/L	10/24/2003 21:55	
Toluene	ND	0.5	ug/L	10/24/2003 21:55	
Ethylbenzene	ND	0.5	ug/L	10/24/2003 21:55	
Total xylenes	ND	1.0	ug/L	10/24/2003 21:55	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/24/2003 21:55	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/24/2003 21:55	
Surrogates(s)					
1,2-Dichloroethane-d4	82.7	76-130	%	10/24/2003 21:55	
Toluene-d8	95.2	78-115	%	10/24/2003 21:55	

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

Blaine Tech Services, Inc.

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Project: 031015-SS1
98995842

Received: 10/16/2003 16:03

Site: 3790 Hopyard Rd., Pleasanton

Batch QG Report					
Prep(s): 5030B				Test(s): 8260FAB	
Method Blank		Water		QC Batch # 2003/10/27-1B.65	
MB: 2003/10/27-1B.65-045				Date Extracted: 10/27/2003 10:45	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	10/27/2003 10:45	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/27/2003 10:45	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/27/2003 10:45	
Benzene	ND	0.5	ug/L	10/27/2003 10:45	
Toluene	ND	0.5	ug/L	10/27/2003 10:45	
Ethylbenzene	ND	0.5	ug/L	10/27/2003 10:45	
Total xylenes	ND	1.0	ug/L	10/27/2003 10:45	
Surrogates(s)					
1,2-Dichloroethane-d4	90.5	76-130	%	10/27/2003 10:45	
Toluene-d8	99.4	78-115	%	10/27/2003 10:45	

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

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Project: 031015-SS1
98995842

Received: 10/16/2003 16:03

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report									
Prep(s): 5030B					Test(s): 8260FAB				
Laboratory Control Spike			Water			QC Batch # 2003/10/24-02.65			
LCS	2003/10/24-02.65-010		Extracted: 10/24/2003			Analyzed: 10/24/2003 21:10			
LCSD	2003/10/24-02.65-033		Extracted: 10/24/2003			Analyzed: 10/24/2003 21:33			

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	21.3	23.3	25.0	85.2	93.2	9.0	69-129	20		
Toluene	25.8	25.9	25.0	103.2	103.6	0.4	70-130	20		
Methyl tert-butyl ether (MTBE)	20.1	17.6	25.0	80.4	70.4	13.3	65-165	20		
<i>Surrogates(s)</i>										
1,2-Dichloroethane-d4	438	391	500	87.6	78.2		76-130			
Toluene-d8	525	521	500	105.0	104.2		78-115			

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

Blaine Tech Services, Inc.

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Project: 031015-SS1
98995842

Received: 10/16/2003 16:03

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 5030B					Test(s): 8260FAB
Laboratory Control Spike	Water			QC Batch # 2003/10/27-1B.65	
LCS 2003/10/27-1B.65-058	Extracted: 10/27/2003		Analyzed: 10/27/2003 09:58		
LCSD 2003/10/27-1B.65-022	Extracted: 10/27/2003		Analyzed: 10/27/2003 10:22		

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	17.4	18.1	25	69.6	72.4	3.9	65-165	20		
Benzene	18.0	18.4	25	72.0	73.6	2.2	69-129	20		
Toluene	19.7	21.2	25	78.8	84.8	7.3	70-130	20		
<i>Surrogates(s)</i>										
1,2-Dichloroethane-d4	447	451	500	89.4	90.2		76-130			
Toluene-d8	473	487	500	94.6	97.4		78-115			

Severn Trent Laboratories, Inc.

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

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

10/29/2003 13:57

Page 20 of 22

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

Blaine Tech Services, Inc.

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Project: 031015-SS1
98995842

Received: 10/16/2003 16:03

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report			
Prep(s):	5030B	Test(s):	8260FAB
Matrix Spike (MS / MSD)	Water	QC Batch #	2003/10/24-02.65
S-2 >> MS		Lab ID:	2003-10-0620 - 001
MS:	2003/10/24-02.65-037	Extracted:	10/25/2003
		Analyzed:	10/25/2003 03:37
		Dilution:	1.00
MSD:	2003/10/24-02.65-059	Extracted:	10/25/2003
		Analyzed:	10/25/2003 03:59
		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	25.1	29.0	6.57	25.0	74.1	89.7	19.0	69-129	20		
Toluene	23.7	25.4	ND	25.0	94.8	101.6	6.9	70-130	20		
Methyl tert-butyl ether	93.3	88.6	82.6	25.0	42.8	24.0	56.3	65-165	20	mso	mso
Surrogate(s)											
1,2-Dichloroethane-d4	429	397		500	85.8	79.5		76-130			
Toluene-d8	504	493		500	100.8	98.7		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: 031015-SS1
98995842

Received: 10/16/2003 16:03

Site: 3790 Hopyard Rd., Pleasanton

Legend and Notes

Analysis Flag

o

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

Result Flag

g

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

mso

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

SHELL Chain Of Custody Record

78549

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- ENVIRONMENTAL

Karen Petryna

2003-10-0620

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

DATE: **10/15/03**

PAGE: **1** of **2**

BLAINE COMPANY: Blaine Tech Services ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112 PROJECT CONTACT (Name/Title/Phone/Fax): Leon Gearhart TELEPHONE: 408-573-0595 FAX: 408-573-7771 EMAIL: lgearhart@blainetech.com	LOG CODE: BTSS:	SITE ADDRESS (Street and City): 3790 Hopyard Rd., Pleasanton (IF DELIVERABLE TO Physicist/Plum or Designer)	PHONE NO.: (707) 442-2700	LOCAL ID NO.: T0600101257	CONSULTANT PROJECT NO.: BTSS 031015-SS
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		SAMPLER NUMBER (VNU): S. Sung, P. Cornish		LAB USE ONLY:	

REQUESTED ANALYSIS

LA - RWQCE REPORT FORMAT LIST AGENCY

GCMS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

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

FIELD NOTES:
 Contain Preservative
 or PID Readings
 or Laboratory Notes

2.0 ac

TEMPERATURE ON RECEIPT C°

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgable (2200B)	BTEX (2200B)	MTBE (402 LB - 5000 RL)	MTBE (2500B - 0.5000 RL)	Oxygenates (6) by (8200B)	Ethanol (8200B)	Methanol	EDS & 1,2-DCA (2200B)	TBA (8200B)
		DATE	TIME											
	S-2	10/15/03	1520	U	3	X	X	X						X
	S-3		1328			X	X	X						X
	S-4		150			X	X	X						X
	S-5		1425			X	X	X						X
	S-6		028			X	X	X						X
	S-7		1000			X	X	X						X
	S-8		1420			X	X	X						X
	S-9		055			X	X	X						X
	S-10		1138			X	X	X						X
	S-11		110			X	X	X						X

Used Non-Preservative VOA's

RXN in VOA - used VOA

Released by (Signature): <i>P. J. ...</i>	Received by (Signature): <i>[Signature]</i>	Date: 10/16/03	Time: 1325
Released by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 10/16/03	Time: 1603

CSC Graphic (P11) 898-2702

SHELL Chain Of Custody Record

Lab Identification (if necessary):

Reference:

City, State, Zip:

Shell Project Manager to be Invoiced:

- SERVICE & ENGINEERING
- TECHNICAL SERVICES
- QM/HAZARDOUS

Karen Petryna

2003-10-0620

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 8 4 2

SAP OR CRMY NUMBER (S/CRMY)

DATE: 10/15/03

PAGE: 2 of 2

ANALYSIS COMPANY Blaine Tech Services ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112		LOG CODE: BTSS	SITE ADDRESS (Street and City): 3790 Hopyard Rd., Pleasanton		GLOBAL ID NO.: T0600101257
PROJECT CONTACT (OVERSEER or FOR REPORT USE) Leon Gearhart TELEPHONE: 408-573-0555		FAX: 408-573-7771	E-MAIL: lgearhart@blainetech.com	PHONE NO.: Ana Friel (707) 442-2700	CONSULTANT PROJECT NO.: STS # 031015-SS
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:			
SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF BDO IS NOT NEEDED <input type="checkbox"/>		FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes <div style="font-size: 24pt; text-align: center;">2.0 °C</div> TEMPERATURE ON RECEIPT °C			

LAB USE ONLY	Field Sample Identification				TYM - Gas, Purgeable (E26005)	BTEX (E26008)	MTBE (E26218 - 5ppb RL)	MTBE (E26009 - 0.5ppb RL)	Oxygenates (5) by (E26006)	Ethanol (E26009)	Methanol	ED9 & 1,2-DCA (E26007)	TBA (E26009)	FIELD NOTES
	DATE	TIME	MATRIX	NO. OF CONT.										
	5-12	10/15/03	W	3	X	X	X							NPVOAS-Rxn HCl
	T-2	1405			X	X	X							
	T-4	1430			X	X	X							
	SR-2	1500			X	X	X							
	SR-3	1445			X	X	X							

Retrieved by (Signature): 	Received by (Signature): 	Date: 10/16/03 Time: 1325
Requisitioned by (Signature): 	Received by (Signature): 	Date: 10/16/03 Time: 1603

Dist. Production - Write with Mail report, Green to Re, Yellow and Pink to Client.

C&O Graphic 0141 890-8702

Appendix B
GWE System
Certified Analytical Reports

Cambria Environmental Emeryville

October 07, 2003

5900 Hollis Street, Ste. A
Emeryville, CA 94608

Attn.: Cynthia Vasko

Project#: 245-0497-003

Project: 98995842

Site: 3790 Hopyard Road, Pleasanton

Dear Ms. Vasko:

Attached is our report for your samples received on 09/25/2003 18:24

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

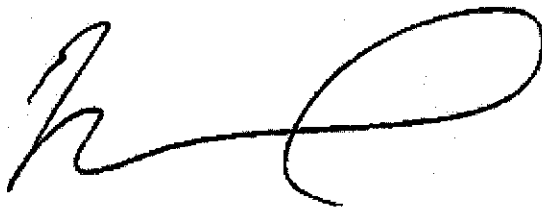
The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after 11/09/2003 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

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 * CA DHS ELAP# 2496

Cambria Environmental Emeryville

October 07, 2003

5900 Hollis Street, Ste. A
Emeryville, CA 94608

Attn.: Cynthia Vasko

Project#: 245-0497-003

Project: 98995842

Site: 3790 Hopyard Road, Pleasanton

Case Narrative

General and Sample Comments

We (STL San Francisco) received 4 Water samples , on Thursday, September 25, 2003 6:24 PM.

