CONESTOGA-ROVERS & ASSOCIATES

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

TRANSMITTAL

DATE: February 3, 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

Please find enclosed:
- ☐ Draft
- ☐ Originals
- ☐ Prints
- ☒ Final
- ☐ Other

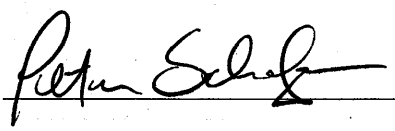
Sent via:
- ☐ Mail
- ☐ Overnight Courier
- ☐ Same Day Courier
- ☒ Other GeoTracker and Alameda County FTP

QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report – Fourth Quarter 2009

- ☐ As Requested
- ☐ For Your Use
- ☒ For Review and Comment
- ☐
- ☐

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, 20945 S. Wilmington Avenue, Carson, CA 90810
Richard Burge, 490 Grand Avenue, Suite 100, Oakland, CA 94610

Completed by: Peter Schaefer Signed: 

Filing: **Correspondence File**

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

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

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,

Denis L. Brown
Project Manager

GROUNDWATER MONITORING REPORT - FOURTH QUARTER 2009

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

SAP CODE 173318
INCIDENT NO. 97743969
AGENCY NO. RO0000505

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

FEBRUARY 3, 2010
REF. NO. 060119 (12)
This report is printed on recycled paper.

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LIST OF APPENDICES

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 December 17, 2009.

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 August 12, 2009 *Soil Vapor Probe Sampling Report* presented the results of our May 28, 2009 soil vapor probe sampling event.

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* and revised the soil vapor investigation proposal presented in CRA's August 12, 2009 *Soil Vapor Probe Sampling Report.*

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Variable
Hydraulic Gradient	Variable
Depth to Water	3.72 to 6.94 feet below top of well casing

2.3 PROPOSED ACTIVITIES

CRA's January 26, 2010 *Subsurface Investigation Work Plan Addendum No.2* proposed further additions to the soil vapor investigation based on comments in Alameda County Environmental Health's December 17, 2009 letter. CRA will submit a report detailing the off-site subsurface investigation and soil vapor investigation by April 23, 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.

