



Shell Oil Products US

R024416

August 15, 2005

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

Alameda County
AUG 17 2005
Environmental Health

Subject: Groundwater Monitoring Report – Second Quarter 2005
Shell-branded Service Station
9750 Golf Links Road
Oakland, California
SAP Code: 135683
Incident No. 98995744

Dear Mr. Wickham:

Attached for your review and comment is a copy of the *Groundwater Monitoring Report – Second Quarter 2005* 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 (707) 865-0251 with any questions or concerns.

Sincerely,

Shell Oil Products US

Denis L. Brown
Project Manager

August 15, 2005

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

Re: **Groundwater Monitoring Report - Second Quarter 2005**
Shell-branded Service Station
9750 Golf Links Road
Oakland, California
SAP Code 135683
Incident #98995744
Fuel Leak Case # RO0002441

Alameda County
AUG 17 2005
Environmental Health



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.

SECOND QUARTER 2005 ACTIVITIES

Blaine Tech Services, Inc. (Blaine) of San Jose, California developed, gauged, and sampled all site wells and prepared a summary table of field gauging and laboratory analytical data. Cambria prepared a vicinity/area well survey map (Figure 1) and a groundwater contour/chemical concentration map (Figure 2). Blaine's report, presenting the laboratory report and supporting field documents, is included as Appendix A.

ANTICIPATED THIRD QUARTER 2005 ACTIVITIES

Blaine will gauge and sample all site wells and tabulate the data. Cambria will prepare a groundwater monitoring report.

**Cambria
Environmental
Technology, Inc.**

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

C A M B R I A

ANTICIPATED THIRD QUARTER 2005 ACTIVITIES

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

Other Activities: Cambria received correspondence from Alameda County Health Care Services Agency (ACHCSA) dated July 13, 2005 which provides technical comments to previous document submittals. In this correspondence, the ACHCSA requested that Cambria prepare a *Revised Site Investigation Report* addressing the technical comments. Cambria is in the process of preparing the requested document and intends to submit it by the requested date of September 13, 2005.



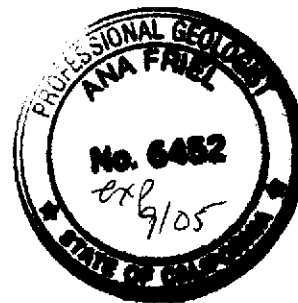
CLOSING

If you have any questions or comments regarding this submittal, please call Ana Friel at (707) 268-3812.