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

LCSD for batch 2003/10/02-2B.64 was outside of control limits. The MS/MSD for that batch verifies the accuracy for that batch. Data is reported as is.

Analysis Comments and Flags by QC Batch

Gas/BTEX Fuel Oxygenates by 8260B - 5ppb MTBE RL (Selectable)	Water	QC Batch#: 200310022B64
--	-------	-------------------------

INF	2003-09-0964-001
Analysis Flag(s)	
o	Reporting limits were raised due to high level of analyte present in the sample.
MID 1	2003-09-0964-002
Analysis Flag(s)	
Im	Reporting limits raised due to high level of non-target analyte materials.
MID 2	2003-09-0964-003
Analysis Flag(s)	
Im	Reporting limits raised due to high level of non-target analyte materials.

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

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: 245-0497-003
98995842

Received: 09/25/2003 18:24

Site: 3790 Hopyard Road, Pleasanton

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INF	09/25/2003 17:15	Water	1
MID 1	09/25/2003 17:10	Water	2
MID 2	09/25/2003 17:05	Water	3
EFF	09/25/2003 17:00	Water	4

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: 245-0497-003
98995842

Received: 09/25/2003 18:24

Site: 3790 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	INF	Lab ID:	2003-09-0964 - 1
Sampled:	09/25/2003 17:15	Extracted:	10/3/2003 02:05
Matrix:	Water	QC Batch#:	2003/10/02-2B.64
Analysis Flag: 0: (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/L	20.00	10/03/2003 02:05	
Benzene	ND	10	ug/L	20.00	10/03/2003 02:05	
Toluene	ND	10	ug/L	20.00	10/03/2003 02:05	
Ethylbenzene	ND	10	ug/L	20.00	10/03/2003 02:05	
Total xylenes	ND	20	ug/L	20.00	10/03/2003 02:05	
Methyl tert-butyl ether (MTBE)	2600	100	ug/L	20.00	10/03/2003 02:05	
Surrogate(s)						
1,2-Dichloroethane-d4	90.3	76-130	%	20.00	10/03/2003 02:05	
Toluene-d8	96.5	78-115	%	20.00	10/03/2003 02:05	

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: 245-0497-003
98995842

Received: 09/25/2003 18:24

Site: 3790 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MID 1	Lab ID:	2003-09-0964 - 2
Sampled:	09/25/2003 17:10	Extracted:	10/3/2003 02:27
Matrix:	Water	QC Batch#:	2003/10/02-2B:64
Analysis Flag: Im (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	250	ug/L	5.00	10/03/2003 02:27	
Benzene	ND	2.5	ug/L	5.00	10/03/2003 02:27	
Toluene	ND	2.5	ug/L	5.00	10/03/2003 02:27	
Ethylbenzene	ND	2.5	ug/L	5.00	10/03/2003 02:27	
Total xylenes	ND	5.0	ug/L	5.00	10/03/2003 02:27	
Methyl tert-butyl ether (MTBE)	ND	25	ug/L	5.00	10/03/2003 02:27	
Surrogate(s)						
1,2-Dichloroethane-d4	90.5	76-130	%	5.00	10/03/2003 02:27	
Toluene-d8	99.2	78-115	%	5.00	10/03/2003 02:27	

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: 245-0497-003

98995842

Received: 09/25/2003 18:24

Site: 3790 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MID 2	Lab ID:	2003-09-0984 - 3
Sampled:	09/25/2003 17:05	Extracted:	10/3/2003 02:49
Matrix:	Water	QC Batch#:	2003/10/02-28 64
Analysis Flag: Im (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	250	ug/L	5.00	10/03/2003 02:49	
Benzene	ND	2.5	ug/L	5.00	10/03/2003 02:49	
Toluene	ND	2.5	ug/L	5.00	10/03/2003 02:49	
Ethylbenzene	ND	2.5	ug/L	5.00	10/03/2003 02:49	
Total xylenes	ND	5.0	ug/L	5.00	10/03/2003 02:49	
Methyl tert-butyl ether (MTBE)	ND	25	ug/L	5.00	10/03/2003 02:49	
Surrogate(s)						
1,2-Dichloroethane-d4	92.7	76-130	%	5.00	10/03/2003 02:49	
Toluene-d8	101.4	78-115	%	5.00	10/03/2003 02:49	

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: 245-0497-003
98995842

Received: 09/25/2003 18:24

Site: 3790 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	EFF	Lab ID:	2003-09-0964 - 4
Sampled:	09/25/2003 17:00	Extracted:	10/3/2003 03:11
Matrix:	Water	QC Batch#:	2003/10/02-2B.84

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	10/03/2003 03:11	
Benzene	ND	0.50	ug/L	1.00	10/03/2003 03:11	
Toluene	ND	0.50	ug/L	1.00	10/03/2003 03:11	
Ethylbenzene	ND	0.50	ug/L	1.00	10/03/2003 03:11	
Total xylenes	ND	1.0	ug/L	1.00	10/03/2003 03:11	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	10/03/2003 03:11	
Surrogate(s)						
1,2-Dichloroethane-d4	81.4	76-130	%	1.00	10/03/2003 03:11	
Toluene-d8	100.6	78-115	%	1.00	10/03/2003 03:11	

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: 245-0497-003
98995842

Received: 09/25/2003 18:24

Site: 3790 Hopyard Road, Pleasanton

Batch QC Report					
Prep(s): 5030B				Test(s): 8260FAB	
Method Blank		Water		QC Batch # 2003/10/02-2B.64	
MB: 2003/10/02-2B.64-045				Date Extracted: 10/02/2003 22:45	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	10/02/2003 22:45	
Benzene	ND	0.5	ug/L	10/02/2003 22:45	
Toluene	ND	0.5	ug/L	10/02/2003 22:45	
Ethylbenzene	ND	0.5	ug/L	10/02/2003 22:45	
Total xylenes	ND	1.0	ug/L	10/02/2003 22:45	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	10/02/2003 22:45	
Surrogates(s)					
1,2-Dichloroethane-d4	77.4	76-130	%	10/02/2003 22:45	
Toluene-d8	98.7	78-115	%	10/02/2003 22:45	

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: 245-0497-003
98995842

Received: 09/25/2003 18:24

Site: 3790 Hopyard Road, Pleasanton

Batch QC Report									
Prep(s): 5030B					Test(s): 8260FAB				
Laboratory Control Spike			Water			QC Batch # 2003/10/02-2B.64			
LCS: 2003/10/02-2B.64-001			Extracted: 10/02/2003			Analyzed: 10/02/2003 22:01			
LCSD									

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	17.8		25	71.2			69-129	20		
Toluene	20.7		25	82.8			70-130	20		
Methyl tert-butyl ether (MTBE)	16.5		25	66.0			65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	399		500	79.8			76-130			
Toluene-d8	489		500	97.8			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

10/07/2003 14:31

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: 245-0497-003
98995842

Received: 09/25/2003 18:24

Site: 3790 Hopyard Road, Pleasanton

Batch QC Report			
Prep(s):	5030B		TSS(s) 8260FAB
Matrix Spike (MS / MSD)		Water	QC Batch # 2003/10/02-2B.64
S-4 >> MS			Lab ID: 2003-09-0937 - 004
MS:	2003/10/02-2B-64-036	Extracted: 10/03/2003	Analyzed: 10/03/2003 00:36
			Dilution: 1.00
MSD:	2003/10/02-2B-64-058	Extracted: 10/03/2003	Analyzed: 10/03/2003 00:58
			Dilution: 1.00

Compound	Conc. ug/L			Spk Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	20.6	23.0	ND	25	82.0	92.0	11.5	69-129	20		
Toluene	24.3	26.4	ND	25	97.2	105.6	8.3	70-130	20		
Methyl tert-butyl ether	23.9	27.7	2.15	25	87.0	102.2	16.1	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	412	437		500	82.4	87.5		76-130			
Toluene-d8	489	519		500	97.9	103.7		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: 245-0497-003
98995842

Received: 09/25/2003 18:24

Site: 3790 Hopyard Road, Pleasanton

Legend and Notes

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.

