Denis L. Brown

Shell Oil Products US

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

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

Re: Former Shell Service Station
510 East 14th Street (506-510 International Boulevard)
Oakland, California
SAP Code 135695
Incident No. 97601734
ACHCSA Case No. RO0002853

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,

Denis L. Brown
Project Manager

CONESTOGA-ROVERS
& ASSOCIATES

19449 Riverside Drive, Suite 230, Sonoma, California 95476
Telephone: 707-935-4850 Facsimile: 707-935-6649
www.CRAworld.com

August 13, 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
510 East 14th Street (506-510 International Boulevard)
Oakland, California
SAP Code 135695
Incident No. 97601734
Agency Case No. RO0002853

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

PROFESSIONAL GEOLOGIST
ANA FRIEL
No. 6452
Exp 9/07
STATE OF CALIFORNIA

Dennis Baertschi
Project Manager

Ana Friel, PG

Enclosure: Groundwater Monitoring Report – Second Quarter 2007

cc: Mr. Denis Brown, Shell

CONESTOGA-ROVERS
& ASSOCIATES

Mr. Jerry Wickham
August 13, 2007

GROUNDWATER MONITORING REPORT – SECOND QUARTER 2007

Site Address	510 East 14th Street (506-510 International Boulevard)
Site Use	Shell-branded Service Station
Shell Project Manager	Denis Brown
Consultant and Contact Person	CRA, Dennis Baertschi
Lead Agency and Contact	ACHCSA, Jerry Wickham
Agency Case No.	RO0002853
Shell SAP Code	135695
Shell Incident No.	97601734
Date of Most Recent Agency Correspondence	November 1, 2006

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	Westerly
Hydraulic Gradient	0.04
Depth to Water	6.94 to 10.67 feet below top of well casing

Proposed Activities for Next Quarter

1. Blaine will gauge and sample wells during the second month of the quarter, according to the established monitoring program for this site, and CRA will prepare a report.

