CONESTOGA-ROVERS
& ASSOCIATES

5900 Hollis Street, Suite A, Emeryville, California 94608
Telephone: 510-420-0700 Facsimile: 510-420-9170
www.CRAworld.com

August 27, 2008

Reference No. 240937

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

Dear Mr. Wickham:

Re: Groundwater Monitoring Report – Third Quarter 2008
Shell-branded Service Station
3600 Park Boulevard
Oakland, California
SAP Code 135689
Incident No. 97610341
ACHCSA Case No. RO-2855

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 Peter Schaefer at (510) 420-3319.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Peter Schaefer, CHG, CEG
Project Manager

PS/aa/1
Enc.

cc: Denis Brown, Shell Oil Products US

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: 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,

Denis L. Brown
Project Manager

GROUNDWATER MONITORING REPORT – THIRD QUARTER 2008

SHELL-BRANDED SERVICE STATION
3600 PARK BOULEVARD
OAKLAND, CALIFORNIA

SAP CODE	135689
INCIDENT NO.	97610341
ACHCSA CASE NO	RO-2855

AUGUST 27, 2008
REF. NO. 240937 (1)
This report is printed on recycled paper.

Prepared by:
Conestoga-Rovers & Associates

5900 Hollis Street, Suite A
Emeryville, California
U.S.A. 94608

Office: (510) 420-0700
Fax: (510) 420-9170

web: http:\\www.CRAworld.com

SITE ADDRESS	3600 Park Boulevard, Oakland, CA
SITE USE	Shell-branded Service Station
SHELL PROJECT MANAGER	Denis Brown
CONSULTANT AND CONTACT PERSON	CRA, Peter Schaefer
LEAD AGENCY AND CONTACT	ACHCSA, Jerry Wickham
AGENCY CASE NO.	RO-2855
SHELL SAP CODE	135689
SHELL INCIDENT NO.	97610341
DATE OF MOST RECENT AGENCY CORRESPONDENCE	April 18, 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). Blaine's report, presenting the analytical data, is included in Appendix A.
3. CRA submitted an August 1, 2008 *Risk Evaluation and Closure Request.*

CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Northwesterly
Hydraulic Gradient	0.12
Depth to Water	5.30 to 15.03 feet below top of well casing

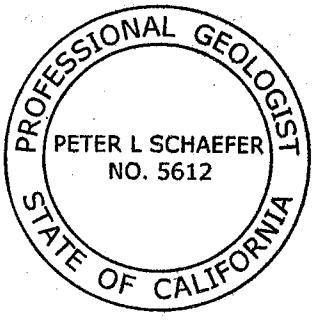
PROPOSED ACTIVITIES FOR NEXT QUARTER

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.

RECOMMENDATIONS

1. Based on the data presented in this report, and the continued low level to non-detectable concentrations of chemicals of concern in the groundwater at this site, CRA submitted an August 1, 2008 *Risk Evaluation and Closure Request.*

