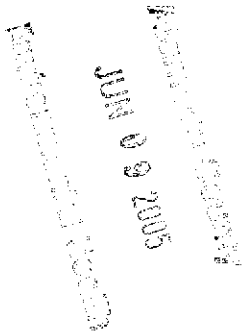
R02745

CAMBRIA

June 6, 2005

Mr. Jerry Wickham
Hazardous Materials Specialist
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577



Re: **First Quarter 2005 Status Report**
Shell-branded Service Station
1601 Webster Street
Alameda, California
Incident # 97564701
SAP Code 135032
ACHCSA # 13-503

Dear Mr. Wickham:

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

SITE LOCATION AND DESCRIPTION

The subject property is an operating Shell-branded service station located on the northwest corner of Webster Street and Lincoln Avenue in Alameda, California (Figure 1). The station layout includes three underground storage tanks (USTs), a former waste oil UST, two current dispensers and two former dispensers islands, a station building, and a kiosk (Figure 2). The local topography is flat with a site elevation at approximately 13 feet above mean sea level. The site is surrounded by a mix of commercial and residential development.

FIRST QUARTER 2005 ACTIVITIES

Periodic groundwater extraction (GWE) and sampling from TBW-N continued on a monthly basis. Onyx Industrial performed monthly batch GWE events on January 17, February 7, and March 8, 2005. Blaine performed monthly gauging and sampling on January 17, February 4, and March 2, 2005. No SPH was observed in TBW-N during any of these events. The groundwater samples from TBW-N were analyzed for TPHg, BTEX, MTBE, di-isopropyl ether (DIPE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and ethyl tert butyl ether (ETBE), ethylene dibromide (EDB), 1,2-dichloroethane (1,2-DCA), and ethanol. A copy of Blaine's monitoring report, including laboratory reports, is included in Appendix A.

Cambria Environmental Technology, Inc.

270 Perkins Street
Sonoma, CA 95476
Tel (707) 935-4850
Fax (707) 935-6649

To date, an estimated volume of 1,982.1 gallons of separate-phase hydrocarbons (SPH) were recovered as separate-phase liquid. As of the end of March 2005, an estimated mass of 113.2 pounds (an equivalent volume of 18.1 gallons) of dissolved TPHg was recovered in water. The analytical results for TBW-N are presented in the Blaine's data table in Appendix A. Cambria's water removal data and estimates of SPH and dissolved-phase product recovery are summarized in Table 1. Figure 3 graphically illustrates the SPH thickness, volume of recovered groundwater and TPHg concentrations versus time. Figure 4 graphically illustrates the volume of recovered groundwater and benzene concentrations versus time. Figure 5 graphically illustrates the volume of recovered groundwater and MTBE concentrations versus time.

ANTICIPATED SECOND QUARTER 2005 ACTIVITIES

The periodic GWE will continue through the second quarter and Blaine will continue the monthly gauging and sampling of TBW-N. Cambria will prepare a status report documenting the activities.

As requested by the Alameda County Health Care Services Agency in correspondence dated May 13, 2005, the Second Quarter Report and a Work Plan for Subsurface Investigation will be submitted by July 15, 2005.

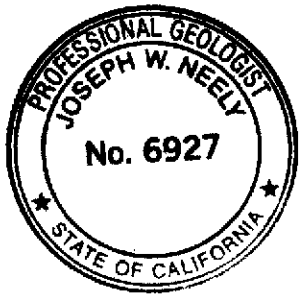
CLOSING

If you have any questions regarding the scope of work outlined in this work plan, please call Ana Friel at (707) 268-3812. All future correspondence to Cambria for this project should be directed to Ana Friel, Senior Project Geologist, 270 Perkins Street, Sonoma, California 95476.

Sincerely,
Cambria Environmental Technology, Inc.

Dennis Baertschi
Project Geologist

for
Ana Friel
Senior Project Geologist
PG 6452



Attachments

Figure 1. Vicinity/Sensitive Receptor Survey Map
Figure 2. Site Plan/Historical Sample Location Map
Figure 3. GWE Pumping Volume, SPH Thickness, and TPHg Concentration
Figure 4. GWE Pumping Volume, and Benzene Concentration
Figure 5. GWE Pumping Volume, and MTBE Concentration

Table 1. Groundwater and Product Removal Data

Appendix A. Blaine Services Inc. First Quarter 2005 Groundwater Monitoring Report

cc: Mr. Denis Brown, Shell Oil Products US
Mr. Thomas H. Kosel, ConocoPhillips Risk Management & Remediation, 76 Broadway, Sacramento, CA 95818
Mr. James C. Kirschner, ATC Associates, Inc., 6602 Owens Drive, Suite 100, Pleasanton, CA 94588 (consultant for ConocoPhillips)