1220 Quarry Lane
Pleasanton, CA 94566

(925) 484-1919 (925) 484-1090 fax

Shell Project Manager to be involved:

- OFFICE & EMPLOYED
- FIELD SERVICE
- CONTRACTOR

2003.09.016H

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 8 4 2

DATE: **9-25-03**

CRMT NUMBER (TS/CRMT)

PAGE: 1 of 1

ANALYST ORGANIZATION: **Cambria Environmental Technology, Inc.** **CETS** **LABORATORY NO.:** N/A

ADDRESS: **3790 Hopyard Road, Pleasanton** **LABORATORY NAME:** N/A

PROJECT CONTACT (Name & Phone No): **Cynthia Vaako** **PHONE NO.:** 510-420-3344 **FAX:** 510-420-2178 **EMAIL:** cvaako@cambria-env.com

LABORATORY CONTACT (Name & Phone No): **VALENTIN HAEDERIAN** **LABORATORY NO.:** 245-0497-003

LABORATORY TYPE: **VALENTIN HAEDERIAN**

TEST DELIVERABLE TO (Responsible Party or Division): N/A

PROJECT CONTACT (Name & Phone No): N/A

LABORATORY CONTACT (Name & Phone No): N/A

LABORATORY PROJECT NO.: 245-0497-003

TURNAROUND TIME (BUSINESS DAYS): 14 DAYS 5 DAYS 72 HOURS 48 HOURS 24 HOURS LESS THAN 24 HOURS

REPORT FORMAT: LA - RWCC REPORT FORMAT UST AGENCY

GCMS SITE CONFIRMATION: HIGHEST HIGHEST PER BORING ALL

SPECIAL INSTRUCTIONS OR NOTES: **Check box if EDD is NOT NEEDED:**

Flow Totalizer = 352404 **Hour Meter = 1716.9**

REQUESTED ANALYSIS

Field Sample Identification	DATE	TIME	MATRIX	NO. OF CONT.	TPH - Programmable	TPH - Extractable (ppm)	STEX	MTHG (5 ppm)	TBA	5 Organics	12 DCA and EDR	Ethanol	Methanol	VOCs by ETOAS	Semi-volatiles by SE79GC	Lead	CADTS	CADTS	Test for Disposal	FIELD NOTES:
INF	9-25	6:15	AG	5	X	X	X													Contains Preservative or PID Readings or Laboratory Notes 13.9°C 20.0°C Dell 9/25/03
MID-1		6:10	AG	5	X	X	X													TEMPERATURE ON RECEIPT OF
MID-2		6:05	AG	5	X	X	X													VOAs w/HCI
EFF		5:00	AG	5	X	X	X													VOAs w/HCI

Flow Totalizer = **352404** Hour Meter = **1716.9**

Field Sample Identification	DATE	TIME	MATRIX	NO. OF CONT.	TPH - Programmable	TPH - Extractable (ppm)	STEX	MTHG (5 ppm)	TBA	5 Organics	12 DCA and EDR	Ethanol	Methanol	VOCs by ETOAS	Semi-volatiles by SE79GC	Lead	CADTS	CADTS	Test for Disposal	FIELD NOTES:
INF	9-25	6:15	AG	5	X	X	X													Contains Preservative or PID Readings or Laboratory Notes 13.9°C 20.0°C Dell 9/25/03
MID-1		6:10	AG	5	X	X	X													TEMPERATURE ON RECEIPT OF
MID-2		6:05	AG	5	X	X	X													VOAs w/HCI
EFF		5:00	AG	5	X	X	X													VOAs w/HCI

Requested by (Signature): **Valentin Haederman** Date: **9/25/03** Time: **1824**

Received by (Signature): **Demetrius H...** Date: **9/25/03** Time: **1824**

Cambria Environmental Emeryville

October 26, 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 10/10/2003 11:30

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

Please note that any unused portion of the samples will be discarded after 11/24/2003 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: vwancil@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 * 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: 245-0497-003
98995842

Received: 10/10/2003 11:30

Site: 3790 Hopyard Rd., Pleasanton

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INF	10/10/2003 10:00	Water	1
MID 1	10/10/2003 09:55	Water	2
MID 2	10/10/2003 09:50	Water	3
EFF	10/10/2003 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: 245-0497-003
98995842

Received: 10/10/2003 11:30

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	INF	Lab ID:	2003-10-0422 - 1
Sampled:	10/10/2003 10:00	Extracted:	10/22/2003 15:59
Matrix:	Water	QC Batch#:	2003/10/22-1D.64
Analysis Flag: 0 (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	5000	ug/L	100.00	10/22/2003 15:59	
Benzene	ND	50	ug/L	100.00	10/22/2003 15:59	
Toluene	ND	50	ug/L	100.00	10/22/2003 15:59	
Ethylbenzene	ND	50	ug/L	100.00	10/22/2003 15:59	
Total xylenes	ND	100	ug/L	100.00	10/22/2003 15:59	
Methyl tert-butyl ether (MTBE)	1800	500	ug/L	100.00	10/22/2003 15:59	
Surrogate(s)						
1,2-Dichloroethane-d4	98.7	76-130	%	100.00	10/22/2003 15:59	
Toluene-d8	99.0	78-115	%	100.00	10/22/2003 15:59	

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: 10/10/2003 11:30

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	50308	Test(s):	8260FAB
Sample ID:	MID 1	Lab ID:	2003-10-0422 - 2
Sampled:	10/10/2003 09:55	Extracted:	10/23/2003 15:25
Matrix:	Water	QC Batch#:	2003/10/23-1C.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	100	ug/L	2.00	10/23/2003 15:25	
Benzene	ND	1.0	ug/L	2.00	10/23/2003 15:25	
Toluene	ND	1.0	ug/L	2.00	10/23/2003 15:25	
Ethylbenzene	ND	1.0	ug/L	2.00	10/23/2003 15:25	
Total xylenes	ND	2.0	ug/L	2.00	10/23/2003 15:25	
Methyl tert-butyl ether (MTBE)	85	10	ug/L	2.00	10/23/2003 15:25	
Surrogate(s)						
1,2-Dichloroethane-d4	98.5	76-130	%	2.00	10/23/2003 15:25	
Toluene-d8	107.3	78-115	%	2.00	10/23/2003 15:25	

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: 10/10/2003 11:30

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MID 2	Lab ID:	2003-10-0422 - 3
Sampled:	10/10/2003 09:50	Extracted:	10/23/2003 15:47
Matrix:	Water	QC Batch#:	2003/10/23-10,65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	100	ug/L	2.00	10/23/2003 15:47	
Benzene	ND	1.0	ug/L	2.00	10/23/2003 15:47	
Toluene	ND	1.0	ug/L	2.00	10/23/2003 15:47	
Ethylbenzene	ND	1.0	ug/L	2.00	10/23/2003 15:47	
Total xylenes	ND	2.0	ug/L	2.00	10/23/2003 15:47	
Methyl tert-butyl ether (MTBE)	ND	10	ug/L	2.00	10/23/2003 15:47	
Surrogate(s)						
1,2-Dichloroethane-d4	114.1	76-130	%	2.00	10/23/2003 15:47	
Toluene-d8	104.6	78-115	%	2.00	10/23/2003 15:47	

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

10/24/2003 09:10

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: 10/10/2003 11:30

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	EFF	Lab ID:	2003-10-0422-4
Sampled:	10/10/2003 09:45	Extracted:	10/22/2003 15:37
Matrix:	Water	QC Batch#:	2003/10/22-1D.64
Analysis Flag: In (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	100	ug/L	2.00	10/22/2003 15:37	
Benzene	ND	1.0	ug/L	2.00	10/22/2003 15:37	
Toluene	ND	1.0	ug/L	2.00	10/22/2003 15:37	
Ethylbenzene	ND	1.0	ug/L	2.00	10/22/2003 15:37	
Total xylenes	ND	2.0	ug/L	2.00	10/22/2003 15:37	
Methyl tert-butyl ether (MTBE)	ND	10	ug/L	2.00	10/22/2003 15:37	
Surrogate(s)						
1,2-Dichloroethane-d4	115.9	76-130	%	2.00	10/22/2003 15:37	
Toluene-d8	103.1	78-115	%	2.00	10/22/2003 15:37	

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: 10/10/2003 11:30

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 5030B				Test(s) 8260FAB	
Method Blank		Water		QC Batch # 2003/10/22-1D.64	
MB: 2003/10/22-1D.64-011				Date Extracted: 10/22/2003 11:11	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	10/22/2003 11:11	
Benzene	ND	0.5	ug/L	10/22/2003 11:11	
Toluene	ND	0.5	ug/L	10/22/2003 11:11	
Ethylbenzene	ND	0.5	ug/L	10/22/2003 11:11	
Total xylenes	ND	1.0	ug/L	10/22/2003 11:11	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	10/22/2003 11:11	
Surrogates(s)					
1,2-Dichloroethane-d4	97.6	76-130	%	10/22/2003 11:11	
Toluene-d8	94.1	78-115	%	10/22/2003 11:11	

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: 10/10/2003 11:30

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 5030B				Test(s): 8260FAB	
Method Blank		Water		QC Batch # 2003/10/23-1G.65	
MB: 2003/10/23-1G.65-032				Date Extracted: 10/23/2003 11:32	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	10/23/2003 11:32	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	10/23/2003 11:32	
Benzene	ND	0.5	ug/L	10/23/2003 11:32	
Toluene	ND	0.5	ug/L	10/23/2003 11:32	
Ethylbenzene	ND	0.5	ug/L	10/23/2003 11:32	
Total xylenes	ND	1.0	ug/L	10/23/2003 11:32	
Surrogates(s)					
1,2-Dichloroethane-d4	83.7	76-130	%	10/23/2003 11:32	
Toluene-d8	108.6	78-115	%	10/23/2003 11:32	

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: 10/10/2003 11:30

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report			
Prep(s) 5030B			Test(s) 8260FAB
Laboratory Control Spike	Water		QC Batch # 2003/10/22-1D.64
LCS 2003/10/22-1D.64-027	Extracted: 10/22/2003		Analyzed: 10/22/2003 10:27
LCSD 2003/10/22-1D.64-049	Extracted: 10/22/2003		Analyzed: 10/22/2003 10:49

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	19.9	21.1	25	79.6	84.4	5.9	69-129	20		
Toluene	22.9	24.2	25	91.6	96.8	5.5	70-130	20		
Methyl tert-butyl ether (MTBE)	19.7	21.9	25	78.8	87.6	10.6	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	493	498	500	98.6	99.6		76-130			
Toluene-d8	477	470	500	95.4	94.0		78-115			

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

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

Project: 245-0497-003
98995842

Received: 10/10/2003 11:30

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report			
Prep(s): 5030B			Test(s) 8260FAB
Laboratory Control Spike	Water		QC Batch # 2003/10/23-1C.65
LCS 2003/10/23-1C.65-047	Extracted: 10/23/2003		Analyzed: 10/23/2003 10:47
LCSD 2003/10/23-1C.65-009	Extracted: 10/23/2003		Analyzed: 10/23/2003 11:09

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	18.0	18.2	25	72.0	72.8	1.1	65-165	20		
Benzene	19.9	21.0	25	79.6	84.0	5.4	69-129	20		
Toluene	19.6	21.9	25	78.4	87.6	11.1	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	457	451	500	91.4	90.2		76-130			
Toluene-d8	477	502	500	95.4	100.4		78-115			

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

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

Project: 245-0497-003
98995842

Received: 10/10/2003 11:30

Site: 3790 Hopyard Rd., Pleasanton

Legend and Notes

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.

