



**CONESTOGA-ROVERS
& ASSOCIATES**

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Emeryville, California 94608
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TRANSMITTAL

DATE: August 11, 2010 REFERENCE NO.: 060119
PROJECT NAME: 2350 (2368) Harrison Street, Oakland
TO: Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

RECEIVED
9:55 am, Aug 12, 2010
Alameda County
Environmental Health

Please find enclosed: Draft Final
 Originals Other
 Prints

Sent via: Mail Same Day Courier
 Overnight Courier Other GeoTracker and Alameda County FTP

QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report - Second Quarter 2010

As Requested For Review and Comment
 For Your Use _____

COMMENTS:

If you have any questions regarding the contents of this document, please call Peter Schaefer at (510) 420-3319.

Copy to: Denis Brown, Shell Oil Products US (electronic copy)
Richard Burge, 490 Grand Avenue, Suite 100, Oakland, CA 94610

Completed by: Peter Schaefer Signed: *Peter Schaefer*

Filing: Correspondence File



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

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

Subject: Former Shell Service Station
2350 (2368) Harrison Street
Oakland, California
SAP Code 173318
Incident No. 97743969
ACEH No. RO0000505

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.

As always, please feel free to contact me directly at (707) 865-0251 with any questions or concerns.

Sincerely,

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

Denis L. Brown
Project Manager



GROUNDWATER MONITORING REPORT - SECOND QUARTER 2010

**FORMER SHELL SERVICE STATION
2350 (2368) HARRISON STREET
OAKLAND, CALIFORNIA**

**SAP CODE 173318
INCIDENT NO. 97743969
AGENCY NO. RO0000505**

**AUGUST 11, 2010
REF. NO. 060119 (16)**

This report is printed on recycled paper.

**Prepared by:
Conestoga-Rovers
& Associates**

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

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TABLE OF CONTENTS

	<u>Page</u>
1.0 INTRODUCTION.....	1
1.1 SITE INFORMATION	1
2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION.....	1
2.1 CURRENT QUARTER'S ACTIVITIES.....	1
2.2 CURRENT QUARTER'S FINDINGS	2
2.3 PROPOSED ACTIVITIES.....	2
3.0 DISCUSSION	2

LIST OF FIGURES
(Following Text)

FIGURE 1 VICINITY MAP

FIGURE 2 GROUNDWATER CONTOUR AND CHEMICAL CONCENTRATION MAP

LIST OF TABLES
(Following Text)

TABLE 1 GROUNDWATER MONITORING ANALYTICAL DATA - VOCS AND PAHS

LIST OF APPENDICES

APPENDIX A BLAINE TECH SERVICES, INC. - GROUNDWATER MONITORING
REPORT

1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell).

1.1 SITE INFORMATION

Site Address	2350 (2368) Harrison Street, Oakland
Site Use	7-11 Store
Shell Project Manager	Denis Brown
CRA Project Manager	Peter Schaefer
Lead Agency and Contact	ACEH, Jerry Wickham
Agency Case No.	RO0000505
Shell SAP Code	173318
Shell Incident No.	97743969

Date of most recent agency correspondence was May 13, 2010 (electronic correspondence).

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

Blaine Tech Services, Inc. (Blaine) gauged and sampled the wells according to the established monitoring program for this site.

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. CRA also prepared Table 1, which summarizes analytical data for volatile organic compounds (VOCs) and polynuclear aromatic hydrocarbons (PAHs).

CRA's April 22, 2010 *Soil Vapor Probe Installation and Soil Vapor Sampling Report* presented installation details for one soil vapor probe and two near sub-slab vapor probes, and results of our March 23, 2010 soil vapor sampling event.

CRA's January 26, 2010 *Subsurface Investigation Work Plan Addendum No. 2* expanded the scope of the soil vapor investigation proposed in our August 12, 2009 *Soil Vapor Probe Sampling Report* and in our November 11, 2009 *Survey of Potential Off-Site Sources and Subsurface Investigation Work Plan Addendum*.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Generally easterly to southeasterly
Hydraulic Gradient	Variable
Depth to Water	5.54 to 6.91 feet below top of well casing

2.3 PROPOSED ACTIVITIES

CRA's November 11, 2009 *Survey of Potential Off-Site Sources and Subsurface Investigation Work Plan Addendum* expanded the scope of the off-site investigation proposed in CRA's November 12, 2008 *Sensitive Receptor Survey and Subsurface Investigation Work Plan*. CRA will submit a report detailing the off-site subsurface investigation by September 30, 2010.

Blaine will gauge and sample wells according to the established monitoring program for this site. This site is monitored semiannually during the second and fourth quarters, and CRA will issue groundwater monitoring reports semiannually following the sampling events.

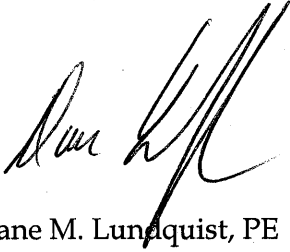
3.0 DISCUSSION

Based on relatively consistent groundwater analytical data for VOCs and PAHs in wells S-1 and S-6 which have not exceeded available San Francisco Bay Regional Water Quality Control Board environmental screening levels, CRA proposes to suspend these analyses for these wells. Unless directed otherwise, we will suspend these VOC and PAH analyses beginning with the fourth quarter 2010 groundwater monitoring event.

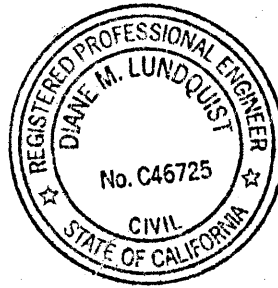
All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES



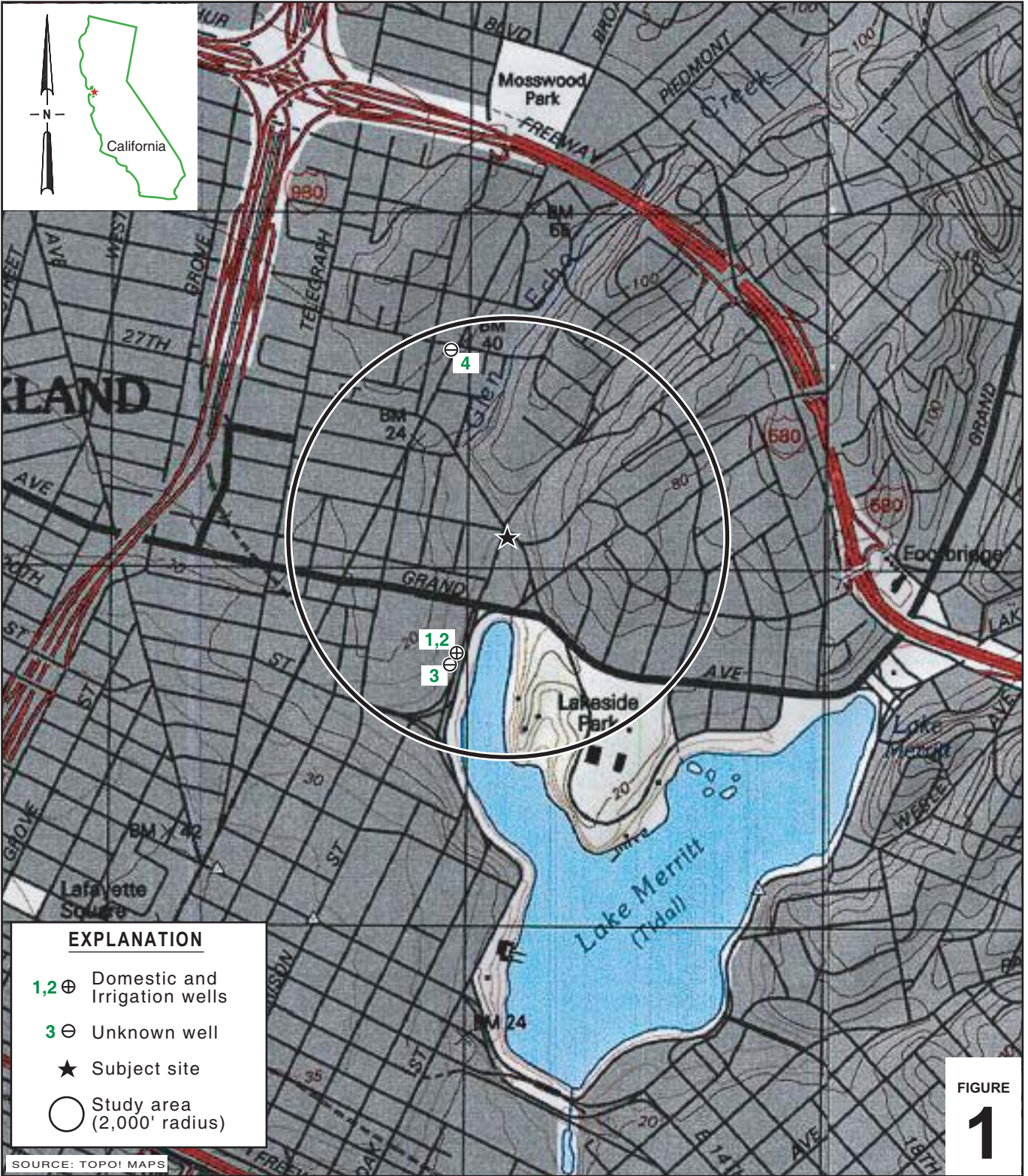
Peter Schaefer, CHG, CEG



Diane M. Lundquist, PE

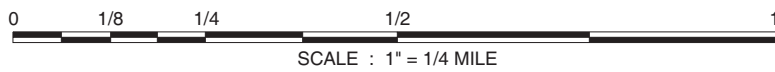


FIGURES



I:\Shell\6-charts\0601--\060119-Oakland 2350 Harrison St\060119-FIGURES\060119 VICINITY.A1

SOURCE: TOPOI MAPS



Former Shell Service Station

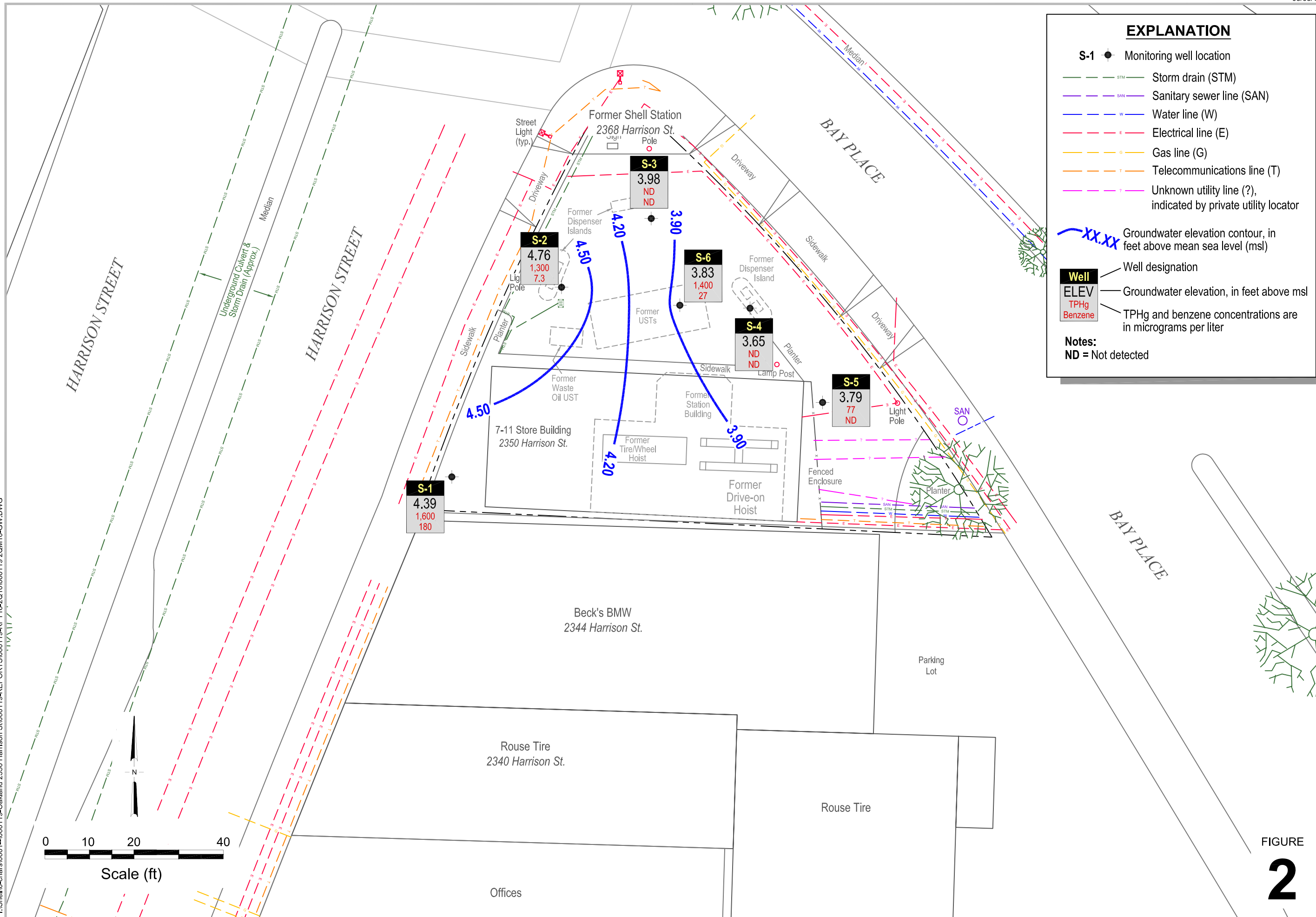
2350 (2368) Harrison Street
Oakland, California



**CONESTOGA-ROVERS
& ASSOCIATES**

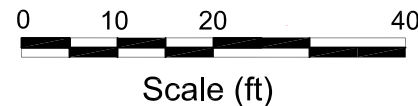
Vicinity Map

I:\Shell\6-chars\0601--060119-Oakland 2350 Harrison St\060119-REPORTS\060119-RPT16-2010\060119-20M10-GW.DWG