All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES



Peter Schaefer, CHG, CEG
Project Manager

for. Ana Friel, PG
Professional Geologist

LIST OF FIGURES

05/27/08

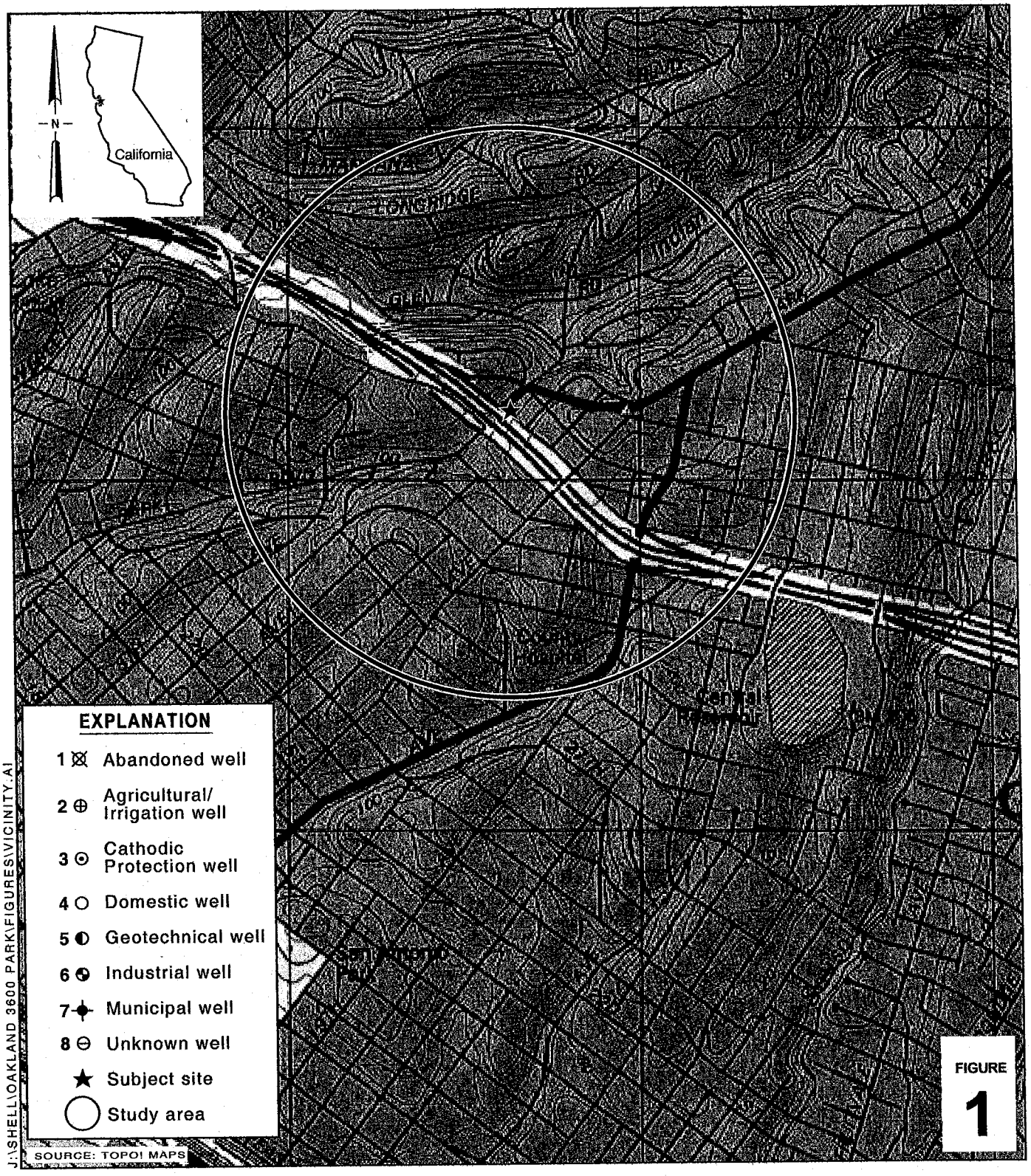


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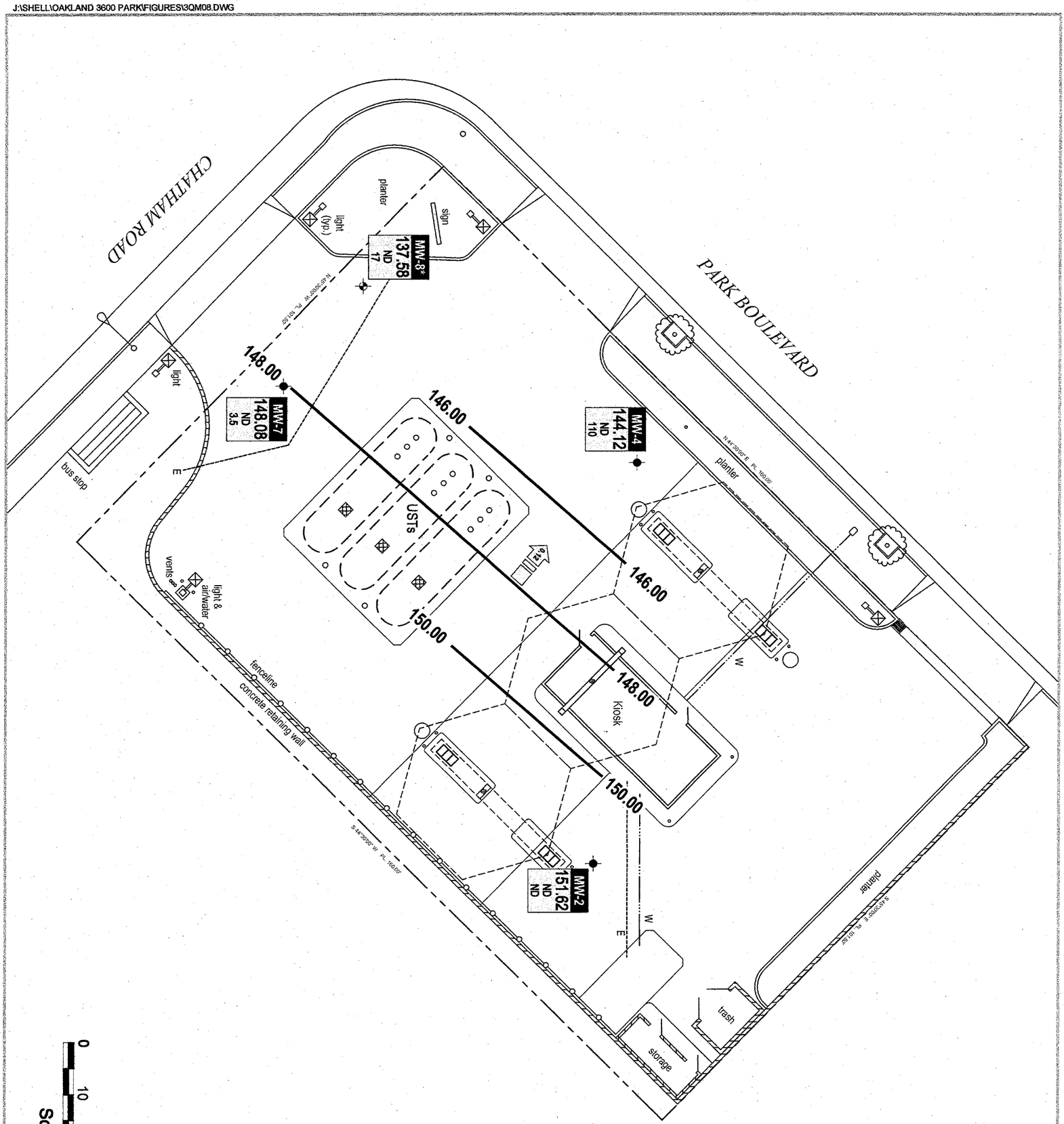
FIGURE 1

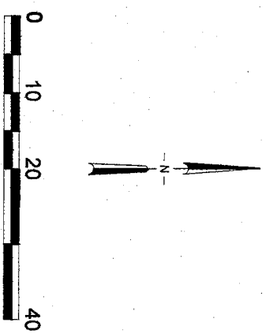
Shell-branded Service Station
3600 Park Boulevard
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

J:\SHELL\OAKLAND 3600 PARK\FIGURES\3QM08.DWG





EXPLANATION

- MW-2 — Monitoring well location
- MW-8* — Monitoring well with different screen interval; not used for contouring
- Electrical line (E)
- Water line (W)
- 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 / MTBE — Benzene and MTBE concentrations are in micrograms per liter

Note:
ND = Not detected

08/12/08

FIGURE 2

Shell-branded Service Station
3600 Park Boulevard
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Groundwater Contour and Chemical Concentration Map

