



**CONESTOGA-ROVERS
& ASSOCIATES**

5900 Hollis Street, Suite A
Emeryville, California 94608
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www.CRAworld.com

TRANSMITTAL

DATE: November 5, 2008 REFERENCE NO.: 060119
PROJECT NAME: 2350 (2368) Harrison Street, Oakland
TO: Jerry Wickham
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California
94502-6577

RECEIVED
2:16 pm, Nov 10, 2008
Alameda County
Environmental Health

Please find enclosed: Draft Final
 Originals Other
 Prints
Sent via: Mail Same Day Courier
 Overnight Courier Other

QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report - Third Quarter 2008

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 Signed: Richard Burge
Completed by: Peter Schaefer [Please Print] Peter Schaefer

Filing: Correspondence File PS/bc/2



Mr. Jerry Wickham
Alameda County Health Care Services Agency
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 No. 173318
Incident No. 97743969
Fuel Leak Case 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 - THIRD QUARTER 2008

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

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

**NOVEMBER 5, 2008
REF. NO. 060119 (2)**

This report is printed on recycled paper.

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

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

Office: (510) 420-0700
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TABLE 1 GROUNDWATER MONITORING ANALYTICAL DATA - VOCS AND PAHS

LIST OF APPENDICES

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1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) in accordance with the quarterly reporting requirements of 23 CCR 2652d.

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	ACHCSA, Jerry Wickham
Agency Case No.	RO0000505
Shell SAP Code	173318
Shell Incident No.	97743969

Date of most recent agency correspondence was September 12, 2008.

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 and polynuclear aromatic hydrocarbons.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Variable
Hydraulic Gradient	Variable
Depth to Water	5.05 to 6.92 feet below top of well casing

2.3 PROPOSED ACTIVITIES FOR NEXT QUARTER

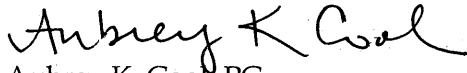
Blaine will gauge and sample wells according to the monitoring program proposed in work plan referenced below.

As requested in Alameda County Health Care Services Agency's September 12, 2008 letter, Shell will submit a sensitive receptor survey, well survey, and subsurface investigation work plan by November 12, 2008.

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



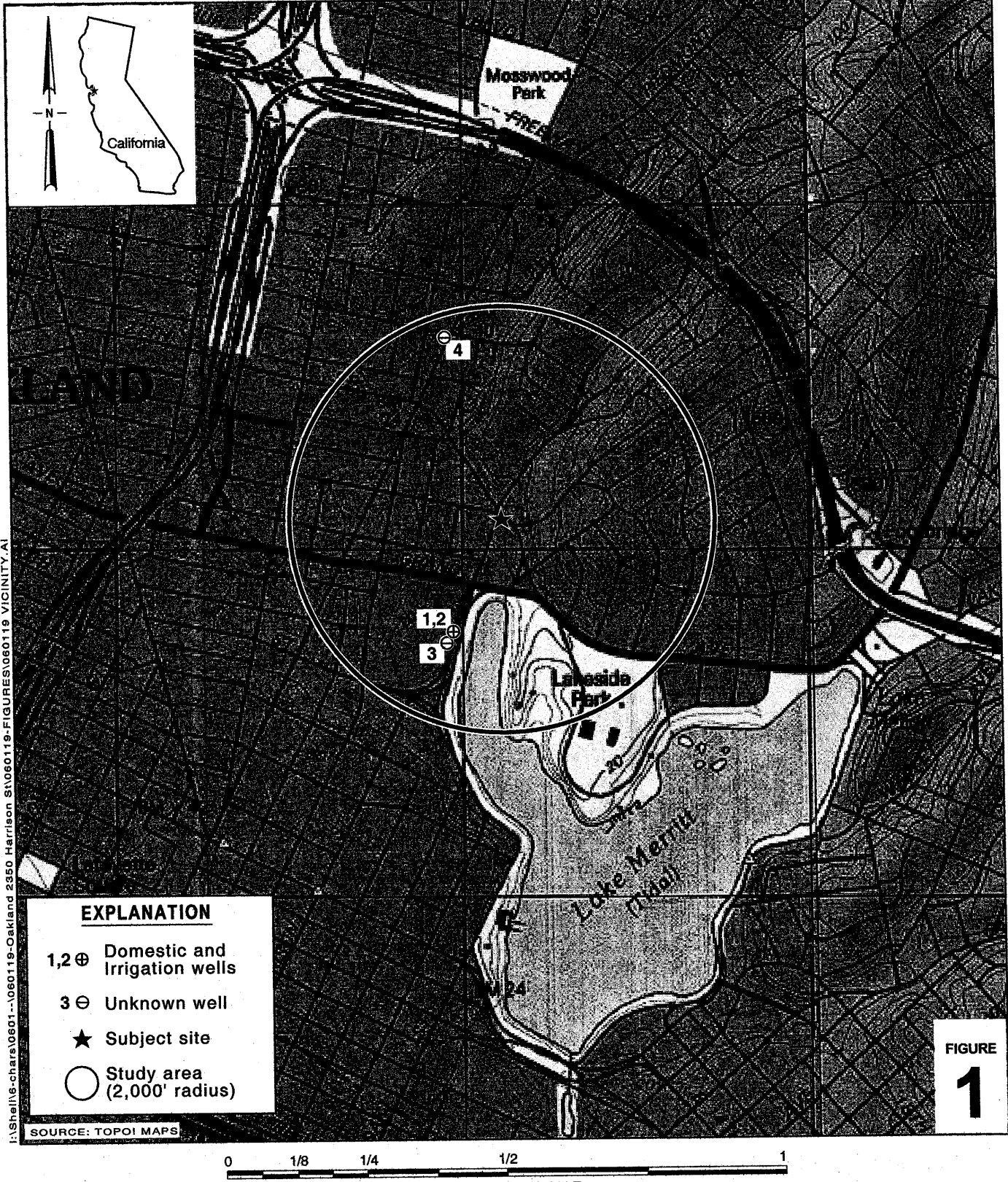
Peter Schaefer, CHG, CEG
Project Manager



