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 14, 2011

REFERENCE NO.: 060119

PROJECT NAME: 2350 (2368) Harrison Street, Oakland

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

RECEIVED
8:50 am, Feb 15, 2011
Alameda County
Environmental Health

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

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- ☐ Mail
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- ☐ Same Day Courier
- ☒ Other GeoTracker and Alameda County FTP

QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report – Fourth Quarter 2010

- ☐ 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 (electronic copy)
Richard Burge, 490 Grand Avenue, Suite 100, Oakland, CA 94610

Completed by: Peter Schaefer Signed: Peter Schaefer

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.

If you have any questions or concerns, please call me at (707) 865-0251.

Sincerely,

Denis L. Brown
Senior Program Manager

GROUNDWATER MONITORING REPORT - FOURTH QUARTER 2010

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

SAP CODE	173318
INCIDENT NO.	97743969
AGENCY NO.	RO0000505

Prepared by:
Conestoga-Rovers & Associates

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Emeryville, California
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FEBRUARY 14, 2011
REF. NO. 060119 (17)
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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).

1.1 SITE INFORMATION

Site Address	2350 (2368) Harrison Street, Oakland
Site Use	7-Eleven 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 November 15, 2010.

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 September 19, 2010 *Subsurface Investigation Report* presented investigation details for six off-site soil borings drilled to further evaluate soil and groundwater conditions south of the site. Three proposed borings could not be drilled safely due to the presence of underground utilities in Harrison Street and 24th Street, and one proposed boring

could not be drilled at 2337 Harrison Street because Shell was not able to reach an access agreement with the property owner. Only the total petroleum hydrocarbon as diesel (TPHd) soil detection (370 milligrams per kilogram) in boring B-7 at 5 feet below grade exceeded the San Francisco Bay Regional Water Quality Control Board's (RWQCB's) environmental screening levels (ESLs) for shallow soil where groundwater is not a source of drinking water.[1] Total petroleum hydrocarbons as gasoline (TPHg) and TPHd were the only hydrocarbons detected in the grab groundwater samples which exceeded the RWQCB ESLs for groundwater where groundwater is not a drinking water source. CRA noted that hydrocarbon groundwater concentrations in the off-site borings are higher than on-site concentrations and increase with distance from the site along Harrison Street to maximum concentrations of oil and grease, TPHd, and TPHg at soil boring HP-2 drilled in May 2009. This suggests that the site is not the source and that there is or was an off-site source. The data from boring B-6 indicate that soil and groundwater impacts attenuate to the south of the site to below ESLs for soil and groundwater where groundwater is not a drinking water source.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Variable
Hydraulic Gradient	Variable
Depth to Water	3.62 to 6.71 feet below top of well casing

2.3 PROPOSED ACTIVITIES

Alameda County Environmental Health's (ACEH's) November 15, 2011 letter requested a review of historical uses of the subject property to identify any previous uses which could have released heavier petroleum hydrocarbons. CRA will submit a report detailing historical uses of the property by February 18, 2011.

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.

---

1 *Screening for Environmental Concerns at Site With Contaminated Soil and Groundwater,* California Regional Water Quality Control Board, Interim Final – November 2007 [Revised May 2008]

3.0 DISCUSSION

Based on relatively consistent groundwater analytical data for VOCs and PAHs in wells S-1 and S-6 which have not exceeded available ESLs, CRA proposes to suspend these analyses for these wells. Unless directed otherwise, we will suspend these VOC and PAH analyses beginning with the second quarter 2011 groundwater monitoring event.