FIGURE

2



TABLES

TABLE 1

GROUNDWATER MONITORING ANALYTICAL DATA - VOCS AND PAHS
FORMER SHELL SERVICE STATION
2350 (2368) HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	Date	Acetone	2-Butanone	<i>n</i> -Butyl- benzene	<i>sec</i> -Butyl- benzene	<i>tert</i> -Butyl- benzene	Chloro- benzene	1,2- Dichloro- propane	Isopropyl- benzene	<i>p</i> -Isopropyl- toluene	<i>n</i> -Propyl- benzene	1,2,4- Trimethyl- benzene	1,3,5- Trimethyl- benzene
S-1	6/11/2008	<250	<50	<5.0	<5.0	<5.0	<5.0	<5.0	5.1	<5.0	<5.0	<5.0	5.7
S-1	9/17/2008	<50	<10	5.6	7.3	1.8	<1.0	<1.0	20	11	19	7.3	<1.0
S-1	12/11/2008	<50	<10	3.9	4.6	1.7	<1.0	<1.0	12	7.4	12	3.9	<1.0
S-1	2/25/2009	<250	<50	<5.0	<5.0	<5.0	<5.0	<5.0	14	7.6	14	<5.0	<5.0
S-1	5/26/2009	<250	<50	<5.0	<5.0	<5.0	<5.0	<5.0	13	6.1	9.9	<5.0	<5.0
S-1	11/30/2009	<100	<20	3.2	5.0	<2.0	<2.0	<2.0	11	2.7	7.3	2.6	<2.0
S-1	5/18/2010	<100	<20	2.6	4.2	<2.0	<2.0	<2.0	11	<2.0	6.5	<2.0	<2.0
S-2	6/11/2008	<250	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
S-3	6/11/2008	<50	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
S-4	6/11/2008	<50	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
S-5	6/11/2008	<50	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
S-6	6/11/2008	59	12	21	11	<1.0	1.7	2.0	56	<1.0	79	<1.0	<1.0
S-6	5/26/2009	<50	<10	4.4	5.8	<1.0	<1.0	<1.0	6.1	<1.0	3.9	<1.0	<1.0
S-6	11/30/2009	<50	<10	2.2	3.2	<1.0	<1.0	<1.0	2.4	<1.0	<1.0	<1.0	<1.0
S-6	5/18/2010	<50	<10	1.1	2.2	<1.0	1.0	<1.0	3.4	<1.0	<1.0	<1.0	<1.0

SFBRWQCB ESLs for groundwater where groundwater is a current or potential drinking water source

1,500

25

5.0

TABLE 1

GROUNDWATER MONITORING ANALYTICAL DATA - VOCS AND PAHS
FORMER SHELL SERVICE STATION
2350 (2368) HARRISON STREET, OAKLAND, CALIFORNIA

Notes:

All results in $\mu\text{g}/\text{l}$ unless otherwise indicated.

VOCs = Volatile organic compounds

PAHs = Polynuclear aromatic hydrocarbons

VOCs and PAHs analyzed by EPA Method 8260B. All detected constituents tabulated; see laboratory analytical report for a complete list of specific constituents and results.

<x = Not detected at reporting limit x

SFBRWQCB ESLs = San Francisco Bay Regional Water Quality Control Board environmental screening levels - November 2007 (Revised May 2008)

--- = No applicable environmental screening level

APPENDIX A

BLAINE TECH SERVICES, INC. -
GROUNDWATER MONITORING REPORT

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

June 3, 2010

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

Second Quarter 2010 Groundwater Monitoring at
Former Shell-branded Service Station
2350 (2368) Harrison Street
Oakland, CA

Monitoring performed on May 18, 2010

Groundwater Monitoring Report 100518-FS-1

This report covers the routine monitoring of groundwater wells at this former Shell service station. 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.

SAN JOSE

SACRAMENTO

LOS ANGELES

SAN DIEGO

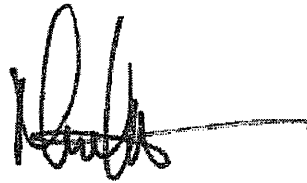
SEATTLE

1680 ROGERS AVENUE SAN JOSE, CA (408) 573-0555 FAX (408) 573-7771 LIC. 746684 www.blainetech.com

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,

A handwritten signature in black ink, appearing to read "Mike Ninokata", with a long horizontal flourish extending to the right.

Mike Ninokata
Project Manager

MN/np

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

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

WELL CONCENTRATIONS
Former Shell Service Station
2350 (2368) Harrison St.
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	Oil & Grease (ug/L)	Motor Oil (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE 8260 (ug/L)	ETBE 8260 (ug/L)	TAME 8260 (ug/L)	TBA 8260 (ug/L)	1,2 DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
S-1	06/09/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.93	5.92	4.01
S-1	06/11/2008	1,300	540 a,b	2,500	<250 a	46	<5.0	14	<5.0	<5.0	34	<10	<10	130	<2.5	<5.0	9.93	7.45	2.48
S-1	09/17/2008	3,100	550 a,b	2,400	<250 a	180	2.7	78	8.6	<1.0	30	<2.0	<2.0	150	<0.50	<1.0	9.93	5.05	4.88
S-1	12/11/2008	2,900	570 a,b	<1,000	<250 a	190	3.0	57	6.1	<1.0	31	<2.0	<2.0	160	<0.50	<1.0	9.93	6.87	3.06
S-1	02/25/2009	3,300	620 a,b	1,000	<250 a	270	<5.0	69	6.8	<5.0	26	<10	<10	180	<2.5	<5.0	9.93	4.05	5.88
S-1	05/26/2009	1,700	660 a,b	<1,000	NA	230	<5.0	51	5.3	<5.0	32	<10	<10	170	<2.5	<5.0	9.93	3.34	6.59
S-1	11/30/2009	2,200	510 a,b	<1,000	NA	200	3.0	42	2.6	<2.0	25	<4.0	<4.0	150	<1.0	<2.0	9.93	3.72	6.21
S-1	05/18/2010	1,600	710 a,b	<1,000	NA	180	3.0	34	2.3	<2.0	25	<4.0	<4.0	150	<1.0	<2.0	9.93	5.54	4.39
S-2	06/09/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.37	6.60	3.77
S-2	06/11/2008	960	800 a,b	1,300	<250 a	3.0	<5.0	<5.0	<5.0	<5.0	20	<10	<10	<50	<2.5	<5.0	10.37	6.80	3.57
S-2	09/17/2008	1,700	490 a,b	<1,000	<250 a	3.4	<1.0	8.3	1.1	<1.0	7.3	<2.0	<2.0	16	<0.50	<1.0	10.37	6.16	4.21
S-2	12/11/2008	1,800	210 a	<1,000	280 a	5.2	<1.0	6.9	1.2	<1.0	11	<2.0	<2.0	23	<0.50	<1.0	10.37	6.08	4.29
S-2	02/25/2009	2,100	590 a,b	<1,000	<250 a	7.7	2.6	3.8	2.0	<1.0	12	<2.0	<2.0	28	<0.50	<1.0	10.37	5.34	5.03
S-2	05/26/2009	1,200	570 a,b	<1,000	NA	6.2	1.5	3.6	1.4	NA	NA	NA	NA	NA	NA	NA	10.37	5.63	4.74
S-2	11/30/2009	1,200	480 a,b	<1,000	NA	4.7	1.3	1.5	1.5	NA	NA	NA	NA	NA	NA	NA	10.37	6.17	4.20
S-2	05/18/2010	1,300	740 a,b	1,900	NA	7.3	2.3	1.1	1.9	NA	NA	NA	NA	NA	NA	NA	10.37	5.61	4.76
S-3	06/09/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.49	6.93	3.56
S-3	06/11/2008	82	100 a,b	2,800	<250 a	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	<0.50	<1.0	10.49	7.45	3.04
S-3	09/17/2008	<50	<50 a	1,200	<250 a	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	<0.50	<1.0	10.49	6.86	3.63
S-3	12/11/2008	<50	92 a	<1,000	<250 a	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	<0.50	<1.0	10.49	6.74	3.75
S-3	02/25/2009	<50	<50 a	<1,000	<250 a	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	<0.50	<1.0	10.49	6.01	4.48
S-3	05/26/2009	<50	<50 a	<1,000	NA	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	10.49	6.58	3.91
S-3	11/30/2009	<50	<50 a	<1,000	NA	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	10.49	6.72	3.77
S-3	05/18/2010	<50	<50 a	<1,000	NA	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	10.49	6.51	3.98
S-4	06/09/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.56	7.11	3.45
S-4	06/11/2008	<50	56 a,b	2,400	<250 a	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	<0.50	<1.0	10.56	10.92	-0.36
S-4	09/17/2008	<50	51 a	<1,000	<250 a	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	<0.50	<1.0	10.56	6.43	4.13
S-4	12/11/2008	<50	140 a	4,400	<250 a	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	<0.50	<1.0	10.56	5.71	4.85
S-4	02/25/2009	<50	<50 a	<1,000	<250 a	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	<0.50	<1.0	10.56	5.71	4.85
S-4	05/26/2009	<50	80 a	<1,000	NA	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	10.56	5.72	4.84
S-4	11/30/2009	<50	<50 a	<1,000	NA	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	10.56	5.67	4.89
S-4	05/18/2010	<50	<50 a	1,200	NA	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	10.56	6.91	3.65