Sincerely,
Cambria Environmental Technology, Inc

Lisa Summers
Staff Scientist

Ana Friel
Senior Project Geologist
PG 6452

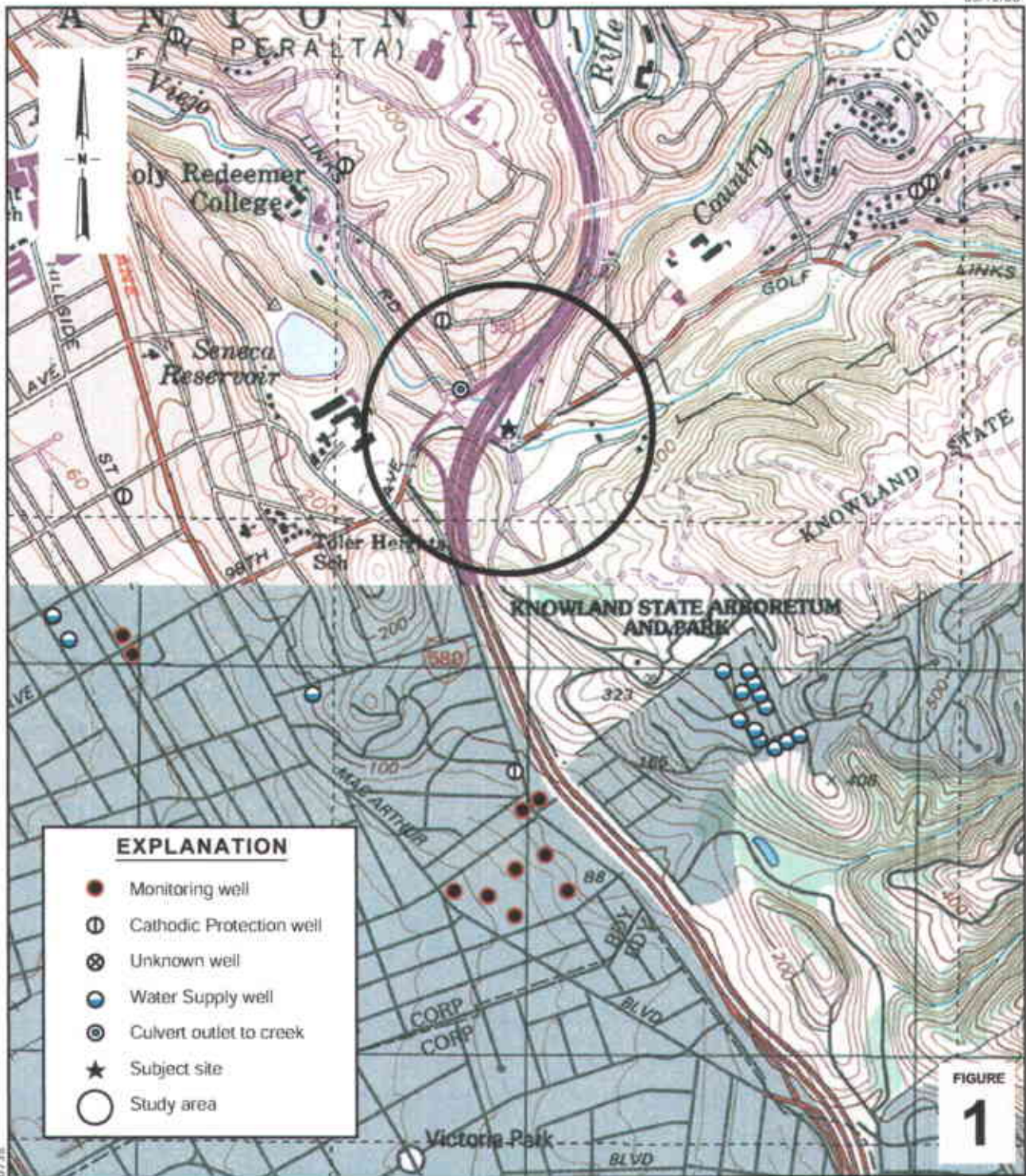


Attachments:

- Figure 1. Site Vicinity/Area Well Survey Map
- Figure 2. Groundwater Contour/Chemical Concentration Map

- Appendix A. Blaine Tech Services – Groundwater Monitoring Report

cc: Mr. Denis Brown, Shell











Shell-branded Service Station
 9750 Golf Links Road
 Oakland, California



C A M B R I A

**Site Vicinity/
 Area Well Survey Map**
 (1/4-Mile Radius)

EXPLANATION

-  Groundwater monitoring well
-  Attempted monitoring well
-  Groundwater elevation in feet referenced to mean sea level (ft msl). Arrows indicate approximate groundwater flow direction.
- 1.90** Groundwater elevation in ft msl
- (<0.50)** Benzene concentration in parts per billion (ppb)
- (45)** MTBE concentration in ppb
- ⊗** Not detected at reporting limit x
-  Storm drain line
-  Sanitary sewer line
-  Water line
-  Electrical line
-  Electrical line