CONESTOGA-ROVERS
& ASSOCIATES

Mr. Jerry Wickham
August 13, 2007

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

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

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05/10/07

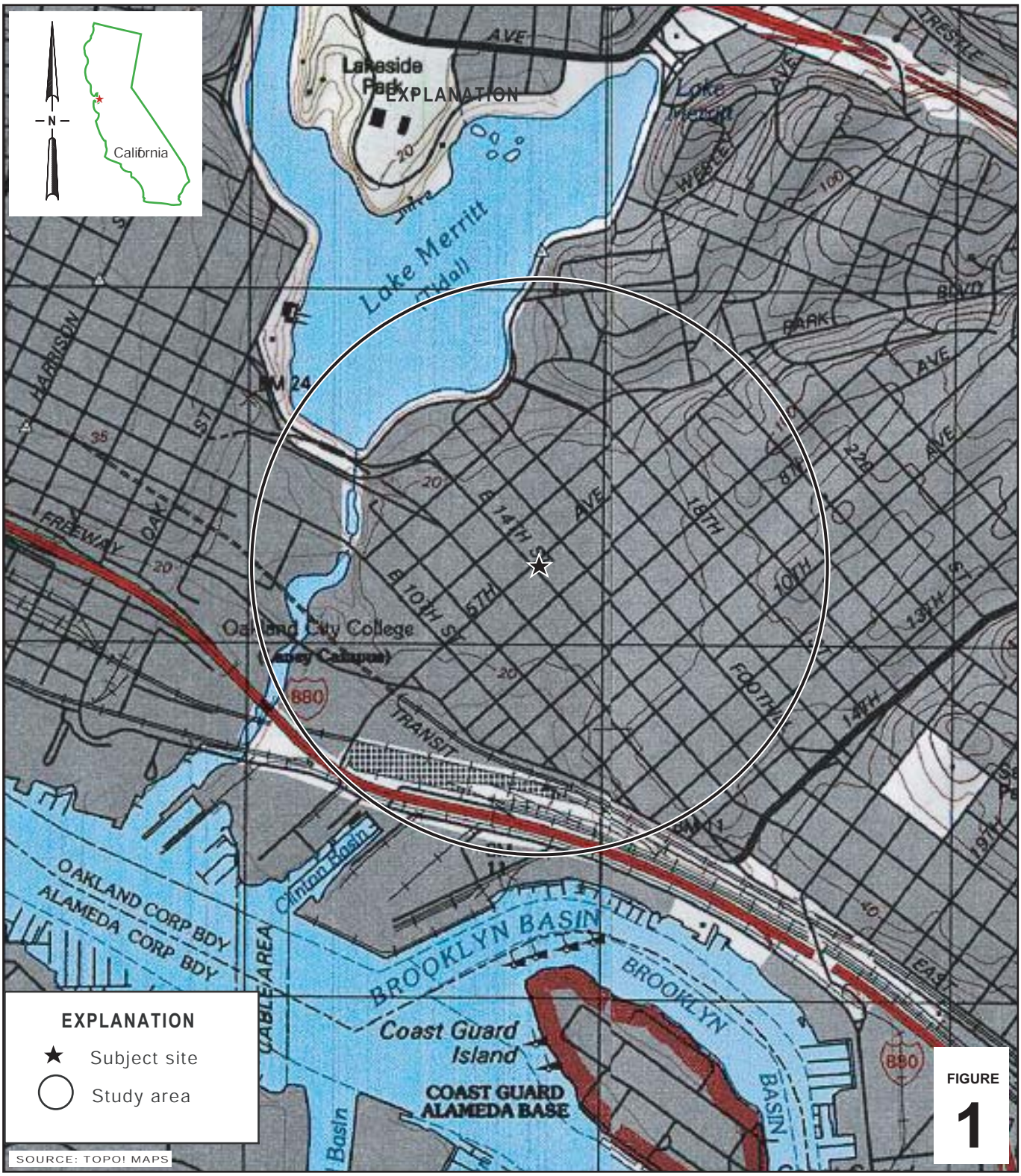

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FIGURE 1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Shell-branded Service Station