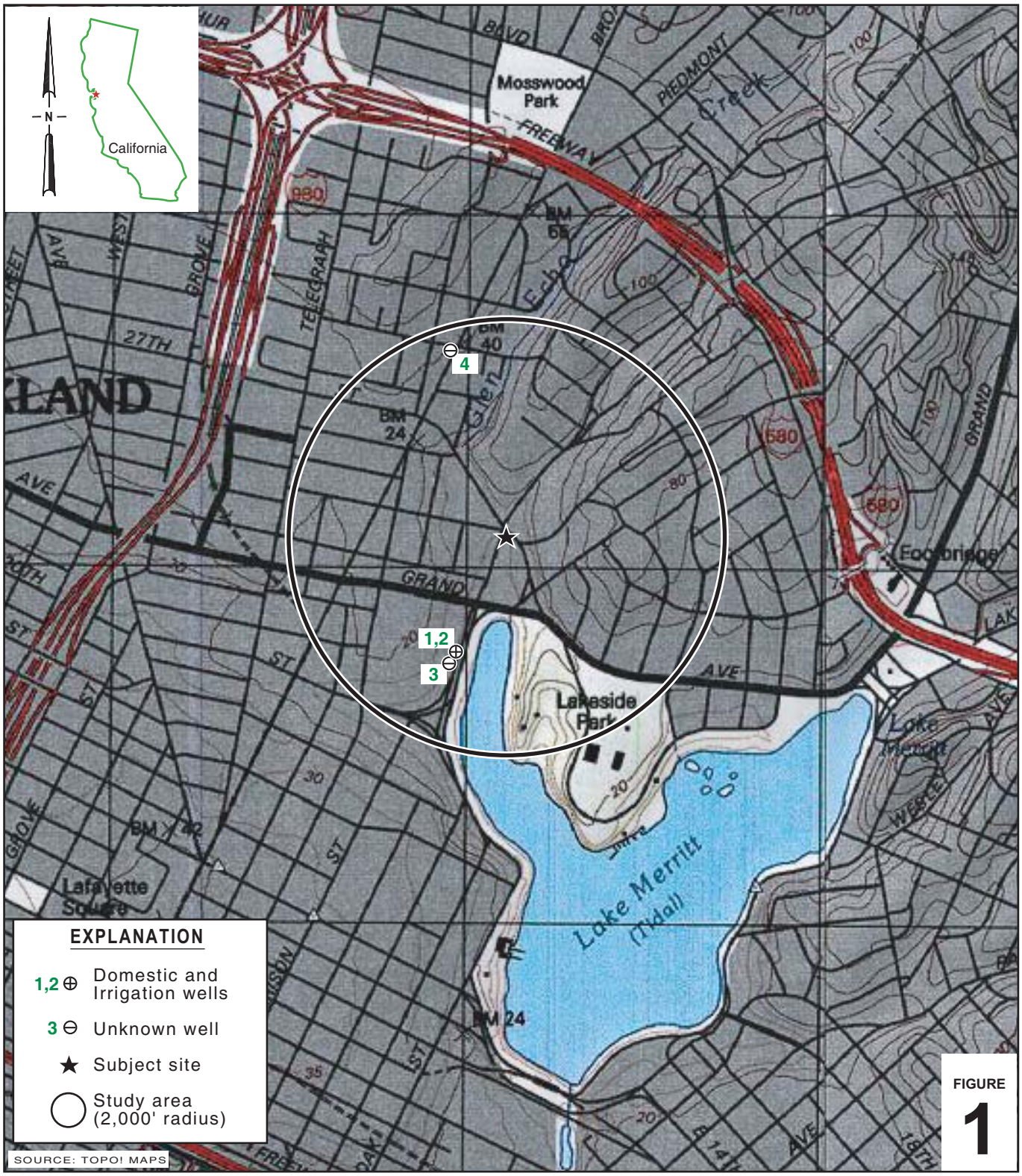
All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

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

02/07/2011

Groundwater Contour and Chemical Concentration Map

December 9, 2010

EXPLANATION

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

Well
ELEV
TPHg
Benzene

Notes:
ND = Not detected

HARRISON STREET

HARRISON STREET

Underground Culvert & Storm Drain (Approx.)

Median

BAY PLACE

Former Shell Station
2368 Harrison St.

Street Light (typ.)

Sign

Pole

Driveway

Former Dispenser

Former Dispenser Island

Former USTs

Sidewalk

Planter

Light Pole

Lamp Post

Former Waste Oil UST

Former Station Building

Former Tire/Wheel Hoist

Former Drive-on Hoist

Fenced Enclosure

7-11 Store Building
2350 Harrison St.

Beck's BMW
2344 Harrison St.

Rouse Tire
2340 Harrison St.