WELL CONCENTRATIONS
Former Shell Service Station
2350 (2368) Harrison St.
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	Oil & Grease (ug/L)	Motor Oil (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE 8260 (ug/L)	ETBE 8260 (ug/L)	TAME 8260 (ug/L)	TBA 8260 (ug/L)	1,2 DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
S-5	06/09/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.54	6.64	3.90
S-5	06/11/2008	<50	80 a,b	1,700	<250 a	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	<0.50	<1.0	10.54	6.67	3.87
S-5	09/17/2008	60	64 a,b	<1,000	<250 a	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	<0.50	<1.0	10.54	6.73	3.81
S-5	12/11/2008	54	63 a	<1,000	<250 a	<0.50	<1.0	<1.0	1.1	<1.0	<2.0	<2.0	<2.0	<10	<0.50	<1.0	10.54	6.77	3.77
S-5	02/25/2009	100	<50 a	<1,000	<250 a	<0.50	<1.0	1.1	1.1	<1.0	<2.0	<2.0	<2.0	<10	<0.50	<1.0	10.54	6.65	3.89
S-5	05/26/2009	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.54	NA	NA
S-5	11/30/2009	120	77 a	<1,000	NA	<0.50	<1.0	<1.0	1.1	NA	NA	NA	NA	NA	NA	NA	10.54	6.91	3.63
S-5	05/18/2010	77	140 a,b	<1,000	NA	<0.50	<1.0	1.1	1.1	NA	NA	NA	NA	NA	NA	NA	10.54	6.75	3.79
S-6	06/09/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.56	6.98	3.58
S-6	06/11/2008	6,500	2,900 a,b	2,700	<250 a	180	25	3.9	19.1	<1.0	18	<2.0	<2.0	190	<0.50	<1.0	10.56	7.04	3.52
S-6	09/17/2008	8,000	3,000 a,b	1,200	260 b,a	160	16	3.3	14.4	<1.0	8.7	<2.0	<2.0	65	<0.50	<1.0	10.56	6.92	3.64
S-6	12/11/2008	5,300	2,700 a,b	1,200	<250 a	120	7.3	<5.0	5.1	<5.0	<10	<10	<10	92	<2.5	<5.0	10.56	4.80	5.76
S-6	02/25/2009	6,100	1,700 a,b	<1,000	<250 a	82	6.3	<5.0	<5.0	<5.0	<10	<10	<10	88	<2.5	<5.0	10.56	6.30	4.26
S-6	05/26/2009	3,400	2,100 a,b	<1,000	NA	50	4.0	<1.0	4.6	<1.0	7.8	<2.0	<2.0	69	<0.50	<1.0	10.56	6.87	3.69
S-6	11/30/2009	2,200	950 a,b	<1,000	NA	33	3.6	<1.0	2.1	<1.0	4.6	<2.0	<2.0	40	<0.50	<1.0	10.56	6.94	3.62
S-6	05/18/2010	1,400	820 a,b	1,000	NA	27	5.6	<1.0	2.9	<1.0	6.0	<2.0	<2.0	62	<0.50	<1.0	10.56	6.73	3.83

WELL CONCENTRATIONS
Former Shell Service Station
2350 (2368) Harrison St.
Oakland, CA

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

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B

TEPH = Total petroleum hydrocarbons as diesel by EPA Method 8260B

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B

MTBE = Methyl tertiary butyl ether

DIPE = Di-isopropyl ether, analyzed by EPA Method 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, analyzed by EPA Method 8260B.

1,2 DCA = 1,2-Dichloroethane

EDB = 1,2-Dibromoethane

TOC = Top of Casing Elevation

GW = Groundwater

ug/L = Parts per billion

ppm = Parts per million

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

NA = Not applicable

ND = Not detected

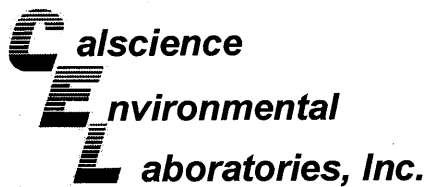
Notes:

Oil & Grease analyzed by EPA Method 1664A.

Motor Oil analyzed by EPA Method 8015B (M).

a = The sample extract was subjected to Silica Gel treatment prior to analysis.

b = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specific standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specific standard.



June 01, 2010

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

Subject: **Calscience Work Order No.: 10-05-1535**
Client Reference: **2350 (2368) Harrison St., Oakland, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 5/20/2010 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 that reads "Philip Samelle for".

Calscience Environmental
Laboratories, Inc.
Xuan H. Dang
Project Manager

Analytical Report



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

Date Received: 05/20/10
 Work Order No: 10-05-1535
 Preparation: EPA 3510C
 Method: EPA 8015B

Project: 2350 (2368) Harrison St., Oakland, CA

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-1	10-05-1535-1-E	05/18/10 12:23	Aqueous	GC 46	05/21/10	05/22/10 02:26	100521B05

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.
 -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	710	50	1		ug/L
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	123	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-2	10-05-1535-2-E	05/18/10 12:05	Aqueous	GC 46	05/21/10	05/22/10 02:43	100521B05

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.
 -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	740	50	1		ug/L
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	127	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-3	10-05-1535-3-E	05/18/10 11:28	Aqueous	GC 46	05/21/10	05/22/10 02:59	100521B05

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	128	68-140			

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

Analytical Report



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

Date Received: 05/20/10
 Work Order No: 10-05-1535
 Preparation: EPA 3510C
 Method: EPA 8015B

Project: 2350 (2368) Harrison St., Oakland, CA

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-4	10-05-1535-4-E	05/18/10 11:42	Aqueous	GC 46	05/21/10	05/22/10 03:14	100521B05

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	119	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5	10-05-1535-5-E	05/18/10 11:54	Aqueous	GC 46	05/21/10	05/22/10 03:30	100521B05

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

-The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	140	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	127	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-6	10-05-1535-6-E	05/18/10 12:35	Aqueous	GC 46	05/21/10	05/22/10 03:45	100521B05

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

-The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	820	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	113	68-140			

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

Analytical Report



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

Date Received: 05/20/10
 Work Order No: 10-05-1535
 Preparation: EPA 3510C
 Method: EPA 8015B

Project: 2350 (2368) Harrison St., Oakland, CA

Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-211-1,675	N/A	Aqueous	GC 46	05/21/10	05/21/10 20:55	100521B05

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	83	68-140			

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

Analytical Report

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

Date Received: 05/20/10
Work Order No: 10-05-1535
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 2350 (2368) Harrison St., Oakland, CA