506 International Boulevard (506 E. 14th St.)

Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

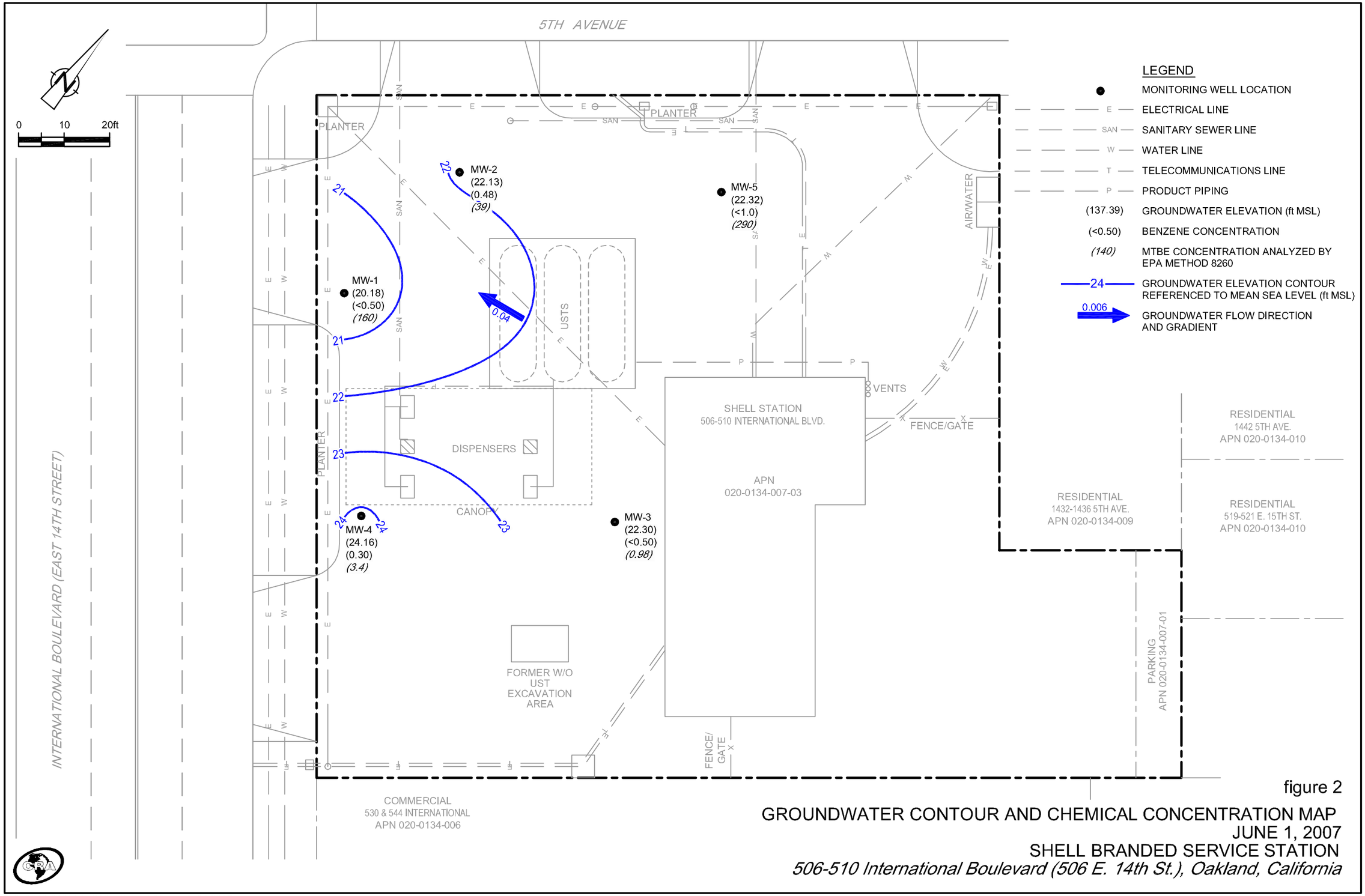

figure 2

GROUNDWATER CONTOUR AND CHEMICAL CONCENTRATION MAP
JUNE 1, 2007
SHELL BRANDED SERVICE STATION
506-510 International Boulevard (506 E. 14th St.), Oakland, California

Attachment A

Blaine Tech Services, Inc.
Groundwater Monitoring Report

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

July 9, 2007

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

Second Quarter 2007 Groundwater Monitoring at
Shell-branded Service Station
510 E. 14th Street
Oakland, CA

Monitoring performed on June 1, 2007

Groundwater Monitoring Report **070601-SL-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: Dennis Baertschi
Conestoga-Rovers & Associates
19449 Riverside Dr., Suite 230
Sonoma, CA 95476

WELL CONCENTRATIONS
Shell Service Station
510 E. 14th Street
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-1	08/24/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.85	10.98	19.87
MW-1	08/29/2006	242	<0.500	<0.500	<0.500	<0.500	255	<0.500	<0.500	<0.500	54.1	<0.500	<0.500	30.85	10.98	19.87
MW-1	11/13/2006	140 a	<2.5	<2.5	<2.5	<2.5	300	<2.5	<2.5	<2.5	<100	NA	NA	30.85	11.05	19.80
MW-1	02/09/2007	100	<0.50	0.86	<0.50	<1.0	160	<2.0	<2.0	<2.0	95	NA	NA	30.85	9.61	21.24
MW-1	**06/01/2007**	**<50 b**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**160**	**<2.0**	**<2.0**	**<2.0**	**<10**	**NA**	**NA**	**30.85**	**10.67**	**20.18**
MW-2	08/24/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.96	9.91	21.05
MW-2	08/29/2006	2,130	1.18	0.660	1.67	0.960	206	<0.500	<0.500	<0.500	55.5	<0.500	<0.500	30.96	9.91	21.05
MW-2	11/13/2006	890	<0.50	1.4	4.1	4.5	37	<0.50	<0.50	<0.50	41	NA	NA	30.96	10.11	20.85
MW-2	02/09/2007	760	0.84	3.0	5.0	6.7	67	<2.0	<2.0	<2.0	210	NA	NA	30.96	8.73	22.23
MW-2	**06/01/2007**	**3,300 b**	**0.48 c**	**0.98 c**	**12**	**3.89 c**	**39**	**<2.0**	**<2.0**	**<2.0**	**79**	**NA**	**NA**	**30.96**	**8.83**	**22.13**
MW-3	08/24/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.02	10.00	22.02
MW-3	08/29/2006	<50.0	<0.500	<0.500	<0.500	<0.500	28.8	<0.500	<0.500	<0.500	11.9	<0.500	<0.500	32.02	10.00	22.02
MW-3	11/13/2006	<50	<0.50	<0.50	<0.50	<0.50	1.5	<0.50	<0.50	<0.50	<20	NA	NA	32.02	10.85	21.17
MW-3	02/09/2007	<50	<0.50	2.4	0.81	5.8	2.6	<2.0	<2.0	<2.0	<5.0	NA	NA	32.02	9.90	22.12
MW-3	**06/01/2007**	**<50 b**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**0.98 c**	**<2.0**	**<2.0**	**<2.0**	**<10**	**NA**	**NA**	**32.02**	**9.72**	**22.30**
MW-4	08/24/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.10	9.91	21.19
MW-4	08/29/2006	375	<0.500	<0.500	3.10	0.660	6.53	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	31.10	9.91	21.19
MW-4	11/13/2006	120	<0.50	<0.50	0.87	<0.50	4.6	<0.50	<0.50	<0.50	<20	NA	NA	31.10	10.05	21.05
MW-4	02/09/2007	130	<0.50	0.92	1.6	<1.0	5.2	<2.0	<2.0	<2.0	11	NA	NA	31.10	8.62	22.48
MW-4	**06/01/2007**	**580 b**	**0.30 c**	**<1.0**	**5.5**	**0.57 c**	**3.4**	**<2.0**	**<2.0**	**<2.0**	**<10**	**NA**	**NA**	**31.10**	**6.94**	**24.16**
MW-5	08/24/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.61	9.98	21.63
MW-5	08/29/2006	1,260	<0.500	<0.500	<0.500	<0.500	829	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	31.61	9.98	21.63
MW-5	11/13/2006	290 a	<5.0	<5.0	<5.0	<5.0	640	<5.0	<5.0	<5.0	<200	NA	NA	31.61	9.82	21.79
MW-5	02/09/2007	260	<0.50	1.1	<0.50	1.1	350	<2.0	<2.0	<2.0	270	NA	NA	31.61	9.41	22.20