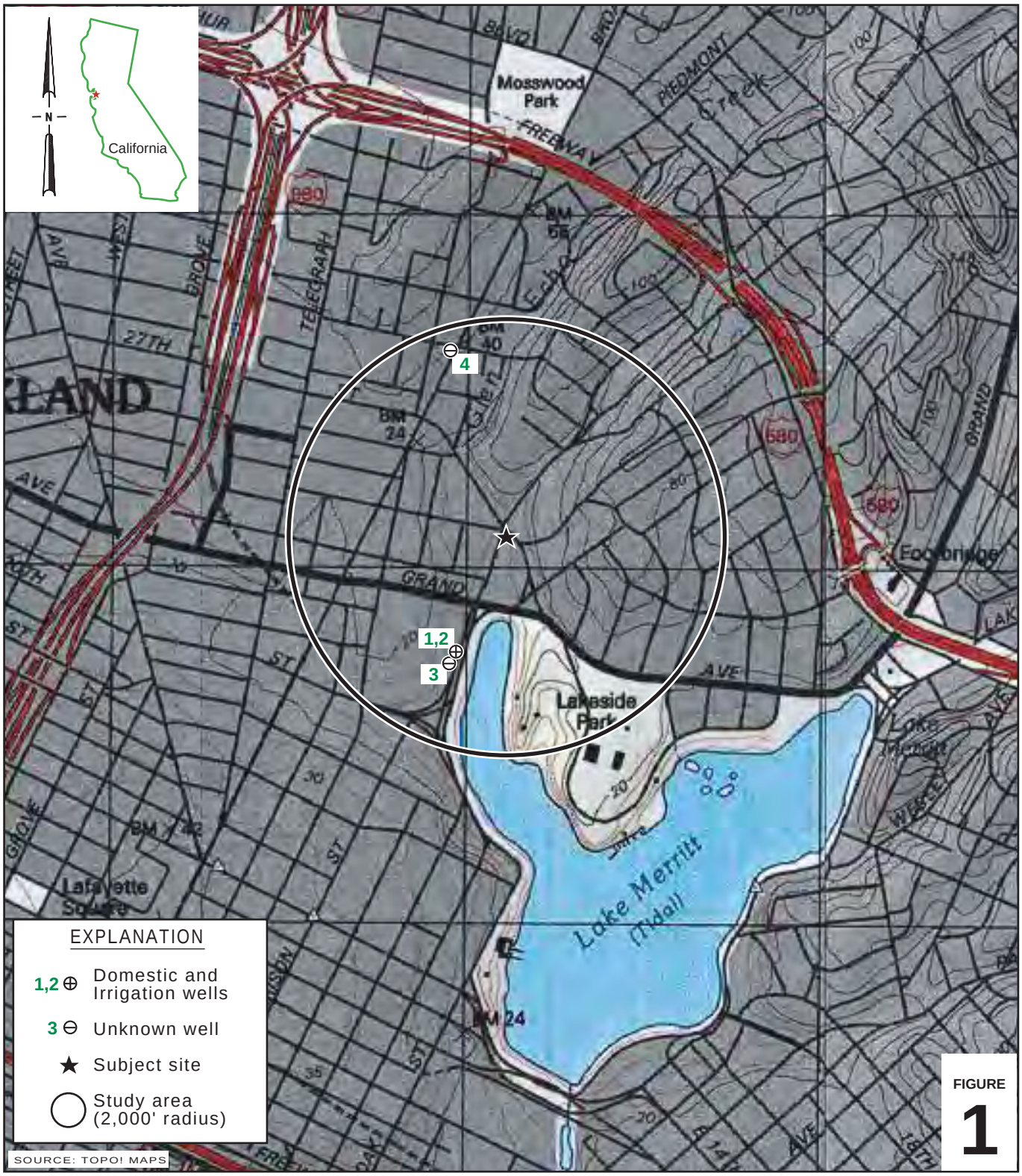
All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Peter Schaefer, CHG, CEG

Aubrey K. Cool, PG

FIGURES

10/31/08



I:\Shell\6-chars\0601-\060119-Oakland 2350 Harrison St\060119-FIGURES\060119 VICINITY.AI

FIGURE
1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Former Shell Service Station

2350 (2368) Harrison Street

Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

01/27/10

Groundwater Contour and Chemical Concentration Map

November 30, 2009

EXPLANATION

- S-1 — Monitoring well location
- STM — Storm drain (STM)
- SAN — Sanitary sewer line (SAN)
- W — Water line (W)
- E — Electrical line (E)
- G — Gas line (G)
- T — Telecommunications line (T)
- Unknown utility line, indicated by private utility locator
- XX.XX — Groundwater elevation contour, in feet above mean sea level (msl)
- Well / ELEV / TPHg / Benzene — Well designation; Groundwater elevation, in feet above msl; TPHg and benzene concentrations are in micrograms per liter

Notes:
ND = Not detected

HARRISON STREET

HARRISON STREET

Underground Culvert & Storm Drain (Approx.)

Median

BAY PLACE

Median

Street Light (typ.)

Planter

Sign

Light Pole

Former Shell Station
2368 Harrison St.

Driveway

Driveway

Former Dispenser Islands

Former Dispenser Island

Sidewalk

Driveway

Light Pole

Planter

Sidewalk

Former USTs

Former Waste Oil UST

Former Station Building

Sidewalk

Lamp Post

Light Pole

SAN

Fenced Enclosure

7-11 Store Building
2350 Harrison St.