July 3, 2008

LIST OF APPENDICES

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

July 17, 2008

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

Third Quarter 2008 Groundwater Monitoring at
Shell–branded Service Station
3600 Park Boulevard
Oakland, CA

Monitoring performed on July 3, 2008

Groundwater Monitoring Report **080703-MD-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/tm

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

cc: Peter Schaefer
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608

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	1/12/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.92	11.62	145.30
MW-2	1/19/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	156.92	8.72	148.20
MW-2	1/24/2006	<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	4/27/2006	<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	7/11/2006	<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	1/19/2007	<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	4/2/2007	<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-2	7/18/2007	<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	4.77	152.15
MW-2	10/30/2007	<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	5.31	151.61
MW-2	2/6/2008	53 a	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	<0.50	<1.0	156.92	5.37	151.55
MW-2	4/8/2008	<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	5.32	151.60
MW-2	**7/3/2008**	**<50**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<2.0**	**<2.0**	**<2.0**	**<10**	**<0.50**	**<1.0**	**156.92**	**5.30**	**151.62**
MW-4	1/12/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	155.00	9.43	145.57
MW-4	1/19/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	155.00	9.45	145.55
MW-4	1/24/2006	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	4/27/2006	<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	7/11/2006	<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	1/19/2007	<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	4/2/2007	<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-4	7/18/2007	<50 a	<0.50	<1.0	<1.0	<1.0	59	<2.0	<2.0	<2.0	<10	0.35 b	<1.0	155.00	10.34	144.66
MW-4	10/30/2007	<50 a	<0.50	<1.0	<1.0	<1.0	28	<2.0	<2.0	<2.0	<10	0.41 b	<1.0	155.00	10.68	144.32
MW-4	2/6/2008	57 a	<0.50	<1.0	<1.0	<1.0	72	<2.0	<2.0	<2.0	<10	<0.50	<1.0	155.00	10.27	144.73
MW-4	4/8/2008	<50 a	<0.50	<1.0	<1.0	<1.0	21	<2.0	<2.0	<2.0	<10	<0.50	<1.0	155.00	10.38	144.62
MW-4	**7/3/2008**	**160**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**110**	**<2.0**	**<2.0**	**<2.0**	**<10**	**<0.50**	**<1.0**	**155.00**	**10.88**	**144.12**

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-7	1/12/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.00	5.97	148.03
MW-7	1/19/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.00	6.40	147.60
MW-7	1/24/2006	<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	4/27/2006	<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	7/11/2006	<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	1/19/2007	<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	4/2/2007	<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-7	7/18/2007	<50 a	<0.50	<1.0	<1.0	<1.0	0.31 b	<2.0	<2.0	<2.0	<10	<0.50	<1.0	154.00	5.08	148.92
MW-7	10/30/2007	<50 a	<0.50	<1.0	<1.0	<1.0	0.84 b	<2.0	<2.0	<2.0	<10	<0.50	<1.0	154.00	5.58	148.42
MW-7	2/6/2008	<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	5.15	148.85
MW-7	4/8/2008	<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	4.62	149.38
MW-7	**7/3/2008**	**<50**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**3.5**	**<2.0**	**<2.0**	**<2.0**	**<10**	**<0.50**	**<1.0**	**154.00**	**5.92**	**148.08**
MW-8	1/12/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	152.61	16.84	135.77
MW-8	1/19/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	152.61	16.00	136.61
MW-8	1/24/2006	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	4/27/2006	<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	7/11/2006	<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	1/19/2007	<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	4/2/2007	<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
MW-8	7/18/2007	<50 a	<0.50	<1.0	<1.0	<1.0	24	<2.0	<2.0	<2.0	<10	<0.50	<1.0	152.61	14.71	137.90
MW-8	10/30/2007	<50 a	<0.50	<1.0	<1.0	<1.0	14	<2.0	<2.0	<2.0	<10	<0.50	<1.0	152.61	15.45	137.16
MW-8	2/6/2008	57 a	<0.50	<1.0	<1.0	<1.0	8.1	<2.0	<2.0	<2.0	<10	<0.50	<1.0	152.61	15.27	137.34
MW-8	4/8/2008	<50 a	<0.50	<1.0	<1.0	<1.0	19	<2.0	<2.0	<2.0	<10	<0.50	<1.0	152.61	14.50	138.11
MW-8	**7/3/2008**	**<50**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**17**	**<2.0**	**<2.0**	**<2.0**	**<10**	**<0.50**	**<1.0**	**152.61**	**15.03**	**137.58**

