

RECEIVED

11:32 am, Jun 20, 2007

Alameda County
Environmental Health



Denis L. Brown

Shell Oil Products US

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

HSE – Environmental Services
20945 S. Wilmington Ave.
Carson, CA 90810-1039
Tel (707) 865 0251
Fax (707) 865 2542
Email denis.l.brown@shell.com

Re: Shell-branded Service Station
3600 Park Boulevard
Oakland, California
SAP Code 135689
Incident No. 97610341
ACHCSA Case No. RO0002855

Dear Mr. Wickham:

The attached document is provided for your review and comment. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

If you have any questions or concerns, please call me at (707) 865-0251.

Sincerely,

A handwritten signature in black ink, appearing to read "Denis L. Brown", is written over a horizontal line.

Denis L. Brown
Project Manager

June 14, 2007

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 2007**

Shell-branded Service Station
3600 Park Boulevard
Oakland, California
SAP Code 135689
Incident No. 97610341
Agency Case No. RO0002855

Dear Mr. Wickham:

Conestoga-Rovers & Associates (CRA) 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.

If you have any questions regarding the contents of this document, please call Dennis Baertschi at (707) 268-3813.

Sincerely,

Conestoga-Rovers & Associates



Dennis Baertschi
Project Geologist

Ana Friel, PG
Associate Geologist

Enclosure: Groundwater Monitoring Report – Second Quarter 2007

cc: Mr. Denis Brown, Shell



GROUNDWATER MONITORING REPORT – SECOND QUARTER 2007

Site Address	<u>3600 Park Boulevard, Oakland</u>
Site Use	<u>Shell-branded Service Station</u>
Shell Project Manager	<u>Denis Brown</u>
Consultant and Contact Person	<u>CRA, Dennis Baertschi</u>
Lead Agency and Contact	<u>ACHCSA, Jerry Wickham</u>
Agency Case No.	<u>RO0002855</u>
Shell SAP Code	<u>135689</u>
Shell Incident No.	<u>97610341</u>
Date of Most Recent Agency Correspondence	<u>April 18, 2006</u>

Current Quarter's Activities

1. Blaine Tech Services, Inc. (Blaine) gauged and sampled wells according to the established monitoring program for this site.
2. CRA prepared a vicinity map (Figure 1) and a groundwater contour and chemical concentration map (Figure 2). The Blaine report, presenting the analytical data, is included in Attachment A.

Current Quarter's Findings

Groundwater Flow Direction	<u>West-northwesterly</u>
Hydraulic Gradient	<u>0.09</u>
Depth to Water	<u>4.23 to 14.54 feet below top of well casing</u>

Proposed Activities for Next Quarter

1. Blaine will gauge and sample wells during the first month of the quarter and will tabulate the data, and CRA will prepare a groundwater monitoring report.