Approximate hydraulic gradient = 0.08

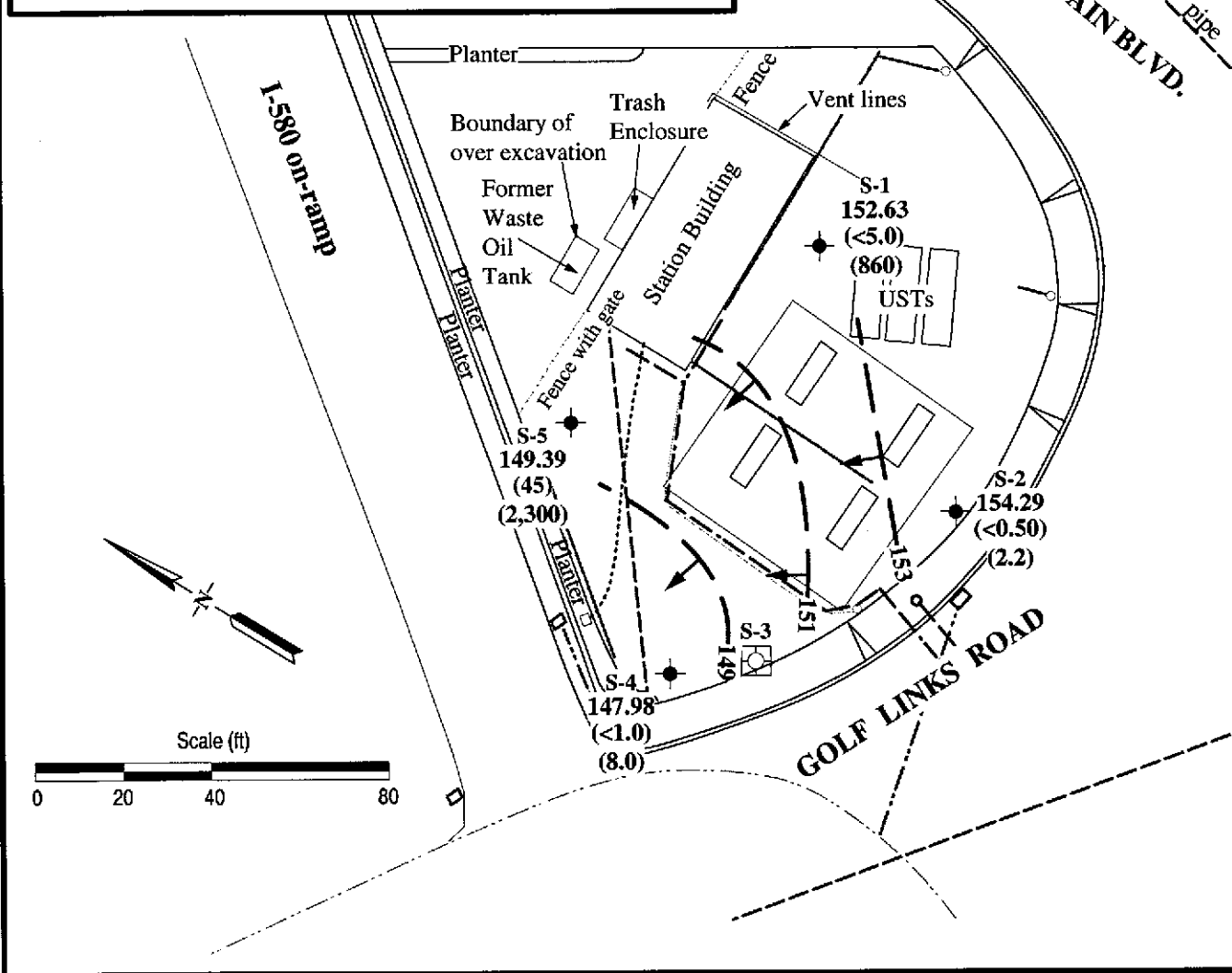


FIGURE
2

Shell-branded Service Station

9750 Golf Links Road
Oakland, California



CAMBRIA

**Groundwater Contour/Chemical
Concentration Map**

June 16, 2005

0735

Appendix A
Blaine Tech Services
Groundwater Monitoring Report

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

July 5, 2005

Denis Brown
Shell Oil Products US
20945 South Wilmington Avenue
Carson, CA 90810

Second Quarter 2005 Groundwater Monitoring at
Shell-branded Service Station
9750 Golf Links Road
Oakland, CA

Monitoring performed on June 16, 2005

Groundwater Monitoring Report **050616-MD-2**

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

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

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

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

Please call if you have any questions.

Yours truly,

Leon Gearhart
Project Coordinator

LG/ks

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

cc: Ana Friel
Cambria Environmental Technology, Inc.
270 Perkins St.
Sonoma, CA 95476

WELL CONCENTRATIONS
Shell-branded Service Station
9750 Golf Links Road
Oakland, 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)	1,2-DCA (ug/L)	EDB (ug/L)	Methanol (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
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S-1	03/09/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	160.54	7.65	152.89
S-1	03/23/2005	13,000	<13	<13	89	70	1,400	<50	<50	<50	460	<13	<13	<500	<1,300	160.54	7.62	152.92
S-1	06/16/2005	9,500	<5.0	<5.0	130	66	860	<20	<20	<20	780	<5.0	<5.0	2,800	<500	160.54	7.91	152.63
S-1	08/02/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<500	NA	160.54	8.44	152.10

S-2	03/09/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	160.23	5.64	154.59
S-2	03/23/2005	<50	<0.50	<0.50	<0.50	<1.0	5.3	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<500	<50	160.23	5.20	155.03
S-2	06/16/2005	<50	<0.50	<0.50	<0.50	<1.0	2.2	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<500	<50	160.23	5.94	154.29

S-4	03/09/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	158.23	9.83	148.40
S-4	03/23/2005	<100	<1.0	<1.0	<1.0	<2.0	260	<4.0	<4.0	<4.0	<10	<1.0	<1.0	<500	<100	158.23	9.55	148.68
S-4	06/16/2005	<50	<0.50	<0.50	<0.50	<1.0	8.0	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<500	<50	158.23	10.25	147.98

S-5	03/09/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	159.69	10.62	149.07
S-5	03/23/2005	<1,300	13	<13	26	60	2,800	<50	<50	<50	<130	<13	<13	<500	<1,300	159.69	11.49	148.20
S-5	06/16/2005	<1,300	45	<13	53	<25	2,300	<50	<50	<50	380	<13	<13	<500	<1,300	159.69	10.30	149.39

WELL CONCENTRATIONS
Shell-branded Service Station
9750 Golf Links Road
Oakland, 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)	1,2-DCA (ug/L)	EDB (ug/L)	Methanol (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
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Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by 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 8260

ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260

TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260

TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260

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 and Methanol analyzed by EPA Method 8260B.

Site surveyed March 23, 2005 by Virgil Chavez Land Surveying of Vallejo, CA.

Blaine Tech Services, Inc.