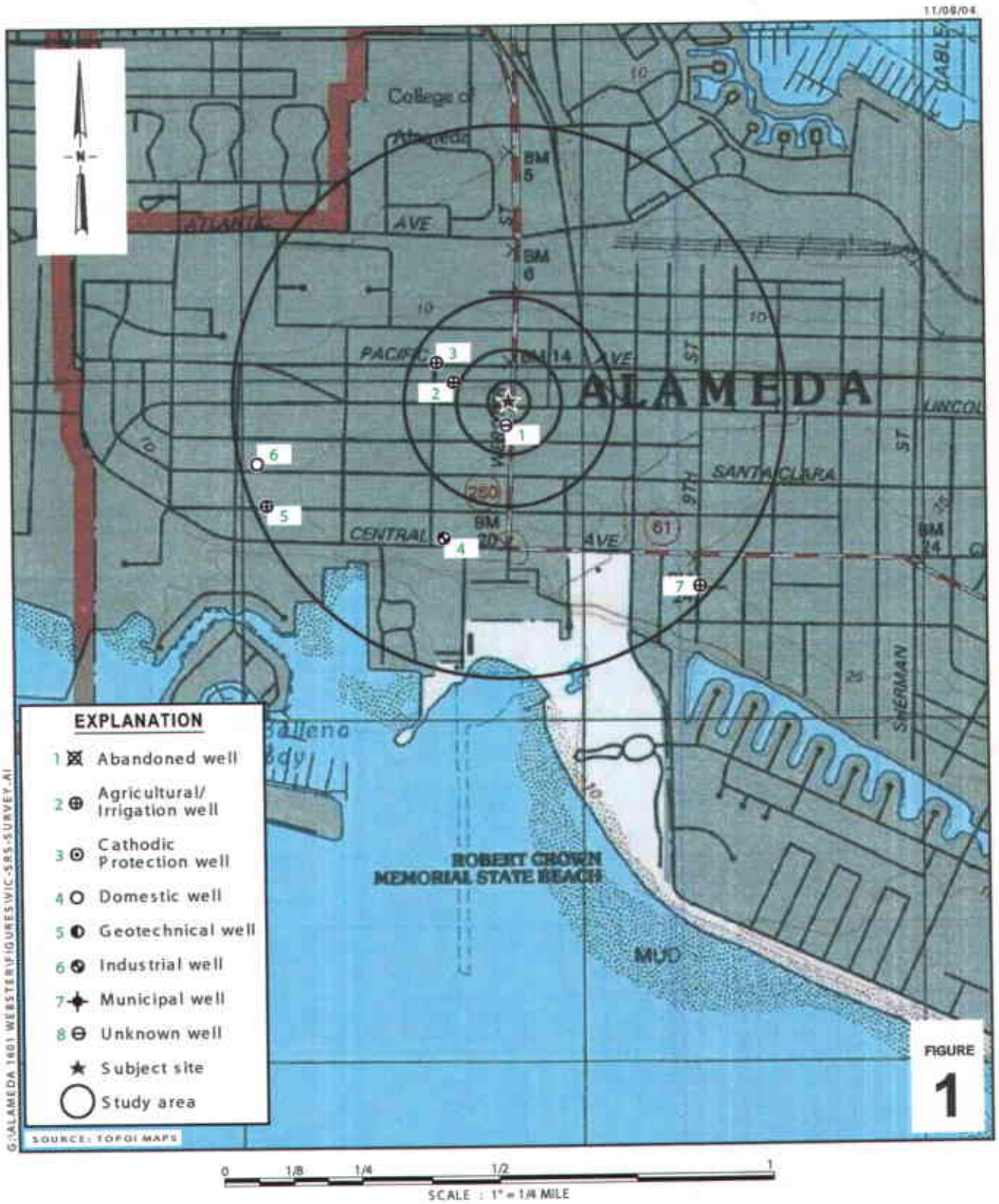


FIGURE 1

Shell-branded Service Station
1601 Webster Street
Alameda, California
Incident #97437680

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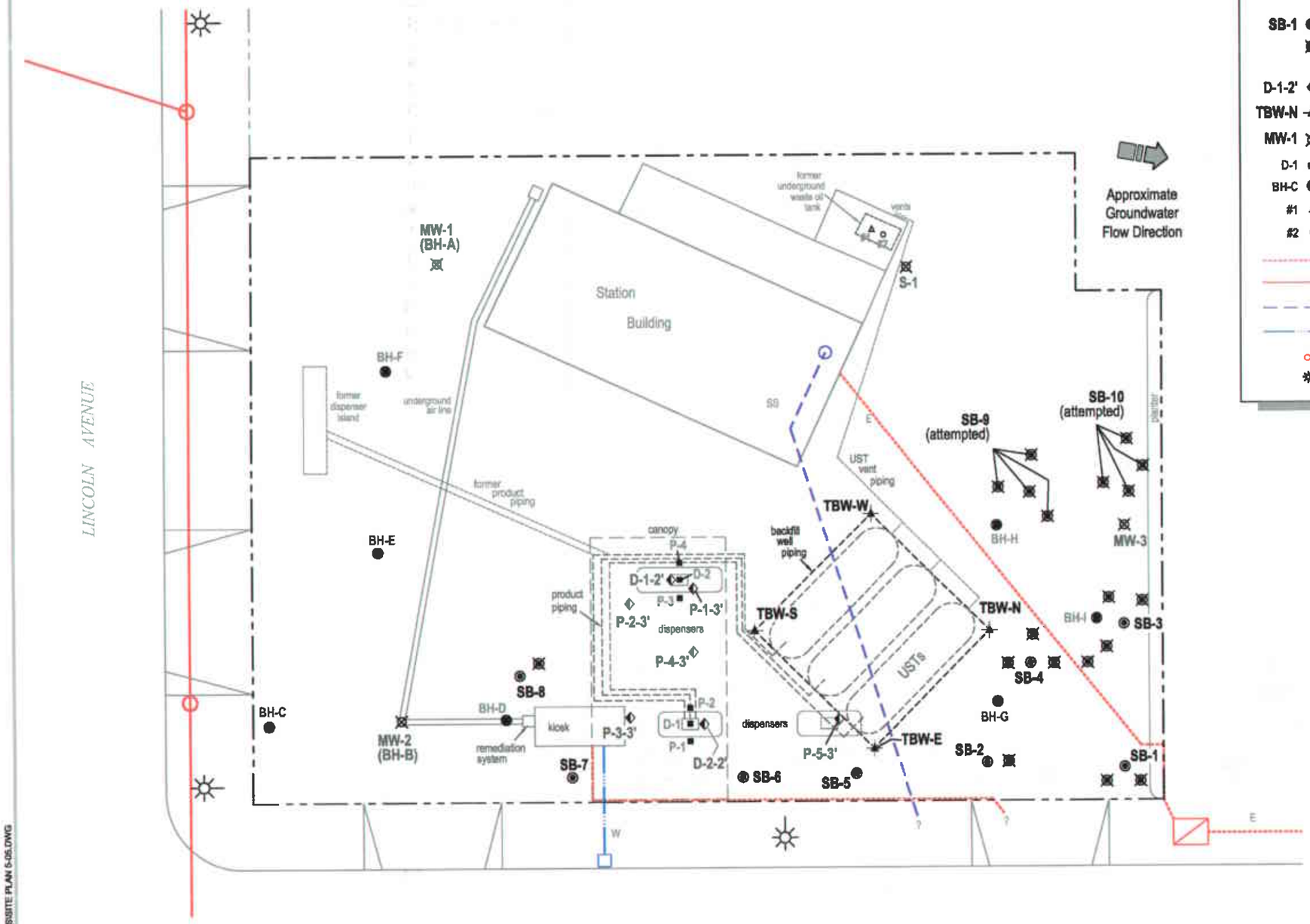
Vicinity/Sensitive Receptor Survey Map
(200, 500, and 1,000 Ft., and1/2 Mile Radii)

05/10/05



EXPLANATION

- SB-1 ● Soil boring location (11/30/04, 12/1-2/04)
- ▣ Attempted soil boring location (11/30,12/1-2/04), not completed due to refusal
- D-1-2' ◆ Soil sample location (8/10/04)
- TBW-N ✦ Tank backfill well location
- MW-1 ⊠ Destroyed monitoring well location
- D-1 ■ Soil sample location (WA, 1997)
- BH-C ● Soil boring location (WA, 10/92)
- #1 ▲ Soil sample location (Blaine, 6/87)
- #2 ○ Grab water sample location (Blaine, 6/87)
- Electrical line (E)
- Overhead electrical line (OE)
- Sanitary sewer line (SS)
- Water line (W)
- Power pole
- Street light

Site Plan/Historical Sample Location Map

CAMBRIA

Shell-branded Service Station
1601 Webster Street
Alameda, California
Incident No.97564701

FIGURE
2

G:\ALAMEDA 1601 WEBSTER\FIGURES\SITE PLAN (5-05.DWG

Figure 3 - Shell 1601 Webster St, Alameda
Groundwater Pumping Volume, SPH Thickness, and TPHg Concentration