WELL CONCENTRATIONS
Shell Service Station
510 E. 14th Street
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-5	**06/01/2007**	**<50 b**	**<1.0**	**<2.0**	**<2.0**	**<2.0**	**290**	**<4.0**	**<4.0**	**<4.0**	**<20**	**NA**	**NA**	**31.61**	**9.29**	**22.32**

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:
a = the result for this hydrocarbon is elevated due to the presence of single analyte peak(s) in the quantitation range.
b = Analyzed by EPA Method 8015B (M).
c = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
Site surveyed September 7, 2006 by Virgil Chavez of Vallejo, CA.

Calscience Environmental Laboratories, Inc.

June 11, 2007

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

Subject: **Calscience Work Order No.: 07-06-0182**
Client Reference: 510 E. 14th Street, Oakland, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 6/5/2007 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,

Calscience Environmental
Laboratories, Inc.
Don Burley
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 06/05/07
Work Order No: 07-06-0182
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: 510 E. 14th Street, Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-1	**07-06-0182-1**	**06/01/07**	**Aqueous**	**GC 25**	**06/05/07**	**06/05/07**	**070605B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	75	38-134	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-2	**07-06-0182-2**	**06/01/07**	**Aqueous**	**GC 25**	**06/05/07**	**06/05/07**	**070605B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	3300	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	111	38-134	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-3	**07-06-0182-3**	**06/01/07**	**Aqueous**	**GC 25**	**06/05/07**	**06/05/07**	**070605B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	78	38-134	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-4	**07-06-0182-4**	**06/01/07**	**Aqueous**	**GC 25**	**06/05/07**	**06/05/07**	**070605B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	580	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	87	38-134	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 06/05/07
Work Order No: 07-06-0182
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: 510 E. 14th Street, Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-5	**07-06-0182-5**	**06/01/07**	**Aqueous**	**GC 25**	**06/05/07**	**06/05/07**	**070605B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	74	38-134	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-12-436-524**	**N/A**	**Aqueous**	**GC 25**	**06/05/07**	**06/05/07**	**070605B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	76	38-134	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received:	06/05/07
Work Order No:	07-06-0182
Preparation:	EPA 5030B
Method:	EPA 8260B
Units:	ug/L