Aubrey K. Cool, PG
Professional Geologist



FIGURES



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

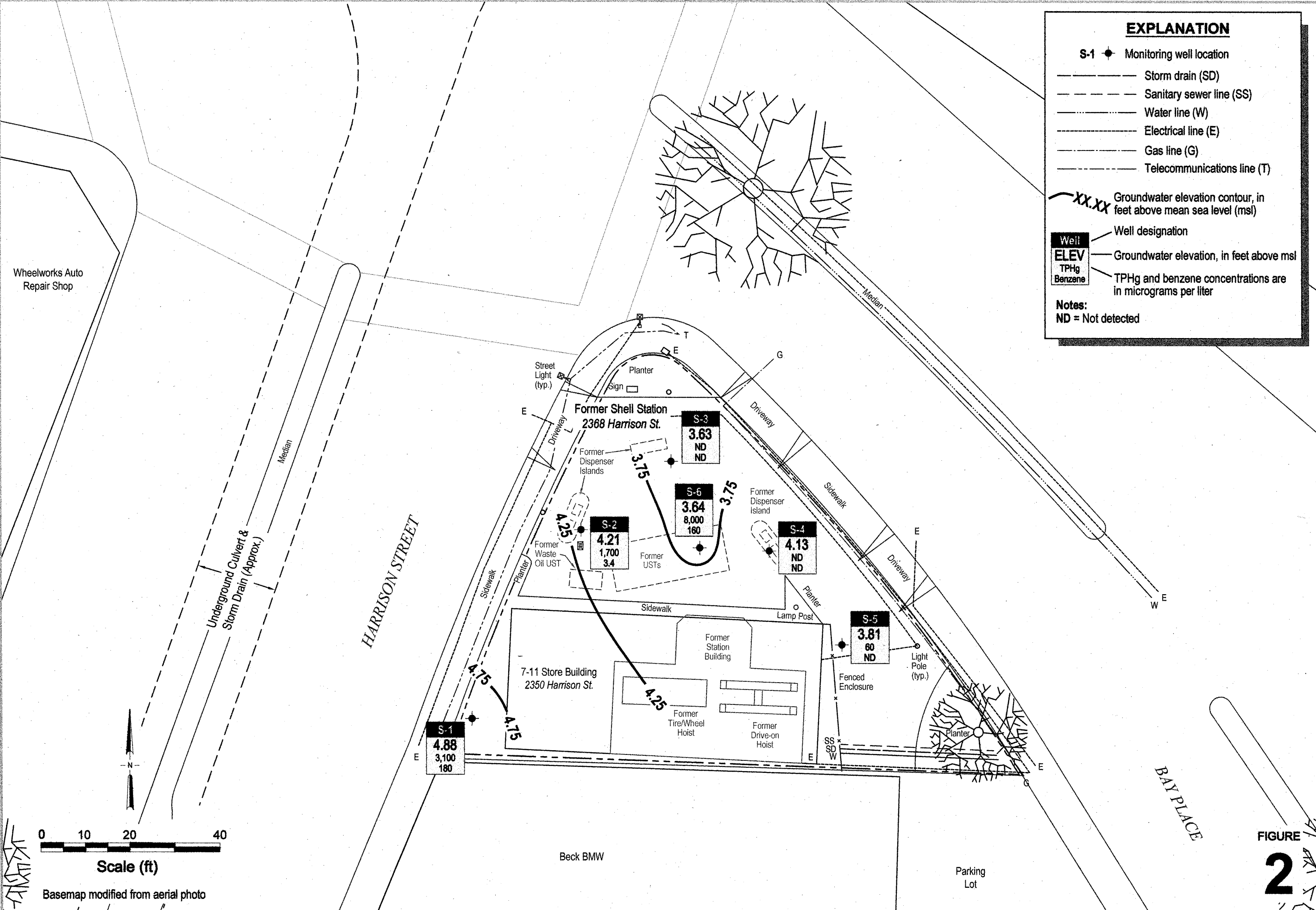
Former Shell Service Station
 2350 (2368) Harrison Street
 Oakland, California



**CONESTOGA-ROVERS
 & ASSOCIATES**

Vicinity Map

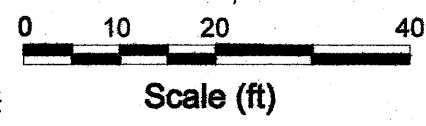
I:\Shell\chairs\0601-060119-Oakland 2350 Harrison St\060119-REPORTS\060119-RPT2-3-08.dwg



EXPLANATION

- S-1 ◆ Monitoring well location
- Storm drain (SD)
- - - Sanitary sewer line (SS)
- Water line (W)
- Electrical line (E)
- Gas line (G)
- Telecommunications line (T)
- XX.XX Groundwater elevation contour, in feet above mean sea level (msl)
- Well designation
- ELEV Groundwater elevation, in feet above msl
- TPHg and Benzene TPHg and benzene concentrations are in micrograms per liter

Notes:
ND = Not detected



Basemap modified from aerial photo

FIGURE 2

Groundwater Contour and Chemical Concentration Map

September 17, 2008



CONESTOGA-ROVERS & ASSOCIATES

Former Shell Service Station

2350 (2368) Harrison Street
Oakland, California

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-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
SFBRWQCB ESLs for groundwater where groundwater is a current or potential drinking water source		1,500	--	--	--	--	25	5.0	--	--	--	--	--

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 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

October 6, 2008

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

Third Quarter 2008 Groundwater Monitoring at
Former Shell-branded Service Station
2350 (2368) Harrison Street
Oakland, CA

Monitoring performed on September 17, 2008

Groundwater Monitoring Report **080917-MN-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.