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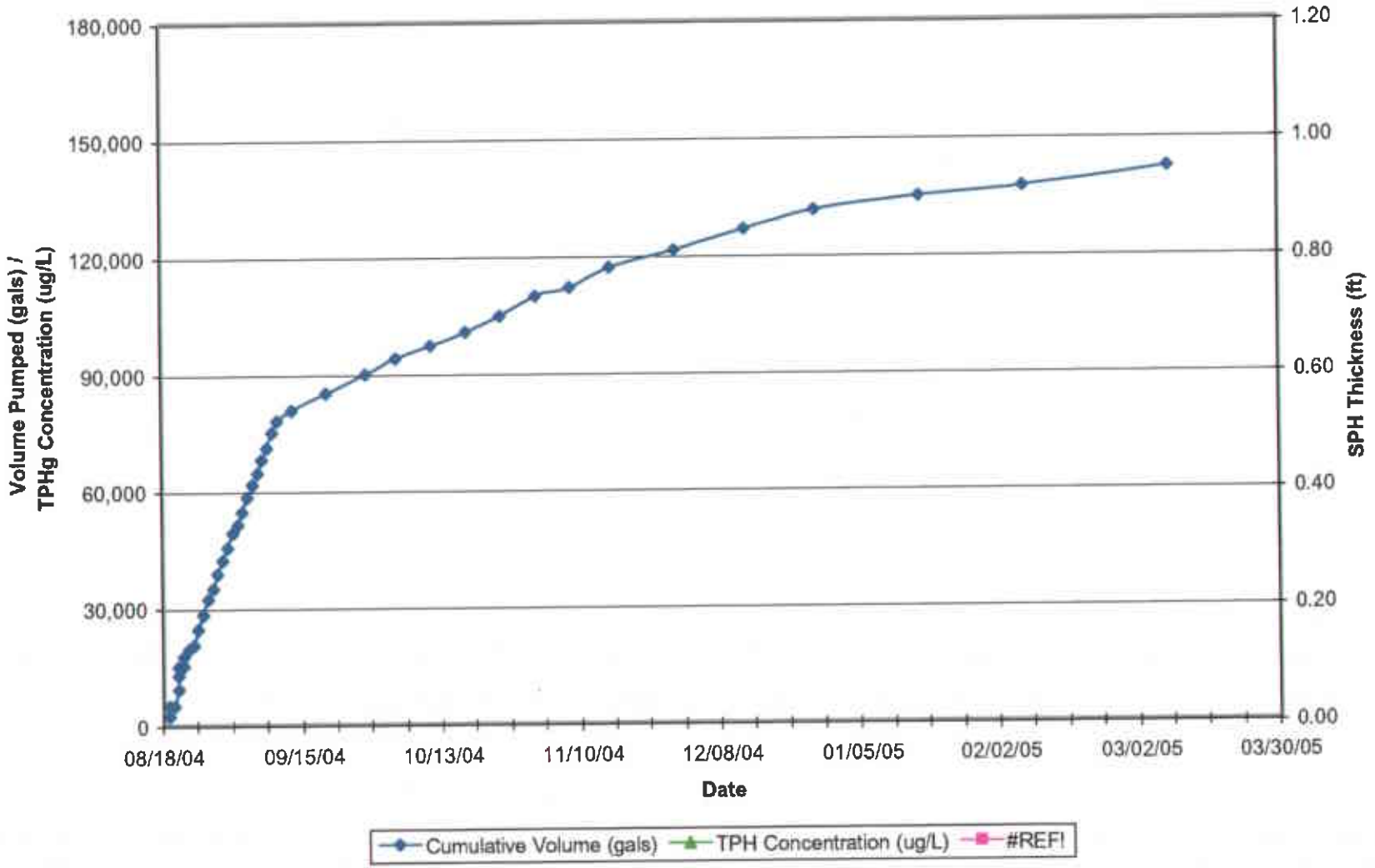

1Q05 GWE Data Tables & Graphs.xls - Figure3-GW Vols, FP, TPH Conc

Figure 4 - Shell 1601 Webster St, Alameda
Groundwater Pumping Volume,
and Benzene Concentration