Former Tire/Wheel Hoist

Former Drive-on Hoist

Planter

S-1	6.21	2,200	200
S-2	4.20	1,200	4.7
S-3	3.77	ND	ND
S-4	4.89	ND	ND
S-5	3.63	120	ND
S-6	3.62	2,200	33

4.25 5.00 5.75

Beck's BMW
2344 Harrison St.

Parking Lot

Rouse Tire
2340 Harrison St.

Rouse Tire

Offices

N

0 10 20 40

Scale (ft)

FIGURE

2

Former Shell Service Station

2350 (2368) Harrison Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

I:\Shell\6-chars\0601--\0601190-Oakland 2350 Harrison St\0601190-REPORTS\0601190-RPT12-4Q09\0601190 4QM09-GW.DWG

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*	*n-Butyl-benzene*	*sec-Butyl-benzene*	*tert-Butyl-benzene*	*Chloro-benzene*	*1,2-Dichloro-propane*	*Isopropyl-benzene*	*p-Isopropyl-toluene*	*n-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-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
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 µg/l unless otherwise indicated.
VOCs = Volatile organic compounds
PAHs = Polynuclear aromatic hydrocarbons
VOCs and PAHs analyzed by EPA Method 8260B. All detected constiuents tablulated; 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

December 16, 2009

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

Fourth Quarter 2009 Groundwater Monitoring at
Former Shell-branded Service Station
2350 (2368) Harrison Street
Oakland, CA

Monitoring performed on November 30, 2009

Groundwater Monitoring Report **091130-JP-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.

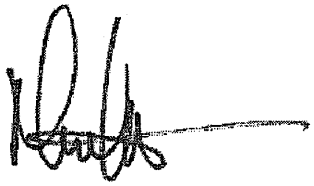
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

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.

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/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**	**<1000**	**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-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-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-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-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

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	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-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**

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

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)

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.

Calscience
Environmental
Laboratories, Inc.

December 11, 2009

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

Subject: **Calscience Work Order No.:** **09-12-0129**
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 12/2/2009 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,

Philip Hanelle for

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received:	12/02/09
Work Order No:	09-12-0129
Preparation:	EPA 3510C
Method:	EPA 8015B

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-1	09-12-0129-1-E	11/30/09 13:30	Aqueous	GC 27	12/03/09	12/07/09 19:30	091203B14

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	510	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	94	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-2	09-12-0129-2-E	11/30/09 12:55	Aqueous	GC 27	12/03/09	12/07/09 19:48	091203B14

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	480	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	96	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-3	09-12-0129-3-E	11/30/09 12:30	Aqueous	GC 27	12/03/09	12/07/09 20:07	091203B14

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	98	68-140	

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: 12/02/09
Work Order No: 09-12-0129
Preparation: EPA 3510C
Method: EPA 8015B

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-4	09-12-0129-4-E	11/30/09 11:55	Aqueous	GC 27	12/03/09	12/07/09 20:25	091203B14

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	91	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5	09-12-0129-5-E	11/30/09 12:15	Aqueous	GC 27	12/03/09	12/07/09 20:44	091203B14

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

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	77	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	90	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-6	09-12-0129-6-E	11/30/09 13:10	Aqueous	GC 27	12/03/09	12/07/09 21:03	091203B14

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	950	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	96	68-140	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	12/02/09
1680 Rogers Avenue	Work Order No:	09-12-0129
San Jose, CA 95112-1105	Preparation:	EPA 3510C
	Method:	EPA 8015B

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-211-1,439**	**N/A**	**Aqueous**	**GC 27**	**12/03/09**	**12/07/09 14:33**	**091203B14**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	110	68-140	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	12/02/09
1680 Rogers Avenue		Work Order No:	09-12-0129
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	ug/L