Rouse Tire

Offices

Parking Lot

SAN

S-1	6.31	2,500	140
S-2	4.04	1,600	7.2
S-3	3.96	ND	ND
S-4	5.15	ND	ND
S-5	3.83	79	ND
S-6	3.85	1,300	28

4.25
5.00
5.75

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--\060119-Oakland 2350 Harrison St\060119-REPORTS\060119-RPT17-4Q10\060119 4QM10-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-1	5/18/2010	<100	<20	2.6	4.2	<2.0	<2.0	<2.0	11	<2.0	6.5	<2.0	<2.0
S-1	12/9/2010	<100	<20	2.4	5.4	<2.0	<2.0	<2.0	12	<2.0	7.9	<2.0	<2.0
S-2	6/11/2008	<250	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
S-3	6/11/2008	<50	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
S-4	6/11/2008	<50	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
S-5	6/11/2008	<50	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
S-6	6/11/2008	59	12	21	11	<1.0	1.7	2.0	56	<1.0	79	<1.0	<1.0
S-6	5/26/2009	<50	<10	4.4	5.8	<1.0	<1.0	<1.0	6.1	<1.0	3.9	<1.0	<1.0
S-6	11/30/2009	<50	<10	2.2	3.2	<1.0	<1.0	<1.0	2.4	<1.0	<1.0	<1.0	<1.0
S-6	5/18/2010	<50	<10	1.1	2.2	<1.0	1.0	<1.0	3.4	<1.0	<1.0	<1.0	<1.0
S-6	12/9/2010	<50	<10	<1.0	<1.0	<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

January 4, 2011

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

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

Monitoring performed on December 9, 2010

Groundwater Monitoring Report **101209-FS-1**

This report covers the routine monitoring of groundwater wells at this former Shell service station. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

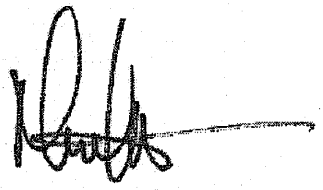
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight-hour refresher courses.

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	<1,000	NA	200	3.0	42	2.6	<2.0	25	<4.0	<4.0	150	<1.0	<2.0	9.93	3.72	6.21
S-1	05/18/2010	1,600	710 a,b	<1,000	NA	180	3.0	34	2.3	<2.0	25	<4.0	<4.0	150	<1.0	<2.0	9.93	5.54	4.39
S-1	**12/09/2010**	**2,500**	**590 a,b**	**<1,000**	**NA**	**140**	**2.4**	**40**	**2.2**	**<2.0**	**22**	**<4.0**	**<4.0**	**130**	**<1.0**	**<2.0**	**9.93**	**3.62**	**6.31**
S-2	06/09/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.37	6.60	3.77
S-2	06/11/2008	960	800 a,b	1,300	<250 a	3.0	<5.0	<5.0	<5.0	<5.0	20	<10	<10	<50	<2.5	<5.0	10.37	6.80	3.57
S-2	09/17/2008	1,700	490 a,b	<1,000	<250 a	3.4	<1.0	8.3	1.1	<1.0	7.3	<2.0	<2.0	16	<0.50	<1.0	10.37	6.16	4.21
S-2	12/11/2008	1,800	210 a	<1,000	280 a	5.2	<1.0	6.9	1.2	<1.0	11	<2.0	<2.0	23	<0.50	<1.0	10.37	6.08	4.29
S-2	02/25/2009	2,100	590 a,b	<1,000	<250 a	7.7	2.6	3.8	2.0	<1.0	12	<2.0	<2.0	28	<0.50	<1.0	10.37	5.34	5.03
S-2	05/26/2009	1,200	570 a,b	<1,000	NA	6.2	1.5	3.6	1.4	NA	NA	NA	NA	NA	NA	NA	10.37	5.63	4.74
S-2	11/30/2009	1,200	480 a,b	<1,000	NA	4.7	1.3	1.5	1.5	NA	NA	NA	NA	NA	NA	NA	10.37	6.17	4.20
S-2	05/18/2010	1,300	740 a,b	1,900	NA	7.3	2.3	1.1	1.9	NA	NA	NA	NA	NA	NA	NA	10.37	5.61	4.76
S-2	**12/09/2010**	**1,600**	**490 a,b**	**1,300**	**NA**	**7.2**	**2.6**	**<1.0**	**2.5**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**10.37**	**6.33**	**4.04**
S-3	06/09/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.49	6.93	3.56
S-3	06/11/2008	82	100 a,b	2,800	<250 a	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	<0.50	<1.0	10.49	7.45	3.04
S-3	09/17/2008	<50	<50 a	1,200	<250 a	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	<0.50	<1.0	10.49	6.86	3.63
S-3	12/11/2008	<50	92 a	<1,000	<250 a	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	<0.50	<1.0	10.49	6.74	3.75
S-3	02/25/2009	<50	<50 a	<1,000	<250 a	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	<0.50	<1.0	10.49	6.01	4.48
S-3	05/26/2009	<50	<50 a	<1,000	NA	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	10.49	6.58	3.91
S-3	11/30/2009	<50	<50 a	<1,000	NA	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	10.49	6.72	3.77
S-3	05/18/2010	<50	<50 a	<1,000	NA	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	10.49	6.51	3.98
S-3	**12/09/2010**	**<50**	**<50 a**	**<1,000**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**10.49**	**6.53**	**3.96**
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