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: 10/10/2003 11:30

Site: 3790 Hopyard Rd., Pleasanton

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INF	10/10/2003 10:00	Water	1
EFF	10/10/2003 09:45	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: 245-0497-003

98995842

Received: 10/10/2003 11:30

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	INF	Lab ID:	2003-10-0422 - 1
Sampled:	10/10/2003 10:00	Extracted:	10/22/2003 13:10
Matrix:	Water	QC Batch#:	2003/10/22-3A 10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	67	50	ug/L	1.00	10/23/2003 12:42	ndp
Surrogate(s)						
o-Terphenyl	69.0	50-120	%	1.00	10/23/2003 12:42	

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: 10/10/2003 11:30

Site: 3790 Hopyard Rd., Pleasanton

Prep(s)	3510/8015M	Test(s)	8015M
Sample ID	EFF	Lab ID	2003-10-0422-4
Sampled	10/10/2003 08:45	Extracted	10/18/2003 10:04
Matrix	Water	QC Batch#	2003/10/18-2A 10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	10/20/2003 23:17	
<i>Surrogate(s)</i>						
o-Terphenyl	87.2	50-120	%	1.00	10/20/2003 23:17	

Diesel (C10-C24) by 8015m

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: 10/10/2003 11:30

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 3510/8015M				Test(s): 8015M	
Method Blank		Water		QC Batch # 2003/10/18-2A-10	
MB: 2003/10/18-2A-10-001				Date Extracted: 10/18/2003 10:04	
Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	10/20/2003 08:02	
Surrogates(s) o-Terphenyl	91.9	50-120	%	10/20/2003 08:02	

Diesel (C10-C24) by 8015m

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

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Emeryville, CA 94608

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Project: 245-0497-003

98995842

Received: 10/10/2003 11:30

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 3510/8015M		Water		Test(s): 8015M	
Method Blank				QC Batch # 2003/10/22-3A.10	
MB: 2003/10/22-3A.10-001				Date Extracted: 10/22/2003 13:10	
Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	10/23/2003 11:41	
Surrogates(s) o-Terphenyl	87.8	50-120	%	10/23/2003 11:41	

Diesel (C10-C24) by 8015m

Cambria Environmental Emeryville

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Emeryville, CA 94608

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

Project: 245-0497-003
98995842

Received: 10/10/2003 11:30

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report			
Prep(s): 3510/8015M			Test(s): 8015M
Laboratory Control Spike	Water		QC Batch # 2003.10/18-2A-10
LCS 2003/10/18-2A-10-002	Extracted: 10/18/2003		Analyzed: 10/20/2003 08:32
LCSD 2003/10/18-2A-10-003	Extracted: 10/18/2003		Analyzed: 10/20/2003 09:03

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	839	859	1000	83.9	85.9	2.4	60-130	25		
Surrogates(s) o-Terphenyl	18.8	19.1	20.0	93.8	95.3		50-120			

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: 10/10/2003 11:30

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report									
Prep(s): 3510/8015M					Test(s) 8015M				
Laboratory Control Spike			Water			QC Batch # 2003/10/22-3A.10			
LCS	2003/10/22-3A.10-002		Extracted: 10/22/2003			Analyzed: 10/23/2003 10:40			
LCSD	2003/10/22-3A.10-003		Extracted: 10/22/2003			Analyzed: 10/23/2003 11:10			

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	864	1060	1000	86.4	106.0	20.4	60-130	25		
<i>Surrogates(s)</i> o-Terphenyl	18.6	19.8	20.0	93.0	98.8		50-120			

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: 10/10/2003 11:30

Site: 3790 Hopyard Rd., Pleasanton

Legend and Notes

Result Flag

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

1220 Quarry Lane
Pleasanton, CA 94566

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

Shell Project Manager to be invoiced:

SCIENCE & ENVIRONMENT
 TECHNICAL SERVICES
 CONSULTING

2003-10-0422

Karen Polyns

INCIDENT NUMBER (SAE ONLY)

9 8 9 9 5 8 4 2

SAP or CRMT NUMBER (TS/CRMT)

DATE: 10-10-03

PAGE: 1 of 1

COMPANY NAME: Cambria Environmental Technology, Inc.		JOB CODE: CETS	SITE ADDRESS (Street and City): 3790 Hopyard Road, Pleasanton		GLOBAL ID NO: N/A
ADDRESS: 5900 Hollis Street, Suite A, Emeryville, CA 94608		EPC DESIGNATED TO SHIP SAMPLES TO (Company): N/A		PHONE NO: N/A	CONTRACT PROJECT NO: 245-0497-003
PROJECT CONTACT (Name and Title): Cynthia Vesko		SAMPLE NAME (PPE): URSTAN HAEDADIAN		LABORATORY ONLY:	
TELEPHONE: 510-420-5344	FAX: 510-420-9170	EMAIL: cvesko@cambria-env.com			

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

LA - RWQC REPORT FORMAT USE AGENCY:
 GCMS-MSDS CONFIRMATION: HIGHEST _____ HIGHEST per SPRING _____ ALL _____
 SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF SOD IS NOT MET/DID
 Flow Totalizer = 420240.0 Hour Meter = 2069.7

LAB	Field Sample Identification	SAMPLING		MTRK	NO. OF CONT.	TPH - Purpose	TPH - Extractable (6015m)	BTEX	MTBE (5 ppb)	TBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by AZOHS	Semi-Volatiles by AZOVC	Lead - 0.1 ug/L - 0.1 ug/L	LUPIS - 0.1 ug/L - 0.1 ug/L	CAMP - 0.1 ug/L - 0.1 ug/L	Test for Disposal	FIELD NOTES: Container/Preservative or RID Readings or Laboratory Notes 8.3°C (4 hrs) TEMPERATURE ON RECEIPT	
		DATE	TIME																			
INF		10-10	10:00	AQ	5	X	X	X	X													VOAs w/HCl = 500 mL Amber
MID-1			9:55	AQ	5	X		X	X													VOAs w/HCl
MID-2			9:50	AQ	5	X		X	X													VOAs w/HCl
EPE			9:45	AQ	5	X	X	X	X													VOAs w/HCl = 500 mL Amber

Released by (Signature): <i>Karen Polyns</i>	Received by (Signature): <i>Journal</i>	Date: 10/10/03	Time: 11:30
Released by (Signature):	Received by (Signature):	Date:	Time:
Released by (Signature):	Received by (Signature):	Date:	Time:

Cambria Environmental Emeryville

November 06, 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 10/24/2003 17:05

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 12/08/2003 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

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 * 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: 245-0497-003
98995842

Received: 10/24/2003 17:05

Site: 3790 Hopyard Rd., Pleasanton

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INF	10/24/2003 10:35	Water	1
MID 1	10/24/2003 10:30	Water	2
MID 2	10/24/2003 10:25	Water	3
EFF	10/24/2003 10:20	Water	4

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: 10/24/2003 17:05

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	INF	Lab ID:	2003-10-0929-1
Sampled:	10/24/2003 10:35	Extracted:	11/4/2003 00:08
Matrix:	Water	QC Batch#:	2003/11/03-1A/65
Analysis Flag: 0 (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	500	ug/L	10.00	11/04/2003 00:08	
Benzene	ND	5.0	ug/L	10.00	11/04/2003 00:08	
Toluene	ND	5.0	ug/L	10.00	11/04/2003 00:08	
Ethylbenzene	ND	5.0	ug/L	10.00	11/04/2003 00:08	
Total xylenes	ND	10	ug/L	10.00	11/04/2003 00:08	
Methyl tert-butyl ether (MTBE)	1500	5.0	ug/L	10.00	11/04/2003 00:08	
Surrogate(s)						
1,2-Dichloroethane-d4	102.5	76-130	%	10.00	11/04/2003 00:08	
Toluene-d8	93.7	78-115	%	10.00	11/04/2003 00:08	

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: 10/24/2003 17:05

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MID 1	Lab ID:	2003-10-0929 - 2
Sampled:	10/24/2003 10:30	Extracted:	11/4/2003 00:30
Matrix:	Water	QC Batch#:	2003/11/03-1A.85
Analysis Flag: Im (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	500	ug/L	10.00	11/04/2003 00:30	
Benzene	ND	5.0	ug/L	10.00	11/04/2003 00:30	
Toluene	ND	5.0	ug/L	10.00	11/04/2003 00:30	
Ethylbenzene	ND	5.0	ug/L	10.00	11/04/2003 00:30	
Total xylenes	ND	10	ug/L	10.00	11/04/2003 00:30	
Methyl tert-butyl ether (MTBE)	75	5.0	ug/L	10.00	11/04/2003 00:30	
Surrogate(s)						
1,2-Dichloroethane-d4	105.7	76-130	%	10.00	11/04/2003 00:30	
Toluene-d8	96.8	78-115	%	10.00	11/04/2003 00:30	

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: 10/24/2003 17:05

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MID 2	Lab ID:	2003-10-0929 - 3
Sampled:	10/24/2003 10:25	Extracted:	11/4/2003 00:53
Matrix:	Water	QC Batch#:	2003/11/03-1A.65
Analysis Flag: Im (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	500	ug/L	10.00	11/04/2003 00:53	
Benzene	ND	5.0	ug/L	10.00	11/04/2003 00:53	
Toluene	ND	5.0	ug/L	10.00	11/04/2003 00:53	
Ethylbenzene	ND	5.0	ug/L	10.00	11/04/2003 00:53	
Total xylenes	ND	10	ug/L	10.00	11/04/2003 00:53	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	10.00	11/04/2003 00:53	
Surrogate(s)						
1,2-Dichloroethane-d4	100.5	78-130	%	10.00	11/04/2003 00:53	
Toluene-d8	95.8	78-115	%	10.00	11/04/2003 00:53	