**CONESTOGA-ROVERS
& ASSOCIATES**

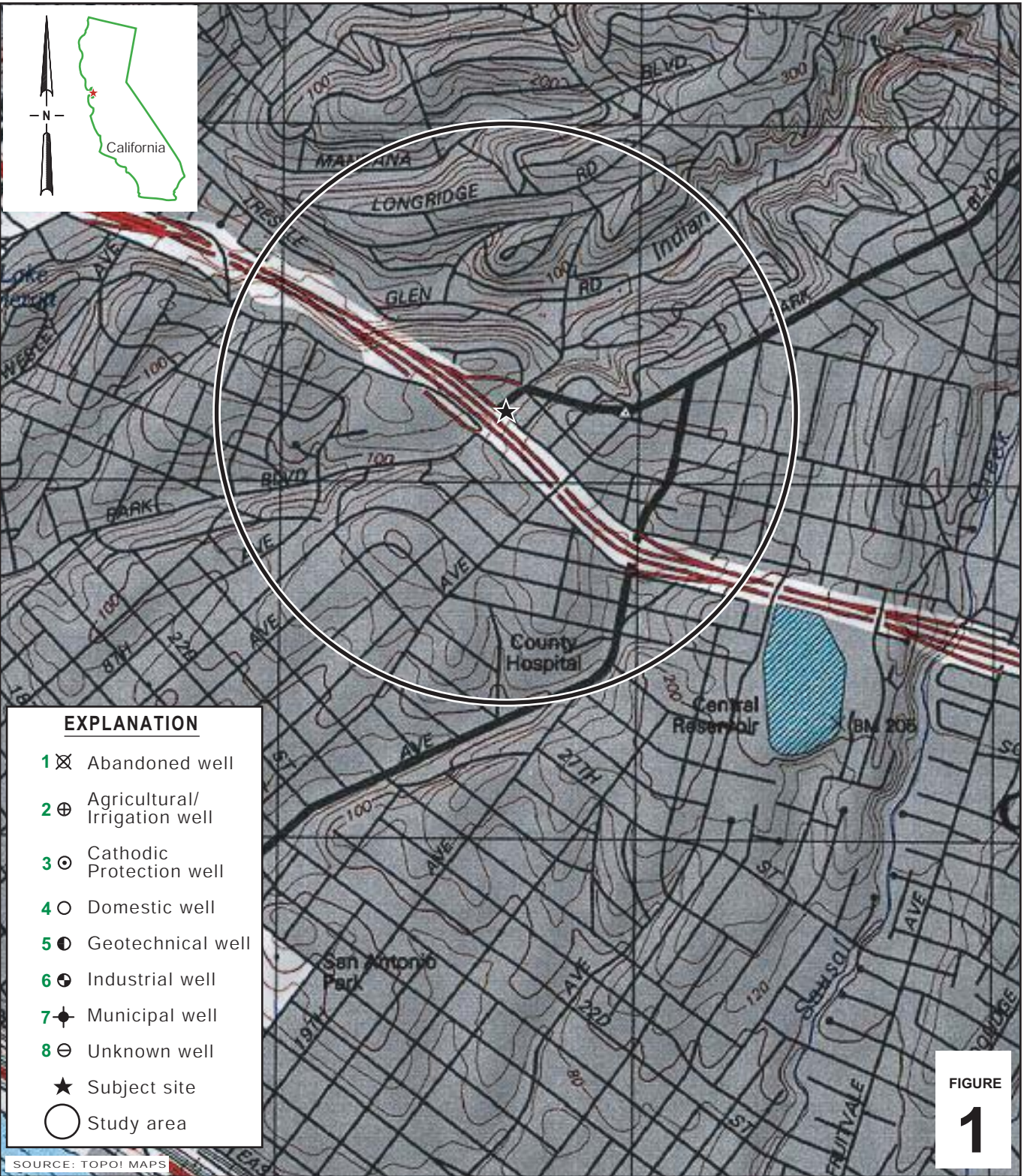
Mr. Jerry Wickham
June 14, 2007

Figures: 1 - Vicinity Map
 2 - Groundwater Contour and Chemical Concentration Map

Attachment: A - Blaine Tech Services, Inc. - Groundwater Monitoring Report

Conestoga-Rovers & Associates (CRA) prepared this document for use by our client and appropriate regulatory agencies. It is based partially on information available to CRA from outside sources and/or in the public domain, and partially on information supplied by CRA and its subcontractors. CRA makes no warranty or guarantee, expressed or implied, included or intended in this document, with respect to the accuracy of information obtained from these outside sources or the public domain, or any conclusions or recommendations based on information that was not independently verified by CRA. This document represents the best professional judgment of CRA. None of the work performed hereunder constitutes or shall be represented as a legal opinion of any kind or nature.

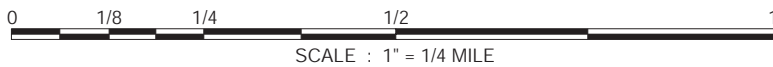
I:\Sonoma.Shell\Oakland 3600 Park\QMR\2007\2Q07\2Q07 text with ACHCSA perjury.doc



EXPLANATION

- 1 ⊗ Abandoned well
- 2 ⊕ Agricultural/Irrigation well
- 3 ⊙ Cathodic Protection well
- 4 ○ Domestic well
- 5 ● Geotechnical well
- 6 ⊕ Industrial well
- 7 ⊕ Municipal well
- 8 ⊖ Unknown well
- ★ Subject site
- Study area