June 30, 2005

1680 Rogers Avenue
San Jose, CA 95112-1105
Attn.: Leon Gearhart
Project#: BTS#050616-MD2
Project: 98995744
Site: 9750 Golf Links Rd., Oakland

Dear Mr. Gearhart,

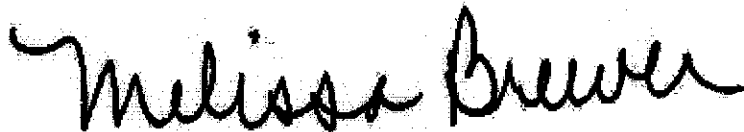
Attached is our report for your samples received on 06/16/2005 17:17
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after
07/31/2005 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
Project Manager

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: BTS#050616-MD2
98995744

Received: 06/16/2005 17:17

Site: 9750 Golf Links Rd., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
S-1	06/16/2005 14:20	Water	1
S-2	06/16/2005 13:00	Water	2
S-4	06/16/2005 14:00	Water	3
S-5	06/16/2005 14:10	Water	4

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#050616-MD2
98995744

Received: 06/16/2005 17:17

Site: 9750 Golf Links Rd., Oakland

Prep(S):	5030B	Test(S):	8260B
Sample ID:	S-1	Lab ID:	2005-06-0505
Sampled:	06/16/2005 14:20	Extracted:	6/27/2005 11:25
Matrix:	Water	GC Batch#:	2005/06/27-1C.62
Analysis Flag: 02, pH: 2 (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	9500	500	ug/L	10.00	06/27/2005 11:25	
Benzene	ND	5.0	ug/L	10.00	06/27/2005 11:25	
Toluene	ND	5.0	ug/L	10.00	06/27/2005 11:25	
Ethylbenzene	130	5.0	ug/L	10.00	06/27/2005 11:25	
Total xylenes	66	10	ug/L	10.00	06/27/2005 11:25	
tert-Butyl alcohol (TBA)	780	50	ug/L	10.00	06/27/2005 11:25	
Methyl tert-butyl ether (MTBE)	860	5.0	ug/L	10.00	06/27/2005 11:25	
Di-isopropyl Ether (DIPE)	ND	20	ug/L	10.00	06/27/2005 11:25	
Ethyl tert-butyl ether (ETBE)	ND	20	ug/L	10.00	06/27/2005 11:25	
tert-Amyl methyl ether (TAME)	ND	20	ug/L	10.00	06/27/2005 11:25	
1,2-DCA	ND	5.0	ug/L	10.00	06/27/2005 11:25	
EDB	ND	5.0	ug/L	10.00	06/27/2005 11:25	
Ethanol	ND	500	ug/L	10.00	06/27/2005 11:25	
Surrogate(s)						
1,2-Dichloroethane-d4	105.8	73-130	%	10.00	06/27/2005 11:25	
Toluene-d8	96.0	81-114	%	10.00	06/27/2005 11:25	

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#050616-MD2
98995744

Received: 06/16/2005 17:17

Site: 9750 Golf Links Rd., Oakland

Prep/Std: 5080B	Test/Std: 8260B
Sample ID: S-2	Lab ID: 2005-06-0505-2
Sampled: 06/16/2005 16:00	Extracted: 6/26/2005 02:32
Matrix: Water	QC Batch#: 2005/06/25/2B-62
pH: 7	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	06/26/2005 02:32	
Benzene	ND	0.50	ug/L	1.00	06/26/2005 02:32	
Toluene	ND	0.50	ug/L	1.00	06/26/2005 02:32	
Ethylbenzene	ND	0.50	ug/L	1.00	06/26/2005 02:32	
Total xylenes	ND	1.0	ug/L	1.00	06/26/2005 02:32	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	06/26/2005 02:32	
Methyl tert-butyl ether (MTBE)	2.2	0.50	ug/L	1.00	06/26/2005 02:32	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	06/26/2005 02:32	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	06/26/2005 02:32	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	06/26/2005 02:32	
1,2-DCA	ND	0.50	ug/L	1.00	06/26/2005 02:32	
EDB	ND	0.50	ug/L	1.00	06/26/2005 02:32	
Ethanol	ND	50	ug/L	1.00	06/26/2005 02:32	
Surrogate(s)						
1,2-Dichloroethane-d4	119.2	73-130	%	1.00	06/26/2005 02:32	
Toluene-d8	99.0	81-114	%	1.00	06/26/2005 02:32	

Sewern Trent Laboratories, Inc.

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

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

06/30/2005 16:43

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: BTS#050616-MD2

98995744

Received: 06/16/2005 17:17

Site: 9750 Golf Links Rd., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	S-4	Lab ID:	2005-06-0505-3
Sampled:	06/16/2005 14:00	Extracted:	6/26/2005 02:58
Matrix:	Water	QC Batch#:	2005/06/26-28 62
pH:	<2		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	06/26/2005 02:58	
Benzene	ND	0.50	ug/L	1.00	06/26/2005 02:58	
Toluene	ND	0.50	ug/L	1.00	06/26/2005 02:58	
Ethylbenzene	ND	0.50	ug/L	1.00	06/26/2005 02:58	
Total xylenes	ND	1.0	ug/L	1.00	06/26/2005 02:58	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	06/26/2005 02:58	
Methyl tert-butyl ether (MTBE)	8.0	0.50	ug/L	1.00	06/26/2005 02:58	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	06/26/2005 02:58	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	06/26/2005 02:58	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	06/26/2005 02:58	
1,2-DCA	ND	0.50	ug/L	1.00	06/26/2005 02:58	
EDB	ND	0.50	ug/L	1.00	06/26/2005 02:58	
Ethanol	ND	50	ug/L	1.00	06/26/2005 02:58	
Surrogate(s)						
1,2-Dichloroethane-d4	110.9	73-130	%	1.00	06/26/2005 02:58	
Toluene-d8	94.3	81-114	%	1.00	06/26/2005 02:58	