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)

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 = 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.

Calscience
Environmental
Laboratories, Inc.

July 15, 2008

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

Subject: **Calscience Work Order No.:** **08-07-0558**
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 7/8/2008 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.
Jessie Kim
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 07/08/08
Work Order No: 08-07-0558
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 3600 Park Blvd., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-2	**08-07-0558-1-A**	**07/03/08 14:40**	**Aqueous**	**GC/MS PP**	**07/12/08**	**07/12/08 14:13**	**080712L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		TPPH	ND	50	1	
o-Xylene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	113	74-140		1,2-Dichloroethane-d4	117	74-146	
Toluene-d8	100	88-112		Toluene-d8-TPPH	101	88-112	
1,4-Bromofluorobenzene	89	74-110					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-4	**08-07-0558-2-A**	**07/03/08 15:11**	**Aqueous**	**GC/MS PP**	**07/12/08**	**07/12/08 20:07**	**080712L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	110	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		TPPH	160	50	1	
o-Xylene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	121	74-140		1,2-Dichloroethane-d4	127	74-146	
Toluene-d8	102	88-112		Toluene-d8-TPPH	103	88-112	
1,4-Bromofluorobenzene	89	74-110					

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: 07/08/08
Work Order No: 08-07-0558
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 3600 Park Blvd., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-7	**08-07-0558-3-A**	**07/03/08 14:51**	**Aqueous**	**GC/MS PP**	**07/12/08**	**07/12/08 20:32**	**080712L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	3.5	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		TPPH	ND	50	1	
o-Xylene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	120	74-140		1,2-Dichloroethane-d4	131	74-146	
Toluene-d8	103	88-112		Toluene-d8-TPPH	104	88-112	
1,4-Bromofluorobenzene	92	74-110					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-8	**08-07-0558-4-A**	**07/03/08 15:27**	**Aqueous**	**GC/MS PP**	**07/12/08**	**07/12/08 20:57**	**080712L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	17	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		TPPH	ND	50	1	
o-Xylene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	121	74-140		1,2-Dichloroethane-d4	130	74-146	
Toluene-d8	101	88-112		Toluene-d8-TPPH	102	88-112	
1,4-Bromofluorobenzene	89	74-110					

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: 07/08/08
Work Order No: 08-07-0558
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 3600 Park Blvd., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-767-70**	**N/A**	**Aqueous**	**GC/MS PP**	**07/12/08**	**07/12/08 13:48**	**080712L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		TPPH	ND	50	1	
o-Xylene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	113	74-140		1,2-Dichloroethane-d4	120	74-146	
Toluene-d8	101	88-112		Toluene-d8-TPPH	103	88-112	
1,4-Bromofluorobenzene	91	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: 07/08/08
Work Order No: 08-07-0558
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 3600 Park Blvd., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-2	Aqueous	GC/MS PP	07/12/08	07/12/08	080712S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	93	94	88-118	2	0-7	
Carbon Tetrachloride	97	99	67-145	2	0-11	
Chlorobenzene	96	100	88-118	4	0-7	
1,2-Dibromoethane	99	102	70-130	3	0-30	
1,2-Dichlorobenzene	94	100	86-116	6	0-8	
1,1-Dichloroethene	93	96	70-130	3	0-25	
Ethylbenzene	101	104	70-130	3	0-30	
Toluene	95	97	87-123	2	0-8	
Trichloroethene	95	94	79-127	1	0-10	
Vinyl Chloride	94	102	69-129	8	0-13	
Methyl-t-Butyl Ether (MTBE)	102	107	71-131	5	0-13	
Tert-Butyl Alcohol (TBA)	87	96	36-168	10	0-45	
Diisopropyl Ether (DIPE)	105	107	81-123	2	0-9	
Ethyl-t-Butyl Ether (ETBE)	105	108	72-126	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	108	110	72-126	3	0-12	
Ethanol	83	91	53-149	10	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