FIGURE 1



I:\SONOMA_SHELL\OAKLAND_3600_PARK\FIGURES\VICINITY.A1

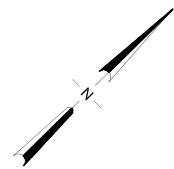
Shell-branded Service Station

3600 Park Boulevard
Oakland, California



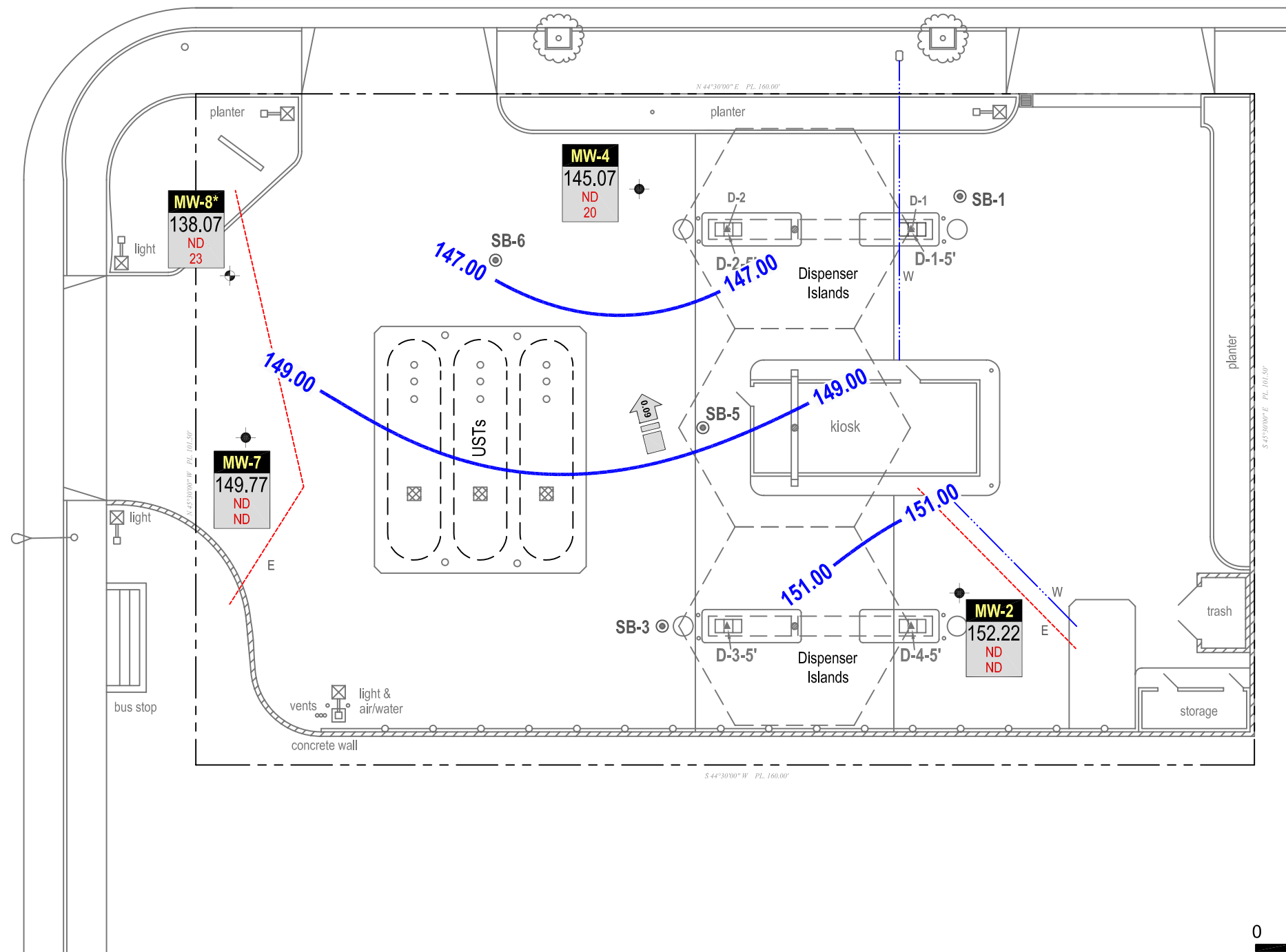
**CONESTOGA-ROVERS
& ASSOCIATES**

Vicinity Map



PARK BOULEVARD

CHATHAM ROAD



EXPLANATION

- MW-2** ● Monitoring well location
- MW-8*** ◆ Monitoring well with different screen interval; not used for contouring
- SB-1** ◎ Soil boring location (1/3-6/06)
- D-1-5'** ▲ Dispenser soil sample location (8/20/04)
- D-1** ● Dispenser soil sample location (02/20/98)
- Electrical line (E)
- Water line (W)
- x.xx Groundwater flow direction and gradient
- xx.xx Groundwater elevation contour, in feet above mean sea level (msl)

Well

- Well designation
- ELEV Groundwater elevation, in feet above msl
- Benzene Benzene and MTBE concentrations are in micrograms per liter
- MTBE

Notes:
ND = Not detected

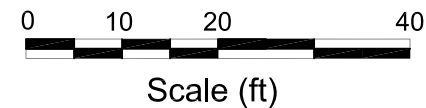


FIGURE
2

Groundwater Contour and
Chemical Concentration Map



Shell-branded Service Station

3600 Park Boulevard
Oakland, California

April 2, 2007

Attachment A

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

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

May 14, 2007

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

Second Quarter 2007 Groundwater Monitoring at
Shell-branded Service Station
3600 Park Boulevard
Oakland, CA

Monitoring performed on April 2, 2007

Groundwater Monitoring Report **070402-DW-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,

Mike Ninokata
Project Manager

MN/ks

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

cc: Denis Baertschi
Conestoga-Rovers & Associates
19449 Riverside Dr., Suite 230
Sonoma, CA 95476

WELL CONCENTRATIONS
Shell Service Station
3600 Park Boulevard
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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
---------	------	----------------	-------------	-------------	-------------	-------------	------------------------	----------------	----------------	----------------	---------------	-----------------------	---------------	--------------	----------------------------	--------------------------