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-1	09-12-0129-1-A	11/30/09 13:30	Aqueous	GC/MS W	12/03/09	12/04/09 05:41	091203L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	100	2		c-1,3-Dichloropropene	ND	1.0	2	
Benzene	200	1.0	2		t-1,3-Dichloropropene	ND	1.0	2	
Bromobenzene	ND	2.0	2		Ethylbenzene	42	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	2.7	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	3.2	2.0	2		Naphthalene	ND	20	2	
sec-Butylbenzene	5.0	2.0	2		n-Propylbenzene	7.3	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		Tetrachloroethene	ND	2.0	2	
Chloroethane	ND	2.0	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	2.6	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)	2.6	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	2200	100	2	
1,1-Dichloropropene	ND	2.0	2						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	93	80-132		1,2-Dichloroethane-d4	96	80-141	
Toluene-d8	102	80-120		Toluene-d8-TPPH	106	88-112	
1,4-Bromofluorobenzene	96	76-120					

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:	12/02/09
Work Order No:	09-12-0129
Preparation:	EPA 5030B
Method:	LUFT GC/MS / EPA 8260B
Units:	ug/L

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-6	09-12-0129-6-A	11/30/09 13:10	Aqueous	GC/MS W	12/03/09	12/04/09 08:06	091203L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	33	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	2.4	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	2.2	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	3.2	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	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	1.0	1		Toluene	3.6	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)	2.1	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)	40	10	1	
c-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	4.6	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	2200	50	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	93	80-132		1,2-Dichloroethane-d4	102	80-141	
Toluene-d8	103	80-120		Toluene-d8-TPPH	107	88-112	
1,4-Bromofluorobenzene	98	76-120					

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: 12/02/09
Work Order No: 09-12-0129
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-2,945	N/A	Aqueous	GC/MS W	12/03/09	12/04/09 01:48	091203L02

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		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	1.0	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	104	80-132		1,2-Dichloroethane-d4	109	80-141	
Toluene-d8	97	80-120		Toluene-d8-TPPH	100	88-112	
1,4-Bromofluorobenzene	89	76-120					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	12/02/09
1680 Rogers Avenue		Work Order No:	09-12-0129
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	ug/L

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-2	09-12-0129-2-A	11/30/09 12:55	Aqueous	GC/MS W	12/03/09	12/04/09 06:10	091203L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	4.7	0.50	1		Xylenes (total)	1.5	1.0	1	
Ethylbenzene	1.5	1.0	1		TPPH	1200	50	1	
Toluene	1.3	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	93	80-132			1,2-Dichloroethane-d4	99	80-141		
Toluene-d8	104	80-120			Toluene-d8-TPPH	109	88-112		
1,4-Bromofluorobenzene	100	76-120							

S-3	09-12-0129-3-A	11/30/09 12:30	Aqueous	GC/MS W	12/03/09	12/04/09 06:39	091203L02

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	99	80-132			1,2-Dichloroethane-d4	107	80-141		
Toluene-d8	97	80-120			Toluene-d8-TPPH	100	88-112		
1,4-Bromofluorobenzene	90	76-120							

S-4	09-12-0129-4-A	11/30/09 11:55	Aqueous	GC/MS W	12/03/09	12/04/09 07:08	091203L02

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	103	80-132			1,2-Dichloroethane-d4	112	80-141		
Toluene-d8	98	80-120			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	89	76-120							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	12/02/09
1680 Rogers Avenue	Work Order No:	09-12-0129
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/L

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5	09-12-0129-5-A	11/30/09 12:15	Aqueous	GC/MS W	12/03/09	12/04/09 07:37	091203L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	1.1	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	120	50	1	
Toluene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	94	80-132			1,2-Dichloroethane-d4	107	80-141		
Toluene-d8	99	80-120			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	91	76-120							

Method Blank	099-12-767-2,945	N/A	Aqueous	GC/MS W	12/03/09	12/04/09 01:48	091203L02

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	104	80-132			1,2-Dichloroethane-d4	109	80-141		
Toluene-d8	97	80-120			Toluene-d8-TPPH	100	88-112		
1,4-Bromofluorobenzene	89	76-120							