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-1	10-05-1535-1-B	05/18/10 12:23	Aqueous	GC/MS LL	05/28/10	05/28/10 17:51	100528L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	100	2		c-1,3-Dichloropropene	ND	1.0	2	
Benzene	180	1.0	2		t-1,3-Dichloropropene	ND	1.0	2	
Bromobenzene	ND	2.0	2		Ethylbenzene	34	2.0	2	
Bromochloromethane	ND	2.0	2		2-Hexanone	ND	20	2	
Bromodichloromethane	ND	2.0	2		Isopropylbenzene	11	2.0	2	
Bromoform	ND	2.0	2		p-Isopropyltoluene	ND	2.0	2	
Bromomethane	ND	20	2		Methylene Chloride	ND	20	2	
2-Butanone	ND	20	2		4-Methyl-2-Pentanone	ND	20	2	
n-Butylbenzene	2.6	2.0	2		Naphthalene	ND	20	2	
sec-Butylbenzene	4.2	2.0	2		n-Propylbenzene	6.5	2.0	2	
tert-Butylbenzene	ND	2.0	2		Styrene	ND	2.0	2	
Carbon Disulfide	ND	20	2		1,1,1,2-Tetrachloroethane	ND	2.0	2	
Carbon Tetrachloride	ND	1.0	2		1,1,2,2-Tetrachloroethane	ND	2.0	2	
Chlorobenzene	ND	2.0	2		Tetrachloroethane	ND	2.0	2	
Chloroethane	ND	10	2		Toluene	3.0	2.0	2	
Chloroform	ND	2.0	2		1,2,3-Trichlorobenzene	ND	2.0	2	
Chloromethane	ND	20	2		1,2,4-Trichlorobenzene	ND	2.0	2	
2-Chlorotoluene	ND	2.0	2		1,1,1-Trichloroethane	ND	2.0	2	
4-Chlorotoluene	ND	2.0	2		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	20	2	
Dibromochloromethane	ND	2.0	2		1,1,2-Trichloroethane	ND	2.0	2	
1,2-Dibromo-3-Chloropropane	ND	10	2		Trichloroethene	ND	2.0	2	
1,2-Dibromoethane	ND	2.0	2		Trichlorofluoromethane	ND	20	2	
Dibromomethane	ND	2.0	2		1,2,3-Trichloropropane	ND	10	2	
1,2-Dichlorobenzene	ND	2.0	2		1,2,4-Trimethylbenzene	ND	2.0	2	
1,3-Dichlorobenzene	ND	2.0	2		1,3,5-Trimethylbenzene	ND	2.0	2	
1,4-Dichlorobenzene	ND	2.0	2		Vinyl Acetate	ND	20	2	
Dichlorodifluoromethane	ND	2.0	2		Vinyl Chloride	ND	1.0	2	
1,1-Dichloroethane	ND	2.0	2		Xylenes (total)	2.3	2.0	2	
1,2-Dichloroethane	ND	1.0	2		Methyl-t-Butyl Ether (MTBE)	ND	2.0	2	
1,1-Dichloroethene	ND	2.0	2		Tert-Butyl Alcohol (TBA)	150	20	2	
c-1,2-Dichloroethene	ND	2.0	2		Diisopropyl Ether (DIPE)	25	4.0	2	
t-1,2-Dichloroethene	ND	2.0	2		Ethyl-t-Butyl Ether (ETBE)	ND	4.0	2	
1,2-Dichloropropane	ND	2.0	2		Tert-Amyl-Methyl Ether (TAME)	ND	4.0	2	
1,3-Dichloropropane	ND	2.0	2		Ethanol	ND	200	2	
2,2-Dichloropropane	ND	2.0	2		TPPH	1600	100	2	
1,1-Dichloropropene	ND	2.0	2						
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
Dibromofluoromethane	102	80-132			1,2-Dichloroethane-d4	109	80-141		
Toluene-d8-TPPH	100	88-112			Toluene-d8	104	80-120		
1,4-Bromofluorobenzene	98	76-120							

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

Analytical Report



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

Date Received: 05/20/10
 Work Order No: 10-05-1535
 Preparation: EPA 5030B
 Method: LUFT GC/MS / EPA 8260B
 Units: ug/L

Project: 2350 (2368) Harrison St., Oakland, CA

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-6	10-05-1535-6-B	05/18/10 12:35	Aqueous	GC/MS LL	05/28/10	05/28/10 18:21	100528L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	27	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	3.4	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	1.1	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	2.2	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	1.0	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	5.0	1		Toluene	5.6	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		Xylenes (total)	2.9	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	62	10	1	
c-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	6.0	2.0	1	
t-1,2-Dichloroethene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
2,2-Dichloropropane	ND	1.0	1		TPPH	1400	50	1	
1,1-Dichloropropene	ND	1.0	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	97	80-132			1,2-Dichloroethane-d4	104	80-141		
Toluene-d8-TPPH	100	88-112			Toluene-d8	104	80-120		
1,4-Bromofluorobenzene	100	76-120							

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

Analytical Report

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

 Date Received: 05/20/10
 Work Order No: 10-05-1535
 Preparation: EPA 5030B
 Method: LUFT GC/MS / EPA 8260B
 Units: ug/L

Project: 2350 (2368) Harrison St., Oakland, CA

Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-4,015	N/A	Aqueous	GC/MS LL	05/28/10	05/28/10 14:50	100528L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethane	ND	1.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		Xylenes (total)	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
c-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
t-1,2-Dichloroethene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
2,2-Dichloropropane	ND	1.0	1		TPPH	ND	50	1	
1,1-Dichloropropene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
Dibromofluoromethane	101	80-132			1,2-Dichloroethane-d4	102	80-141		
Toluene-d8	101	80-120			Toluene-d8-TPPH	97	88-112		
1,4-Bromofluorobenzene	96	76-120							

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

Analytical Report



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

Date Received: 05/20/10
 Work Order No: 10-05-1535
 Preparation: EPA 5030B
 Method: LUFT GC/MS / EPA 8260B
 Units: ug/L

Project: 2350 (2368) Harrison St., Oakland, CA

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-2	10-05-1535-2-C	05/18/10 12:05	Aqueous	GC/MS LL	05/28/10	05/28/10 16:51	100528L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	7.3	0.50	1		Xylenes (total)	1.9	1.0	1	
Ethylbenzene	1.1	1.0	1		TPPH	1300	50	1	
Toluene	2.3	1.0	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	101	80-132			1,2-Dichloroethane-d4	104	80-141		
Toluene-d8-TPPH	103	88-112			Toluene-d8	107	80-120		
1,4-Bromofluorobenzene	98	76-120							

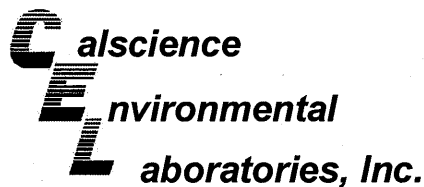
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-3	10-05-1535-3-C	05/18/10 11:28	Aqueous	GC/MS LL	05/28/10	05/28/10 15:20	100528L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	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	103	80-132			1,2-Dichloroethane-d4	107	80-141		
Toluene-d8-TPPH	98	88-112			Toluene-d8	102	80-120		
1,4-Bromofluorobenzene	95	76-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-4	10-05-1535-4-B	05/18/10 11:42	Aqueous	GC/MS LL	05/27/10	05/27/10 17:04	100527L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	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	99	80-132			1,2-Dichloroethane-d4	107	80-141		
Toluene-d8-TPPH	96	88-112			Toluene-d8	99	80-120		
1,4-Bromofluorobenzene	100	76-120							