MW-2	01/12/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.92	11.62	145.30
MW-2	01/19/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.92	8.72	148.20
MW-2	01/24/2006	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	156.92	11.23	145.69
MW-2	04/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	2.53	<0.500	156.92	4.43	152.49
MW-2	07/11/2006	<50.0	<0.500	<0.500	<0.500	<1.50	<0.500	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	156.92	4.48	152.44
MW-2	10/26/2006	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	156.92	4.64	152.28
MW-2	01/19/2007	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<0.50	<0.50	156.92	4.73	152.19
MW-2	04/02/2007	<50 a	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	<0.50	<1.0	156.92	4.70	152.22

MW-4	01/12/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	155.00	9.43	145.57
MW-4	01/19/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	155.00	9.45	145.55
MW-4	01/24/2006	1,330	<0.500	<0.500	<0.500	<0.500	762	<0.500	<0.500	1.72	<10.0	1.35	<0.500	155.00	9.92	145.08
MW-4	04/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	72.7	<0.500	<0.500	<0.500	<10.0	1.00	<0.500	155.00	9.33	145.67
MW-4	07/11/2006	<50.0	<0.500	<0.500	<0.500	<0.500	38.8	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	155.00	9.68	145.32
MW-4	10/26/2006	<50.0	<0.500	<0.500	<0.500	<0.500	39.8	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	155.00	10.28	144.72
MW-4	01/19/2007	<50	<0.50	<0.50	<0.50	<1.0	28	<1.0	<1.0	<1.0	<10	0.68	<0.50	155.00	10.26	144.74
MW-4	04/02/2007	<50 a	<0.50	<1.0	<1.0	<1.0	20	<2.0	<2.0	<2.0	<10	0.39 b	<1.0	155.00	9.93	145.07

MW-7	01/12/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.00	5.97	148.03
MW-7	01/19/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.00	6.40	147.60
MW-7	01/24/2006	<50.0	<0.500	<0.500	<0.500	<0.500	3.08	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	154.00	9.64	144.36
MW-7	04/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	0.690	<0.500	<0.500	<0.500	<10.0	2.32	<0.500	154.00	3.49	150.51
MW-7	07/11/2006	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	154.00	3.96	150.04
MW-7	10/26/2006	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	154.00	5.11	148.89
MW-7	01/19/2007	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<0.50	<0.50	154.00	4.62	149.38
MW-7	04/02/2007	<50 a	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	<0.50	<1.0	154.00	4.23	149.77

MW-8	01/12/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	152.61	16.84	135.77
------	------------	----	----	----	----	----	----	----	----	----	----	----	----	--------	-------	--------

WELL CONCENTRATIONS
Shell Service Station
3600 Park Boulevard
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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-8	01/19/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	152.61	16.00	136.61
MW-8	01/24/2006	1,120	<0.500	<0.500	<0.500	<0.500	592	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	152.61	17.08	135.53
MW-8	04/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	26.4	<0.500	<0.500	<0.500	<10.0	2.32	<0.500	152.61	12.97	139.64
MW-8	07/11/2006	<50.0	<0.500	<0.500	<0.500	<0.500	16.8	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	152.61	12.91	139.70
MW-8	10/26/2006	<50.0	<0.500	<0.500	<0.500	<0.500	6.09	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	152.61	14.28	138.33
MW-8	01/19/2007	<50	<0.50	<0.50	<0.50	<1.0	8.3	<1.0	<1.0	<1.0	<10	<0.50	<0.50	152.61	14.45	138.16
MW-8	04/02/2007	<50 a	<0.50	<1.0	<1.0	<1.0	23	<2.0	<2.0	<2.0	<10	<0.50	<1.0	152.61	14.54	138.07

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

WELL CONCENTRATIONS
Shell Service Station
3600 Park Boulevard
Oakland, CA

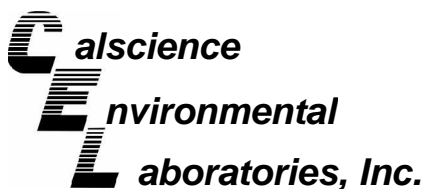
Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2- DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
---------	------	----------------	-------------	-------------	-------------	-------------	------------------------	----------------	----------------	----------------	---------------	-----------------------	---------------	--------------	----------------------------	--------------------------

Notes:

a = Analyzed by EPA Method 8015B (M).

b = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

Site surveyed on February 2, 2006 by Virgil Chavez Land Surveying of Vallejo, CA.



April 10, 2007

Michael Ninokata
Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Subject: **Calscience Work Order No.: 07-04-0229**
Client Reference: 3600 Park Blvd., Oakland, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 4/4/2007 and analyzed in accordance with the attached chain-of-custody.

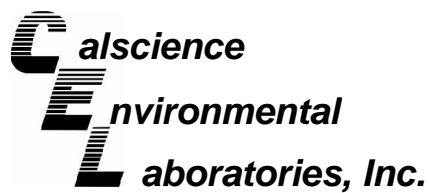
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read "Don Burley".