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: 245-0497-003

98995842

Received: 10/24/2003 17:05

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	503DB	Test(s):	8260B
Sample ID:	EFF	Lab ID:	2003-10-0929 - 4
Sampled:	10/24/2003 10:20	Extracted:	11/4/2003 01:15
Matrix:	Water	QC Batch#:	2003/11/03-1A.65
Analysis Flag: Im (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	500	ug/L	10.00	11/04/2003 01:15	
Benzene	ND	5.0	ug/L	10.00	11/04/2003 01:15	
Toluene	ND	5.0	ug/L	10.00	11/04/2003 01:15	
Ethylbenzene	ND	5.0	ug/L	10.00	11/04/2003 01:15	
Total xylenes	ND	10	ug/L	10.00	11/04/2003 01:15	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	10.00	11/04/2003 01:15	
Surrogate(s)						
1,2-Dichloroethane-d4	97.7	76-130	%	10.00	11/04/2003 01:15	
Toluene-d8	102.6	78-115	%	10.00	11/04/2003 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: 245-0497-003
98995842

Received: 10/24/2003 17:05

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 5030B				Test(s): 8260B	
Method Blank		Water		QC Batch # 2003/11/03-1A.65	
MB: 2003/11/03-1A.65-040				Date Extracted: 11/03/2003 19:40	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	11/03/2003 19:40	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/03/2003 19:40	
Benzene	ND	0.5	ug/L	11/03/2003 19:40	
Toluene	ND	0.5	ug/L	11/03/2003 19:40	
Ethylbenzene	ND	0.5	ug/L	11/03/2003 19:40	
Total xylenes	ND	1.0	ug/L	11/03/2003 19:40	
Surrogates(s)					
1,2-Dichloroethane-d4	105.5	76-130	%	11/03/2003 19:40	
Toluene-d8	98.1	78-115	%	11/03/2003 19:40	

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: 10/24/2003 17:05

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report									
Prep(s): 5030B					Test(s): 8260B				
Laboratory Control Spike			Water			QC Batch # 2003/11/03-1A 65			
LCS	2003/11/03-1A 65-053		Extracted: 11/03/2003			Analyzed: 11/03/2003 18:53			
LCSD	2003/11/03-1A 65-016		Extracted: 11/03/2003			Analyzed: 11/03/2003 19:16			

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	28.0	25.1	25	112.0	100.4	10.9	65-165	20		
Benzene	24.0	24.6	25	96.0	98.4	2.5	69-129	20		
Toluene	22.0	23.5	25	88.0	94.0	6.6	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	529	501	500	105.8	100.2		76-130			
Toluene-d8	476	472	500	95.2	94.4		78-115			

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

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

Project: 245-0497-003
98995842

Received: 10/24/2003 17:05

Site: 3790 Hopyard Rd., Pleasanton

Legend and Notes

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.

Cambria Environmental Emeryville

December 11, 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 11/21/2003 14:45

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

The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after 01/05/2004 unless you have requested otherwise.

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

You can also contact me via email. My email address is: vvancil@stl-inc.com

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 * CA DHS ELAP# 2496

Cambria Environmental Emeryville

December 11, 2003

5900 Hollis Street, Ste. A
Emeryville, CA 94608

Attn.: Cynthia Vasko

Project#: 245-0497-003

Project: 98995842

Site: 3790 Hopyard Rd., Pleasanton

Case Narrative

General and Sample Comments

We (STL San Francisco) received 4 Water samples , on Friday, November 21, 2003 2:45 PM.

Diesel (C10-C24)

Diesel analysis was done outside of the EPA holding time. The samples were analyzed and extracted twice within the holding time, but the QA/QC associated with those extractions batches failed. The sample extracts from the first two batches, on 11-24-03 and 11-26-03, were analyzed and the results did confirm the data that was received outside of the holding time.

Analysis Comments and Flags by QC Batch

Diesel - 40 ml extraction	Water	QC Batch#: 2003/12/08-05.10
---------------------------	-------	-----------------------------

INF 2003110788 001

Analysis Flag(s)

HT Extracted out of holding time

EFF 2003110788 004

Analysis Flag(s)

HT Extracted out of holding time

Gas/BTEX/MTBE by 8260B	Water	QC Batch#: 200311291A62
------------------------	-------	-------------------------

INF 2003110788 001

Analysis Flag(s)

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

MID 1 2003110788 002

Analysis Flag(s)

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

MID 2 2003110788 003

Analysis Flag(s)

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

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

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: 11/21/2003 14:45

Site: 3790 Hopyard Rd., Pleasanton

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INF	11/21/2003 13:45	Water	1
MID 1	11/21/2003 13:40	Water	2
MID 2	11/21/2003 13:35	Water	3
EFF	11/21/2003 13:30	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

12/04/2003 20:40

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: 11/21/2003 14:45

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5830B	Test(s):	8260B
Sample ID:	INF	Lab ID:	2003-11-0788 - 1
Sampled:	11/21/2003 13:45	Extracted:	11/29/2003 10:58
Matrix:	Water	QC Batch#:	2003/11/29-1A.62
Analysis Flag: 0 (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/L	20.00	11/29/2003 10:58	
Benzene	ND	10	ug/L	20.00	11/29/2003 10:58	
Toluene	ND	10	ug/L	20.00	11/29/2003 10:58	
Ethylbenzene	ND	10	ug/L	20.00	11/29/2003 10:58	
Total xylenes	ND	20	ug/L	20.00	11/29/2003 10:58	
Methyl tert-butyl ether (MTBE)	1300	10	ug/L	20.00	11/29/2003 10:58	
Surrogate(s)						
1,2-Dichloroethane-d4	104.0	76-130	%	20.00	11/29/2003 10:58	
Toluene-d8	101.3	78-115	%	20.00	11/29/2003 10:58	

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: 11/21/2003 14:45

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	503DB	Test(s):	8260B
Sample ID:	MID 1	Lab ID:	2003-11-0788 - 2
Sampled:	11/21/2003 13:40	Extracted:	11/29/2003 11:20
Matrix:	Water	QG Batch#:	2003/11/29-1A.62
Analysis Flag: Im (See Legend and Nota Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	250	ug/L	5.00	11/29/2003 11:20	
Benzene	ND	2.5	ug/L	5.00	11/29/2003 11:20	
Toluene	ND	2.5	ug/L	5.00	11/29/2003 11:20	
Ethylbenzene	ND	2.5	ug/L	5.00	11/29/2003 11:20	
Total xylenes	ND	5.0	ug/L	5.00	11/29/2003 11:20	
Methyl tert-butyl ether (MTBE)	25	2.5	ug/L	5.00	11/29/2003 11:20	
Surrogate(s)						
1,2-Dichloroethane-d4	120.2	76-130	%	5.00	11/29/2003 11:20	
Toluene-d8	102.9	78-115	%	5.00	11/29/2003 11:20	

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

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

Project: 245-0497-003

98995842

Received: 11/21/2003 14:45

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MID 2	Lab ID:	2003-11-0788 - 3
Sampled:	11/21/2003 13:35	Extracted:	11/29/2003 11:42
Matrix:	Water	OG Batch#:	2003/11/29-1A.62
Analysis Flag: Im (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	250	ug/L	5.00	11/29/2003 11:42	
Benzene	ND	2.5	ug/L	5.00	11/29/2003 11:42	
Toluene	ND	2.5	ug/L	5.00	11/29/2003 11:42	
Ethylbenzene	ND	2.5	ug/L	5.00	11/29/2003 11:42	
Total xylenes	ND	5.0	ug/L	5.00	11/29/2003 11:42	
Methyl tert-butyl ether (MTBE)	ND	2.5	ug/L	5.00	11/29/2003 11:42	
Surrogate(s)						
1,2-Dichloroethane-d4	110.3	76-130	%	5.00	11/29/2003 11:42	
Toluene-d8	105.0	78-115	%	5.00	11/29/2003 11:42	

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: 11/21/2003 14:45

Site: 3790 Hopyard Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	EFF	Lab ID:	2003-11-0788 - 4
Sampled:	11/21/2003 13:30	Extracted:	11/29/2003 12:04
Matrix:	Water	QC Batch#:	2003/11/29-1A 62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	11/29/2003 12:04	
Benzene	ND	0.50	ug/L	1.00	11/29/2003 12:04	
Toluene	ND	0.50	ug/L	1.00	11/29/2003 12:04	
Ethylbenzene	ND	0.50	ug/L	1.00	11/29/2003 12:04	
Total xylenes	ND	1.0	ug/L	1.00	11/29/2003 12:04	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	11/29/2003 12:04	
Surrogate(s)						
1,2-Dichloroethane-d4	89.7	76-130	%	1.00	11/29/2003 12:04	
Toluene-d8	97.1	78-115	%	1.00	11/29/2003 12:04	

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: 11/21/2003 14:45

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prop(s): 5030B	Water			Test(s): 8260B	
Method Blank				QC Batch # 2003/11/29-1A.62	
MB: 2003/11/29-1A.62-029				Date Extracted: 11/29/2003 10:29	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	11/29/2003 10:29	
Benzene	ND	0.5	ug/L	11/29/2003 10:29	
Toluene	ND	0.5	ug/L	11/29/2003 10:29	
Ethylbenzene	ND	0.5	ug/L	11/29/2003 10:29	
Total xylenes	ND	1.0	ug/L	11/29/2003 10:29	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/29/2003 10:29	
Surrogates(s)					
1,2-Dichloroethane-d4	85.5	76-130	%	11/29/2003 10:29	
Toluene-d8	103.5	78-115	%	11/29/2003 10:29	

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: 11/21/2003 14:45

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Laboratory Control Spike	Water		QC Batch #: 2003/11/29-1A.62
LCS 2003/11/29-1A.62-045	Extracted: 11/29/2003		Analyzed: 11/29/2003 09:45
LCSD 2003/11/29-1A.62-007	Extracted: 11/29/2003		Analyzed: 11/29/2003 10:07