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



Analytical Report



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

Date Received: 05/20/10
Work Order No: 10-05-1535
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 2350 (2368) Harrison St., Oakland, CA

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5	10-05-1535-5-C	05/18/10 11:54	Aqueous	GC/MS LL	05/28/10	05/28/10 17:21	100528L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	1.1	1.0	1	
Ethylbenzene	1.1	1.0	1		TPPH	77	50	1	
Toluene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
Dibromofluoromethane	101	80-132			1,2-Dichloroethane-d4	104	80-141		
Toluene-d8-TPPH	96	88-112			Toluene-d8	100	80-120		
1,4-Bromofluorobenzene	97	76-120							

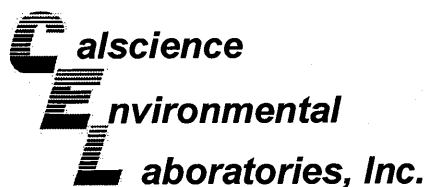
Method Blank	099-12-767-4:011	N/A	Aqueous	GC/MS LL	05/27/10	05/27/10 16:04	100527L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
Dibromofluoromethane	100	80-132			1,2-Dichloroethane-d4	105	80-141		
Toluene-d8-TPPH	95	88-112			Toluene-d8	99	80-120		
1,4-Bromofluorobenzene	99	76-120							

Method Blank	099-12-767-4:015	N/A	Aqueous	GC/MS LL	05/28/10	05/28/10 14:50	100528L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
Dibromofluoromethane	101	80-132			1,2-Dichloroethane-d4	102	80-141		
Toluene-d8-TPPH	97	88-112			Toluene-d8	101	80-120		
1,4-Bromofluorobenzene	96	76-120							

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



Analytical Report



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

Date Received: 05/20/10
Work Order No: 10-05-1535

Project: 2350 (2368) Harrison St., Oakland, CA

Page 1 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-1	10-05-1535-1	05/18/10	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	ND	1.0	1		mg/L	05/25/10	05/25/10	EPA 1664A

S-2	10-05-1535-2	05/18/10	Aqueous
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Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	1.9	1.0	1		mg/L	05/25/10	05/25/10	EPA 1664A

S-3	10-05-1535-3	05/18/10	Aqueous
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Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	ND	1.0	1		mg/L	05/25/10	05/25/10	EPA 1664A

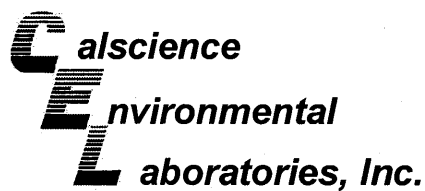
S-4	10-05-1535-4	05/18/10	Aqueous
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Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	1.2	1.0	1		mg/L	05/25/10	05/25/10	EPA 1664A

S-5	10-05-1535-5	05/18/10	Aqueous
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Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	ND	1.0	1		mg/L	05/25/10	05/25/10	EPA 1664A

RL - Reporting Limit DF - Dilution Factor Qual - Qualifiers



Analytical Report



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

Date Received: 05/20/10
Work Order No: 10-05-1535

Project: 2350 (2368) Harrison St., Oakland, CA

Page 2 of 2

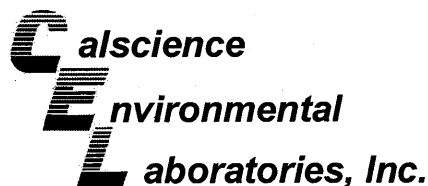
Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-6	10-05-1535-6	05/18/10	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	1.0	1.0	1		mg/L	05/25/10	05/25/10	EPA 1664A

Method Blank	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
	N/A				Aqueous			

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	ND	1.0	1		mg/L	05/25/10	05/25/10	EPA 1664A

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

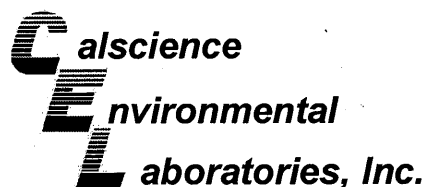
Date Received: 05/20/10
Work Order No: 10-05-1535
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 2350 (2368) Harrison St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-3	Aqueous	GC/MS/LL	05/28/10	05/28/10	100528S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	104	102	72-120	2	0-20	
Carbon Tetrachloride	103	101	63-135	3	0-20	
Chlorobenzene	102	100	80-120	2	0-20	
1,2-Dibromoethane	105	104	80-120	1	0-20	
1,2-Dichlorobenzene	96	93	80-120	4	0-20	
1,1-Dichloroethene	103	99	60-132	4	0-24	
Ethylbenzene	104	101	78-120	2	0-20	
Toluene	106	105	74-122	1	0-20	
Trichloroethene	109	105	69-120	4	0-20	
Vinyl Chloride	93	92	58-130	2	0-20	
Methyl-t-Butyl Ether (MTBE)	98	93	72-126	5	0-21	
Tert-Butyl Alcohol (TBA)	105	101	72-126	4	0-20	
Diisopropyl Ether (DIPE)	102	98	71-137	4	0-23	
Ethyl-t-Butyl Ether (ETBE)	93	89	74-128	4	0-20	
Tert-Amyl-Methyl Ether (TAME)	96	94	76-124	3	0-20	
Ethanol	136	131	35-167	4	0-48	

RPD - Relative Percent Difference, CL - Control Limit



Quality Control - Spike/Spike Duplicate



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

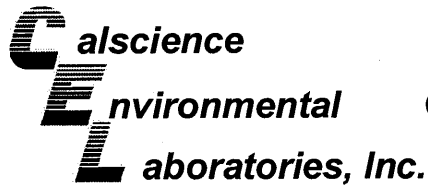
Date Received: 05/20/10
Work Order No: 10-05-1535
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 2350 (2368) Harrison St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-4	Aqueous	GC/MS LL	05/27/10	05/27/10	100527S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	91	72-120	3	0-20	
Carbon Tetrachloride	90	88	63-135	2	0-20	
Chlorobenzene	96	92	80-120	5	0-20	
1,2-Dibromoethane	98	91	80-120	8	0-20	
1,2-Dichlorobenzene	91	85	80-120	6	0-20	
1,1-Dichloroethene	85	83	60-132	3	0-24	
Ethylbenzene	97	94	78-120	3	0-20	
Toluene	98	95	74-122	3	0-20	
Trichloroethene	98	97	69-120	0	0-20	
Vinyl Chloride	93	95	58-130	2	0-20	
Methyl-t-Butyl Ether (MTBE)	89	82	72-126	8	0-21	
Tert-Butyl Alcohol (TBA)	94	86	72-126	9	0-20	
Diisopropyl Ether (DIPE)	90	84	71-137	7	0-23	
Ethyl-t-Butyl Ether (ETBE)	82	76	74-128	7	0-20	
Tert-Amyl-Methyl Ether (TAME)	91	86	76-124	6	0-20	
Ethanol	123	102	35-167	19	0-48	

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:
Work Order No:

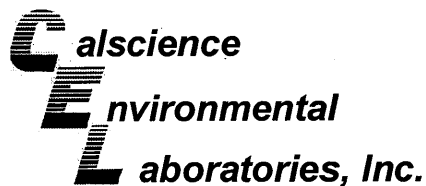
N/A
10-05-1535

Project: 2350 (2368) Harrison St., Oakland, CA

Matrix: Aqueous or Solid

<u>Parameter</u>	<u>Method</u>	<u>Quality Control Sample ID</u>	<u>Date Analyzed</u>	<u>Date Extracted</u>	<u>MS% REC</u>	<u>MSD % REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
HEM: Oil and Grease	EPA 1664A	10-05-1731-1	05/25/10	5/25/10	87	91	78-114	5	0-18	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