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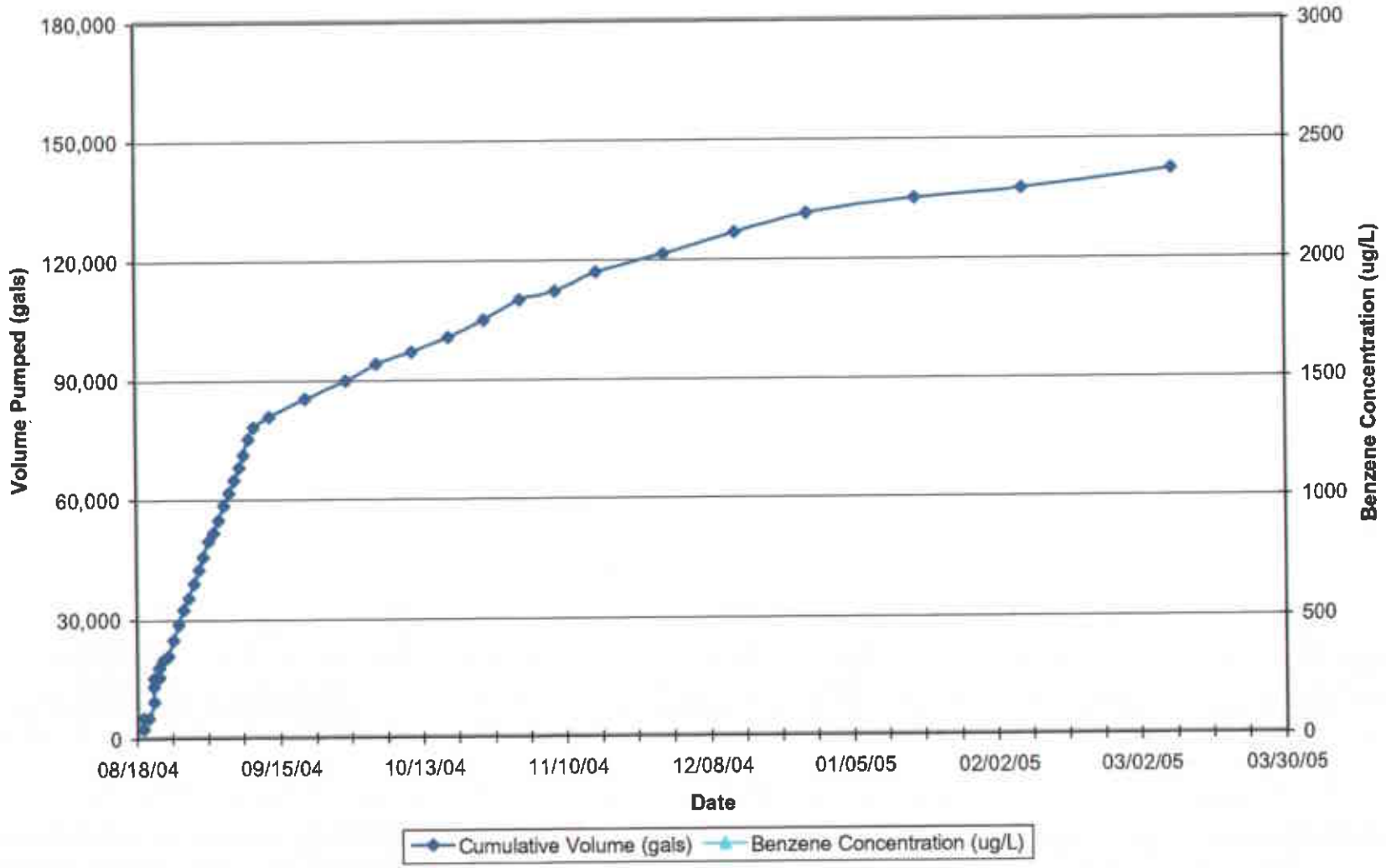
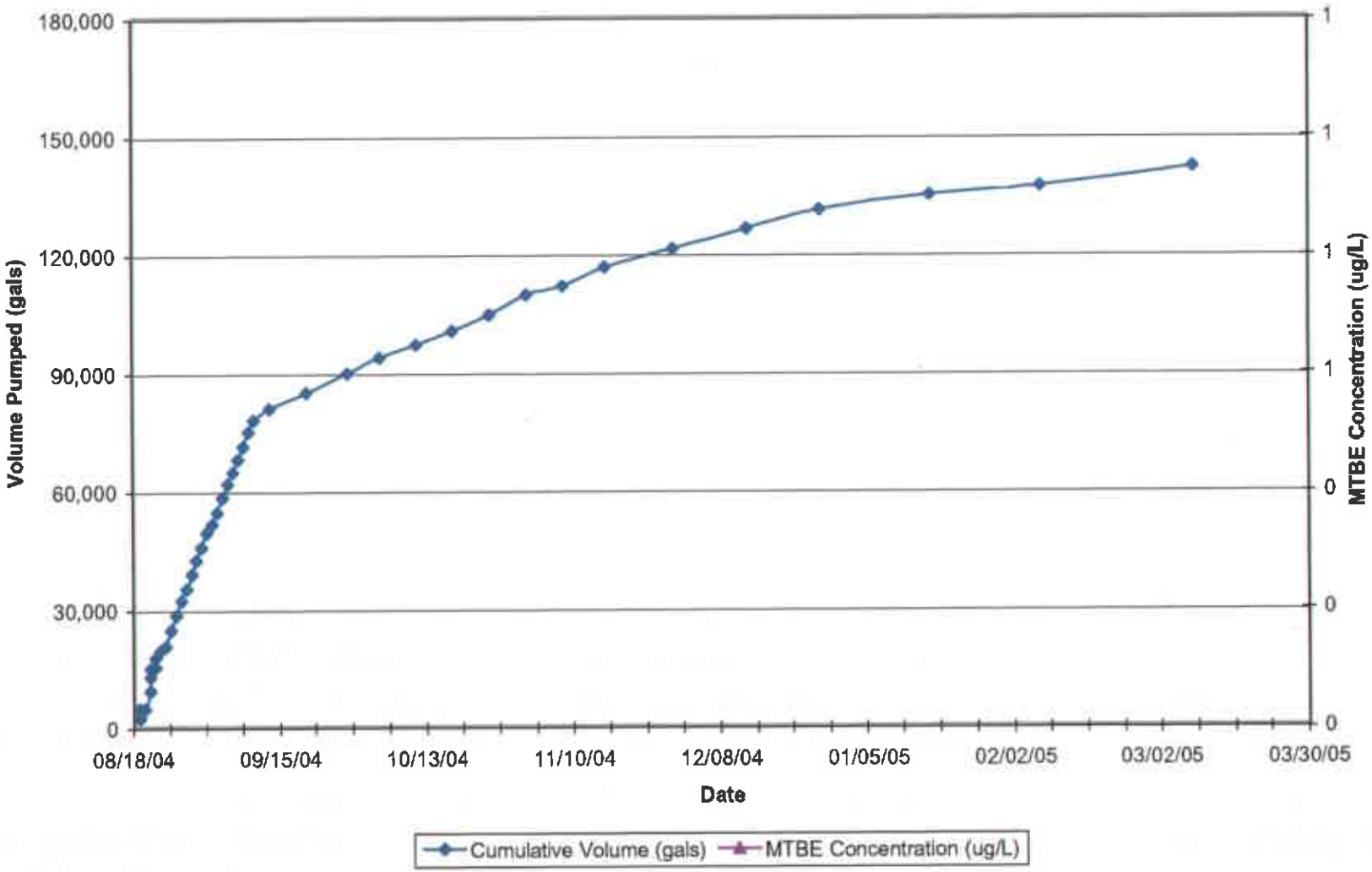


1Q05 GWE Data Tables & Graphs.xls - Figure4-GW Vols, Benzene

Figure 5 - Shell 1601 Webster St, Alameda
Groundwater Pumping Volume,
and MTBE Concentration

CAMBRIA



1Q05 GWE Data Tables & Graphs.xls - Figure5-GW Vols, MTBE

Table 1. Groundwater and Product Removal Data - Shell Service Station, Incident # 97564701, 1601 Webster St, Alameda, California.

Date	Total Volume Hauled (gals)	Cumulative Volume (gals)	Measured Product Thickness in Vacuum Truck (ft)	Dissolved TPHg Conc. (ppm)	Est pounds TPHg removed in Dissolved Phase (lbs)	Estimated Volume of Product Removed as SPH (gal)	Estimated Volume of Product Removed as dissolved phase (gal)	Comments
								FUEL RELEASE ESTIMATE: UST gaging by SJ Weaver on 8/18 read 71.5 inches = 8,340 gallons, per tank chart. On 8/19 gaging by SJ Weaver read 55 inches = 6,256 gallons, per tank chart. Net est. Loss = 8,340-6,256 = 2,084 gallons.
8/19/2004	2,168	2,168	NM	*120*	*2.17*		*0.36*	Pumped from well into open Baker tank. Then tank emptied by PSC vacuum truck
8/19/2004	2,535	4,703	NM	*120*	*2.54*	915	*0.42*	Pumped from well into open Baker tank. Also pumped directly into Vacuum Truck. Then open Baker tank emptied by PSC
8/20/2004	0	4,703	NM	*120*	*0.00*	--	*0.00*	Pumped into closed Baker tank - none hauled.
8/21/2004	4,369	9,072	NM	*120*	*4.37*	*50*	*0.72*	Pumped into closed Baker tank, then began emptying closed tank by vacuum truck. Estimated SPH volume from similar data.
8/21/2004	*3,654*	12,726	0.67	*120*	*3.66*	773	*0.60*	From closed Baker tank and well. Volumes based on verbal report - missing bills of lading
8/21/2004	*2,091*	14,817	0.04	*120*	*2.09*	57	*0.34*	From well and baker tank. Volumes based on verbal report - missing bills of lading
8/22/2004	319	15,136	NM	*120*	*0.32*	*NM*	*0.05*	Baker Tank cleaning water.
8/22/2004	2,285	17,421	0.11	*120*	*2.29*	150	*0.38*	
8/23/2004	1,947	19,368	0.01	*120*	*1.95*	13	*0.32*	
8/24/2004	1,013	20,381	0.01	*120*	*1.01*	12	*0.17*	
8/25/2004	4,026	24,407		*120*	*4.03*		*0.66*	
8/26/2004	3,839	28,246		82	2.63		0.43	
8/27/2004	3,882	32,128		82	2.66		0.44	
8/28/2004	2,770	34,898		100	2.31		0.38	
8/29/2004	3,834	38,732		100	3.20		0.53	
8/30/2004	3,376	42,108		91	2.56	*12*	0.42	Half UST cleaning water and half groundwater from well. SPH amount estimated from 0.02' SPH in UST gaged on 8/21/04
8/31/2004	3,249	45,357		91	2.47		0.41	
9/1/2004	3,832	49,189		110	3.52		0.58	
9/2/2004	2,151	51,340		110	1.97		0.32	
9/3/2004	3,136	54,476		99	2.59		0.43	
9/4/2004	3,671	58,147		99	3.03		0.50	
9/5/2004	3,395	61,542		66	1.87		0.31	
9/6/2004	2,948	64,490		66	1.62		0.27	
9/7/2004	3,285	67,775		66	1.81		0.30	
9/8/2004	3,128	70,903		66	1.72		0.28	
9/9/2004	3,902	74,805		67	2.18		0.36	water from TBW-N, TBW-S, & TBW-E
9/10/2004	2,989	77,794		67	1.67		0.27	water from TBW-N, TBW-S, & TBW-E
9/13/2004	2,807	80,601		61	1.43		0.23	70-barrel truck
9/20/2004	4,266	84,867		120	4.27		0.70	
9/28/2004	4,691	89,558		99	3.88		0.64	
10/4/2004	4,050	93,608		80	2.70		0.44	
10/11/2004	3,121	96,729		57	1.48		0.24	
10/18/2004	3,597	100,326		68	2.04		0.34	
10/25/2004	4,127	104,453		81	2.79			2,641 additional gallons from tank cleaning were disposed of on 10/25/04
11/1/2004	5,047	109,500		86	3.62		0.59	
11/8/2004	2,178	111,678		100	1.82		0.30	
11/16/2004	4,891	116,569		83	3.39		0.56	concentration based on 11/23/04 sample
11/29/2004	4,531	121,100		160	6.05		0.99	concentration based on 11/30/04 sample
12/13/2004	5,208	126,308		120	5.21		0.86	concentration based on 12/15/04 sample
12/27/2004	4,800	131,108		100	4.01		0.66	concentration based on 12/27/04 sample
1/17/2005	3,580	134,688		86	2.57		0.42	concentration based on 1/17/05 sample
2/7/2005	2,389	137,077		97	1.93		0.32	concentration based on 2/4/05 sample
3/8/2005	4,843	141,920		94	3.80		0.62	concentration based on 3/2/05 sample