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

Date Received: N/A
Work Order No: 08-07-0558
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 3600 Park Blvd., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-70	Aqueous	GC/MS PP	07/12/08	07/12/08	080712L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	95	93	84-120	2	0-8	
Carbon Tetrachloride	99	95	63-147	4	0-10	
Chlorobenzene	98	96	89-119	2	0-7	
1,2-Dibromoethane	100	100	80-120	0	0-20	
1,2-Dichlorobenzene	95	97	89-119	1	0-9	
1,1-Dichloroethene	95	93	77-125	1	0-16	
Ethylbenzene	102	99	80-120	3	0-20	
Toluene	97	95	83-125	2	0-9	
Trichloroethene	98	97	89-119	0	0-8	
Vinyl Chloride	97	97	63-135	1	0-13	
Methyl-t-Butyl Ether (MTBE)	103	102	82-118	1	0-13	
Tert-Butyl Alcohol (TBA)	88	89	46-154	1	0-32	
Diisopropyl Ether (DIPE)	105	103	81-123	2	0-11	
Ethyl-t-Butyl Ether (ETBE)	106	106	74-122	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	107	109	76-124	2	0-10	
Ethanol	76	84	60-138	9	0-32	
TPPH	97	97	65-135	1	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 08-07-0558

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 (MS) or Matrix Spike Duplicate (MSD) 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.
ME	A Marginal Exceedance (ME) is defined as a LCS percent recovery beyond the normal 3 standard deviation Control Limits but still within the marginal exceedance limits (set at 4 standard deviations from the mean)
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 Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☑ CALSCIENCE ( )
- ☐ SPL ( )
- ☐ XENCO ( )
- ☐ TEST AMERICA ( )
- ☐ OTHER ( )

Please Check Appropriate Box:
- ☑ ENV. SERVICES ☐ MOTIVA RETAIL ☐ SHELL RETAIL
- ☐ MOTIVA SD&CM ☐ CONSULTANT ☐ LUBES
- ☐ SHELL PIPELINE ☐ OTHER ______

Print Bill To Contact Name: Denis Brown

INCIDENT # (ENV SERVICES): 9 7 6 1 0 3 4 1

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 07/03/08

PAGE: 1 of 1

PO #

SAP #

SAMPLING COMPANY: Blaine Tech Services	LOG CODE: BTSS
ADDRESS: 1680 Rogers Ave, 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): Anni Kremi, CRA, Emeryville	PHONE NO.: (510) 420-3335
E-MAIL: Shelledf@craworld.com	CONSULTANT PROJECT NO: 080703-MD1 BTS #
SAMPLER NAME(S) (Print): M Pierce	LAB USE ONLY: 08-07-0558

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

- ☐ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED

Run TPH-d w/Silica Gel Clean Up

REQUESTED ANALYSIS

TEMPERATURE ON RECEIPT C°

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	Container PID Readings or Laboratory Notes
1	MW-2	07/03	1440	W	X					3	X		X	X						X	X			
2	MW-4	↓	1511	↓	X					↓	X		X	X						X	X			
3	MW-7	↓	1451	↓	X					↓	X		X	X						X	X			
4	MW-8	↓	1527	↓	X					↓	X		X	X						X	X			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature] (Sample Custodian)	07/03/08	1640
[signature] (Sample Custodian)	Ta O'Malley CEL	7/7/08	1400
Ta O'Malley TO GSO 7/7/08 1730 509926839	W[signature] CEL	7-8-08	1030