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-4	11/30/2009	<50	<50 a	<1,000	NA	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	10.56	5.67	4.89
S-4	05/18/2010	<50	<50 a	1,200	NA	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	10.56	6.91	3.65
S-4	**12/09/2010**	**<50**	**<50 a**	**<1,000**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**10.56**	**5.41**	**5.15**
S-5	06/09/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.54	6.64	3.90
S-5	06/11/2008	<50	80 a,b	1,700	<250 a	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	<0.50	<1.0	10.54	6.67	3.87
S-5	09/17/2008	60	64 a,b	<1,000	<250 a	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	<0.50	<1.0	10.54	6.73	3.81
S-5	12/11/2008	54	63 a	<1,000	<250 a	<0.50	<1.0	<1.0	1.1	<1.0	<2.0	<2.0	<2.0	<10	<0.50	<1.0	10.54	6.77	3.77
S-5	02/25/2009	100	<50 a	<1,000	<250 a	<0.50	<1.0	1.1	1.1	<1.0	<2.0	<2.0	<2.0	<10	<0.50	<1.0	10.54	6.65	3.89
S-5	05/26/2009	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.54	NA	NA
S-5	11/30/2009	120	77 a	<1,000	NA	<0.50	<1.0	<1.0	1.1	NA	NA	NA	NA	NA	NA	NA	10.54	6.91	3.63
S-5	05/18/2010	77	140 a,b	<1,000	NA	<0.50	<1.0	1.1	1.1	NA	NA	NA	NA	NA	NA	NA	10.54	6.75	3.79
S-5	**12/09/2010**	**79**	**<50 a**	**<1,000**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**10.54**	**6.71**	**3.83**
S-6	06/09/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.56	6.98	3.58
S-6	06/11/2008	6,500	2,900 a,b	2,700	<250 a	180	25	3.9	19.1	<1.0	18	<2.0	<2.0	190	<0.50	<1.0	10.56	7.04	3.52
S-6	09/17/2008	8,000	3,000 a,b	1,200	260 b,a	160	16	3.3	14.4	<1.0	8.7	<2.0	<2.0	65	<0.50	<1.0	10.56	6.92	3.64
S-6	12/11/2008	5,300	2,700 a,b	1,200	<250 a	120	7.3	<5.0	5.1	<5.0	<10	<10	<10	92	<2.5	<5.0	10.56	4.80	5.76
S-6	02/25/2009	6,100	1,700 a,b	<1,000	<250 a	82	6.3	<5.0	<5.0	<5.0	<10	<10	<10	88	<2.5	<5.0	10.56	6.30	4.26
S-6	05/26/2009	3,400	2,100 a,b	<1,000	NA	50	4.0	<1.0	4.6	<1.0	7.8	<2.0	<2.0	69	<0.50	<1.0	10.56	6.87	3.69
S-6	11/30/2009	2,200	950 a,b	<1,000	NA	33	3.6	<1.0	2.1	<1.0	4.6	<2.0	<2.0	40	<0.50	<1.0	10.56	6.94	3.62
S-6	05/18/2010	1,400	820 a,b	1,000	NA	27	5.6	<1.0	2.9	<1.0	6.0	<2.0	<2.0	62	<0.50	<1.0	10.56	6.73	3.83
S-6	**12/09/2010**	**1,300**	**440 a,b**	**<1,000**	**NA**	**28**	**4.8**	**<1.0**	**2.7**	**<1.0**	**4.9**	**<2.0**	**<2.0**	**34**	**<0.50**	**<1.0**	**10.56**	**6.71**	**3.85**

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)

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.