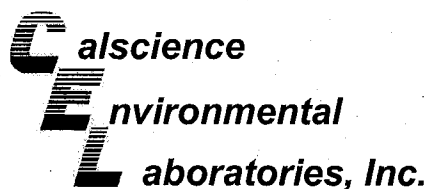
Yours truly,

Mike Ninokata
Project Manager

MN/tm

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

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



October 02, 2008

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

Subject: **Calscience Work Order No.: 08-09-1783**
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 9/19/2008 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Jessie Kim". The signature is fluid and cursive, with a large, sweeping flourish at the end.

Calscience Environmental
Laboratories, Inc.
Jessie Kim
Project Manager

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 b,a	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-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 b,a	<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-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-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-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 b,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	10.54	6.73	3.81
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 b,a	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

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

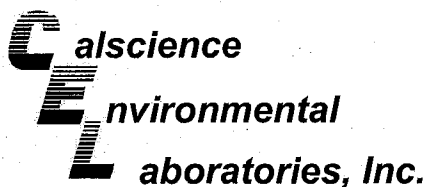
Notes:

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.



Analytical Report



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

Date Received: 09/19/08
Work Order No: 08-09-1783
Preparation: N/A
Method: EPA 1664A

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-1	08-09-1783-1-F	09/17/08 13:30	Aqueous	N/A	N/A	09/24/08 17:00	80924HEML1

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	2.4	1.0	1		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-2	08-09-1783-2-F	09/17/08 13:15	Aqueous	N/A	N/A	09/24/08 17:00	80924HEML1

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	ND	1.0	1		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-3	08-09-1783-3-F	09/17/08 13:00	Aqueous	N/A	N/A	09/24/08 17:00	80924HEML1

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	1.2	1.0	1		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-4	08-09-1783-4-F	09/17/08 12:35	Aqueous	N/A	N/A	09/24/08 17:00	80924HEML1

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	ND	1.0	1		mg/L

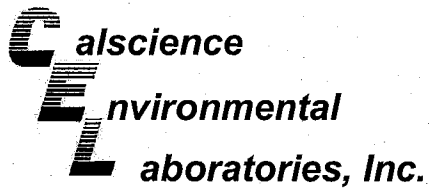
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5	08-09-1783-5-F	09/17/08 12:50	Aqueous	N/A	N/A	09/24/08 17:00	80924HEML1

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	ND	1.0	1		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-6	08-09-1783-6-F	09/17/08 13:45	Aqueous	N/A	N/A	09/24/08 17:00	80924HEML1

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	1.2	1.0	1		mg/L

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



Analytical Report



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

Date Received: 09/19/08
 Work Order No: 08-09-1783
 Preparation: N/A
 Method: EPA 1664A

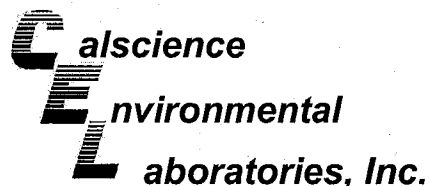
Project: 2350 (2368) Harrison St., Oakland, CA

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-05-119-1,601	N/A	Aqueous	N/A	N/A	09/24/08 17:00	80924HEML1

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	ND	1.0	1		mg/L

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



Analytical Report



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

Date Received: 09/19/08
Work Order No: 08-09-1783
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	08-09-1783-1-D	09/17/08 13:30	Aqueous	GC 43	09/23/08	09/25/08 08:13	080923B14

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	550	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	99	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-2	08-09-1783-2-D	09/17/08 13:15	Aqueous	GC 43	09/23/08	09/25/08 08:33	080923B14

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	490	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	103	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-3	08-09-1783-3-D	09/17/08 13:00	Aqueous	GC 43	09/23/08	09/25/08 08:54	080923B14

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	98	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: 09/19/08
 Work Order No: 08-09-1783
 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	08-09-1783-4-D	09/17/08 12:35	Aqueous	GC 43	09/23/08	09/25/08 09:14	080923B14

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

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	51	50	1		ug/L

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5	08-09-1783-5-D	09/17/08 12:50	Aqueous	GC 43	09/23/08	09/25/08 09:35	080923B14

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	64	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	89	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-6	08-09-1783-6-D	09/17/08 13:45	Aqueous	GC 43	09/23/08	09/25/08 09:55	080923B14

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	3000	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	100	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: 09/19/08
 Work Order No: 08-09-1783
 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	099-12-211-689	N/A	Aqueous	GC 43	09/23/08	09/25/08 02:09	080923B14

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	102	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: 09/19/08
 Work Order No: 08-09-1783
 Preparation: EPA 3510C
 Method: EPA 8015B (M)

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-1	08-09-1783-1-D	09/17/08 13:30	Aqueous	GC 43	09/23/08	09/25/08 08:13	080923B15

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	99	68-140	

S-2	08-09-1783-2-D	09/17/08 13:15	Aqueous	GC 43	09/23/08	09/25/08 08:33	080923B15
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Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	103	68-140	

S-3	08-09-1783-3-D	09/17/08 13:00	Aqueous	GC 43	09/23/08	09/25/08 08:54	080923B15
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Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	98	68-140	

S-4	08-09-1783-4-D	09/17/08 12:35	Aqueous	GC 43	09/23/08	09/25/08 09:14	080923B15
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Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	140	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: 09/19/08
Work Order No: 08-09-1783
Preparation: EPA 3510C
Method: EPA 8015B (M)

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	08-09-1783-5-D	09/17/08 12:50	Aqueous	GC 43	09/23/08	09/25/08 09:35	080923B15

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

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	89	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-6	08-09-1783-6-D	09/17/08 13:45	Aqueous	GC 43	09/23/08	09/25/08 09:55	080923B15

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
TPH as Motor Oil	260	250	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	100	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-234-313	N/A	Aqueous	GC 43	09/23/08	09/25/08 02:09	080923B15