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	27.0	25.1	25	108.0	100.4	7.3	69-129	20		
Toluene	27.9	26.7	25	111.6	106.8	4.4	70-130	20		
Methyl tert-butyl ether (MTBE)	20.1	20.9	25	80.4	83.6	3.9	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	424	419	500	84.8	83.8		76-130			
Toluene-d8	504	497	500	100.8	99.4		78-115			

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: 11/21/2003 14:45

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report			
Prep(s):	5030B	Test(s):	8260B
Matrix Spike (MS / MSD)	Water	QC Batch #	2003/11/29-1A.62
EFF >> MS		Lab ID:	2003-11-0788 - 004
MS:	2003/11/29-1A.62-028	Extracted:	11/29/2003
		Analyzed:	11/29/2003 12:28
		Dilution:	1.00
MSD:	2003/11/29-1A.62-048	Extracted:	11/29/2003
		Analyzed:	11/29/2003 12:48
		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	23.0	21.9	ND	25	92.0	87.6	4.9	69-129	20		
Toluene	24.6	23.6	ND	25	98.4	94.4	4.1	70-130	20		
Methyl tert-butyl ether	21.3	20.1	ND	25	85.2	80.4	5.8	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	474	464		500	94.8	92.8		76-130			
Toluene-d8	500	499		500	99.9	99.8		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: 245-0497-003

98995842

Received: 11/21/2003 14:45

Site: 3790 Hopyard Rd., Pleasanton

Legend and Notes

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.

Diesel (C10-C24)

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

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

Project: 245-0497-003

98995842

Received: 11/21/2003 14:45

Site: 3790 Hopyard Rd., Pleasanton

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INF	11/21/2003 13:45	Water	1
EFF	11/21/2003 13:30	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

12/11/2003 08:51

Diesel (C10-C24)

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

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

Project: 245-0497-003

98995842

Received: 11/21/2003 14:45

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 3511	Test(s): 8015M
Sample ID: INF	Lab ID: 2003-11-0788 - 1
Sampled: 11/21/2003 13:45	Extracted: 12/8/2003 17:40
Matrix: Water	QC Batch#: 2003/12/08-05:10
Analysis Flag: HT (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	12/09/2003 11:15	
Surrogate(s) o-Terphenyl	118.4	50-150	%	1.00	12/09/2003 11:15	

Diesel (C10-C24)

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

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

Project: 245-0497-003
98995842

Received: 11/21/2003 14:45

Site: 3790 Hopyard Rd., Pleasanton

Prep(s): 3511	Test(s): 8015M
Sample ID: EFF	Lab ID: 2003-11-0788 - 4
Sampled: 11/21/2003 13:30	Extracted: 12/8/2003 17:40
Matrix: Water	QC Batch#: 2003/12/08-05.10
Analysis Flag: HT (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	12/09/2003 11:42	
Surrogate(s)						
o-Terphenyl	91.2	50-150	%	1.00	12/09/2003 11:42	

Diesel (C10-C24)

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

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

Project: 245-0497-003
98995842

Received: 11/21/2003 14:45

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 3511		Water		Test(s): 8015M	
Method Blank				QC Batch # 2003/12/08-05 10	
MB: 2003/12/08-05 10-001				Date Extracted: 12/08/2003 17:40	
Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	12/09/2003 10:21	
Surrogates(s) o-Terphenyl	127.2	50-150	%	12/09/2003 10:21	

Diesel (C10-C24)

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

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

Project: 245-0497-003
98995842

Received: 11/21/2003 14:45

Site: 3790 Hopyard Rd., Pleasanton

Batch QC Report									
Prep(s): 3511					Test(s): 8015M				
Laboratory Control Spike			Water			QC Batch # 2003/12/08-05.10			
LCS	2003/12/08-05.10-002		Extracted: 12/08/2003			Analyzed: 12/09/2003 10:48			
LCSD	2003/12/08-05.10-003		Extracted: 12/08/2003			Analyzed: 12/09/2003 11:15			

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	472	474	680	69.4	69.7	0.4	60-150	25		
Surrogates(s) o-Terphenyl	1.55	1.36	1.25	124.0	108.8		50-150	0		

Diesel (C10-C24)

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

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

Project: 245-0497-003
98995842

Received: 11/21/2003 14:45

Site: 3790 Hopyard Rd., Pleasanton

Legend and Notes

Report Comment

Diesel analysis was done outside of the EPA holding time. The samples were analyzed and extracted twice within the holding time, but the QA/QC associated with those extractions batches failed. The sample extracts from the first two batches, on 11-24-03 and 11-26-03, were analyzed and the results did confirm the data that was received outside of the holding time.

Analysis Flag

HT

Extracted out of holding time

STL-San Francisco

SHELL Chain Of Custody Record

80508

1220 Quarry Lane
Pleasanton, CA 94566

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

Shell Project Manager to be Invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- PARTS/STOCKS

2003-11-0788

Karen Petryna

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 8 4 2

SAP or CRM NUMBER (TS/CRAFT)

DATE: 11-21-03

PAGE: 1 of 1

SERVICE COMPANY: Cambridge Environmental Technology, Inc. ADDRESS: 5960 Hollis Street, Suite A, Emeryville, CA 94608 PROJECT DIRECTOR (Name or PCF Number): Cynthia Vasko TELEPHONE: 510-420-3344 FAX: 510-420-9170 EMAIL: cvasko@cambridge-env.com TURNAROUND TIME (BUSINESS DAYS): <input checked="" type="checkbox"/> 10 DAYS <input type="checkbox"/> 3 DAYS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS	LOG CODE: CETS SITE ADDRESS (Street and City): 3790 Hopyard Road, Pleasanton ZIP DELIVERY POINT (To determine Party to Deliver): N/A ANALYST NAME (S): VARTAN HANEDANIAN	QUANTITY (GAL): N/A DATE RANGE: N/A SAMPLE NO.: N/A PROJECT NAME: 245-0497-003
--	--	---

LA - R/VOI REPORT FORMAT LIST AGENCY
 GCMS MTRC CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____
 SPECIAL INSTRUCTIONS OR NOTES: _____ CHECK BOX IF EDD IS REQ NEEDED
 Flow Totalizer = 556306.0 Hour Meter = 3079.7

REQUESTED ANALYSIS

Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (601 Bm)	BTEX	MTRC (1 ppb)	TMA	5 Oxygenates	1,8 DCA and EOB	Ethanol	Methanol	VOCs by #202B	Semi-volatiles by #270C	Lead <input type="checkbox"/> Van <input type="checkbox"/> Mn <input type="checkbox"/> Ni <input type="checkbox"/> Pb	LUBTS <input type="checkbox"/> Type II <input type="checkbox"/> SMC <input type="checkbox"/> TSP	CAMP <input type="checkbox"/> Type I <input type="checkbox"/> SMC <input type="checkbox"/> TSP	Test for Disposal	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes 5.3°C		
	DATE	TIME																			TEMPERATURE ON RECEIPT °F	
INF	11-21	1:45	AQ	5	X	X	X	X													VOAs w/HCl ~ 500 mL Amber	
MID 1		1:40	AQ	5	X		X	X														VOAs w/HCl
MID 2		1:35	AQ	5	X		X	X														VOAs w/HCl
EFF		1:30	AQ	5	X	X	X	X														VOAs w/HCl ~ 500 mL Amber

Submitted by (Signature): <i>Vartan Hanedanian</i> Submitted by (Signature): <i>Dariusz Lunington / STL-SF</i>	Date: 11-21-03 Time: 2:45 pm
Submitted by (Signature): Submitted by (Signature): 	Date: Time:

GWS Systems (714) 944-8700

Cambria Environmental Emeryville

December 18, 2003

5900 Hollis Street, Ste. A
Emeryville, CA 94608

Attn.: Cynthia Vasko

Project#: 245-0497-003

Project: Shell Incident Number

Site: 3790 Hopyard Road, Pleasanton

Dear Ms. Vasko:

Attached is our report for your samples received on 12/05/2003 14:51

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 01/19/2004 unless you have requested otherwise.

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

You can also contact me via email. My email address is: vvancil@stl-inc.com

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 * CA DHS ELAP# 2496

Diesel (C10-C24)

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

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

Project: 245-0497-003

Shell Incident Number

Received: 12/05/2003 14:51

Site: 3790 Hopyard Road, Pleasanton

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INF	12/05/2003 13:00	Water	1
EFF	12/05/2003 12:45	Water	4

Severn Trent Laboratories, Inc.