TOTALS	141,920		113.2	1,982.1	18.1
	(gallons) Total Estimated Volume of Liquid Removed		(pounds) Total estimated mass based on dissolved TPHg concentrations	(gallons) Total Estimated Volume accounted for as liquid SPH	(gallons) Total estimated equivalent volume based on dissolved TPHg concentrations

NOTES:

Mass removal values are approximate only.

Pounds of TPHg/benzene/MTBE removal based on the calculation: (TPHg/benzene/MTBE concentration* (ppb)) x gallons pumped x ($8.3x10^{9}$ (liters/galxpounds/µg))

#N/A

Appendix A

Blaine Tech Services, Inc.
Groundwater Monitoring Report

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

March 25, 2005

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

First Quarter 2005 Groundwater Monitoring at
Shell-branded Service Station
1601 Webster Street
Alameda, CA

Monitoring performed on January 17, February 4, and
March 2, 2005

Groundwater Monitoring Report **050302-BA-1**

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

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

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

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

Please call if you have any questions.

Yours truly,

Leon Gearhart
Project Coordinator

LG/ks

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

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

WELL CONCENTRATIONS
Shell Service Station
1601 Webster Street
Alameda, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
TBW-E	11/23/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.31	NA
TBW-E	12/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.01	NA
TBW-E	12/7/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.32	NA
TBW-E	12/15/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.55	NA
TBW-E	12/23/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.95	NA
TBW-E	12/27/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.47	NA
TBW-N	11/23/2004	83,000	640	27,000	1,700	20,000	2,300	<400	<400	<400	1,300	<10,000	<100	<100	NA	5.64	NA
TBW-N	12/1/2004	160,000	700	31,000	2,300	24,000	2,900	<400	<400	<400	1,200	<10,000	<100	<100	NA	6.35	NA
TBW-N	12/7/2004	130,000	590	29,000	2,300	24,000	2,700	<400	<400	<400	1,300	<10,000	<100	<100	NA	5.65	NA
TBW-N	12/15/2004	120,000	420	26,000	2,000	22,000	3,300	<400	<400	<400	<1,000	<10,000	<100	<100	NA	5.85	NA
TBW-N	12/23/2004	100,000	220	23,000	1,900	20,000	1,900	<400	<400	<400	<1,000	<10,000	<100	<100	NA	5.30	NA
TBW-N	12/27/2004	110,000	470	26,000	2,300	22,000	1,800	<400	<400	<400	<1,000	<10,000	<100	<100	NA	7.80	NA
TBW-N	**1/17/2005**	**86,000**	**330**	**22,000**	**2,200**	**21,000**	**1,600**	**<400**	**<400**	**<400**	**1,600**	**<10,000**	**<100**	**<100**	**NA**	**6.59**	**NA**
TBW-N	**2/4/2005**	**97,000**	**290**	**23,000**	**1,800**	**20,000**	**1,900**	**<400**	**<400**	**<400**	**<1,000**	**<10,000**	**<100**	**<100**	**NA**	**4.50**	**NA**
TBW-N	**3/2/2005**	**94,000**	**360**	**24,000**	**2,000**	**19,000**	**1,200**	**<400**	**<400**	**<400**	**<1,000**	**<10,000**	**<100**	**<100**	**NA**	**4.11**	**NA**
TBW-S	11/23/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.18	NA
TBW-S	12/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.87	NA
TBW-S	12/7/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.15	NA
TBW-S	12/15/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.38	NA
TBW-S	12/23/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.81	NA
TBW-S	12/27/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.35	NA
TBW-W	11/23/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.14	NA
TBW-W	12/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.86	NA
TBW-W	12/7/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.13	NA
TBW-W	12/15/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.37	NA

WELL CONCENTRATIONS
Shell Service Station
1601 Webster Street
Alameda, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
TBW-W	12/23/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.79	NA
TBW-W	12/27/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.32	NA

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by modified EPA Method 8260B.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B.
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether, analyzed by EPA Method 8260B
ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B
TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B
TBA = Tertiary butyl alcohol or tertiary butanol, analyzed by EPA Method 8260B
1,2-DCA = 1,2-Dichloroethane, analyzed by EPA Method 8260B
EDB = Ethylene Dibromide, analyzed by EPA Method 8260B
TOC = Top of Casing Elevation
GW = Groundwater
ug/L = Parts per billion
MSL = Mean sea level
ft. = Feet
<n = Below detection limit
NA = Not applicable

Notes:
Ethanol analyzed by EPA Method 8260B.

SEVERN TRENT STL

Submission#: 2005-01-0497

Blaine Tech Services, Inc.