05/2/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 08 - 07 - 0558

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: BTS DATE: 7-8-08

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 (For Air & Filter Only).
___ ___ . ___ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

___ ___ . ___ °C Temperature blank.
3 . 7 °C IR Thermometer.
_____ Ambient temperature (For Air & Filter Only).

Initial: WB

CUSTODY SEAL INTACT:

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

Initial: WB

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	✓		
Corred 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: WB

COMMENTS:

WELL GAUGING DATA

Project # 080703-MP1 Date 07/03/08 Client Shell

Site 3600 PARK BLVD, Oakland, Ca

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-2	0816	4					05.30	29.51		
MW-4	0836	4					10.88	29.56		
MW-7	0823	4					05.92	37.91		
MW-8	0830	4					15.03	50.92	↓	

SHELL WELL MONITORING DATA SHEET

BTS #: 080703-MD1	Site: 3600 Park Blvd, Oakland, CA
Sampler: MD	Date: 07/03/08
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 29.51	Depth to Water (DTW): 05.30 24.21
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]: 10.14	

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: _____

15.7 (Gals.) X	3	= 47.1 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
0849	69.9	6.12	1461	18	15.7	
0852	69.7	6.10	1462	46	39.4	
0853	Well dewat @			33 gal		
1439	69.5	7.00	1467	12	—	—

Did well dewater? Yes (No) Gallons actually evacuated: 33.0 gal

Sampling Date: 07/03/08 Sampling Time: 1440 Depth to Water: 06.12

Sample I.D.: MW-2 Laboratory: STL Other (Cal Scient)

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

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

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

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 #: 080703-MD1	Site: 3600 Park Blvd, Oakland, Ca
Sampler: MD	Date: 07/03/08
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 29.56	Depth to Water (DTW): 10.88
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]: 19.62	

19.6

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:_____

12.1 (Gals.) X 3 = 36.3 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
0916	68.7	6.80	665	25	12.1	
0918	well	dewat	(@)	19 gal		
1510	71.1	6.72	661	19		

Did well dewater? (Yes) No Gallons actually evacuated: 19.0 gal

Sampling Date: 07/03/08 Sampling Time: 1511 Depth to Water: 12.24

Sample I.D.: MW-4 Laboratory: STL Other (Calscience)

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

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

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

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 #: 080703-MD1	Site: 3600 Park Blvd, Oakland, Ca
Sampler: MD	Date: 07/03/08
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 37.91	Depth to Water (DTW): 05.92 32.99
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]: 12.52	

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: ___

20.8 (Gals.) X 3 = 62.4 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
0904	70.6	6.70	978	28	~~62~~ 20.8	
0908	well dewatered			310 +6	gal	
1450	72.5	6.86	1025	16	—	—

Did well dewater? ~~Yes~~ No — Gallons actually evacuated: 31.0 gal

Sampling Date: 07/03/08 — Sampling Time: 1451 — Depth to Water: 11.92

Sample I.D.: MW-7 — Laboratory: STL Other: CalScience

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

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

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

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 #: 080703-MD1	Site: 3605 Park Blvd, Oakland, Ca
Sampler: MD	Date: 07/03/08
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 50.92	Depth to Water (DTW): 15.03 35.89
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]: 22.21	

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:_____

23.3 (Gals.) X	3	=	69.9 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
0925	68.9	6.91	1053	18	23.3	—
0926	well	dewatered		25.0 gal		
1526	71.7	7.04	1071	12	—	—

Did well dewater? ~~Yes~~ No Gallons actually evacuated: 25.0 gal

Sampling Date: 07/03/08 Sampling Time: 1527 Depth to Water: 22.17

Sample I.D.: MW-8 Laboratory: STL Other ~~Cal Scan~~

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

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

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

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