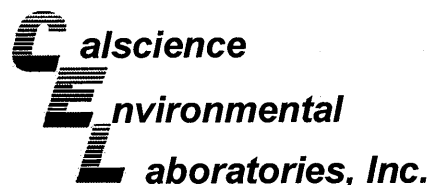
Date Received: N/A
Work Order No: 10-05-1535
Preparation: EPA 3510C
Method: EPA 8015B

Project: 2350 (2368) Harrison St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-211-1,675	Aqueous	GC 46	05/21/10	05/21/10	100521B05

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	110	106	75-117	3	0-13	

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: 10-05-1535
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 2350 (2368) Harrison St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-12-767-4.015	Aqueous	GC/MS LL	05/28/10	05/28/10	100528L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	108	107	80-122	73-129	1	0-20	
Carbon Tetrachloride	105	105	68-140	56-152	0	0-20	
Chlorobenzene	104	106	80-120	73-127	3	0-20	
1,2-Dibromoethane	106	107	80-121	73-128	1	0-20	
1,2-Dichlorobenzene	102	101	80-120	73-127	1	0-20	
1,1-Dichloroethene	107	106	72-132	62-142	1	0-25	
Ethylbenzene	107	107	80-126	72-134	0	0-20	
Toluene	112	110	80-121	73-128	2	0-20	
Trichloroethene	115	112	80-123	73-130	2	0-20	
Vinyl Chloride	95	94	67-133	56-144	1	0-20	
Methyl-t-Butyl Ether (MTBE)	98	99	75-123	67-131	1	0-20	
Tert-Butyl Alcohol (TBA)	105	103	75-123	67-131	2	0-20	
Diisopropyl Ether (DIPE)	103	104	71-131	61-141	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	94	94	76-124	68-132	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	102	99	80-123	73-130	2	0-20	
Ethanol	128	127	61-139	48-152	1	0-27	
TPPH	90	94	65-135	53-147	4	0-30	

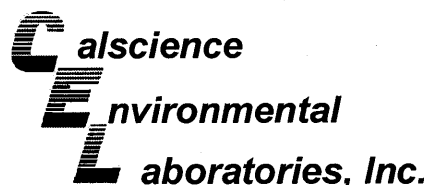
Total number of LCS compounds : 17

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

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: 10-05-1535
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 2350 (2368) Harrison St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-12-767-4,011	Aqueous	GC/MS LL	05/27/10	05/27/10	100527L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	92	94	80-122	73-129	2	0-20	
Carbon Tetrachloride	89	91	68-140	56-152	2	0-20	
Chlorobenzene	93	95	80-120	73-127	2	0-20	
1,2-Dibromoethane	94	94	80-121	73-128	0	0-20	
1,2-Dichlorobenzene	93	93	80-120	73-127	1	0-20	
1,1-Dichloroethene	85	87	72-132	62-142	2	0-25	
Ethylbenzene	96	97	80-126	72-134	1	0-20	
Toluene	97	99	80-121	73-128	3	0-20	
Trichloroethene	98	100	80-123	73-130	2	0-20	
Vinyl Chloride	90	100	67-133	56-144	10	0-20	
Methyl-t-Butyl Ether (MTBE)	88	89	75-123	67-131	2	0-20	
Tert-Butyl Alcohol (TBA)	93	96	75-123	67-131	4	0-20	
Diisopropyl Ether (DIPE)	88	90	71-131	61-141	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	81	83	76-124	68-132	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	90	92	80-123	73-130	2	0-20	
Ethanol	119	112	61-139	48-152	5	0-27	
TPPH	93	93	65-135	53-147	0	0-30	

Total number of LCS compounds : 17

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference, CL - Control Limit



Environmental Quality Control - Laboratory Control Sample
Laboratories, Inc.



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

Date Received:
 Work Order No:

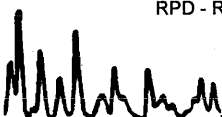
N/A
 10-05-1535

Project: 2350 (2368) Harrison St., Oakland, CA

Matrix: Aqueous or Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	Conc. Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
HEM: Oil and Grease	EPA 1664A	099-05-119-2,372	05/25/10	05/25/10	40.0	36.5	91	78-114	

RPD - Relative Percent Difference , CL - Control Limit

 7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501

Work Order Number: 10-05-1535

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
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 or PES/PESD 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 without further clarification.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
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.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis. Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

LAB (LOCATION)

- CALSCIENCE ()
- SPL ()
- XENCO ()
- TEST AMERICA ()
- OTHER ()



Shell Oil Products Chain Of Custody Record

Please Check Appropriate Box:

<input type="checkbox"/> ENV. SERVICES	<input type="checkbox"/> MOTIVA RETAIL	<input type="checkbox"/> SHELL RETAIL
<input type="checkbox"/> MOTIVA SD&CM	<input checked="" type="checkbox"/> CONSULTANT	<input type="checkbox"/> LUBES
<input type="checkbox"/> SHELL PIPELINE	<input type="checkbox"/> OTHER	

Print Bill To Contact Name: Peter Schaefer 060119

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

PO # _____ SAP # _____

CHECK IF NO INCIDENT # APPLIES

DATE: 5-18-10

PAGE: 1 of 1

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 - Copy to Shell.Lab.Billing@croworld.com

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

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: Run TPH-d, TPH-mo w/Silica Gel Clean Up

SHELL CONTRACT RATE APPLIES

STATE REIMBURSEMENT RATE APPLIES

EDD NOT NEEDED

RECEIPT VERIFICATION REQUESTED

SITE ADDRESS: Street and City: 2350 (2368) Harrison St., Oakland State: CA GLOBAL ID NO: T0600102237

EDF DELIVERABLE TO (Name, Company, Office Location): Anni Kremi, CRA, Emeryville PHONE NO: (510) 420-3335 E-MAIL: Shelledf@croworld.com

SAMPLER NAME(S) (P-#): F. SPINWINGTON C

CONSULTANT PROJECT NO: 100513-131

BTS #: _____

LAB USE ONLY: 10-051535

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	PRESERVATIVE					NO. OF CONT.	REQUESTED ANALYSIS													TEMPERATURE ON RECEIPT, °C	Container PID Readings or Laboratory Notes			
		DATE	TIME		HCL	HNO3	H2SO4	NONE	OTHER		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)			VOC's 8260	TPH-MO (8015M)	Oil & Grease (1664A)
1	S-1	5-18-10	1223	W	✓		✓	✓		6	X	X	X										X		X			
2	S-2		1205		✓		✓	✓		6	X	X	X												X			
3	S-3		1128		✓		✓	✓		6	X	X	X												X			
4	S-4		1142		✓		✓	✓		6	X	X	X												X			
5	S-5		1154		✓		✓	✓		6	X	X	X												X			
6	S-6		1235		✓		✓	✓		6	X	X	X										X		X			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		5-18-10	1900
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
(Sample Custodian)	Tom Donnelly CEZ	5-19-10	1200
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Tom Donnelly TO GSO 5/19/10 1730	Webath CEZ	5/20/10	0830



1535

< WebShip > > > >
800-322-5555 www.gso.com

Ship From: ALAN KEMP CAL SCIENCE- CONCORD 5063 COMMERCIAL CIRCLE #H CONCORD, CA 94520	Tracking #: 514185881 	NPS
	<div style="display: flex; justify-content: space-between;"> <div style="font-size: 2em; font-weight: bold;">ORC</div> <div style="font-size: 2em; font-weight: bold; border: 1px solid black; padding: 5px;">D</div> </div> <p style="font-size: 1.2em; font-weight: bold;">GARDEN GROVE</p>	
Ship To: SAMPLE RECEIVING CEL 7440 LINCOLN WAY GARDEN GROVE, CA 92841	<div style="font-size: 1.5em; font-weight: bold;">D92843A</div>	
COD: \$0.00	<div style="font-size: 0.8em; font-weight: bold;">81744970</div>	
Reference: BTS		
Delivery Instructions:		
Signature Type: SIGNATURE REQUIRED		

Print Date : 05/19/10 15:59 PM

Package 1 of 1

Send Label To Printer	<input checked="" type="checkbox"/> Print All	Edit Shipment	Finish
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LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.