February 01, 2005

1680 Rogers Avenue
San Jose, CA 95112-1105

Attn.: Leon Gearhart

Project#: 050117-DW-1
Project: 97564701
Site: 1601 Webster St., Alameda

Dear Mr.Gearhart,

Attached is our report for your samples received on 01/18/2005 15:03
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 03/04/2005 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,

Melissa Brewer

Melissa Brewer
Project Manager

SEVERN TRENT STL

Submission: 2005-01-0497

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: 050117-DW-1
97564701

Received: 01/18/2005 15:03

Site: 1601 Webster St., Alameda

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
TBW-N	01/17/2005 09:28	Water	1

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: 050117-DW-1
97564701

Received: 01/18/2005 15:03

Site: 1601 Webster St., Alameda

Prep(s): 5030B | Test(s): 8260B

Sample ID: TBW-N

Lab ID: 2005-01-0497-1

Sampled: 01/17/2005 09:28

Extracted: 01/28/2005 08:41

Matrix: Water

QC Batch#: 2005/01/28-1A.65

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	86000	10000	ug/L	200.00	01/28/2005 08:41	
Benzene	330	100	ug/L	200.00	01/28/2005 08:41	
Toluene	22000	100	ug/L	200.00	01/28/2005 08:41	
Ethylbenzene	2200	100	ug/L	200.00	01/28/2005 08:41	
Total xylenes	21000	200	ug/L	200.00	01/28/2005 08:41	
tert-Butyl alcohol (TBA)	1600	1000	ug/L	200.00	01/28/2005 08:41	
Methyl tert-butyl ether (MTBE)	1600	100	ug/L	200.00	01/28/2005 08:41	
Di-isopropyl Ether (DIPE)	ND	400	ug/L	200.00	01/28/2005 08:41	
Ethyl tert-butyl ether (ETBE)	ND	400	ug/L	200.00	01/28/2005 08:41	
tert-Amyl methyl ether (TAME)	ND	400	ug/L	200.00	01/28/2005 08:41	
1,2-DCA	ND	100	ug/L	200.00	01/28/2005 08:41	
EDB	ND	100	ug/L	200.00	01/28/2005 08:41	
Ethanol	ND	10000	ug/L	200.00	01/28/2005 08:41	
Surrogate(s)						
1,2-Dichloroethane-d4	101.7	73-130	%	200.00	01/28/2005 08:41	
Toluene-d8	102.3	81-114	%	200.00	01/28/2005 08:41	

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: 050117-DW-1
97564701

Received: 01/18/2005 15:03

Site: 1601 Webster St., Alameda

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — Water — QC Batch # 2005/01/28-1A.65

MB: 2005/01/28-1A.65.003 — Date Extracted: 01/28/2005 08:03

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	01/28/2005 08:03	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	01/28/2005 08:03	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	01/28/2005 08:03	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	01/28/2005 08:03	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	01/28/2005 08:03	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	01/28/2005 08:03	
1,2-DCA	ND	0.5	ug/L	01/28/2005 08:03	
EDB	ND	0.5	ug/L	01/28/2005 08:03	
Benzene	ND	0.5	ug/L	01/28/2005 08:03	
Toluene	ND	0.5	ug/L	01/28/2005 08:03	
Ethylbenzene	ND	0.5	ug/L	01/28/2005 08:03	
Total xylenes	ND	1.0	ug/L	01/28/2005 08:03	
Ethanol	ND	50	ug/L	01/28/2005 08:03	
Surrogates(s)					
1,2-Dichloroethane-d4	102.2	73-130	%	01/28/2005 08:03	
Toluene-d8	103.0	81-114	%	01/28/2005 08:03	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 050117-DW-1
97564701

Received: 01/18/2005 15:03

Site: 1601 Webster St., Alameda

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Laboratory Control Spike — Water — QC Batch # 2005/01/28-1A.65

LCS 2005/01/28-1A.65-037 — Extracted: 01/28/2005 — Analyzed: 01/28/2005 07:37

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	20.4		25	81.6			65-165	20		
Benzene	19.7		25	78.8			69-129	20		
Toluene	21.0		25	84.0			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	424		500	84.8			73-130			
Toluene-d8	495		500	99.0			81-114			

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

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

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

Project: 050117-DW-1
97564701

Received: 01/18/2005 15:03

Site: 1601 Webster St., Alameda

Batch QC Report

Prep(s): 5030B Test(s): 8260B

Matrix Spike (MS / MSD) Water **QC Batch # 2005/01/28-1A.65**

MS/MSD Lab ID: I2005010590-009

MS: 2005/01/28-1A.65-014 Extracted: 01/28/2005 Analyzed: 01/28/2005 11:14

Dilution: 1.00

MSD: 2005/01/28-1A.65-040 Extracted: 01/28/2005 Analyzed: 01/28/2005 11:40

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	77.1	71.5	50.1	25	108.0	85.6	23.1	65-165	20		R1
Benzene	22.6	23.1	ND	25	90.4	92.4	2.2	69-129	20		
Toluene	23.9	23.2	ND	25	95.6	92.8	3.0	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	487	469		500	97.4	93.8		73-130			
Toluene-d8	511	514		500	102.3	102.8		81-114			

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 050117-DW-1
97564701

Received: 01/18/2005 15:03

Site: 1601 Webster St., Alameda

Legend and Notes

Analysis Flag

L2

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

Result Flag

R1

Analyte RPD was out of QC limits.

LAB: STL

SHELL Chain Of Custody Record

99630

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be invoiced:

☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT HOUSTON

Karen Petryna

2005-01-0497

INCIDENT NUMBER (SAP ONLY): 9 7 5 6 4 7 0 1

SAP or CRMT NUMBER (TS or CRMT):

DATE: 1-17-05

PAGE: 1 of 1

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS (Street and City):	GLOBAL ID NO.:
Blaine Tech Services	BTSS	1601 Webster St., Alameda	T0600137103

ADDRESS:	EDF DELIVERABLE TO (Responsible Party or Consultant):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
1680 Rogers Avenue, San Jose, CA 95112	Anni Kreml	(510) 420-3335	ShellOaklandEDF@cambria-env.com	050117-DW-1

PROJECT CONTACT (Hardcopy or PDF Report to):	TELEPHONE:	FAX:	E-MAIL:	BTS #
Leon Gearhart	408-573-0555	408-573-7771	lgearhart@blainetech.com	

SAMPLER NAME(S) (Print): Dave Walter

LAB USE ONLY:

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDB (8260B)	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	TBW-N	1-17	9:28	W	3	X	X			X	X		X	X	

2°C

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
David C. Dubb		1/16/05	1503
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		01/18/05	1740
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

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

10/15/00 Revision

OAK Graphic (714) 895-8702

SEVERN TRENT STL

Submission#: 2005-02-0266

Blaine Tech Services, Inc.