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	250	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	102	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: 09/19/08
 Work Order No: 08-09-1783
 Preparation: EPA 5030B
 Method: LUFT GC/MS / EPA 8260B
 Units: ug/L

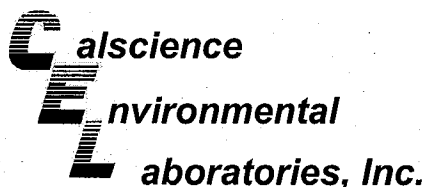
Project: 2350 (2368) Harrison St., Oakland, CA

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-1	08-09-1783-1-A	09/17/08 13:30	Aqueous	GC/MS W	09/29/08	09/29/08 20:29	080929L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	180	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	78	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	20	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	11	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	5.6	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	7.3	1.0	1		n-Propylbenzene	19	1.0	1	
tert-Butylbenzene	1.8	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	2.7	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	7.3	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		p/m-Xylene	8.6	1.0	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	150	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	30	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1		TPPH	3100	50	1	
Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual		
Dibromofluoromethane	105	74-140		1,2-Dichloroethane-d4	91	74-146			
Toluene-d8	98	88-112		Toluene-d8-TPPH	99	88-112			
1,4-Bromofluorobenzene	96	74-110							

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



Analytical Report



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

Date Received: 09/19/08
Work Order No: 08-09-1783
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

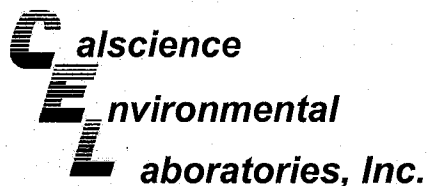
Project: 2350 (2368) Harrison St., Oakland, CA

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-208	N/A	Aqueous	GC/MS W	09/29/08	09/29/08 15:57	080929L01

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		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1		TPPH	ND	50	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		
Dibromofluoromethane	118	74-140		1,2-Dichloroethane-d4	110	74-146			
Toluene-d8	93	88-112		Toluene-d8-TPPH	94	88-112			
1,4-Bromofluorobenzene	84	74-110							

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



Analytical Report



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

Date Received: 09/19/08
Work Order No: 08-09-1783
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

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

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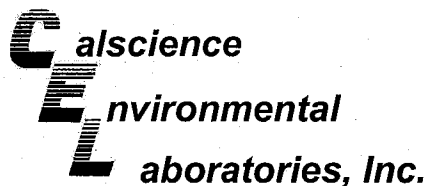
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-2	08-09-1783-2-A	09/17/08 13:15	Aqueous	GC/MS W	09/29/08	09/29/08 20:59	080929L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	3.4	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Tert-Butyl Alcohol (TBA)	16	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	7.3	2.0	1	
Ethylbenzene	8.3	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
p/m-Xylene	1.1	1.0	1		TPPH	1700	50	1	
o-Xylene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	98	74-140			1,2-Dichloroethane-d4	93	74-146		
Toluene-d8	97	88-112			Toluene-d8-TPPH	98	88-112		
1,4-Bromofluorobenzene	91	74-110							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-3	08-09-1783-3-A	09/17/08 13:00	Aqueous	GC/MS W	09/29/08	09/29/08 21:29	080929L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		TPPH	ND	50	1	
o-Xylene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	119	74-140			1,2-Dichloroethane-d4	101	74-146		
Toluene-d8	91	88-112			Toluene-d8-TPPH	93	88-112		
1,4-Bromofluorobenzene	89	74-110							

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



Analytical Report



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

Date Received: 09/19/08
Work Order No: 08-09-1783
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

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

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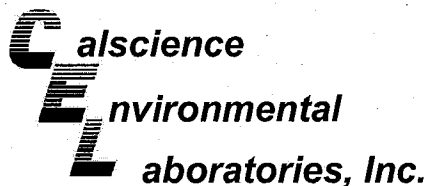
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-4	08-09-1783-4-A	09/17/08 12:35	Aqueous	GC/MS W	09/21/08	09/29/08 21:59	080929L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		TPPH	ND	50	1	
o-Xylene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	112	74-140			1,2-Dichloroethane-d4	106	74-146		
Toluene-d8	88	88-112			Toluene-d8-TPPH	88	88-112		
1,4-Bromofluorobenzene	88	74-110							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5	08-09-1783-5-A	09/17/08 12:50	Aqueous	GC/MS W	09/29/08	09/29/08 22:30	080929L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		TPPH	60	50	1	
o-Xylene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	120	74-140			1,2-Dichloroethane-d4	110	74-146		
Toluene-d8	92	88-112			Toluene-d8-TPPH	94	88-112		
1,4-Bromofluorobenzene	89	74-110							

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



Analytical Report



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

Date Received: 09/19/08
Work Order No: 08-09-1783
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

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

Page 3 of 4

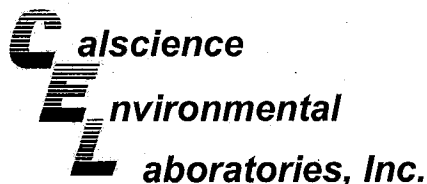
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-6	08-09-1783-6-A	09/17/08 13:45	Aqueous	GC/MS W	09/29/08	09/29/08 23:00	080929L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	160	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Tert-Butyl Alcohol (TBA)	65	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	8.7	2.0	1	
Ethylbenzene	3.3	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	16	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
p/m-Xylene	11	1.0	1		TPPH	8000	500	10	
o-Xylene	3.4	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	103	74-140			1,2-Dichloroethane-d4	97	74-146		
Toluene-d8	104	88-112			Toluene-d8-TPPH	105	88-112		
1,4-Bromofluorobenzene	98	74-110							