Calscience Environmental
Laboratories, Inc.
Don Burley
Project Manager



Analytical Report



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 04/04/07
Work Order No: 07-04-0229
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: 3600 Park Blvd., Oakland, CA

Page 1 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-2	07-04-0229-1	04/02/07	Aqueous	GC 21	04/05/07	04/06/07	070405B02

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Gasoline	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	96	38-134			

MW-4	07-04-0229-2	04/02/07	Aqueous	GC 21	04/05/07	04/06/07	070405B02
-------------	---------------------	-----------------	----------------	--------------	-----------------	-----------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Gasoline	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	95	38-134			

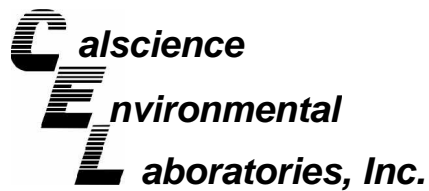
MW-7	07-04-0229-3	04/02/07	Aqueous	GC 21	04/05/07	04/06/07	070405B02
-------------	---------------------	-----------------	----------------	--------------	-----------------	-----------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Gasoline	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	96	38-134			

MW-8	07-04-0229-4	04/02/07	Aqueous	GC 21	04/05/07	04/06/07	070405B02
-------------	---------------------	-----------------	----------------	--------------	-----------------	-----------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Gasoline	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	94	38-134			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 04/04/07
Work Order No: 07-04-0229
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: 3600 Park Blvd., Oakland, CA

Page 2 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-12-436-274	N/A	Aqueous	GC 21	04/05/07	04/05/07	070405B02

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Gasoline	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	101	38-134			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 04/04/07
Work Order No: 07-04-0229
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: 3600 Park Blvd., Oakland, CA

Page 1 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-2	07-04-0229-1	04/02/07	Aqueous	GC/MS U	04/07/07	04/07/07	070407L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.19	1		o-Xylene	ND	1.0	0.17	1	
1,2-Dibromoethane	ND	1.0	0.41	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.25	1		Tert-Butyl Alcohol (TBA)	ND	10	9.2	1	
Ethylbenzene	ND	1.0	0.13	1		Diisopropyl Ether (DIPE)	ND	2.0	0.39	1	
Toluene	ND	1.0	0.23	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.46	1	
p/m-Xylene	ND	1.0	0.27	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.50	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>
Dibromofluoromethane	112	74-140				1,2-Dichloroethane-d4	117	74-146			
Toluene-d8	108	88-112				1,4-Bromofluorobenzene	101	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-4	07-04-0229-2	04/02/07	Aqueous	GC/MS U	04/07/07	04/07/07	070407L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

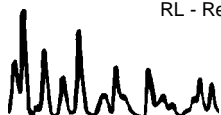
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.19	1		o-Xylene	ND	1.0	0.17	1	
1,2-Dibromoethane	ND	1.0	0.41	1		Methyl-t-Butyl Ether (MTBE)	20	1.0	0.23	1	
1,2-Dichloroethane	0.39	0.50	0.25	1	J	Tert-Butyl Alcohol (TBA)	ND	10	9.2	1	
Ethylbenzene	ND	1.0	0.13	1		Diisopropyl Ether (DIPE)	ND	2.0	0.39	1	
Toluene	ND	1.0	0.23	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.46	1	
p/m-Xylene	ND	1.0	0.27	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.50	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>
Dibromofluoromethane	112	74-140				1,2-Dichloroethane-d4	117	74-146			
Toluene-d8	108	88-112				1,4-Bromofluorobenzene	101	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-7	07-04-0229-3	04/02/07	Aqueous	GC/MS U	04/07/07	04/07/07	070407L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.19	1		o-Xylene	ND	1.0	0.17	1	
1,2-Dibromoethane	ND	1.0	0.41	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.25	1		Tert-Butyl Alcohol (TBA)	ND	10	9.2	1	
Ethylbenzene	ND	1.0	0.13	1		Diisopropyl Ether (DIPE)	ND	2.0	0.39	1	
Toluene	ND	1.0	0.23	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.46	1	
p/m-Xylene	ND	1.0	0.27	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.50	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>
Dibromofluoromethane	108	74-140				1,2-Dichloroethane-d4	109	74-146			
Toluene-d8	106	88-112				1,4-Bromofluorobenzene	97	74-110			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 04/04/07
Work Order No: 07-04-0229
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: 3600 Park Blvd., Oakland, CA

Page 2 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-8	07-04-0229-4	04/02/07	Aqueous	GC/MS U	04/07/07	04/07/07	070407L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

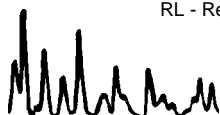
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.19	1		o-Xylene	ND	1.0	0.17	1	
1,2-Dibromoethane	ND	1.0	0.41	1		Methyl-t-Butyl Ether (MTBE)	23	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.25	1		Tert-Butyl Alcohol (TBA)	ND	10	9.2	1	
Ethylbenzene	ND	1.0	0.13	1		Diisopropyl Ether (DIPE)	ND	2.0	0.39	1	
Toluene	ND	1.0	0.23	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.46	1	
p/m-Xylene	ND	1.0	0.27	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.50	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	112	74-140				1,2-Dichloroethane-d4	115	74-146			
Toluene-d8	108	88-112				1,4-Bromofluorobenzene	98	74-110			