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: 12/02/09
Work Order No: 09-12-0129

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

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-1	09-12-0129-1	11/30/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	ND	1.0	1		mg/L	N/A	12/05/09	EPA 1664A

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-2	09-12-0129-2	11/30/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	ND	1.0	1		mg/L	N/A	12/05/09	EPA 1664A

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-3	09-12-0129-3	11/30/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	ND	1.0	1		mg/L	N/A	12/05/09	EPA 1664A

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-4	09-12-0129-4	11/30/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	ND	1.0	1		mg/L	N/A	12/05/09	EPA 1664A

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-5	09-12-0129-5	11/30/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	ND	1.0	1		mg/L	N/A	12/05/09	EPA 1664A

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: 12/02/09
Work Order No: 09-12-0129

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

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-6	09-12-0129-6	11/30/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	ND	1.0	1		mg/L	N/A	12/05/09	EPA 1664A

Method Blank	N/A	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	ND	1.0	1		mg/L	N/A	12/05/09	EPA 1664A

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.	Date Received: 12/02/09
1680 Rogers Avenue	Work Order No: 09-12-0129
San Jose, CA 95112-1105	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
09-11-2168-1	Aqueous	GC/MS W	12/03/09	12/03/09	091203S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	96	72-120	0	0-20	
Carbon Tetrachloride	93	94	63-135	1	0-20	
Chlorobenzene	97	99	80-120	2	0-20	
1,2-Dibromoethane	97	101	80-120	4	0-20	
1,2-Dichlorobenzene	98	101	80-120	4	0-20	
1,1-Dichloroethene	91	91	60-132	0	0-24	
Ethylbenzene	104	107	78-120	3	0-20	
Toluene	96	96	74-122	0	0-20	
Trichloroethene	96	95	69-120	0	0-20	
Vinyl Chloride	76	78	58-130	3	0-20	
Methyl-t-Butyl Ether (MTBE)	96	98	72-126	2	0-21	
Tert-Butyl Alcohol (TBA)	94	104	72-126	9	0-20	
Diisopropyl Ether (DIPE)	101	100	71-137	2	0-23	
Ethyl-t-Butyl Ether (ETBE)	98	100	74-128	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	99	101	76-124	2	0-20	
Ethanol	100	95	35-167	5	0-48	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.	Date Received: N/A
1680 Rogers Avenue	Work Order No: 09-12-0129
San Jose, CA 95112-1105	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
099-12-211-1,439	Aqueous	GC 27	12/03/09	12/07/09	091203B14

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	84	85	75-117	1	0-13	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 09-12-0129
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
099-12-767-2,945	Aqueous	GC/MS W	12/03/09	12/04/09	091203L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	97	97	80-122	73-129	1	0-20	
Carbon Tetrachloride	93	94	68-140	56-152	1	0-20	
Chlorobenzene	98	97	80-120	73-127	1	0-20	
1,2-Dibromoethane	99	98	80-121	73-128	1	0-20	
1,2-Dichlorobenzene	97	98	80-120	73-127	2	0-20	
1,1-Dichloroethene	93	94	72-132	62-142	1	0-25	
Ethylbenzene	105	104	80-126	72-134	1	0-20	
Toluene	96	96	80-121	73-128	0	0-20	
Trichloroethene	95	96	80-123	73-130	1	0-20	
Vinyl Chloride	89	92	67-133	56-144	4	0-20	
Methyl-t-Butyl Ether (MTBE)	95	97	75-123	67-131	2	0-20	
Tert-Butyl Alcohol (TBA)	94	98	75-123	67-131	4	0-20	
Diisopropyl Ether (DIPE)	99	101	71-131	61-141	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	97	102	76-124	68-132	4	0-20	
Tert-Amyl-Methyl Ether (TAME)	100	101	80-123	73-130	1	0-20	
Ethanol	92	103	61-139	48-152	11	0-27	
TPPH	110	107	65-135	53-147	3	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