Method Blank	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-208	N/A	Aqueous	GC/MS W	09/29/08	09/29/08 15:57	080929L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		TPPH	ND	50	1	
o-Xylene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	118	74-140			1,2-Dichloroethane-d4	110	74-146		
Toluene-d8	93	88-112			Toluene-d8-TPPH	94	88-112		
1,4-Bromofluorobenzene	84	74-110							

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



Analytical Report



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

Date Received: 09/19/08
Work Order No: 08-09-1783
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

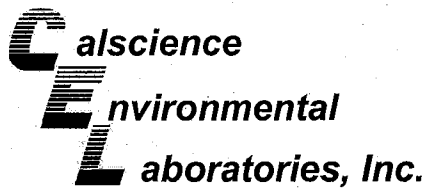
Project: 2350 (2368) Harrison St., Oakland, CA

Page 4 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-216	N/A	Aqueous	GC/MS OO	10/01/08	10/01/08 13:37	081001L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		TPPH	ND	50	1	
o-Xylene	ND	1.0	1						
<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	109	74-140			1,2-Dichloroethane-d4	108	74-146		
Toluene-d8	100	88-112			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	87	74-110							

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



Quality Control - Spike/Spike Duplicate



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

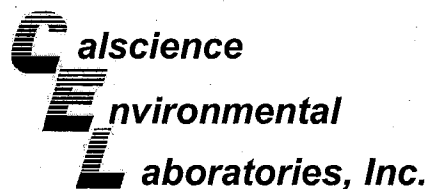
Date Received: 09/19/08
 Work Order No: 08-09-1783
 Preparation: N/A
 Method: EPA 1664A

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

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-09-1764-7	Aqueous	N/A	N/A	09/24/08	80924HEMS1

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
HEM: Oil and Grease	94	90	78-114	4	0-18	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



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

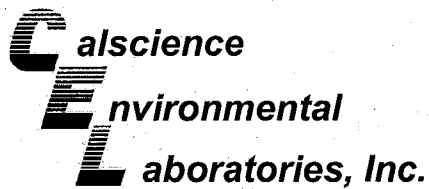
Date Received: 09/19/08
Work Order No: 08-09-1783
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA
8260B

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

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-09-2023-10	Aqueous	GC/MS W	09/29/08	09/29/08	080929S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	106	106	88-118	0	0-7	
Carbon Tetrachloride	98	98	67-145	0	0-11	
Chlorobenzene	109	109	88-118	0	0-7	
1,2-Dibromoethane	115	115	70-130	0	0-30	
1,2-Dichlorobenzene	109	109	86-116	0	0-8	
1,1-Dichloroethene	88	88	70-130	0	0-25	
Ethylbenzene	113	113	70-130	0	0-30	
Toluene	103	103	87-123	0	0-8	
Trichloroethene	97	97	79-127	0	0-10	
Vinyl Chloride	112	112	69-129	0	0-13	
Methyl-t-Butyl Ether (MTBE)	115	115	71-131	0	0-13	
Tert-Butyl Alcohol (TBA)	67	67	36-168	0	0-45	
Diisopropyl Ether (DIPE)	87	87	81-123	0	0-9	
Ethyl-t-Butyl Ether (ETBE)	99	99	72-126	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	121	121	72-126	0	0-12	
Ethanol	80	80	53-149	0	0-31	

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: 09/19/08
Work Order No: 08-09-1783
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
08-09-2250-6	Aqueous	GC/MS OO	10/01/08	10/01/08	081001S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	101	103	88-118	2	0-7	
Carbon Tetrachloride	98	107	67-145	9	0-11	
Chlorobenzene	96	101	88-118	5	0-7	
1,2-Dibromoethane	101	105	70-130	4	0-30	
1,2-Dichlorobenzene	96	102	86-116	6	0-8	
1,1-Dichloroethene	108	114	70-130	6	0-25	
Ethylbenzene	104	108	70-130	4	0-30	
Toluene	102	105	87-123	3	0-8	
Trichloroethene	98	101	79-127	3	0-10	
Vinyl Chloride	122	128	69-129	5	0-13	
Methyl-t-Butyl Ether (MTBE)	110	113	71-131	2	0-13	
Tert-Butyl Alcohol (TBA)	110	109	36-168	1	0-45	
Diisopropyl Ether (DIPE)	111	117	81-123	5	0-9	
Ethyl-t-Butyl Ether (ETBE)	108	114	72-126	5	0-12	
Tert-Amyl-Methyl Ether (TAME)	103	104	72-126	2	0-12	
Ethanol	108	123	53-149	13	0-31	

RPD - Relative Percent Difference, CL - Control Limit

Calscience**Environmental Quality Control - Laboratory Control Sample**
Laboratories, Inc.

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

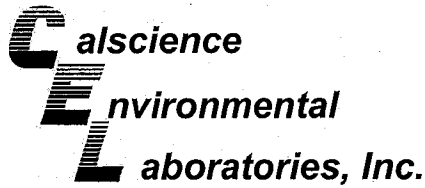
Date Received: N/A
Work Order No: 08-09-1783
Preparation: N/A
Method: EPA 1664A

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

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-05-119-1,601	Aqueous	N/A	09/24/08	NONE	80924HEML1

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
HEM: Oil and Grease	40.0	37.9	95	78-114	

RPD - Relative Percent Difference, CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

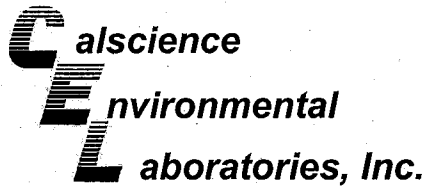
Date Received: N/A
Work Order No: 08-09-1783
Preparation: EPA 3510C
Method: EPA 8015B

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

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-211-689	Aqueous	GC 43	09/23/08	09/25/08	080923B14

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	91	98	75-117	7	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