Calscience
Environmental
Laboratories, Inc.

December 23, 2010

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

Subject: **Calscience Work Order No.: 10-12-0998**
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 12/11/2010 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

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

Sincerely,

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	12/11/10
1680 Rogers Avenue		Work Order No:	10-12-0998
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
S-1	10-12-0998-1-E	12/09/10 14:45	Aqueous	GC 48	12/14/10	12/14/10 20:36	101214B02

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	590	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	106	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-2	10-12-0998-2-E	12/09/10 15:05	Aqueous	GC 48	12/14/10	12/14/10 20:54	101214B02

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	93	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-3	10-12-0998-3-E	12/09/10 14:20	Aqueous	GC 48	12/14/10	12/14/10 21:11	101214B02

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	104	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-4	10-12-0998-4-E	12/09/10 14:00	Aqueous	GC 48	12/14/10	12/14/10 21:29	101214B02

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	104	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: 12/11/10
Work Order No: 10-12-0998
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-5	10-12-0998-5-E	12/09/10 14:30	Aqueous	GC 48	12/14/10	12/14/10 21:47	101214B02

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	95	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-6	10-12-0998-6-E	12/09/10 14:55	Aqueous	GC 48	12/14/10	12/14/10 22:05	101214B02

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	440	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	97	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-211-1,960	N/A	Aqueous	GC 48	12/14/10	12/14/10 13:23	101214B02

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	92	68-140	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	12/11/10
1680 Rogers Avenue	Work Order No:	10-12-0998
San Jose, CA 95112-1105	Preparation:	EPA 5030C
	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	10-12-0998-1-A	12/09/10 14:45	Aqueous	GC/MS PP	12/15/10	12/16/10 07:38	101215L05

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	100	2		c-1,3-Dichloropropene	ND	1.0	2	
Benzene	140	1.0	2		t-1,3-Dichloropropene	ND	1.0	2	
Bromobenzene	ND	2.0	2		Ethylbenzene	40	2.0	2	
Bromochloromethane	ND	2.0	2		2-Hexanone	ND	20	2	
Bromodichloromethane	ND	2.0	2		Isopropylbenzene	12	2.0	2	
Bromoform	ND	2.0	2		p-Isopropyltoluene	ND	2.0	2	
Bromomethane	ND	20	2		Methylene Chloride	ND	20	2	
2-Butanone	ND	20	2		4-Methyl-2-Pentanone	ND	20	2	
n-Butylbenzene	2.4	2.0	2		Naphthalene	ND	20	2	
sec-Butylbenzene	5.4	2.0	2		n-Propylbenzene	7.9	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	10	2		Toluene	2.4	2.0	2	
Chloroform	ND	2.0	2		1,2,3-Trichlorobenzene	ND	2.0	2	
Chloromethane	ND	20	2		1,2,4-Trichlorobenzene	ND	2.0	2	
2-Chlorotoluene	ND	2.0	2		1,1,1-Trichloroethane	ND	2.0	2	
4-Chlorotoluene	ND	2.0	2		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	20	2	
Dibromochloromethane	ND	2.0	2		1,1,2-Trichloroethane	ND	2.0	2	
1,2-Dibromo-3-Chloropropane	ND	10	2		Trichloroethene	ND	2.0	2	
1,2-Dibromoethane	ND	2.0	2		Trichlorofluoromethane	ND	20	2	
Dibromomethane	ND	2.0	2		1,2,3-Trichloropropane	ND	10	2	
1,2-Dichlorobenzene	ND	2.0	2		1,2,4-Trimethylbenzene	ND	2.0	2	
1,3-Dichlorobenzene	ND	2.0	2		1,3,5-Trimethylbenzene	ND	2.0	2	
1,4-Dichlorobenzene	ND	2.0	2		Vinyl Acetate	ND	20	2	
Dichlorodifluoromethane	ND	2.0	2		Vinyl Chloride	ND	1.0	2	
1,1-Dichloroethane	ND	2.0	2		Xylenes (total)	2.2	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)	130	20	2	
c-1,2-Dichloroethene	ND	2.0	2		Diisopropyl Ether (DIPE)	22	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	2500	100	2	
1,1-Dichloropropene	ND	2.0	2						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	87	80-126		1,2-Dichloroethane-d4	88	80-134	
Toluene-d8-TPPH	102	88-112		Toluene-d8	101	80-120	
1,4-Bromofluorobenzene	105	80-120					