Method Blank	099-10-006-20,956	N/A	Aqueous	GC/MS U	04/07/07	04/07/07	070407L01
--------------	-------------------	-----	---------	---------	----------	----------	-----------

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.19	1		o-Xylene	ND	1.0	0.17	1	
1,2-Dibromoethane	ND	1.0	0.41	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.25	1		Tert-Butyl Alcohol (TBA)	ND	10	9.2	1	
Ethylbenzene	ND	1.0	0.13	1		Diisopropyl Ether (DIPE)	ND	2.0	0.39	1	
Toluene	ND	1.0	0.23	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.46	1	
p/m-Xylene	ND	1.0	0.27	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.50	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	116	74-140				1,2-Dichloroethane-d4	119	74-146			
Toluene-d8	105	88-112				1,4-Bromofluorobenzene	100	74-110			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





Quality Control - Spike/Spike Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 04/04/07
Work Order No: 07-04-0229
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project 3600 Park Blvd., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-04-0281-1	Aqueous	GC 21	04/05/07	04/05/07	070405S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	100	94	68-122	7	0-18	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

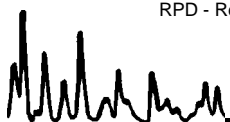
Date Received: 04/04/07
Work Order No: 07-04-0229
Preparation: EPA 5030B
Method: EPA 8260B

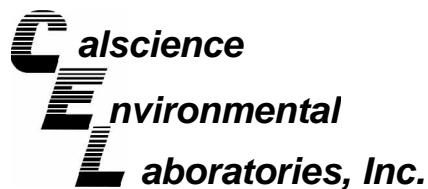
Project 3600 Park Blvd., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-04-0205-6	Aqueous	GC/MS U	04/07/07	04/07/07	070407S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	108	108	88-118	0	0-7	
Carbon Tetrachloride	112	114	67-145	2	0-11	
Chlorobenzene	107	106	88-118	1	0-7	
1,2-Dichlorobenzene	106	106	86-116	0	0-8	
1,1-Dichloroethene	107	111	70-130	4	0-25	
Toluene	99	102	87-123	3	0-8	
Trichloroethene	108	110	79-127	2	0-10	
Vinyl Chloride	104	110	69-129	6	0-13	
Methyl-t-Butyl Ether (MTBE)	124	128	71-131	2	0-13	
Tert-Butyl Alcohol (TBA)	139	144	36-168	2	0-45	
Diisopropyl Ether (DIPE)	111	112	81-123	1	0-9	
Ethyl-t-Butyl Ether (ETBE)	110	112	72-126	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	108	110	72-126	2	0-12	
Ethanol	110	111	53-149	1	0-31	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

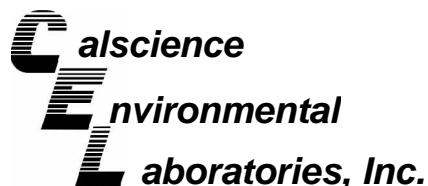
Date Received: N/A
Work Order No: 07-04-0229
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: 3600 Park Blvd., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-274	Aqueous	GC 21	04/05/07	04/05/07	070405B02

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	111	111	78-120	0	0-10	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

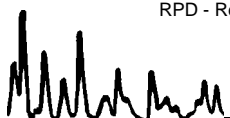
Date Received: N/A
Work Order No: 07-04-0229
Preparation: EPA 5030B
Method: EPA 8260B

Project: 3600 Park Blvd., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-20,956	Aqueous	GC/MS U	04/07/07	04/07/07	070407L01

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Benzene	102	103	84-120	1	0-8	
Carbon Tetrachloride	101	103	63-147	2	0-10	
Chlorobenzene	102	102	89-119	0	0-7	
1,2-Dichlorobenzene	103	104	89-119	1	0-9	
1,1-Dichloroethene	98	99	77-125	2	0-16	
Toluene	100	100	83-125	0	0-9	
Trichloroethene	102	104	89-119	2	0-8	
Vinyl Chloride	97	99	63-135	2	0-13	
Methyl-t-Butyl Ether (MTBE)	103	106	82-118	3	0-13	
Tert-Butyl Alcohol (TBA)	104	113	46-154	9	0-32	
Diisopropyl Ether (DIPE)	102	104	81-123	2	0-11	
Ethyl-t-Butyl Ether (ETBE)	102	105	74-122	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	103	106	76-124	3	0-10	
Ethanol	106	113	60-138	6	0-32	

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 07-04-0229

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.