Project: 510 E. 14th Street, Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-1	**07-06-0182-1**	**06/01/07**	**Aqueous**	**GC/MS EE**	**06/06/07**	**06/06/07**	**070606L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= 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		Methyl-t-Butyl Ether (MTBE)	160	1.0	0.23	1	
Ethylbenzene	ND	1.0	0.13	1		Tert-Butyl Alcohol (TBA)	ND	10	9.2	1	
Toluene	ND	1.0	0.23	1		Diisopropyl Ether (DIPE)	ND	2.0	0.39	1	
p/m-Xylene	ND	1.0	0.27	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.46	1	
o-Xylene	ND	1.0	0.17	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.50	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	105	74-140				1,2-Dichloroethane-d4	108	74-146			
Toluene-d8	100	88-112				1,4-Bromofluorobenzene	99	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-2	**07-06-0182-2**	**06/01/07**	**Aqueous**	**GC/MS EE**	**06/06/07**	**06/06/07**	**070606L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= 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	0.48	0.50	0.19	1	J	Methyl-t-Butyl Ether (MTBE)	39	1.0	0.23	1	
Ethylbenzene	12	1.0	0.13	1		Tert-Butyl Alcohol (TBA)	79	10	9.2	1	
Toluene	0.98	1.0	0.23	1	J	Diisopropyl Ether (DIPE)	ND	2.0	0.39	1	
p/m-Xylene	3.4	1.0	0.27	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.46	1	
o-Xylene	0.49	1.0	0.17	1	J	Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.50	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	106	74-140				1,2-Dichloroethane-d4	104	74-146			
Toluene-d8	105	88-112				1,4-Bromofluorobenzene	100	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-3	**07-06-0182-3**	**06/01/07**	**Aqueous**	**GC/MS EE**	**06/06/07**	**06/06/07**	**070606L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= 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		Methyl-t-Butyl Ether (MTBE)	0.98	1.0	0.23	1	J
Ethylbenzene	ND	1.0	0.13	1		Tert-Butyl Alcohol (TBA)	ND	10	9.2	1	
Toluene	ND	1.0	0.23	1		Diisopropyl Ether (DIPE)	ND	2.0	0.39	1	
p/m-Xylene	ND	1.0	0.27	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.46	1	
o-Xylene	ND	1.0	0.17	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.50	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	104	74-140				1,2-Dichloroethane-d4	105	74-146			
Toluene-d8	99	88-112				1,4-Bromofluorobenzene	94	74-110			

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	06/05/07
1680 Rogers Avenue	Work Order No:	07-06-0182
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/L
Project: 510 E. 14th Street, Oakland, CA		Page 2 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-4	**07-06-0182-4**	**06/01/07**	**Aqueous**	**GC/MS EE**	**06/06/07**	**06/06/07**	**070606L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= 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	0.30	0.50	0.19	1	J	Methyl-t-Butyl Ether (MTBE)	3.4	1.0	0.23	1	
Ethylbenzene	5.5	1.0	0.13	1		Tert-Butyl Alcohol (TBA)	ND	10	9.2	1	
Toluene	ND	1.0	0.23	1		Diisopropyl Ether (DIPE)	ND	2.0	0.39	1	
p/m-Xylene	0.57	1.0	0.27	1	J	Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.46	1	
o-Xylene	ND	1.0	0.17	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.50	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	74-140		1,2-Dichloroethane-d4	108	74-146	
Toluene-d8	102	88-112		1,4-Bromofluorobenzene	98	74-110	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-5	**07-06-0182-5**	**06/01/07**	**Aqueous**	**GC/MS EE**	**06/06/07**	**06/06/07**	**070606L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= 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	1.0	0.38	2		Methyl-t-Butyl Ether (MTBE)	290	2.0	0.45	2	
Ethylbenzene	ND	2.0	0.27	2		Tert-Butyl Alcohol (TBA)	ND	20	18	2	
Toluene	ND	2.0	0.45	2		Diisopropyl Ether (DIPE)	ND	4.0	0.78	2	
p/m-Xylene	ND	2.0	0.55	2		Ethyl-t-Butyl Ether (ETBE)	ND	4.0	0.92	2	
o-Xylene	ND	2.0	0.34	2		Tert-Amyl-Methyl Ether (TAME)	ND	4.0	1.0	2	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	106	74-140		1,2-Dichloroethane-d4	104	74-146	
Toluene-d8	99	88-112		1,4-Bromofluorobenzene	98	74-110	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-006-21,633**	**N/A**	**Aqueous**	**GC/MS EE**	**06/06/07**	**06/06/07**	**070606L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= 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		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.23	1	
Ethylbenzene	ND	1.0	0.13	1		Tert-Butyl Alcohol (TBA)	ND	10	9.2	1	
Toluene	ND	1.0	0.23	1		Diisopropyl Ether (DIPE)	ND	2.0	0.39	1	
p/m-Xylene	ND	1.0	0.27	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.46	1	
o-Xylene	ND	1.0	0.17	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.50	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	74-140		1,2-Dichloroethane-d4	103	74-146	
Toluene-d8	100	88-112		1,4-Bromofluorobenzene	93	74-110	