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 09-12-0129

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

Matrix: Aqueous or Solid

Parameter	Method	Quality Control Sample ID	Date Extracted	Date Analyzed	LCS % REC	LCSD % REC	%REC CL	RPD	RPD CL	Qual
HEM: Oil and Grease	EPA 1664A	099-05-119-2,156	N/A	12/05/09	94	92	78-114	1	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-12-0129

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	LCS Recovery Percentage is within LCS ME Control Limit range.
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.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

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: Peter Schaefer 060119
INCIDENT # (ENV SERVICES): 9 7 7 4 3 9 6 9
☐ CHECK IF NO INCIDENT # APPLIES
DATE: 11/30/09
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 - Copy to Shell.Lab.Billing@craworld.com
TELEPHONE: (408)573-0555
FAX: (408)573-7771
E-MAIL: mninokata@blainetech.com

SITE ADDRESS: Street and City: 2350 (2368) Harrison St., Oakland
State: CA
GLOBAL ID NO: T0600102237
EDF DELIVERABLE TO (Name, Company Office Location): Anni Kreml, CRA, Emeryville
PHONE NO: (510) 420-3335
E-MAIL: Shelledf@craworld.com
CONSULTANT PROJECT NO: BTS # 091130-JP1
SAMPLER NAME(S) (Print): J. PARKER
LAB USE ONLY: 12-0129

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

REQUESTED ANALYSIS

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)		TPH-MO (8015M)	Oil & Grease (1664A)	Chloronated Solvents (8260B)	VOA's			TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
1	S-1	11/30	1330	W	3		1	2		6	X	X	X													X		X			
2	S-2		1255								X	X														X					
3	S-3		1230								X	X														X					
4	S-4		1155								X	X														X					
5	S-5		1215								X	X														X					
6	S-6		1310								X	X														X		X			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	SAMPLE	11/30/09	1900
(Sample Kit Only)	Tom O'Malley CEL	12/1/09	1000
GSD 513117517		12/2/09	1030

05/2/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-12-0129

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Blaine Tech DATE: 12/02/09

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

Temperature 5.3 °C - 0.8 °C (CF) = 4.5 °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:** HP

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Initial:** HP

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** W.S.C

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ COC not relinquished. ☐ No date relinquished. ☐ No time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOAh (3) ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☑1AGB**s** ☐500AGB ☑500AGJ (3) ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na** ☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

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

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelop **Reviewed by:** D.L

Preservative: h: HCL n: HNO3 na$_2$:$Na_2S_2O_3$ Na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** W.S.C

WELL GAUGING DATA

Project # 091130-JP1 Date 11/30/09 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	0845	4					3.72	15.80		
S-2	0850	4					6.17	15.77		
S-3	0905	4					6.72	20.58		
S-4	0855	4					5.67	20.72		
S-5	0900	4	Odor				6.91	16.21		
S-6	0910	4					6.94	15.60		

SHEL. /ELL MONITORING DATA .IEET

BTS #: 091130-JP1	Site: 2350 HARRISON ST.
Sampler: JP	Date: 11/30/09
Well I.D.: S-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 15.80	Depth to Water (DTW): 3.72
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.14	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

7.9 (Gals.) X	3	=	23.7 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	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1058	64.8	6.35	11.07	10	7.9	
1100	64.2	6.44	8219 µS	10	15.8	
	WELL DEWATERED @ 16 GALLONS					
1330	65.3	6.80	11.57	12	—	

Did well dewater? (Yes) No Gallons actually evacuated: 16

Sampling Date: 11/30/09 Sampling Time: 1330 Depth to Water: 11.42

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

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

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 #: 091130-JP1	Site: 2350 HARRISON ST.
Sampler: JP	Date: 11/30/09
Well I.D.: S-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 15.77	Depth to Water (DTW): 6.17
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]: 8.09	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: _____