STEP 1 - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.

STEP 2 - Fold this page in half.

STEP 3 - Securely attach this label to your package, do not cover the barcode.

STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

ADDITIONAL OPTIONS:

Send Label Via Email	Create Return Label
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TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all the service terms and conditions described in this section.

Our liability for loss or damage to any package is limited to your actual damages or \$100 whichever is less, unless you pay for and declare a higher authorized value. If you declare a higher value and pay the additional charge, our liability will be the lesser of your declared value or the actual value of your loss or damage. In any event, we will not be liable for any damage, whether direct, incidental, special or consequential, in excess of the declared value of a shipment whether or not we had knowledge that such damage might be incurred including but not limited to loss of income or profit. We will not be liable for your acts or omissions, including but not limited to improper or insufficient packaging, securing, marking or addressing. Also, we will not be liable if you or the recipient violates any of the terms of our agreement. We will not be liable for loss, damage or delay caused by events we cannot control, including but not limited to acts of God, perils of the air, weather conditions, act of public enemies, war, strikes, or civil commotion. The highest declared value for our GSO Priority Letter or GSO Priority Package is \$500. For other shipments the highest declared value is \$10,000 unless your package contains items of "extraordinary value", in which case the highest declared value we allow is \$500. Items of "extraordinary value" include, but are not limited to, artwork, jewelry, furs, precious metals, tickets, negotiable instruments and other items with intrinsic value.

WORK ORDER #: 10-05-11535

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: BTS

DATE: 05/20/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0°C – 6.0°C, not frozen)

Temperature 1.7 °C + 0.5°C (CF) = 2.2 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter Metals Only PCBs Only Initial: WS

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Initial: WS

Sample _____ No (Not Intact) Not Present Initial: WSC

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (____) EnCores® TerraCores® _____

Water: VOA VOA³h VOAna₂ 125AGB 125AGBh 125AGBp 1AGB 1AGBna₂ 1AGBs

500AGB 500AGJ² 500AGJs 250AGB 250CGB 250CGBs 1PB 500PB 500PBna

250PB 250PBn 125PB 125PBz³na 100PJ 100PJna₂ _____ _____ _____

Air: Tedlar® Summa® **Other:** _____ **Trip Blank Lot#:** _____ **Labeled/Checked by:** WSC

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** TC

Preservative: h: HCL n: HNO₃ na₂: Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ z³na: ZnAc₂+NaOH f: Field-filtered **Scanned by:** WSC

WELL GAUGING DATA

Project # 100518-FS Date 5-18-10 Client SHELL

Site 2350 HARRISON ST. 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
S-1	911	4					5.54	15.70	TOC	
S-2	906	4					5.61	15.57	↓	
S-3	902	4				6.51	20.23			
S-4	852	4				6.91	20.63			
S-5	845	4				6.75	16.11			
S-6	857	4				6.73	15.30			

SHELL WELL MONITORING DATA SHEET

BTS #: <u>100518-FS1</u>	Site: <u>2350 HARRISON ST. OAKLAND, CA</u>
Sampler: <u>FS</u>	Date: <u>5-18-10</u>
Well I.D.: <u>S-1</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth (TD): <u>15.70</u>	Depth to Water (DTW): <u>5.54</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>7.57</u>	

Purge Method: Bailer Water Peristaltic Sampling Method: (Bailer)
 Disposable Bailer Extraction Pump Disposable Bailer
 Positive Air Displacement Other _____ Extraction Port
(Electric Submersible) Other _____ Dedicated Tubing

$\underline{6.7} \text{ (Gals.)} \times \underline{3} = \underline{20.1} \text{ Gals.}$ 1 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 μ S)	Turbidity (NTUs)	Gals. Removed	Observations
10 15	64.3	6.4	866	9	6.7	<u>ODOR</u> DTW:
—	<u>WELL</u>	<u>DEWATERED</u>		<u>@ 11</u>	<u>GALLONS</u>	<u>13.15'</u>
12 23	64.3	6.4	10.95 μ S	24	—	<u>ODOR</u>

Did well dewater? (Yes) No Gallons actually evacuated: 71

Sampling Date: 5-18-10 Sampling Time: 12 23 Depth to Water: 11.84 (2 hrs)

Sample I.D.: S-1 Laboratory: (CalScience) Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) (Other) SEE C.O.C.

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

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) 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

SHEET WELL MONITORING DATA SHEET

BTS #: <u>100518-FS1</u>	Site: <u>2350 HARRISON ST. OAKLAND, CA</u>
Sampler: <u>FS</u>	Date: <u>5-18-10</u>
Well I.D.: <u>S-3</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): <u>20.23</u>	Depth to Water (DTW): <u>6.51</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>9.25</u>	

Purge Method: Bailer Waterra Sampling Method: Bailer
 Disposable Bailer Peristaltic Disposable Bailer
 Positive Air Displacement Extraction Pump Extraction Port
Electric Submersible Other _____ Dedicated Tubing

$\underline{9.0} \text{ (Gals.)} \times \underline{3} = \underline{27.0} \text{ Gals.}$ 1 Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <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 <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
928	66.9	6.4	2029	28	9	DTW:
931	66.6	6.8	3045	57	18	17.35'
<u>WELL</u>		<u>DEWATERED</u>		<u>18</u>	<u>GALLONS</u>	<u>↑</u>
1128	65.2	7.2	2772	95	—	

Did well dewater? Yes No Gallons actually evacuated: 18

Sampling Date: 5-18-10 Sampling Time: 1128 Depth to Water: 15.21 (2 hrs)

Sample I.D.: S-3 Laboratory: CalScience Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other SEE C.O.C.

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

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) 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>100518-FS1</u>	Site: <u>2350 HARRISON ST. OAKLAND, CA</u>
Sampler: <u>FS</u>	Date: <u>5-18-10</u>
Well I.D.: <u>S-5</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): <u>16.11</u>	Depth to Water (DTW): <u>6.75</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>8.62</u>	

Purge Method: Bailer Waterra Sampling Method: Bailer
 Disposable Bailer Peristaltic Disposable Bailer
 Positive Air Displacement Extraction Pump Extraction Port
Electric Submersible Other _____ Dedicated Tubing

$\underline{6.1} \text{ (Gals.)} \times \underline{3} = \underline{18.3} \text{ Gals.}$	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <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														
1 Case Volume	Specified Volumes	Calculated Volume															

Time	Temp (°F)	pH	Cond. (ms or µS)	Turbidity (NTUs)	Gals. Removed	Observations
954	64.5	6.5	12.87	20	6.1	
—	WELL	DOW AT PBD			10 GALLONS	
1154	63.7	7.0	13.34	28	—	

Did well dewater? Yes No Gallons actually evacuated: 10

Sampling Date: 5-18-10 Sampling Time: 1154 Depth to Water: 10.83 (2 hrs)

Sample I.D.: S-5 Laboratory: CalScience Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other SEE C.O.C.

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

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) 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