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 06/05/07
Work Order No: 07-06-0182
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project 510 E. 14th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-06-0176-2	**Aqueous**	**GC 25**	**06/05/07**	**06/05/07**	**070605S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	113	113	68-122	0	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 06/05/07
Work Order No: 07-06-0182
Preparation: EPA 5030B
Method: EPA 8260B

Project 510 E. 14th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-3	**Aqueous**	**GC/MS EE**	**06/06/07**	**06/06/07**	**070606S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	93	88-118	5	0-7	
Carbon Tetrachloride	94	93	67-145	1	0-11	
Chlorobenzene	93	91	88-118	2	0-7	
1,2-Dichlorobenzene	96	95	86-116	2	0-8	
1,1-Dichloroethene	88	86	70-130	2	0-25	
Toluene	98	94	87-123	4	0-8	
Trichloroethene	97	90	79-127	8	0-10	
Vinyl Chloride	85	81	69-129	4	0-13	
Methyl-t-Butyl Ether (MTBE)	99	97	71-131	2	0-13	
Tert-Butyl Alcohol (TBA)	95	92	36-168	3	0-45	
Diisopropyl Ether (DIPE)	97	97	81-123	1	0-9	
Ethyl-t-Butyl Ether (ETBE)	95	93	72-126	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	97	95	72-126	2	0-12	
Ethanol	90	87	53-149	4	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.	Date Received:	N/A
1680 Rogers Avenue	Work Order No:	07-06-0182
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	EPA 8015B (M)

Project: 510 E. 14th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-524	**Aqueous**	**GC 25**	**06/05/07**	**06/05/07**	**070605B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	113	116	78-120	2	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.	Date Received:	N/A
1680 Rogers Avenue	Work Order No:	07-06-0182
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	EPA 8260B

Project: 510 E. 14th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-21,633	**Aqueous**	**GC/MS EE**	**06/06/07**	**06/06/07**	**070606L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	99	84-120	1	0-8	
Carbon Tetrachloride	101	101	63-147	0	0-10	
Chlorobenzene	94	98	89-119	4	0-7	
1,2-Dichlorobenzene	102	100	89-119	1	0-9	
1,1-Dichloroethene	94	95	77-125	1	0-16	
Toluene	99	101	83-125	2	0-9	
Trichloroethene	97	99	89-119	3	0-8	
Vinyl Chloride	91	91	63-135	0	0-13	
Methyl-t-Butyl Ether (MTBE)	101	101	82-118	0	0-13	
Tert-Butyl Alcohol (TBA)	100	98	46-154	2	0-32	
Diisopropyl Ether (DIPE)	101	103	81-123	2	0-11	
Ethyl-t-Butyl Ether (ETBE)	98	99	74-122	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	98	98	76-124	0	0-10	
Ethanol	106	109	60-138	2	0-32	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 07-06-0182

Qualifier	Definition
*	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.

SHELL Chain Of Custody Record

LAB:

- ☐ TA - Irvine, California
- ☐ TA - Morgan Hill, California
- ☐ TA - Sacramento, California
- ☐ TA - Nashville, Tennessee
- ☒ Calscience
- ☐ Other_____

NAME OF PERSON TO BILL: Denis Brown

- ☑ ENVIRONMENTAL SERVICES
- ☐ NETWORK DEV / FE
- ☐ BILL CONSULTANT
- ☐ COMPLIANCE
- ☐ RMT/CRMT

☐ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

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

PO #:

SAP or CRMT #:

DATE: 6/1/07

PAGE: 1 of 1

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
Blaine Tech Services	BTSS	510 E. 14th Street, Oakland	CA	T0600112421

ADDRESS:	EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
1680 Rogers Avenue, San Jose, CA 95112	Dennis Baertshi, CRA, Eureka Office	707-268-3813	sonomaedf@craworld.com	070601-SL1

PROJECT CONTACT (Hardcopy or PDF Report to):	TELEPHONE:	FAX:	E-MAIL:	SAMPLER NAME(S) (Print):
Michael Ninokata	408-573-0555	408-573-7771	mninokata@blainetech.com	Tony Vega