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#050616-MD2
98995744

Received: 06/16/2005 17:17

Site: 9750 Golf Links Rd., Oakland

Project(s): 8080B Test(s): 8260B
 Sample ID: 8-5 Lab ID: 2005-06-0505-4
 Sampled: 06/16/2005 14:10 Extracted: 06/26/2005 03:24
 Matrix: Water GC Batch#: 2005/06/26-2B-62
 Analysis Flag: L2, pH: <2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1300	ug/L	25.00	06/26/2005 03:24	
Benzene	45	13	ug/L	25.00	06/26/2005 03:24	
Toluene	ND	13	ug/L	25.00	06/26/2005 03:24	
Ethylbenzene	53	13	ug/L	25.00	06/26/2005 03:24	
Total xylenes	ND	25	ug/L	25.00	06/26/2005 03:24	
tert-Butyl alcohol (TBA)	380	130	ug/L	25.00	06/26/2005 03:24	
Methyl tert-butyl ether (MTBE)	2300	13	ug/L	25.00	06/26/2005 03:24	
Di-isopropyl Ether (DIPE)	ND	50	ug/L	25.00	06/26/2005 03:24	
Ethyl tert-butyl ether (ETBE)	ND	50	ug/L	25.00	06/26/2005 03:24	
tert-Amyl methyl ether (TAME)	ND	50	ug/L	25.00	06/26/2005 03:24	
1,2-DCA	ND	13	ug/L	25.00	06/26/2005 03:24	
EDB	ND	13	ug/L	25.00	06/26/2005 03:24	
Ethanol	ND	1300	ug/L	25.00	06/26/2005 03:24	
Surrogate(s)						
1,2-Dichloroethane-d4	108.2	73-130	%	25.00	06/26/2005 03:24	
Toluene-d8	101.8	81-114	%	25.00	06/26/2005 03:24	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: BTS#050616-MD2
98995744

Received: 06/16/2005 17:17

Site: 9750 Golf Links Rd., Oakland

Batch QC Report					
Prep(s): 5030B				Prep(s): 8260B	
Method Blank		Water		QC Batch # 2005/06/25-2B: 02	
MB: 2005/06/25-2B: 62-029				Date Extracted: 06/25/2005 18:29	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	06/25/2005 18:29	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	06/25/2005 18:29	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	06/25/2005 18:29	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	06/25/2005 18:29	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	06/25/2005 18:29	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	06/25/2005 18:29	
1,2-DCA	ND	0.5	ug/L	06/25/2005 18:29	
EDB	ND	0.5	ug/L	06/25/2005 18:29	
Benzene	ND	0.5	ug/L	06/25/2005 18:29	
Toluene	ND	0.5	ug/L	06/25/2005 18:29	
Ethylbenzene	ND	0.5	ug/L	06/25/2005 18:29	
Total xylenes	ND	1.0	ug/L	06/25/2005 18:29	
Ethanol	ND	50	ug/L	06/25/2005 18:29	
Surrogates(s)					
1,2-Dichloroethane-d4	104.0	73-130	%	06/25/2005 18:29	
Toluene-d8	98.0	81-114	%	06/25/2005 18:29	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: BTS#050616-MD2
98995744

Received: 06/16/2005 17:17

Site: 9750 Golf Links Rd., Oakland

Batch QC Report			
Prep(s): 8260B	Water	Test(s): 8260B	
Method: Blank		QC Batch #: 2005/06/27/1C 62	
MB: 2005/06/27 1C 62-049		Date Extracted: 06/27/2005 07:49	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	06/27/2005 07:49	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	06/27/2005 07:49	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	06/27/2005 07:49	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	06/27/2005 07:49	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	06/27/2005 07:49	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	06/27/2005 07:49	
1,2-DCA	ND	0.5	ug/L	06/27/2005 07:49	
EDB	ND	0.5	ug/L	06/27/2005 07:49	
Benzene	ND	0.5	ug/L	06/27/2005 07:49	
Toluene	ND	0.5	ug/L	06/27/2005 07:49	
Ethylbenzene	ND	0.5	ug/L	06/27/2005 07:49	
Total xylenes	ND	1.0	ug/L	06/27/2005 07:49	
Ethanol	ND	50	ug/L	06/27/2005 07:49	
Surrogates(s)					
1,2-Dichloroethane-d4	100.6	73-130	%	06/27/2005 07:49	
Toluene-d8	97.8	81-114	%	06/27/2005 07:49	