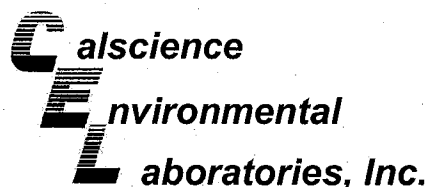
Date Received: N/A
Work Order No: 08-09-1783
Preparation: EPA 3510C
Method: EPA 8015B (M)

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

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-234-313	Aqueous	GC 43	09/23/08	09/25/08	080923B15

Parameter	LCS %REC	LCSD %REC	%REC.CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	103	108	75-117	5	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: 08-09-1783
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		
099-12-767-208	Aqueous	GC/MS W	09/29/08	09/29/08	080929L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	110	112	84-120	78-126	1	0-8	
Carbon Tetrachloride	100	112	63-147	49-161	11	0-10	X
Chlorobenzene	116	113	89-119	84-124	2	0-7	
1,2-Dibromoethane	119	114	80-120	73-127	4	0-20	
1,2-Dichlorobenzene	110	108	89-119	84-124	2	0-9	
1,1-Dichloroethane	88	93	77-125	69-133	6	0-16	
Ethylbenzene	120	118	80-120	73-127	2	0-20	
Toluene	110	110	83-125	76-132	0	0-9	
Trichloroethene	102	109	89-119	84-124	7	0-8	
Vinyl Chloride	111	121	63-135	51-147	8	0-13	
Methyl-t-Butyl Ether (MTBE)	105	105	82-118	76-124	0	0-13	
Tert-Butyl Alcohol (TBA)	66	74	46-154	28-172	11	0-32	
Diisopropyl Ether (DIPE)	83	82	81-123	74-130	1	0-11	
Ethyl-t-Butyl Ether (ETBE)	93	89	74-122	66-130	5	0-12	
Tert-Amyl-Methyl Ether (TAME)	124	115	76-124	68-132	7	0-10	
Ethanol	64	84	60-138	47-151	26	0-32	
TPPH	114	114	65-135	53-147	0	0-30	

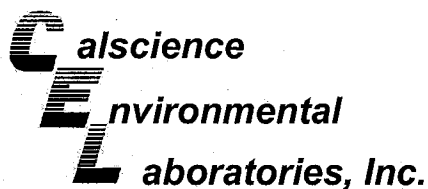
Total number of LCS compounds : 17

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



Quality Control - LCS/LCS Duplicate



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

Date Received: N/A
Work Order No: 08-09-1783
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		
099-12-767-216	Aqueous	GC/MS OO	10/01/08	10/01/08	081001L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	107	104	84-120	78-126	3	0-8	
Carbon Tetrachloride	104	104	63-147	49-161	0	0-10	
Chlorobenzene	102	100	89-119	84-124	2	0-7	
1,2-Dibromoethane	106	107	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	102	105	89-119	84-124	3	0-9	
1,1-Dichloroethene	112	112	77-125	69-133	0	0-16	
Ethylbenzene	109	107	80-120	73-127	2	0-20	
Toluene	108	106	83-125	76-132	2	0-9	
Trichloroethene	105	104	89-119	84-124	1	0-8	
Vinyl Chloride	124	126	63-135	51-147	1	0-13	
Methyl-t-Butyl Ether (MTBE)	114	111	82-118	76-124	3	0-13	
Tert-Butyl Alcohol (TBA)	102	106	46-154	28-172	4	0-32	
Diisopropyl Ether (DIPE)	115	113	81-123	74-130	2	0-11	
Ethyl-t-Butyl Ether (ETBE)	113	111	74-122	66-130	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	110	107	76-124	68-132	3	0-10	
Ethanol	107	106	60-138	47-151	1	0-32	
TPPH	107	104	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



Work Order Number: 08-09-1783

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (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.

LAB (LOCATION)

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



Shell Oil Products Chain Of Custody Record

Please Check Appropriate Box:

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

Print Bill To: Contact Name: **Denis Brown**

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

DATE: **9/17/08**

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): **Michael Ninokata**

TELEPHONE: **(408)573-0555** FAX: **(408)573-7771** E-MAIL: **mnninokata@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): **Annli Kremi, CRA, Emeryville** PHONE NO: **(510) 420-3335** E-MAIL: **Shelledf@craworld.com** CONSULTANT PROJECT NO: **080917-MN1**

SAMPLER NAME(S) (Print): **Michael Ninokata** LAB USE ONLY: **09-1783**

TURNAROUND TIME (CALENDAR DAYS):

STANDARD (14 DAY) 5 DAYS 3 DAYS 2 DAYS 24 HOURS RESULTS NEEDED ON WEEKEND

REQUESTED ANALYSIS

LA - RWQCB REPORT FORMAT UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

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

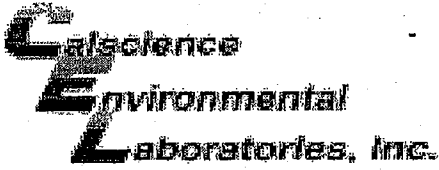
SHELL CONTRACT RATE APPLIES
 STATE REIMBURSEMENT RATE APPLIES
 EDD NOT NEEDED
 RECEIPT VERIFICATION REQUESTED

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)	TPH-MO (8015M)			Oil & Grease (1664A)	Chlorinated Solvents (8260B)
		1	S-1		9/17	1330	W	X				X	6	X	X	X	X					X	X					X
2	S-2		1315						6	X	X	X	X					X	X			X	X					
3	S-3		1300						6	X	X	X	X					X	X			X	X					
4	S-4		1235						6	X	X	X	X					X	X			X	X					
5	S-5		1250						6	X	X	X	X					X	X			X	X					
6	S-6		1345						6	X	X	X	X					X	X			X	X					

Relinquished by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature] (Sample Custodian)</i>	Date: 9/17/08	Time: 1530
Relinquished by (Signature): <i>[Signature]</i>	Received by (Signature): <i>Tom O'Malley CEC</i>	Date: 9/18/08	Time: 1100
Relinquished by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 9/19/08	Time: 0945

510356861

06/2006 Revision



WORK ORDER #: 08 - 09 - 1783

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Blaine Tech

DATE: 9/19/08

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- Chilled, cooler with temperature blank provided.
Chilled, cooler without temperature blank.
Chilled and placed in cooler with wet ice.
Ambient and placed in cooler with wet ice.
Ambient temperature (For Air & Filter only).
°C Temperature blank.