BTS #

LAB USE ONLY: 07-06-0182

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 DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable (8260B)	TPH - Diesel, Extractable (8015M)	BTEX (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)		Total Oil and Grease (1664A)		FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
1	MW-1	6/1/07	0920	W	5	X		X	X																TEMPERATURE ON RECEIPT C°
2	MW-2	↓	0900	W	5	X		X	X																
3	MW-3		0800	W	5	X		X	X																
4	MW-4		0940	W	5	X		X	X																
5	MW-5	↓	1010	W	5	X		X	X																

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Tony Vega	(Sample Received)	6/1/07	1415
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		6-4-07	1046
Relinquished by: (Signature) TO GSO	Received by: (Signature)	Date:	Time:
		6-05-07	1000

05/02/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 07 - 06 - 0182

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Blaine Tech Svcs DATE: 06/05/07

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.
2.5 °C IR thermometer.
_____ Ambient temperature.

Initial: NC

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Present: ✓

Initial: NC

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)	✓		
VOA vial(s) free of headspace.	✓		
Tedlar bag(s) free of condensation			✓

Initial: NC

COMMENTS:

SHELL WELLHEAD REPAIR FORM

(FOR REPAIR TECHNICIAN)

Site Address 510 E. 14th St, Oakland Date 6-15-07

Job Number 070615AA1 Technician Andrew Adinolfi Page 1 of 1

Inspection Point (Well ID or description of location)	Well Inspected, Cleaned, Labeled - No Further Corrective Action Required	Replaced Cap	Replaced Lock	Replaced Lid Seal	Check Indicates deficiency: Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Below Grade	Not Securable by Design (12" diameter or less)	Lid not marked with words "MONITORING WELL"	Other Deficiency	Not Securable by Design (greater than 12" diameter)	Well Not Inspected (explain in notes)	All Repairs Completed	Remaining Deficiencies Logged onto BLAINE Repair Order	Remaining Deficiencies Logged onto Notice of Deficient Condition - BLAINE Unable to Repair
MW-1																		X	
Notes: No tag																			
Well box type / size: 12" Endo																	Materials used:		
MW-2					X												X		
Notes: fixed annular seal, No tag																			
Well box type / size: 12" Endo																	Materials used: 1 bag of concrete		
MW-3																		X	
Notes: No tag																			
Well box type / size: 12" Endo																	Materials used:		
MW-4																	X		
Notes: Lid seal damaged, No tag																			
Well box type / size: 12" Endo																	Materials used: Lid Seal		
MW-5																		X	
Notes: No tag																			
Well box type / size: 12" Endo																	Materials used:		
Notes:																			
Well box type / size:																	Materials used:		
Notes:																			
Well box type / size:																	Materials used:		

SHELL SITE INSPECTION CHECKLIST

Client Shell Date 6-15-07

Site Address 510 E. 14th St., Oakland

Job Number 070615AA1 Technician Andrew Adinolfi

Site Status Shell Branded Station Vacant Lot Other _____

Inspected / Labeled / Cleaned - all wells on Scope Of Work	☒	
Inspected / Cleaned Components - all other identifiable wells	☐	N/A
Inspected site for site investigation & site remediation related trip hazards	☒	
Completed all outstanding *BLAINE Wellhead Repair Order(s)*	☒	N/A
Completed *Shell Wellhead Repair Form(s)*	☒	N/A
Inspected treatment / remediation system compound for security, cleanliness and appearance	☐	N/A
Inspected vacant lot for signs of habitation, hazardous materials or terrain, overgrown vegetation and security	☐	N/A
Visually inspected site drums for condition and proper labeling	☐	N/A
Unresolved deficiencies identified - *"Notice of Deficient Condition"* form(s) completed	☐	N/A

Notes _____

PROJECT MANAGER ONLY

Checklist Reviewed AM 6/18 Initial/Date **Notes**

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 510 E 14th Oakland Date 6/1/07

Job Number 070601-SL1 Technician SL/TV Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Well Box Meets Compliance Requirements *See Below	Water Bailed From Wellbox	Cap Replaced	Lock Replaced	Well Not Inspected (explain in notes)	New Deficiency Identified	Previously Identified Deficiency Persists	Notes
MW-3								X	No Tag
MW-1								X	No Tag
MW-4								X	No Tag
MW-5								X	No Tag
MW-2							X	X	No Tag, Annular Seal Broken