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#050616-MD2
98995744

Received: 06/16/2005 17:17

Site: 9750 Golf Links Rd., Oakland

Batch QC Report			
Prep(s): 8260B			QC Batch # 8260B
Laboratory Control Spike	Water	QC Batch # 2005/06/25-2B-62	
2005/06/25-2B-62-003	Extracted: 06/25/2005	Analyzed: 06/25/2005 18:03	
LCSD:			

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	17.3		25	69.2			65-165	20		
Benzene	17.5		25	70.0			69-129	20		
Toluene	19.1		25	76.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	481		500	96.2			73-130			
Toluene-d8	469		500	93.8			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: BTS#050616-MD2

98995744

Received: 06/16/2005 17:17

Site: 9750 Golf Links Rd., Oakland

Batch QC Report			
Prep(s): 60305			QC Batch # 8260B
Laboratory Control Spike		Water	QC Batch # 2005/06/27-1C-62
LCS 2005/06/27-1C-62-07		Extracted: 06/27/2005	Analyzed: 06/27/2005 07:28
LCSD			

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	23.0		25	92.0			65-165	20		
Benzene	23.7		25	94.8			69-129	20		
Toluene	23.1		25	92.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	489		500	97.8			73-130			
Toluene-d8	498		500	99.6			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: BTS#050616-MD2
98995744

Received: 06/16/2005 17:17

Site: 9750 Golf Links Rd., Oakland

Batch QC Report			
Prep(s)	5030B	Matrix	Water
Matrix Spike (MS / MSD)		QC Batch #	2005/06/25-2B-62
MS/MSD		Lab ID	2005-06-0379-002
MS	2005/06/25-2B-62-051	Extracted	06/25/2005
MSD	2005/06/25-2B-62-017	Extracted	06/25/2005
		Analyzed	06/25/2005 21:17
		Dilution	1.00
		Analyzed	06/25/2005 21:17
		Dilution	1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	17.9	17.9	ND	25	71.6	71.6	0.0	65-165	20		
Benzene	18.5	17.4	ND	25	74.0	69.6	6.1	69-129	20		
Toluene	19.1	18.8	ND	25	76.4	75.2	1.6	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	496	530		500	99.2	106.0		73-130			
Toluene-d8	488	487		500	97.6	97.4		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: BTS#050616-MD2
98995744

Received: 06/16/2005 17:17

Site: 9750 Golf Links Rd., Oakland

Batch GC Report			
Prog(s): 5030B			Test(s): 8260B
Matrix Spike (MS / MSD)	Water		GC Batch # 2005/06/27-10-62
MS/MSD			Lab ID: 2005-06-0502-009
MS: 2005/06/27-10-62-007	Extracted: 06/27/2005		Analyzed: 06/27/2005 10:07
			Dilution: 1.00
MSD: 2005/06/27-10-62-038	Extracted: 06/27/2005		Analyzed: 06/27/2005 10:33
			Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	22.4	23.2	ND	25	89.6	92.8	3.5	65-165	20		
Benzene	22.5	23.6	ND	25	90.0	94.4	4.8	69-129	20		
Toluene	22.8	23.8	ND	25	91.2	95.2	4.3	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	481	487		500	96.2	97.4		73-130			
Toluene-d8	499	492		500	99.8	98.4		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: BTS#050616-MD2
98995744

Received: 06/16/2005 17:17

Site: 9750 Golf Links Rd., Oakland

Legend and Notes

Analysis Flag

L2

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

Alcohols by GC-FID

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#050616-MD2
98995744

Received: 06/16/2005 17:17

Site: 9750 Golf Links Rd., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
S-1	06/16/2005 14:20	Water	1
S-2	06/16/2005 13:00	Water	2
S-4	06/16/2005 14:00	Water	3
S-5	06/16/2005 14:10	Water	4

Alcohols by GC-FID

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
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Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050616-MD2
98995744

Received: 06/16/2005 17:17

Site: 9750 Golf Links Rd., Oakland

Prep(s):	8015M Alcohols	Prep(s):	8015M3d
Sample ID:	S-1	Lab ID:	2005-09-0608-1
Sampled:	06/16/2005 14:20	Extracted:	6/28/2005 13:25
Matrix:	Water	GC Batch#:	2005/06/28-04-20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	2.8	0.50	mg/L	1.00	06/28/2005 13:25	
<i>Surrogate(s)</i> n-Butyl alcohol	106.5	60-130	%	1.00	06/28/2005 13:25	

Alcohols by GC-FID

Blaine Tech Services, Inc.