- LAB:
- TA - Irvine, California
 - TA - Morgan Hill, California
 - TA - Sacramento, California
 - TA - Nashville, Tennessee
 - Calscienc
 - Other _____



SH-LL Chain Of Custody Record

NAME OF PERSON TO BILL: Denis Brown

ENVIRONMENTAL SERVICES CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

NETWORK DEV / FE BILL CONSULTANT

COMPLIANCE RMT/CRMT

INCIDENT # (ES ONLY): 9 7 6 1 0 3 4 1

DATE: **4-2-07**

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

SAMPLING COMPANY: **Blaine Tech Services** LOG CODE: **BTSS**

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

PROJECT CONTACT (Hardcopy or PDF Report to): **Michael Ninokata**

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

SITE ADDRESS: Street and City: **3600 Park Blvd., Oakland** State: **CA** GLOBAL ID NO.: **T0600115417**

EDF DELIVERABLE TO (Name, Company, Office Location): **Dennis Baertschi, Cambria, Sonoma Office** PHONE NO.: **(707) 268-3813** E-MAIL: **sonomaedf@cambria-env.com** CONSULTANT PROJECT NO.: **070402-0W-1**

SAMPLER NAME(S) (Print): **Dave Walter** LAB USE ONLY: **07.04.0229**

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS):

STD 5 DAY 3 DAY 2 DAY 24 HOURS RESULTS NEEDED ON WEEKEND

LA - RWQCB REPORT FORMAT UST AGENCY: _____

SPECIAL INSTRUCTIONS OR NOTES:

EDD NOT NEEDED

SHELL CONTRACT RATE APPLIES

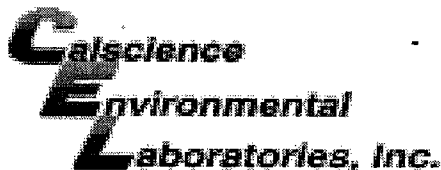
STATE REIMB RATE APPLIES

RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable (8260B)	TPH - Diesel, Extractable (8015M)	BTX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	TPH-motor oil (8015M)	TDS (160.1)	Total Iron (6010B)	Total Lead (6010B)	TEMPERATURE ON RECEIPT C°	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
		DATE	TIME																					
	1 MW-2	4-2	1035	W	5	X	X	X							X	X								
	2 MW-4	↓	1100	↓	↓	X	X	X							X	X								
	3 MW-7	↓	1045	↓	↓	X	X	X							X	X								
	4 MW-8	↓	1057	↓	↓	X	X	X							X	X								

Relinquished by: (Signature) <i>David C. Walter</i>	Received by: (Signature) <i>David P. Nalt (Sample Custodian)</i>	Date: 4-2-07	Time: 1610
Relinquished by: (Signature) <i>Shipped VIA GSO</i>	Received by: (Signature) <i>[Signature]</i>	Date: 4/3/07	Time: 1730
Relinquished by: (Signature)	Received by: (Signature) <i>[Signature]</i>	Date: 04-04-07	Time: 1100



WORK ORDER #: 07 - 04 - 0229

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Blaine Tech

DATE: 04.04.07

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- Chilled, cooler with temperature blank provided.
Chilled, cooler without temperature blank.
Chilled and placed in cooler with wet ice.
Ambient and placed in cooler with wet ice.
Ambient temperature.
C Temperature blank.

LABORATORY (Other than CalScience Courier):

- C Temperature blank.
3.4 C IR thermometer.
Ambient temperature.

Initial: SF

CUSTODY SEAL INTACT:

Sample(s): Cooler: No (Not Intact):

Not Present: SF

Initial: SF

SAMPLE CONDITION:

Table with 4 columns: Item, Yes, No, N/A. Rows include Chain-Of-Custody document(s), Sampler's name, Sample container label(s), Sample container(s) intact, Correct containers and volume, Proper preservation, VOA vial(s) free of headspace, Tedlar bag(s) free of condensation.

Initial: SF

COMMENTS:

Blank lines for handwritten comments.

SHELL WELL MONITORING DATA SHEET

BTS #: <u>070402-DW-1</u>	Site: <u>3600 Park Blvd</u>
Sampler: <u>DW</u>	Date: <u>4-2-07</u>
Well I.D.: <u>MW-2</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): <u>29.55</u>	Depth to Water (DTW): <u>4.70</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>9.67</u>	

Purge Method: Bailer Disposable Bailer Positive Air Displacement Electric Submersible

Watterra Peristaltic Extraction Pump Other

Sampling Method: Bailer Disposable Bailer Extraction Port Dedicated Tubing

Other:

<u>16.2</u> (Gals.) X <u>3</u> = <u>48.6</u> Gals. Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
<u>0833</u>	<u>64.4</u>	<u>6.2</u>	<u>1460</u>	<u>20</u>	<u>16.2</u>	
		<u>well dewatered @</u>		<u>20 g/s.</u>		
<u>1035</u>	<u>67.2</u>	<u>6.5</u>	<u>1486</u>	<u>41</u>	<u>-</u>	