*Well box must meet all three criteria to be compliant: 1) WELL IS SECURABLE BY DESIGN (12"or less) 2) WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12"or less) 3) WELL TAG IS PRESENT, SECURE, AND CORRECT

Notes:

WELL GAUGING DATA

Project # 070601-SL1 Date 6/1/07 Client Shell

Site 510 E 14th Oakland

Well ID	Time	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	Notes
MW-3	0714	4					9.72	29.22		
MW-1	0724	4				10.67	11.97	20.75		
MW-4	0730	4					6.94	21.60		
MW-5	0736	4					9.29	21.69		
MW-2	0742	4					8.83	24.07		

SHELL WELL MONITORING DATA SHEET

BTS #: 070601-SL-1	Site: 97601734
Sampler: T.V.	Date: 6/1/07
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 20.75	Depth to Water (DTW): 10.67
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]: 12.67	

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:

6.5 (Gals.) X	3	= 19.5 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 (uS))	Turbidity (NTUs)	Gals. Removed	Observations
0816	65.5	6.15	579.2	183	6.5	clear
0817	65.9	6.86	578.5	360	13	"
0818	65.4	6.87	578.2	320	19.5	"

Did well dewater? Yes (No)		Gallons actually evacuated: 20	
Sampling Date: 6/1/07	Sampling Time: 0920	Depth to Water: 9.89	
Sample I.D.: MW-1		Laboratory: STL Other CAL Science	
Analyzed for: (TPH-G) (BTEX) MTBE TPH-D		Other: Oxys	
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 #: 070601-SL2	Site: 97601734
Sampler: T.V.	Date: ~~6/1/07~~ T.V 6/1/07
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 24.07	Depth to Water (DTW): 8.83
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]: 11.88	

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:

1 Case Volume	Specified Volumes	Calculated Volume
9.9 (Gals.) X	3 =	29.7 Gals.

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
0850	65.7	7.41	397.9	190	9.9	clear gas odor
0852	67.2	7.11	~~6/1/07~~ T.V 452.3	190	19.8	" "
0854	67.3	7.01	518.2	42	30	" "

Did well dewater? Yes (No) Gallons actually evacuated: 30

Sampling Date: 6/1/07 Sampling Time: 0900 Depth to Water: 10.47

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

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

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 #: 070601-SL2	Site: 97601734
Sampler: T.V.	Date: 6/01/07
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 29.22	Depth to Water (DTW): 9.72
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]: 13.62	

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:

12.7 (Gals.) X 3 = 38 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
0755	64.7	6.17	922.6	118	12.7	clear
0757	65.3	6.48	882.4	178	25.4	clear
0759	65.6	6.56	834.3	146	38	clear

Did well dewater? Yes (No) Gallons actually evacuated: 38

Sampling Date: 6/1/07 Sampling Time: 0800 Depth to Water: 13.50

Sample I.D.: MW-3 Laboratory: STL Other CA Science

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

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 #: 070601-SL1	Site: 97601734
Sampler: T.V.	Date: 6/1/07
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 21.60	Depth to Water (DTW): 6.74
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]: 9.87	

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:

1 Case Volume	Specified Volumes	Calculated Volume
9.5 (Gals.) X	3 =	28.5 Gals.

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	rad.us^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0840	66.3	7.90	384.9	77	T.V cle 9.5	clear
0842		Well	dewatered at		12 gal	
0845		T.V				
0940	63.3	7.1	396.5	158		clear

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

Sampling Date: 6/1/07 — Sampling Time: 0940 — Depth to Water: 9.87

Sample I.D.: MW-4 — Laboratory: STL Other CAL Science

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

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 #: 070601-SC1	Site: 97601734
Sampler: T.V.	Date: 6/1/07
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 21.67	Depth to Water (DTW): 9.29
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]: 11.77	

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: ____

9 (Gals.) X	3 =	24 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
0831	65.5	11.61	1497	96	8	clear
~~0832~~	Well dewatered at 10 gal					
~~0834~~						
1010	65.0	9.68	678.1	91		clear

Did well dewater? (Yes) No Gallons actually evacuated: 10

Sampling Date: 6/1/07 Sampling Time: 1010 Depth to Water: 11.75

Sample I.D.: MW-5 Laboratory: STL Other CAL Science

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

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