LABORATORY (Other than CalScience Courier):

- 2.9 °C Temperature blank.
°C IR thermometer.
Ambient temperature (For Air & Filter only).

Initial: JP

CUSTODY SEAL INTACT:

Sample(s): Cooler: No (Not Intact): Not Present: [checked]

Initial: JP

SAMPLE CONDITION:

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

Initial: JP

COMMENTS:

Blank lines for handwritten comments.

WELL GAUGING DATA

Project # 080917-MN1 Date 9/17/08 Client Shell

Site 2350 (2368) Harrison St., Oakland

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOE	Notes
S-1	0927	4					5.05	15.81		
S-2	0922	4				6.16	15.75			
S-3	0918	4				6.86	20.53			
S-4	0911	4				6.43	20.70			
S-5	0908	4				6.73	16.18			
S-6	0915	4				6.92	15.61			

SHELL WELL MONITORING DATA SHEET

BTS #: <u>080A17-MN1</u>	Site: <u>2350 (2368) Harrison St</u>
Sampler: <u>MILAN</u>	Date: <u>9/17/08</u>
Well I.D.: <u>S-1</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth (TD): <u>15.81</u>	Depth to Water (DTW): <u>5.05</u>
Depth to Free Product: <u>N/A</u>	Thickness of Free Product (feet): <u>N/A</u>
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>7.20</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

Other: _____

$\frac{7.0 \text{ (Gals.)} \times 3}{\text{Specified Volumes}} = \frac{21.0}{\text{Calculated Volume}} \text{ Gals.}$	<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
1121	67.6	6.3	9994	10	7.0	clear light odor
1123	Well dewatered				13.0	DTW = 13.97
1124						
1330	68.4	6.5	9402	15	—	clear, RIN w/ HCL odor

Did well dewater? Yes No Gallons actually evacuated: 13.0

Sampling Date: 9/17/08 Sampling Time: 1330 Depth to Water: 11.75 (2hr)

Sample I.D.: S-1 Laboratory: STL Other Cal Science

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

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

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

9.59

SHELL WELL MONITORING DATA SHEET

BTS #: <u>080917-MN1</u>	Site: <u>2350 (2368) Harrison St</u>
Sampler: <u>Mile N</u>	Date: <u>9/17/08</u>
Well I.D.: <u>S-2</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth (TD): <u>15.75</u>	Depth to Water (DTW): <u>6.16</u>
Depth to Free Product: <u>NA</u>	Thickness of Free Product (feet): <u>NA</u>
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>9.08</u>	

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

<u>6.2</u> (Gals.) X <u>3</u> = <u>18.6</u> Gals.	Well Diameter	Multiplier	Well Diameter	Multiplier
1 Case Volume	Specified Volumes	Calculated Volume	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
1106	70.5	6.6	3051	10	6.2	clear
1108	72.9	6.6	3034	12	12.4	clear light odor
1109	well	dewatered			13.0	DTW = 14.00
1315	71.1	6.9	2931	8	-	clear

Did well dewater? Yes No Gallons actually evacuated: 13.0

Sampling Date: 9/17/08 Sampling Time: 1315 Depth to Water: 11.70 (2hr)

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

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

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

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

D.O. (if req'd): Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: <u>080917-MNI</u>	Site: <u>2350 (2368) Harrison St</u>
Sampler: <u>MILK N</u>	Date: <u>9/17/08</u>
Well I.D.: <u>S-3</u>	Well Diameter: 2 3 <u>(4)</u> 6 8 _____
Total Well Depth (TD): <u>20.53</u>	Depth to Water (DTW): <u>6.86</u>
Depth to Free Product: <u>NA</u>	Thickness of Free Product (feet): <u>NA</u>
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>9.59</u>	

Purge Method: Bailer Disposable Bailer Positive Air Displacement <input checked="" type="checkbox"/> Electric Submersible	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: <input checked="" type="checkbox"/> Bailer Disposable Bailer Extraction Port Dedicated Tubing Other: _____
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$\frac{8.9 \text{ (Gals.)} \times 3 \text{ Specified Volumes}}{1 \text{ Case Volume}} = 27.0 \text{ Gals. Calculated Volume}$	<table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1051	68.8	6.8	3091	37	9.0	clear
1053	73.4	6.8	2557	28	18.0	clear
1054	Well dewatered				22.0	DTW = 18.78
1300	69.6	7.1	2068	16	—	clear

Did well dewater? Yes No Gallons actually evacuated: 22.0

Sampling Date: 9/17/08 Sampling Time: 1300 Depth to Water: 15.50 (2hr)

Sample I.D.: S-3 Laboratory: STL Other Cal Science

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

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

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: <u>080917-MN1</u>	Site: <u>2350 (2368) Harrison St</u>
Sampler: <u>Mike N</u>	Date: <u>9/17/08</u>
Well I.D.: <u>S-4</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth (TD): <u>20.70</u>	Depth to Water (DTW): <u>6.43</u>
Depth to Free Product: <u>NA</u>	Thickness of Free Product (feet): <u>NA</u>
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>9.28</u>	

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

9.3 (Gals.) X 3 = 27.9 Gals.
 1 Case Volume Specified Volumes Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1020	68.5	6.7	6702	34	9.3	CLEAR
1022	69.4	6.7	6951	32	18.6	CLEAR
1023	Well	dewatered			20.0	DTW = 18.89
1235	66.5	6.8	7064	21	—	CLEAR, RXN = HCL