February 21, 2005

1680 Rogers Avenue
San Jose, CA 95112-1105

Attn.: Leon Gearhart

Project#: 050204-DA3
Project: 97564701
Site: 1601 Webster St., Alameda

Dear Mr.Gearhart,

Attached is our report for your samples received on 02/04/2005 13:58
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 03/21/2005 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,

Melissa Brewer

Melissa Brewer
Project Manager

SEVERN TRENT STL

Submission: 2005-02-0266

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: 050204-DA3
97564701

Received: 02/04/2005 13:58

Site: 1601 Webster St., Alameda

Samples Reported

Sample Name	Date Sampled	Matrix	Lab#
TBW-N	02/04/2005 11:00	Water	1

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: 050204-DA3
97564701

Received: 02/04/2005 13:58

Site: 1601 Webster St., Alameda

Prep(s): 5030B — Test(s): 8260B

Sample ID: TBW-N — Lab ID: 2005-02-0266-1

Sampled: 02/04/2005 11:00 — Extracted: 2/18/2005 00:32

Matrix: Water — QC Batch#: 2005/02/17-2C.62

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	97000	10000	ug/L	200.00	02/18/2005 00:32	
Benzene	290	100	ug/L	200.00	02/18/2005 00:32	
Toluene	23000	100	ug/L	200.00	02/18/2005 00:32	
Ethylbenzene	1800	100	ug/L	200.00	02/18/2005 00:32	
Total xylenes	20000	200	ug/L	200.00	02/18/2005 00:32	
tert-Butyl alcohol (TBA)	ND	1000	ug/L	200.00	02/18/2005 00:32	
Methyl tert-butyl ether (MTBE)	1900	100	ug/L	200.00	02/18/2005 00:32	
Di-isopropyl Ether (DIPE)	ND	400	ug/L	200.00	02/18/2005 00:32	
Ethyl tert-butyl ether (ETBE)	ND	400	ug/L	200.00	02/18/2005 00:32	
tert-Amyl methyl ether (TAME)	ND	400	ug/L	200.00	02/18/2005 00:32	
1,2-DCA	ND	100	ug/L	200.00	02/18/2005 00:32	
EDB	ND	100	ug/L	200.00	02/18/2005 00:32	
Ethanol	ND	10000	ug/L	200.00	02/18/2005 00:32	
Surrogate(s)						
1,2-Dichloroethane-d4	114.6	73-130	%	200.00	02/18/2005 00:32	
Toluene-d8	106.2	81-114	%	200.00	02/18/2005 00:32	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 050204-DA3
97564701

Received: 02/04/2005 13:58

Site: 1601 Webster St., Alameda

Batch QC Report

Prep(s): 5030B Test(s): 8260B

Method Blank Water **QC Batch # 2005/02/17-2C.62**

MB:2005/02/17-2C.62-009 Date Extracted: 02/17/2005 17:09

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	02/17/2005 17:09	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	02/17/2005 17:09	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	02/17/2005 17:09	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	02/17/2005 17:09	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	02/17/2005 17:09	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	02/17/2005 17:09	
1,2-DCA	ND	0.5	ug/L	02/17/2005 17:09	
EDB	ND	0.5	ug/L	02/17/2005 17:09	
Benzene	ND	0.5	ug/L	02/17/2005 17:09	
Toluene	ND	0.5	ug/L	02/17/2005 17:09	
Ethylbenzene	ND	0.5	ug/L	02/17/2005 17:09	
Total xylenes	ND	1.0	ug/L	02/17/2005 17:09	
Ethanol	ND	50	ug/L	02/17/2005 17:09	
Surrogates(s)					
1,2-Dichloroethane-d4	103.6	73-130	%	02/17/2005 17:09	
Toluene-d8	98.6	81-114	%	02/17/2005 17:09	

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: 050204-DA3
97564701

Received: 02/04/2005 13:58

Site: 1601 Webster St., Alameda

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch #: 2005/02/17-2C.62

LCS: 2005/02/17-2C.62-043

Extracted: 02/17/2005

Analyzed: 02/17/2005 16:43

LCSD:

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	26.9		25	107.6			65-165	20		
Benzene	22.6		25	90.4			69-129	20		
Toluene	24.8		25	99.2			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	502		500	100.4			73-130			
Toluene-d8	538		500	107.6			81-114			

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 050204-DA3
97564701

Received: 02/04/2005 13:58

Site: 1601 Webster St., Alameda

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Matrix Spike (MS/MSD) — Water — QC Batch #: 2005/02/17-2C.62

MS/MSD #: — Lab ID: 2005-02-0266-004

MS: 2005/02/17-2C.62-040 — Extracted: 02/17/2005 — Analyzed: 02/17/2005 20:40 — Dilution: 1.00

MSD: 2005/02/17-2C.62-005 — Extracted: 02/17/2005 — Analyzed: 02/17/2005 21:05 — Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	32.8	31.0	ND	25	131.2	124.0	5.6	65-165	20		
Benzene	28.5	28.7	ND	25	114.0	114.8	0.7	69-129	20		
Toluene	29.9	30.4	ND	25	119.6	121.6	1.7	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	543	536		500	108.6	107.2		73-130			
Toluene-d8	521	528		500	104.2	105.6		81-114			

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 050204-DA3
97564701

Received: 02/04/2005 13:58

Site: 1601 Webster St., Alameda

Legend and Notes

Analysis Flag

L2

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

LAB: STL

SHELL Chain Of Custody Record

98094

(Lab Identification (if necessary))

Address:

City, State, Zip:

Shell Project Manager to be Invoiced:

☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

Karen Petryna

2005-02-0266

INCIDENT NUMBER (S&E ONLY): 97564701

SAP or CRMT NUMBER (TS/CRMT):

DATE: 2/4/05

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services

LOG CODE: BTSS

SITE ADDRESS (Street and City): 1601 Webster St., Alameda

GLOBAL ID NO.: T0600137103

ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112

EDF DELIVERABLE TO (Responsible Party or Designee): Anni Kreml

PHONE NO.: (510) 420-3335

E-MAIL: ShellOaklandEDF@cambria-env.com

CONSULTANT PROJECT NO.: 05-0204-P-3

BTS #:

PROJECT CONTACT (Hardcopy or PDF Report to): Leon Gearhart

TELEPHONE: 408-573-0555

FAX: 408-573-7771

E-MAIL: lgearhart@blainetech.com

SAMPLER NAME(S) (Print): David Alliot

LAB USE ONLY

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by 8260B	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDB (8260B)	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	TBW-N	2/4/05	1100	W	3	X	X			X	X		X	X	

TEMPERATURE ON RECEIPT C°: 2

Relinquished by: (Signature) David Alliot	Received by: (Signature)	Date: 2/4/05	Time: 1358
Relinquished by: (Signature)	Received by: (Signature) Tracy Bartlett	Date: 2/4/05	Time: 17:31
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

DISTRIBUTION: White with final report; Green to File; Yellow and Pink to Client

10/15/99 Revision

OAG Geotracker (510) 895-3772

SEVERN TRENT STL

Submission#: 2005-03-0188

Blaine Tech Services, Inc.

March 21, 2005

1680 Rogers Avenue
San Jose, CA 95112-1105

Attn.: Leon Gearhart

Project#: BTS#050302-BA1
Project: 97564701
Site: 1601 Webster St., Alameda

Dear Mr.Gearhart,

Attached is our report for your samples received on 03/03/2005 15:00
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 04/17/2005 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,

Melissa Brewer

Melissa Brewer
Project Manager

SEVERN TRENT STL

Submission: 2005-03-0188

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: BTS#050302-BA1
97564701

Received: 03/03/2005 15:00

Site: 1601 Webster St., Alameda

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
TBW-N	03/02/2005 15:45	Water	1