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San Jose, CA 95112-1105

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Project: BTS#050616-MD2
98995744

Received: 06/16/2005 17:17

Site: 9750 Golf Links Rd., Oakland

Prep(s):	8015M Alcohols	ESI(s):	8013Meth
Sample ID:	S-2	Lab ID:	2005-06-0505-2
Sampled:	06/16/2005 13:00	Extracted:	06/28/2005 13:40
Matrix:	Water	QC Batch:	2005/06/28-01-20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	0.50	mg/L	1.00	06/28/2005 13:40	
Surrogate(s) n-Butyl alcohol	109.4	60-130	%	1.00	06/28/2005 13:40	

Alcohols by GC-FID

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#050616-MD2
98995744

Received: 06/16/2005 17:17

Site: 9750 Golf Links Rd., Oakland

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	S-4	Lab ID:	2005-06-0505-3
Sampled:	06/16/2005 14:00	Extracted:	06/23/2005 13:55
Matrix:	Water	GC Batch#:	2005-06/28-01-20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	0.50	mg/L	1.00	06/28/2005 13:55	
<i>Surrogate(s)</i> n-Butyl alcohol	116.3	60-130	%	1.00	06/28/2005 13:55	

Alcohols by GC-FID

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#050616-MD2
98995744

Received: 06/16/2005 17:17

Site: 9750 Golf Links Rd., Oakland

Prep(s):	80/15M Alcohol	Test(s):	80/15M Alcohol
Sample ID:	S-5	Lab ID:	2005-06-0505-4
Sampled:	06/16/2005 14:10	Extracted:	6/28/2005 14:10
Matrix:	Water	QC Batch#:	2005/06/28-0120

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	0.50	mg/L	1.00	06/28/2005 14:10	
<i>Surrogate(s)</i> n-Butyl alcohol	113.6	60-130	%	1.00	06/28/2005 14:10	

Alcohols by GC-FID

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#050616-MD2
98995744

Received: 06/16/2005 17:17

Site: 9750 Golf Links Rd., Oakland

Batch QC Report					
Prep(s): 80-15M Alcohols				Test(s): 80-15M Alcohols	
Method: Blank		Water		QC Batch #: 2005/06/28-01/20	
MB: 2005/06/28-01/20/001				Date Extracted: 06/28/2005 12:55	

Compound	Conc.	RL	Unit	Analyzed	Flag
Methanol	ND	0.50	mg/L	06/28/2005 12:55	
Surrogates(s) n-Butyl alcohol	87.6	60-130	%	06/28/2005 12:55	

Alcohols by GC-FID

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#050616-MD2

98995744

Received: 06/16/2005 17:17

Site: 9750 Golf Links Rd., Oakland

Batch QC Report			
Prep(s): 001-M Alcohols			Ref(s): 8015Mod
Laboratory Control Spike	Water		QC Batch#: 2005/06/28-01-20
LCS: 2005/06/28-01-20-002	Extracted: 06/28/2005		Analyzed: 06/28/2005 12:25
LCSD: 2005/06/28-01-20-003	Extracted: 06/28/2005		Analyzed: 06/28/2005 12:40

Compound	Conc. mg/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methanol	51.5	45.9	50.0	103.0	91.8	11.5	60-130	25		
Surrogates(s) n-Butyl alcohol	43.6	46.7	50	87.2	93.4		60-130	0		

Alcohols by GC-FID

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#050616-MD2
98995744

Received: 06/16/2005 17:17

Site: 9750 Golf Links Rd., Oakland

Batch QC Report			
Prep(s):	80:15M Alcohols	Tas(s):	8015Mod
Matrix Spike (MS/MSD)	Water	GC Batch #	2005/06/28-01-20
S-5 >> MS		Lab ID	2005-06-0505-004
MS	2005/06/28-01-26-004	Extracted:	06/28/2005 14:24
		Analyzed	06/28/2005 14:29
		Dilution	1.00
MSD	2005/06/28-01-20-005	Extracted:	06/28/2005 14:29
		Analyzed	06/28/2005 14:29
		Dilution	1.00

Compound	Conc. mg/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methanol	58.8	57.1	ND	50.0	117.6	114.2	2.9	60-130	25		
Surrogate(s) n-Butyl alcohol	57.7	57.7		50	115.4	115.4		60-130	0		

Blaine Tech Services, Inc.

August 09, 2005

1680 Rogers Avenue
San Jose, CA 95112-1105
Attn.: Leon Gearhart
Project#: 050802-SS3
Project: 98995744
Site: 9750 Golf Links Rd., Oakland

Dear Mr. Gearhart,

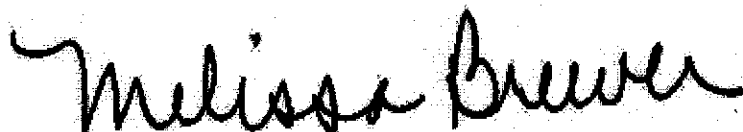
Attached is our report for your samples received on 08/03/2005 11:45
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after
09/17/2005 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
Project Manager

Alcohols by GC-FID

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 050802-SS3
98995744

Received: 08/03/2005 11:45

Site: 9750 Golf Links Rd., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
S-1	08/02/2005 14:08	Water	1

Alcohols by GC-FID

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 050802-SS3

98995744

Received: 08/03/2005 11:45

Site: 9750 Golf Links Rd., Oakland

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	5-1	Lab ID:	2005-08-0097-1
Sampled:	08/02/2005 14:08	Extracted:	8/5/2005 15:19
Matrix:	Water	GC Batch#:	2005/08/05-01-20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	0.50	mg/L	1.00	08/05/2005 15:19	
<i>Surrogate(s)</i> n-Butyl alcohol	115.9	60-130	%	1.00	08/05/2005 15:19	