6.2 (Gals.) X	3 =	18.6 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	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1030	68.7	6.79	2856	18	6.2	
1032	69.1	6.60	2748	8	12.4	
	WELL DEWATERED @ 13 GALLONS					
1255	65.4	7.36	2723	16	—	

Did well dewater? (Yes) No Gallons actually evacuated: 13

Sampling Date: 11/30/09 Sampling Time: 1255 Depth to Water: 10.77

Sample I.D.: S-2 Laboratory: (CalScience) Columbia Other_____

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

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 #: 091130-JP1	Site: 2350 HARRISON ST.
Sampler: JP	Date: 11/30/09
Well I.D.: S-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 20.58	Depth to Water (DTW): 6.72
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.49	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

9.0 (Gals.) X	3	=	27.0 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
1015	69.2	6.81	3004	10	9.0	
1017	70.6	6.62	3063	35	18.0	
	WELL DEWATERED @ 19 GALLONS					
1230	64.4	7.12	4490	-24	—	

Did well dewater? (Yes) No Gallons actually evacuated: 19

Sampling Date: 11/30/09 Sampling Time: 1230 Depth to Water: 14.79

Sample I.D.: S-3 Laboratory: (CalScience) Columbia Other_____

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

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 #: 091130-JP1	Site: 2350 HARRISON
Sampler: JP	Date: 11/30/09
Well I.D.: S-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 20.72	Depth to Water (DTW): 5.67
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.68	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

9.8 (Gals.) X	3	= 29.4 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	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0944	66.0	6.79	6646	63	9.8	
0946	66.2	6.76	7259	20	19.6	
	WELL DEWATERED @ 20 GALLONS					
1155	64.4	7.52	6938	14	—	

Did well dewater? (Yes) No Gallons actually evacuated: 20

Sampling Date: 11/30/09 Sampling Time: 1155 Depth to Water: 14.02

Sample I.D.: S-4 Laboratory: (CalScience) Columbia Other_____

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

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 #: 091130-JP1	Site: 2350 HARRISON ST.
Sampler: JP	Date: 11/30/09
Well I.D.: S-5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 16.21	Depth to Water (DTW): 6.91
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]: 8.77	

Purge Method:
- Bailer
- Disposable Bailer
- Positive Air Displacement
- X Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:
- X Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

1 Case Volume	Specified Volumes	Calculated Volume
6.04 (Gals.) X	3	= 18.0 Gals.

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
0958	65.2	6.76	13.78	14	6.0	
1000	655	6.67	13.31	30	12.0	
	WELL DEWATERED @ 13 GALLONS					
1215	63.2	7.05	12.82	11	—	

Did well dewater? (Yes) No		Gallons actually evacuated: 13	
Sampling Date: 11/30/09	Sampling Time: 1215	Depth to Water: 9.98	
Sample I.D.: S-5		Laboratory: (CalScience) Columbia Other_____	
Analyzed for: TPH-G BTEX MTBE TPH-D		Oxygenates (5) Other: SEE COC	
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 #: 091130-JP1	Site: 2350 HARRISON ST.
Sampler: JP	Date: 11/30/09
Well I.D.: S-6	Well Diameter: 2 3 4 6 8 ____
Total Well Depth (TD): 15.60	Depth to Water (DTW): 6.94
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]: 8.67	

Purge Method:
- Bailer
- Disposable Bailer
- Positive Air Displacement
- X Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:
- X Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

5.6 (Gals.) X 3 = 16.8 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
1042	66.9	6.89	3490	90	5.6	
	WELL DEWATERED @ 9 GALLONS					
1310	63.1	7.96	3118	43	—	

Did well dewater? (Yes) No Gallons actually evacuated: 9

Sampling Date: 11/30/09 Sampling Time: 1310 Depth to Water: 8.00

Sample I.D.: S-6 Laboratory: (CalScience) Columbia Other_____

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

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