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

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

12/16/2003 16:47

Diesel (C10-C24)

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

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

Project: 245-0497-003

Shell Incident Number

Received: 12/05/2003 14:51

Site: 3790 Hopyard Road, Pleasanton

Prep(s): 3511	Test(s): 8015M
Sample ID: INF	Lab ID: 2003-12-0240 - 1
Sampled: 12/05/2003 13:00	Extracted: 12/9/2003 12:41
Matrix: Water	QC Batch#: 2003/12/09-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	12/10/2003 08:32	
Surrogate(s)						
o-Terphenyl	74.4	50-150	%	1.00	12/10/2003 08:32	

Diesel (C10-C24)

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

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

Project: 245-0497-003

Shell Incident Number

Received: 12/05/2003 14:51

Site: 3790 Hopyard Road, Pleasanton

Prep(s): 3511	Test(s): 8015M
Sample ID: EFF	Lab ID: 2003-12-0240 - 4
Sampled: 12/05/2003 12:45	Extracted: 12/9/2003 12:41
Matrix: Water	QC Batch#: 2003/12/09-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	12/10/2003 08:59	
Surrogate(s) o-Terphenyl	108.0	50-150	%	1.00	12/10/2003 08:59	

Diesel (C10-C24)

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

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

Project: 245-0497-003

Shell Incident Number

Received: 12/05/2003 14:51

Site: 3790 Hopyard Road, Pleasanton

Batch QC Report					
Prep(s): 3511				Test(s): 8015M	
Method Blank		Water		QC Batch # 2003/12/09-04.10	
MB: 2003/12/09-04.10-001				Date Extracted: 12/09/2003 12:41	

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	12/10/2003 17:37	
Surrogates(s) o-Terphenyl	126.4	50-150	%	12/10/2003 17:37	

Diesel (C10-C24)

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

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

Project: 245-0497-003

Shell Incident Number

Received: 12/05/2003 14:51

Site: 3790 Hopyard Road, Pleasanton

Batch QC Report			
Prep(s): 3511		Test(s): 8015M	
Laboratory Control Spike		Water	QC Batch # 2003/12/09-04.10
LCS	2003/12/09-04.10-002	Extracted: 12/09/2003	Analyzed: 12/09/2003 17:38
LCSD	2003/12/09-04.10-003	Extracted: 12/09/2003	Analyzed: 12/09/2003 18:05

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	545	594	680	80.1	87.4	8.7	60-150	25		
Surrogates(s) o-Terphenyl	1.46	1.46	1.25	116.8	116.8		50-150	0		

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

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

Project: 245-0497-003

Shell Incident Number

Received: 12/05/2003 14:51

Site: 3790 Hopyard Road, Pleasanton

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INF	12/05/2003 13:00	Water	1
MID 1	12/05/2003 12:55	Water	2
MID 2	12/05/2003 12:50	Water	3
EFF	12/05/2003 12:45	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: 245-0497-003

Shell Incident Number

Received: 12/05/2003 14:51

Site: 3790 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: INF	Lab ID: 2003-12-0240 - 1
Sampled: 12/05/2003 13:00	Extracted: 12/11/2003 03:00
Matrix: Water	QC Batch#: 2003/12/10-2B.B4
Analysis Flag: o (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/L	20.00	12/11/2003 03:00	
Benzene	ND	10	ug/L	20.00	12/11/2003 03:00	
Toluene	ND	10	ug/L	20.00	12/11/2003 03:00	
Ethylbenzene	ND	10	ug/L	20.00	12/11/2003 03:00	
Total xylenes	ND	20	ug/L	20.00	12/11/2003 03:00	
Methyl tert-butyl ether (MTBE)	1200	100	ug/L	20.00	12/11/2003 03:00	
Surrogate(s)						
1,2-Dichloroethane-d4	99.4	76-130	%	20.00	12/11/2003 03:00	
Toluene-d8	96.0	78-115	%	20.00	12/11/2003 03:00	

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

Shell Incident Number

Received: 12/05/2003 14:51

Site: 3790 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: MID 1	Lab ID: 2003-12-0240-2
Sampled: 12/05/2003 12:55	Extracted: 12/11/2003 03:22
Matrix: Water	QC Batch#: 2003/12/10-2B.64
Analysis Flag: 0 (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	250	ug/L	5.00	12/11/2003 03:22	
Benzene	ND	2.5	ug/L	5.00	12/11/2003 03:22	
Toluene	ND	2.5	ug/L	5.00	12/11/2003 03:22	
Ethylbenzene	ND	2.5	ug/L	5.00	12/11/2003 03:22	
Total xylenes	ND	5.0	ug/L	5.00	12/11/2003 03:22	
Methyl tert-butyl ether (MTBE)	110	25	ug/L	5.00	12/11/2003 03:22	
Surrogate(s)						
1,2-Dichloroethane-d4	108.1	76-130	%	5.00	12/11/2003 03:22	
Toluene-d8	97.1	78-115	%	5.00	12/11/2003 03:22	

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

Shell Incident Number

Received: 12/05/2003 14:51

Site: 3790 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: MID 2	Lab ID: 2003-12-0240 - 3
Sampled: 12/05/2003 12:50	Extracted: 12/11/2003 03:44
Matrix: Water	QC Batch#: 2003/12/10-2B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/11/2003 03:44	
Benzene	ND	0.50	ug/L	1.00	12/11/2003 03:44	
Toluene	ND	0.50	ug/L	1.00	12/11/2003 03:44	
Ethylbenzene	ND	0.50	ug/L	1.00	12/11/2003 03:44	
Total xylenes	ND	1.0	ug/L	1.00	12/11/2003 03:44	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	12/11/2003 03:44	
Surrogate(s)						
1,2-Dichloroethane-d4	97.2	76-130	%	1.00	12/11/2003 03:44	
Toluene-d8	95.3	78-115	%	1.00	12/11/2003 03:44	

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

Shell Incident Number

Received: 12/05/2003 14:51

Site: 3790 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	EFF	Lab ID:	2003-12-0240 - 4
Sampled:	12/05/2003 12:45	Extracted:	12/11/2003 04:06
Matrix:	Water	QC Batch#:	2003/12/10-2B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/11/2003 04:06	
Benzene	ND	0.50	ug/L	1.00	12/11/2003 04:06	
Toluene	ND	0.50	ug/L	1.00	12/11/2003 04:06	
Ethylbenzene	ND	0.50	ug/L	1.00	12/11/2003 04:06	
Total xylenes	ND	1.0	ug/L	1.00	12/11/2003 04:06	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	12/11/2003 04:06	
Surrogate(s)						
1,2-Dichloroethane-d4	96.4	76-130	%	1.00	12/11/2003 04:06	
Toluene-d8	91.9	78-115	%	1.00	12/11/2003 04:06	

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

Shell Incident Number

Received: 12/05/2003 14:51

Site: 3790 Hopyard Road, Pleasanton

Batch QC Report		
Prep(s): 5030B		Test(s): 8260B
Method Blank	Water	QC Batch # 2003/12/10-2B.64
MB: 2003/12/10-2B.64-043		Date Extracted: 12/10/2003 20:43

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	12/10/2003 20:43	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	12/10/2003 20:43	
Benzene	ND	0.5	ug/L	12/10/2003 20:43	
Toluene	ND	0.5	ug/L	12/10/2003 20:43	
Ethylbenzene	ND	0.5	ug/L	12/10/2003 20:43	
Total xylenes	ND	1.0	ug/L	12/10/2003 20:43	
Surrogates(s)					
1,2-Dichloroethane-d4	93.6	76-130	%	12/10/2003 20:43	
Toluene-d8	98.4	78-115	%	12/10/2003 20:43	

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
Shell Incident Number

Received: 12/05/2003 14:51

Site: 3790 Hopyard Road, Pleasanton

Batch QC Report									
Prep(s): 5030B					Test(s): 8260B				
Laboratory Control Spike			Water			QC Batch # 2003/12/10-2B.64			
LCS	2003/12/10-2B.64-059		Extracted: 12/10/2003			Analyzed: 12/10/2003 19:59			
LCSD	2003/12/10-2B.64-021		Extracted: 12/10/2003			Analyzed: 12/10/2003 20:21			

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	27.9	26.8	25	111.6	107.2	4.0	65-165	20		
Benzene	25.2	24.6	25	100.8	98.4	2.4	69-129	20		
Toluene	27.9	26.1	25	111.6	104.4	6.7	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	506	504	500	101.2	100.8		76-130			
Toluene-d8	475	472	500	95.0	94.4		78-115			

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

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

Project: 245-0497-003

Shell Incident Number

Received: 12/05/2003 14:51

Site: 3790 Hopyard Road, Pleasanton

Legend and Notes

Analysis Flag

o

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

1220 Query Lane
Pleasanton, CA 94568

(925) 484-1919 (925) 484-1096 Fax

Shell Project Manager to be involved:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- OIL & PULP

Karen Petryna

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 8 4 2

SAP or CRM NUMBER (S&E CRM)

DATE: 12-5-03

PAGE: 1 of 1

COMPANY Cambria Environmental Technology, Inc. ADDRESS 9800 Hollis Street, Suite A, Emeryville, CA 94608 PROJECT CONTACT (Name & Phone) Cynthia Vasco TELEPHONE: 510-420-3344 FAX: 510-420-9170 EMAIL: cvasco@cambria-env.com TURNAROUND TIME (BUSINESS DAYS) <input checked="" type="checkbox"/> 15 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 <input type="checkbox"/> LA SVCCS REPORT FORMAT <input type="checkbox"/> USE AGENCY	LOG CODE CEIS SITE ADDRESS (Street and City) 3790 Hopyard Road, Pleasanton EOP DELIVERABLE TO (Responsible Party or Department) N/A SAMPLE NAME (If Any) VARTAN HANEDANIAN	GLOBAL ID NO. N/A PHONE NO. N/A FAX NO. N/A CONTACT FAX PROVIDED NO. 249-0497-003 LAB USE ONLY
--	--	--

GOALS (MTR CONFIRMATION) HIGHEST _____ HIGHEST per SOHWR _____ ALL _____

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

Flow Totalizer = 618550.0 Hour Meter = 3444.5

LAB ID	Field Sample Identification	SAMPLING		MTR#	NO. OF CONT.	TPH - Penetrable	TPH - Nonpenetrable (R01 Sm.) @	BTEX	MTR# (if any)	TBA	5 Oxygenatives	1,2 DCA and EDB	Ethanol	Methanol	VOAs by 8240B	Semi-volatiles by 8270C	Lead <input type="checkbox"/> Van <input type="checkbox"/> Cr <input type="checkbox"/> Hg <input type="checkbox"/> PCB	LUBTS <input type="checkbox"/> Van <input type="checkbox"/> Cr <input type="checkbox"/> Hg <input type="checkbox"/> PCB	CMTT <input type="checkbox"/> Van <input type="checkbox"/> Cr <input type="checkbox"/> Hg <input type="checkbox"/> PCB	Test for Disposal	TEMPERATURE ON RECEIPT °C	FIELD NOTES: Containers/Preservative or PID Readings or Laboratory Notes
		DATE	TIME																			
	INF	12-5	1100	AD	7	X	X	X	X													VOAs w/HCl = 3 O ₂ pres. (24/12/03)
	MID 1	↓	1235	AD	4	X		X	X													VOAs w/HCl
	MID 2	↓	1250	AD	4	X		X	X													VOAs w/HCl
	EFF	↓	1245	AD	7	X	X	X	X													VOAs w/HCl = 3 O ₂ pres. (24/12/03)

Prepared by (Signature) <i>Vartan Hanedanian</i> Reviewed by (Signature) <i>[Signature]</i>	Date: 12/05/03 Time: 1451
--	------------------------------

Cambria Environmental Emeryville

January 06, 2004

5900 Hollis Street, Ste. A
Emeryville, CA 94608

Attn.: Cynthia Vasko

Project#: 245-0497-003

Project: 98995842

Site: 3790 Hopyard Road, Pleasanton

Dear Ms. Vasko:

Attached is our report for your samples received on 12/19/2003 14:05

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 02/02/2004 unless you have requested otherwise.