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: 12/11/10
Work Order No: 10-12-0998
Preparation: EPA 5030C
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	10-12-0998-6-A	12/09/10 14:55	Aqueous	GC/MS PP	12/15/10	12/16/10 02:08	101215L05

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	28	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	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	5.0	1		Toluene	4.8	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)	2.7	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)	34	10	1	
c-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	4.9	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	1300	50	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	86	80-126		1,2-Dichloroethane-d4	94	80-134	
Toluene-d8-TPPH	103	88-112		Toluene-d8	102	80-120	
1,4-Bromofluorobenzene	106	80-120					

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: 12/11/10
Work Order No: 10-12-0998
Preparation: EPA 5030C
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	**099-12-767-5,057**	**N/A**	**Aqueous**	**GC/MS PP**	**12/15/10**	**12/16/10 01:40**	**101215L05**

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	5.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		Xylenes (total)	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
c-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
t-1,2-Dichloroethene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
2,2-Dichloropropane	ND	1.0	1		TPPH	ND	50	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	88	80-126		1,2-Dichloroethane-d4	95	80-134	
Toluene-d8	100	80-120		Toluene-d8-TPPH	100	88-112	
1,4-Bromofluorobenzene	101	80-120					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	12/11/10
1680 Rogers Avenue	Work Order No:	10-12-0998
San Jose, CA 95112-1105	Preparation:	EPA 5030C
	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	10-12-0998-2-A	12/09/10 15:05	Aqueous	GC/MS PP	12/15/10	12/16/10 08:06	101215L06

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	7.2	0.50	1		Xylenes (total)	2.5	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	1600	50	1	
Toluene	2.6	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	85	80-126			1,2-Dichloroethane-d4	92	80-134		
Toluene-d8	101	80-120			Toluene-d8-TPPH	102	88-112		
1,4-Bromofluorobenzene	104	80-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-3	10-12-0998-3-A	12/09/10 14:20	Aqueous	GC/MS PP	12/15/10	12/16/10 08:33	101215L06

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	89	80-126			1,2-Dichloroethane-d4	93	80-134		
Toluene-d8	101	80-120			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	100	80-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-4	10-12-0998-4-A	12/09/10 14:00	Aqueous	GC/MS PP	12/15/10	12/16/10 09:01	101215L06

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	86	80-126			1,2-Dichloroethane-d4	91	80-134		
Toluene-d8	100	80-120			Toluene-d8-TPPH	100	88-112		
1,4-Bromofluorobenzene	100	80-120							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	12/11/10
1680 Rogers Avenue	Work Order No:	10-12-0998
San Jose, CA 95112-1105	Preparation:	EPA 5030C
	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	10-12-0998-5-B	12/09/10 14:30	Aqueous	GC/MS RR	12/17/10	12/17/10 13:55	101217L01

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	79	50	1	
Toluene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	97	80-126			1,2-Dichloroethane-d4	93	80-134		
Toluene-d8	100	80-120			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	93	80-120							

Method Blank	099-12-767-5,058	N/A	Aqueous	GC/MS PP	12/15/10	12/16/10 01:40	101215L06

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	88	80-126			1,2-Dichloroethane-d4	95	80-134		
Toluene-d8	100	80-120			Toluene-d8-TPPH	100	88-112		
1,4-Bromofluorobenzene	101	80-120							

Method Blank	099-12-767-5,067	N/A	Aqueous	GC/MS RR	12/17/10	12/17/10 13:28	101217L01

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	98	80-126			1,2-Dichloroethane-d4	95	80-134		
Toluene-d8	99	80-120			Toluene-d8-TPPH	98	88-112		
1,4-Bromofluorobenzene	94	80-120							

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: 12/11/10
Work Order No: 10-12-0998

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

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-1	10-12-0998-1	12/09/10	Aqueous