Alcohols by GC-FID

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 050802-SS3
98995744

Received: 08/03/2005 11:45

Site: 9750 Golf Links Rd., Oakland

Batch GC Report	
Prep(s): 8015M Alcohols	Post(s): 8013Mod
Method: Blank	Water
MB: 2005/08/05-01-20-006	QC Batch #: 2005/08/05-01-20
	Date Extracted: 08/05/2005 11:48

Compound	Conc.	RL	Unit	Analyzed	Flag
Methanol	ND	0.50	mg/L	08/05/2005 11:48	
Surrogates(s) n-Butyl alcohol	79.4	60-130	%	08/05/2005 11:48	

Alcohols by GC-FID

Blaine Tech Services, Inc.

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

Project: 050802-SS3
98995744

Received: 08/03/2005 11:45

Site: 9750 Golf Links Rd., Oakland

Batch QC Report		
Prep(s): 8015M Alcohols	Test(s): 8015M Alcohols	
Laboratory Control Spike	Water	QC Batch # 2005/08/05-01.20
LCS: 2005/08/05-01.20-002	Extracted: 08/05/2005	Analyzed: 08/05/2005-11:18
LCSD: 2005/08/05-01.20-003	Extracted: 08/05/2005	Analyzed: 08/05/2005-11:33

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methanol	51.0	47.0	50.0	102.0	94.0	8.2	60-130	25		
Surrogates(s)										
n-Butyl alcohol	35.9	42.4	50	71.8	84.8		60-130	0		

Alcohols by GC-FID

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 050802-SS3

98995744

Received: 08/03/2005 11:45

Site: 9750 Golf Links Rd., Oakland

Batch QC Report			
Prep(s):	0015M Alcohols	Test(s):	0015Mod
Matrix Spike (MS / MSD)	Water	QC Batch #	2005/08/05-01.20
MS/MSD		Lab ID	2005-08-0035-0115
MS:	2005/08/05-01.20-004	Extracted:	08/05/2005
		Analyzed:	08/05/2005 12:35
		Dilution:	1.00
MSD:	2005/08/05-01.20-005	Extracted:	08/05/2005
		Analyzed:	08/05/2005 12:50
		Dilution:	1.00

Compound	Conc. mg/L			Spk.Level mg/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methanol	53.2	58.0	ND	50.0	106.4	116.0	8.6	60-130	25		
<i>Surrogate(s)</i> n-Butyl alcohol	51.9	54.6		50	103.8	109.2		60-130	0		

LAB: STL

SHELL Chain Of Custody Record

117275

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be Invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CHPT HOUSTON

Denis Brown

2005-08-0097

INCIDENT NUMBER (SEE ONLY)

9 8 9 9 5 7 4 4

SAMPLE CREDIT NUMBER (S/CREDIT)

DATE: 8/2/05

PAGE: 1 of 1

SAMPLES COMPANY: **Blaine Tech Services**

LOG CODE: **BTSS**

ADDRESS: **1680 Rogers Avenue, San Jose, CA 95112**

PHONE CONTACT (Minimum to PDF Report): **Leon Gearhart**

TELEPHONE: **408-573-0555** FAX: **408-573-7771** E-MAIL: **lgearhart@blainetech.com**

SITE ADDRESS (Street and City): **9750 Golf Links Rd., Oakland**

EDS DELIVERABLE TO (Responsible Person or Grades): **Ana Frital**

PHONE NO.: **(707) 268-3812**

SAMPLER NAME(S) (P#): **SUCKER SUNG**

GLOBAL ID NO.: **T0600101931**

EMAIL: **leon@blainetech.com**

CONSULTANT PROJECT NO.: **010802-855**

BTB #

LAB USE ONLY

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

LA - RINQCE REPORT FORMAT LIST AGENCY

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST PM BOILING _____ ALL _____

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

REQUESTED ANALYSIS

TPH - Gas, Purgeable	BTEX	MTBE (60218 - Spill RL)	MTBE (62088 - 0.5ppm RL)	Oxyanates (6) by (62408)	Ethanol (62408)	Methanol	1,2-DCA (66608)	ED9 (66608)	TPH - Diesel, Extractable (6015m)
						X			

FIELD NOTES:

Continuation/Preservative or PID Readings or Laboratory Notes

3

TEMPERATURE ON RECEIPT: _____

Lab Use Only	Field Sample Identification		SAMPLING		MTRK	IS OF EDP
	DATE	TIME				
	S-1	8/2/05	1408	GN	3	

Requested by: (Signature) *[Signature]*

Approved by: (Signature) *[Signature]*

Requested by: (Signature) *[Signature]*

Received by: (Signature) *[Signature]*

Sample Custodian

Received by: (Signature) *[Signature]*

Date	Time
8/2/05	1510
8/3/05	1145
8/3/05	1635

Shell Chemicals (U.S.A.) Inc.