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

You can also contact me via email. My email address is: vvancil@stl-inc.com

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 * 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: 245-0497-003
98995842

Received: 12/19/2003 14:05

Site: 3790 Hopyard Road, Pleasanton

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INF	12/19/2003 13:15	Water	1
MID 1	12/19/2003 13:10	Water	2
MID 2	12/19/2003 13:05	Water	3
EFF	12/19/2003 13:00	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

01/06/2004 15:38

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: 12/19/2003 14:05

Site: 3790 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: INF	Lab ID: 2003-12-0735 - 1
Sampled: 12/19/2003 13:15	Extracted: 1/1/2004 03:52
Matrix: Water	QC Batch#: 2003/12/31-2B 66
Analysis Flag: 0 (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/L	20.00	01/01/2004 03:52	
Benzene	ND	10	ug/L	20.00	01/01/2004 03:52	
Toluene	ND	10	ug/L	20.00	01/01/2004 03:52	
Ethylbenzene	ND	10	ug/L	20.00	01/01/2004 03:52	
Total xylenes	ND	20	ug/L	20.00	01/01/2004 03:52	
Methyl tert-butyl ether (MTBE)	950	100	ug/L	20.00	01/01/2004 03:52	
Surrogate(s)						
1,2-Dichloroethane-d4	110.3	76-130	%	20.00	01/01/2004 03:52	
Toluene-d8	98.3	78-115	%	20.00	01/01/2004 03:52	

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: 12/19/2003 14:05

Site: 3790 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: MID 1	Lab ID: 2003-12-0735 - 2
Sampled: 12/19/2003 13:10	Extracted: 1/1/2004 04:16
Matrix: Water	QC Batch#: 2003/12/31-2B.66
Analysis Flag: α (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	250	ug/L	5.00	01/01/2004 04:16	
Benzene	ND	2.5	ug/L	5.00	01/01/2004 04:16	
Toluene	ND	2.5	ug/L	5.00	01/01/2004 04:16	
Ethylbenzene	ND	2.5	ug/L	5.00	01/01/2004 04:16	
Total xylenes	ND	5.0	ug/L	5.00	01/01/2004 04:16	
Methyl tert-butyl ether (MTBE)	150	25	ug/L	5.00	01/01/2004 04:16	
Surrogate(s)						
1,2-Dichloroethane-d4	117.7	76-130	%	5.00	01/01/2004 04:16	
Toluene-d8	99.0	78-115	%	5.00	01/01/2004 04:16	

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: 12/19/2003 14:05

Site: 3790 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MID 2	Lab ID:	2003-12-0735 - 3
Sampled:	12/19/2003 13:05	Extracted:	1/1/2004 04:40
Matrix:	Water	QC Batch#:	2003/12/31-2B.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	01/01/2004 04:40	
Benzene	ND	0.50	ug/L	1.00	01/01/2004 04:40	
Toluene	ND	0.50	ug/L	1.00	01/01/2004 04:40	
Ethylbenzene	ND	0.50	ug/L	1.00	01/01/2004 04:40	
Total xylenes	ND	1.0	ug/L	1.00	01/01/2004 04:40	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	01/01/2004 04:40	
Surrogate(s)						
1,2-Dichloroethane-d4	106.4	76-130	%	1.00	01/01/2004 04:40	
Toluene-d8	99.7	78-115	%	1.00	01/01/2004 04:40	

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

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Project: 245-0497-003

98995842

Received: 12/19/2003 14:05

Site: 3790 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	EFF	Lab ID:	2003-12-0735-4
Sampled:	12/19/2003 13:00	Extracted:	1/1/2004 05:52
Matrix:	Water	QC Batch#:	2003/12/31-2B.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	01/01/2004 05:52	
Benzene	ND	0.50	ug/L	1.00	01/01/2004 05:52	
Toluene	ND	0.50	ug/L	1.00	01/01/2004 05:52	
Ethylbenzene	ND	0.50	ug/L	1.00	01/01/2004 05:52	
Total xylenes	ND	1.0	ug/L	1.00	01/01/2004 05:52	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	01/01/2004 05:52	
Surrogate(s)						
1,2-Dichloroethane-d4	105.9	76-130	%	1.00	01/01/2004 05:52	
Toluene-d8	95.7	78-115	%	1.00	01/01/2004 05:52	

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: 12/19/2003 14:05

Site: 3790 Hopyard Road, Pleasanton

Batch QC Report					
Prep(s): 5030B		Water		Test(s): 8260B	
Method Blank				QC Batch # 2003/12/31-2B.66	
MB: 2003/12/31-2B.66-004				Date Extracted: 12/31/2003 23:04	
Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	12/31/2003 23:04	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	12/31/2003 23:04	
Benzene	ND	0.5	ug/L	12/31/2003 23:04	
Toluene	ND	0.5	ug/L	12/31/2003 23:04	
Ethylbenzene	ND	0.5	ug/L	12/31/2003 23:04	
Total xylenes	ND	1.0	ug/L	12/31/2003 23:04	
Surrogates(s)					
1,2-Dichloroethane-d4	109.4	76-130	%	12/31/2003 23:04	
Toluene-d8	106.8	78-115	%	12/31/2003 23:04	

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

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Project: 245-0497-003

98995842

Received: 12/19/2003 14:05

Site: 3790 Hopyard Road, Pleasanton

Batch QC Report									
Prep(s): 5030B					Test(s): 8260B				
Laboratory Control Spike			Water			QC Batch # 2003/12/31-2B 66			
LCS	2003/12/31-2B 66-016		Extracted: 12/31/2003			Analyzed: 12/31/2003 22:16			
LCSD	2003/12/31-2B 66-040		Extracted: 12/31/2003			Analyzed: 12/31/2003 22:40			

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	19.1	21.4	25	76.4	85.6	11.4	65-165	20		
Benzene	18.8	19.1	25	75.2	76.4	1.6	69-129	20		
Toluene	18.3	22.1	25	73.2	88.4	18.8	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	548	505	500	109.6	101.0		76-130			
Toluene-d8	506	505	500	101.2	101.0		78-115			

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

Cambria Environmental Emeryville

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Project: 245-0497-003

98995842

Received: 12/19/2003 14:05

Site: 3790 Hopyard Road, Pleasanton

Legend and Notes

Analysis Flag

o

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

2003-12-0735

STL-San Francisco

SHELL Chain Of Custody Record

81349

1220 Quarry Lane
Pleasanton, CA 94566

(925) 454-1919 (925) 464-1056 fax

Shell Project Manager to be Invoiced:

- ENGINEERING SERVICES
- TECHNICAL SERVICES
- OILS - HOUSTON

Karen Polyna

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 8 4 2

DATE: 12-19-03

SAP CRMT NUMBER (2W/CRMT)

PAGE: 1 of 1

SAMPLING COMPANY Cambria Environmental Technology, Inc.		LAD CODE CETS	SITE ADDRESS (Street and City) 3790 Hopyard Road, Pleasanton		GLOBAL ID NO. N/A
ADDRESS 5900 Hollis Street, Suite A, Emeryville, CA 94608		DEF RELIABLE TO (Historical Field or Cleanup)	PROJ NO. N/A	EMAIL N/A	CONTACT PROJECT NO. 245-0497-003
PROJECT CONTACT (Name & POP Name) Cynthia Vaske		SAMPLER NAME (Type) VARIED HANEDANIAN			LAB USE ONLY
TELEPHONE 510-420-3344	FAX 510-420-9170	EMAIL cvaske@cam-cta-inc.com			

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

LA - RPTCS REPORT FORMAT TEST AGENCY

OCMS MTR CONFORMANCE HIGHEST _____ HIGHEST PER BOXING _____ ALL _____

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

Flow Totalizer = 680720.0 Hour Meter = 3751.1

REQUESTED ANALYSIS															FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes	
TPH - Purgable	TPH - Extractable (g/l Sol)	BTEX	MXBE (g pop)	TBA	5 Organics	1,2 DCA and EDB	Ethanol	Methanol	VOCs by azide	Semi-Volatiles by HPLC	Lead	Asbestos	PCBs	PAHs		
																5.0°C

ID	Field Sample Identification	SAMPLING		WTRK	NO. OF CONT.	TPH - Purgable	TPH - Extractable (g/l Sol)	BTEX	MXBE (g pop)	TBA	5 Organics	1,2 DCA and EDB	Ethanol	Methanol	VOCs by azide	Semi-Volatiles by HPLC	Lead	Asbestos	PCBs	PAHs	Test for Disposal	TEMPERATURE ON RECEIPT, C°	
		DATE	TIME																				
	INF	12-19	1:05	AD	4	X		X	X														VOAs w/HCl
	MID 1		1:10	AD	4	X		X	X														VOAs w/HCl
	MID 2		1:05	AD	4	X		X	X														VOAs w/HCl
	EFF		1:00	AD	4	X		X	X														VOAs w/HCl

Released by (Signature) <i>V. Hanedanian</i>	Received by (Signature) <i>[Signature]</i>	Date 12/19/03	Time 1405
Subscribed by (Signature)	Received by (Signature)	Date	Time

DATE CHANGE (1/13/03) 5/03