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: BTS#050302-BA1
97564701

Received: 03/03/2005 15:00

Site: 1601 Webster St., Alameda

Prep(s): 5030B | Test(s): 8260B

Sample ID: **TBW-N** | Lab ID: 2005.03.0188 - 1

Sampled: 03/02/2005 15:45 | Extracted: 3/16/2005 09:18

Matrix: Water | QC Batch#: 2005/03/16-1B.65

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	94000	10000	ug/L	200.00	03/16/2005 09:18	
Benzene	360	100	ug/L	200.00	03/16/2005 09:18	
Toluene	24000	100	ug/L	200.00	03/16/2005 09:18	
Ethylbenzene	2000	100	ug/L	200.00	03/16/2005 09:18	
Total xylenes	19000	200	ug/L	200.00	03/16/2005 09:18	
tert-Butyl alcohol (TBA)	ND	1000	ug/L	200.00	03/16/2005 09:18	
Methyl tert-butyl ether (MTBE)	1200	100	ug/L	200.00	03/16/2005 09:18	
Di-isopropyl Ether (DIPE)	ND	400	ug/L	200.00	03/16/2005 09:18	
Ethyl tert-butyl ether (ETBE)	ND	400	ug/L	200.00	03/16/2005 09:18	
tert-Amyl methyl ether (TAME)	ND	400	ug/L	200.00	03/16/2005 09:18	
1,2-DCA	ND	100	ug/L	200.00	03/16/2005 09:18	
EDB	ND	100	ug/L	200.00	03/16/2005 09:18	
Ethanol	ND	10000	ug/L	200.00	03/16/2005 09:18	
Surrogate(s)						
1,2-Dichloroethane-d4	122.7	73-130	%	200.00	03/16/2005 09:18	
Toluene-d8	108.5	81-114	%	200.00	03/16/2005 09:18	

LAB: STL

SHELL Chain Of Custody Record

102425

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be Invoiced:
☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ GMT HOUSTON
Karen Petryna

2005-03-0188

INCIDENT NUMBER (S&E ONLY): 9 7 5 6 4 7 0 1

SAP or GMT NUMBER (TS/GMT):

DATE: 3/2/05

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services	LOG CODE: BTSS	SITE ADDRESS (Street and City): 1601 Webster St., Alameda	GLOBAL ID NO.: T0600137103
ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112			
PROJECT CONTACT (Hardcopy or PDF Report to): Leon Gearhart		SHELL DELIVERABLE TO (Responsible Party or Designee): Anni Kromi	PHONE NO.: (510) 420-3335
TELEPHONE: 408-573-8855	FAX: 408-573-7771	E-MAIL: lgearhart@blainetech.com	E-MAIL: ShellOaklandEDF@cambria-env.com
SAMPLER NAME(S) (Print): Brian Alcam		CONSULTANT PROJECT NO.: 050302-BT91	

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

GC/MS MTBE CONFIRMATION: HIGHEST: _____ HIGHEST per BORING _____ ALL _____

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

LAB USE ONLY

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 3ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDB (8260B)	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
1	TBW-N	3/2	1545	W	3	X	X			X	X		X	X	

2°C

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date: 3.3.05	Time: 1500
Relinquished by: (Signature)	Received by: (Signature)	Date: 3-3-05	Time: 1740
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

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

10/16/00 Revision

WELLHEAD INSPECTION CHECKLIST

Date 3/2/05 Client Shell

Site Address 1601 Webster, Alameda

Job Number 050302-BA1 Technician Brian Alcaro

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Debris Removed From Wellbox	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
TBW-N	X	Rim seal deficient / Bolt holes stripped 1 of 4 bolts missing						

NOTES:

WELLHEAD INSPECTION CHECKLIST

Date 2/4/05 Client Shell

Site Address 1601 Webster St. Alameda, CA

Job Number 050204-DA3 Technician DA

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Debris Removed From Wellbox	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
TBW-N							X	

NOTES: TBW-N: Vault: 2/3 bolts do not tighten in holes

WELLHEAD INSPECTION CHECKLIST

Date 1-17-05 Client Shell

Site Address 1601 Webster St. Alameda

Job Number 050117-DW-1 Technician DW

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Debris Removed From Wellbox	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
TBW-N	x							

NOTES:

WELL GAUGING DATA

Project # 050302-BA2 Date 3/2/05 Client SheM

Site 1601 Webster, Alameda

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
TBWN	4					4.11	10.62	TOC	

SHELL WELL MONITORING DATA SHEET

BTS #: 050302-BA2	Site: 1601 Webster, Alameda
Sampler: Brian Alcorn	Date: 3/2/05
Well I.D.: TBW-N	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 10.62	Depth to Water (DTW): 4.11
Depth to Free Product: ø	Thickness of Free Product (feet): ø
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other____

Sampling Method: (Bailer), Disposable Bailer, Extraction Port, Dedicated Tubing, Other: ____

4.5 (Gals.) X 3 = 13.5 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
No SPH Detected						
1540	65.9	6.5	626	36	4.5	clear, odor
1541	64.8	6.3	612	29	9.0	" "
1542	64.3	6.3	606	20	13.5	" "

Did well dewater? Yes (No) Gallons actually evacuated: 13.5

Sampling Date: 3/2/05 Sampling Time: 1545 Depth to Water: 4.13

Sample I.D.: TBW-N Laboratory: (STL) Other____

Analyzed for: TPH-G (BTEX) MTBE TPH-D Other: Oxys, 12-DCA, EDB, Ethanol

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

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

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

WELL GAUGING DATA

Project # 050204-DA3 Date 2/4/05 Client Shell

Site 1601 Webster St. Alameda, CA

	Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
*	TBW-N	4		No SPH detected			4.50	10.68	TOC	
	* Gauged w/ interface probe									

SHELL WELL MONITORING DATA SHEET

BTS #: 050204-DA3	Site: 1601 Webster St. Alameda, CA
Sampler: DA	Date: 2/4/05
Well I.D.: TBW-N	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 10.68	Depth to Water (DTW): 4.50
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 5.74	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; Y Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

4.0 (Gals.) X 3 = 12.0 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (US))	Turbidity (NTUs)	Gals. Removed	Observations
1054	61.6	6.0	522	67	4	clear, fuel odor
1055	61.6	6.2	513	32	8	
1056	61.7	6.3	510	17	12	

Did well dewater? Yes (No) Gallons actually evacuated: 12

Sampling Date: 2/4/05 Sampling Time: 1100 Depth to Water: 4.52

Sample I.D.: TBW-N Laboratory: (STL) Other_____

Analyzed for: (TPH-G BTEX) MTBE TPH-D Other: See COC

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

Analyzed for: (TPH-G BTEX) (MTBE) TPH-D Other: See COC

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

WELL GAUGING DATA

Project # 050117-DW-1 Date 1-17-05 Client Shell

Site 1601 Webster St. Alameda

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
TBW-N	4					6.59	10.70	TOC	

SHELL WELL MONITORING DATA SHEET

BTS #: 050117-DW-1	Site: 1601 Webster St.
Sampler: DW	Date: 1-17-05
Well I.D.: TBW-N	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 10.70	Depth to Water (DTW): 6.59
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 7.41	

Purge Method:
- Bailer
- Disposable Bailer
- Positive Air Displacement
- X Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other____

Sampling Method:
- X Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: ____

2.7 (Gals.) X 3 = 8.1 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
9:21	58.8	6.7	530	17	2.7	
9:22	60.0	6.6	519	9	5.4	
9:23	60.6	6.5	514	6	8.1	

Did well dewater? Yes (No) Gallons actually evacuated: 8.1

Sampling Date: 1-17-05 Sampling Time: 9:28 Depth to Water: 6.60

Sample I.D.: TBW-N Laboratory: (STL) Other____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: See SOW

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

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

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