Did well dewater? Yes No Gallons actually evacuated: 20

Sampling Date: 4-2-07 Sampling Time: 1035 Depth to Water: 24.98

Sample I.D.: MW-2 Laboratory: STL Other: Cal Science

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Oxy's, 1,2-DCA, EDB

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

SHELL WELL MONITORING DATA SHEET

BTS #: <u>070402-DW-1</u>	Site: <u>3600 Park Blvd</u>
Sampler: <u>DW</u>	Date: <u>4-2-07</u>
Well I.D.: <u>mw-4</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): <u>29.60</u>	Depth to Water (DTW): <u>9.93</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>13.86</u>	

Purge Method: <input type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Positive Air Displacement <input checked="" type="checkbox"/> Electric Submersible	Waterra <input type="checkbox"/> Peristaltic <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <input checked="" type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port <input type="checkbox"/> Dedicated Tubing Other: _____
---	---	--

$12.8 \text{ (Gals.)} \times 3 = 38.4 \text{ Gals.}$ I Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
0900	67.6	6.6	810	5	12.8	
		well dewatered @ 20 g/s.				
1100	68.5	6.8	816	32	—	

Did well dewater? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Gallons actually evacuated: <u>20</u>	
Sampling Date: <u>4-2-07</u>	Sampling Time: <u>1100</u>	Depth to Water: <u>24.70</u>
Sample I.D.: <u>mw-4</u>	Laboratory: STL Other <u>Cal Science</u>	
Analyzed for: <input checked="" type="checkbox"/> TPH-G <input checked="" type="checkbox"/> BTEX <input type="checkbox"/> MTBE <input type="checkbox"/> TPH-D	Other: <u>Oxy's, 1,2-DCA, EDB</u>	
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	

SHELL WELL MONITORING DATA SHEET

BTS #: 070402-DW-1	Site: 3600 Park Blvd
Sampler: DW	Date: 4-2-07
Well I.D.: mw-7	Well Diameter: 2 3 ④ 6 8
Total Well Depth (TD): 37.98	Depth to Water (DTW): 4.23
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVO Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.98	

Purge Method: Bailer	Waters: Peristaltic	Sampling Method: <input checked="" type="checkbox"/> Bailer
Disposable Bailer	Extraction Pump	Disposable Bailer
Positive Air Displacement	Other: _____	Extraction Port
<input checked="" type="checkbox"/> Electric Submersible		Dedicated Tubing
		Other: _____

$21.9 \text{ (Gals.)} \times 3 = 65.7 \text{ Gals.}$ I Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
0841	65.5	6.9	1200	7	22	
						well dewatered @ 28 gals.
1045	67.9	7.0	1222	38		

Did well dewater? <input checked="" type="checkbox"/> Yes No	Gallons actually evacuated: 28
Sampling Date: 4-2-07	Sampling Time: 1045 Depth to Water: 31.95
Sample I.D.: mw-7	Laboratory: STL Other: Cal Science
Analyzed for: <input checked="" type="checkbox"/> TPH-G <input checked="" type="checkbox"/> BTEX MTBE TPH-D	Other: Oxy's, 1,2-DCA, EDB
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

SHELL WELL MONITORING DATA SHEET

BTS #: <u>070402-DW-1</u>	Site: <u>3600 Park Blvd</u>
Sampler: <u>DW</u>	Date: <u>4-2-07</u>
Well I.D.: <u>mw-8</u>	Well Diameter: 2 3 <input checked="" type="radio"/> 6 8
Total Well Depth (TD): <u>49.48</u>	Depth to Water (DTW): <u>14.54</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <input checked="" type="radio"/> PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>21.52</u>	

Purge Method: Bailer	Waterra	Sampling Method: <input checked="" type="checkbox"/> Bailer
Disposable Bailer	Peristaltic	Disposable Bailer
Positive Air Displacement	Extraction Pump	Extraction Port
<input checked="" type="checkbox"/> Electric Submersible	Other	Dedicated Tubing
Other:		

<u>22.7</u> (Gals.) X <u>3</u> = <u>68.1</u> Gals. Case Volume Specified Volumes Calculated Volume	<table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
<u>0851</u>	<u>67.6</u>	<u>6.9</u>	<u>1119</u>	<u>5</u>	<u>22.7</u>	
						<u>well dewatered @ 32 gals.</u>
<u>1051</u>	<u>68.3</u>	<u>6.9</u>	<u>1175</u>	<u>49</u>	<u>-</u>	

Did well dewater? <input checked="" type="radio"/> Yes No	Gallons actually evacuated: <u>32</u>
Sampling Date: <u>4-2-07</u>	Sampling Time: <u>1051</u> Depth to Water: <u>45.15</u>
Sample I.D.: <u>mw-8</u>	Laboratory: STL Other <u>Cal Science</u>
Analyzed for: <input checked="" type="checkbox"/> TPH-G <input checked="" type="checkbox"/> BTEX MTBE TPH-D	Other: <u>Oxy's, 1,2-DCA, EDB</u>
EB I.D. (if applicable):	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