Did well dewater? Yes No Gallons actually evacuated: 20.0

Sampling Date: 9/17/08 Sampling Time: 1235 Depth to Water: 13.70 (2 hr)

Sample I.D.: S-4 Laboratory: STL Other: Cal Science

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

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

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

D.O. (if req'd):	Pre-purge:	<u>mg/L</u>	Post-purge:	<u>mg/L</u>
O.R.P. (if req'd):	Pre-purge:	<u>mV</u>	Post-purge:	<u>mV</u>

9.75

SHELL WELL MONITORING DATA SHEET

BTS #: <u>080917-MN1</u>	Site: <u>2350 (2368) Harrison St</u>
Sampler: <u>MILAN</u>	Date: <u>9/17/08</u>
Well I.D.: <u>S-5</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth (TD): <u>16.18</u>	Depth to Water (DTW): <u>6.73</u>
Depth to Free Product: <u>NA</u>	Thickness of Free Product (feet): <u>NA</u>
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: <input type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Positive Air Displacement <input checked="" type="checkbox"/> Electric Submersible	<input type="checkbox"/> Waterra <input type="checkbox"/> Peristaltic <input type="checkbox"/> Extraction Pump <input type="checkbox"/> Other _____	Sampling Method: <input checked="" type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port <input type="checkbox"/> Dedicated Tubing <input type="checkbox"/> Other _____
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$\frac{6.1}{\text{I Case Volume}} (\text{Gals.}) \times \frac{3}{\text{Specified Volumes}} = \frac{18.3}{\text{Calculated Volume}} \text{ Gals.}$	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (µS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1032	66.7	6.6	14150	17	6.1	clear
1034	66.7	6.7	13750	119	12.2	
1035	Well	dewatered			13.0	DTW = 14.31
1250	66.5	6.8	13830	36	—	clear, rxn w/ HCL

Did well dewater? Yes No Gallons actually evacuated: 13.0

Sampling Date: 9/17/08 Sampling Time: 1250 Depth to Water: 9.80 (2hr)

Sample I.D.: S-5 Laboratory: STL Other: Cal Science

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

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

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: <u>080917-MN1</u>	Site: <u>2350 (2368) Harrison St</u>
Sampler: <u>MILAN</u>	Date: <u>9/17/08</u>
Well I.D.: <u>S-6</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth (TD): <u>15.61</u>	Depth to Water (DTW): <u>6.92</u>
Depth to Free Product: <u>NA</u>	Thickness of Free Product (feet): <u>NA</u>
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>8.66</u>	

Purge Method: <input type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Positive Air Displacement <input checked="" type="checkbox"/> Electric Submersible	Waterra <input type="checkbox"/> Peristaltic <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <input checked="" type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port <input type="checkbox"/> Dedicated Tubing Other: _____
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$\frac{5.7 \text{ (Gals.)} \times 3 \text{ Specified Volumes}}{1 \text{ Case Volume}} = 17.1 \text{ Gals. Calculated Volume}$	<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 <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1136	69.0	7.0	3911	19	5.7	Clear
1137	71.3	7.0	3199	36	11.4	Clear
1138	well	dewatered			11.5	DTW = 13.79
1345	71.2	7.0	3261	12	-	clear odor

Did well dewater? Yes No Gallons actually evacuated: 11.5

Sampling Date: 9/17/08 Sampling Time: 1345 Depth to Water: 8.90 (2 hr)

Sample I.D.: S-6 Laboratory: STL Other: Cal Science

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

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

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL SITE INSPECTION CHECKLIST

Client Shell Date 8-6-08
 Site Address 2350 (2368) Harrison St.
 Job Number 080806-EC2 Technician EC

Site Status _____ Branded Station _____ Vacant Lot Other 7-11, BMW Audi Dealer

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

Notes _____

PROJECT MANAGER ONLY

Checklist Reviewed <u>md 8/7</u> <small>Initial/Date</small>	Notes
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SHELL WELLHEAD REPAIR FORM

(FOR REPAIR TECHNICIAN)

Site Address 2350 (2368) Harrison St. Date 8-6-08
 Job Number 080806-EC2 Technician EC Page 1 of 1

Inspection Point (Well ID or description of location)	Check Indicates deficiency													All Repairs Completed	Remaining Deficiencies Logged onto BLAINE Repair Order	Remaining Deficiencies Logged onto Notice of Deficient Condition - BLAINE Unable to Repair			
	Well Inspected, Cleaned, Labeled - No Further Corrective Action Required	Replaced Cap	Replaced Lock	Replaced Lid Seal	Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Below Grade	Not Securable by Design (12" diameter or less)	Lid not marked with words "MONITORING WELL"				Other Deficiency	Not Securable by Design (greater than 12" diameter)	Well Not Inspected (explain in notes)
S-1							X										X		
	Notes: <u>cleaned Paper tags all wells</u>																		
	Well box type / size: <u>12" morr.</u>									Materials used: <u>ZRT</u>									
S-2																	X		
	Notes: <u>cleaned</u>																		
	Well box type / size: <u>12" morr.</u>									Materials used: <u>ZRT</u>									
S-3																	X		
	Notes: <u>cleaned</u>																		
	Well box type / size: <u>12" morr.</u>									Materials used: <u>ZRT</u>									
S-4																	X		
	Notes: <u>cleaned</u>																		
	Well box type / size: <u>12" morr.</u>									Materials used: <u>ZRT</u>									
S-5																	X		
	Notes: <u>cleaned</u>																		
	Well box type / size: <u>12" morr.</u>									Materials used: <u>ZRT</u>									
S-6																	X		
	Notes: <u>cleaned</u>																		
	Well box type / size: <u>12" morr.</u>									Materials used: <u>ZRT</u>									
																	X		
	Notes: <u>cleaned</u>																		
	Well box type / size:									Materials used:									