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	ND	1.0	1		mg/L	12/22/10	12/22/10	EPA 1664A

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-2	10-12-0998-2	12/09/10	Aqueous

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	1.3	1.0	1		mg/L	12/22/10	12/22/10	EPA 1664A

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-3	10-12-0998-3	12/09/10	Aqueous

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	ND	1.0	1		mg/L	12/22/10	12/22/10	EPA 1664A

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-4	10-12-0998-4	12/09/10	Aqueous

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	ND	1.0	1		mg/L	12/22/10	12/22/10	EPA 1664A

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-5	10-12-0998-5	12/09/10	Aqueous

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	ND	1.0	1		mg/L	12/22/10	12/22/10	EPA 1664A

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-6	10-12-0998-6	12/09/10	Aqueous

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	ND	1.0	1		mg/L	12/22/10	12/22/10	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: 12/11/10
Work Order No: 10-12-0998

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

Client Sample Number	Lab Sample Number	Date Collected	Matrix
Method Blank		N/A	Aqueous

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	ND	1.0	1		mg/L	12/22/10	12/22/10	EPA 1664A

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 12/11/10
Work Order No: 10-12-0998
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B

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

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-6	Aqueous	GC/MS PP	12/15/10	12/16/10	101215S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	82	80	78-120	1	0-20	
Carbon Tetrachloride	72	72	67-139	0	0-20	
Chlorobenzene	99	94	80-120	4	0-20	
1,2-Dibromoethane	98	97	80-123	1	0-20	
1,2-Dichlorobenzene	89	88	76-120	2	0-20	
1,2-Dichloroethane	107	104	76-130	3	0-20	
1,1-Dichloroethene	88	82	70-130	7	0-27	
Ethylbenzene	100	98	73-127	3	0-20	
Toluene	96	94	72-126	2	0-20	
Trichloroethene	96	94	74-122	2	0-20	
Vinyl Chloride	91	87	65-131	5	0-24	
Methyl-t-Butyl Ether (MTBE)	84	82	69-123	2	0-20	
Tert-Butyl Alcohol (TBA)	84	82	65-131	3	0-22	
Diisopropyl Ether (DIPE)	89	88	68-128	1	0-22	
Ethyl-t-Butyl Ether (ETBE)	87	86	69-123	2	0-21	
Tert-Amyl-Methyl Ether (TAME)	92	91	70-124	1	0-20	
Ethanol	89	81	41-155	9	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.	Date Received: 12/11/10
1680 Rogers Avenue	Work Order No: 10-12-0998
San Jose, CA 95112-1105	Preparation: EPA 5030C
	Method: LUFT GC/MS / EPA 8260B

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

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-5	Aqueous	GC/MS RR	12/17/10	12/17/10	101217S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	94	78-120	5	0-20	
Ethylbenzene	103	98	73-127	5	0-20	
Toluene	99	93	72-126	6	0-20	

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: 10-12-0998
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
099-12-211-1,960	Aqueous	GC 48	12/14/10	12/14/10	101214B02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	99	95	75-117	4	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: 10-12-0998
Preparation: EPA 5030C
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
099-12-767-5,057	Aqueous	GC/MS PP	12/15/10	12/16/10	101215L05

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	95	94	80-120	73-127	0	0-20	
Carbon Tetrachloride	73	76	66-138	54-150	4	0-20	
Chlorobenzene	97	98	80-120	73-127	1	0-20	
1,2-Dibromoethane	100	96	80-120	73-127	4	0-20	
1,2-Dichlorobenzene	89	91	80-120	73-127	2	0-20	
1,2-Dichloroethane	105	107	80-129	72-137	2	0-20	
1,1-Dichloroethene	87	89	71-131	61-141	2	0-20	
Ethylbenzene	102	100	80-123	73-130	2	0-20	
Toluene	99	100	79-121	72-128	1	0-20	
Trichloroethene	98	99	80-120	73-127	1	0-20	
Vinyl Chloride	90	93	70-136	59-147	3	0-20	
Methyl-t-Butyl Ether (MTBE)	82	84	72-126	63-135	2	0-22	
Tert-Butyl Alcohol (TBA)	80	89	71-125	62-134	10	0-25	
Diisopropyl Ether (DIPE)	89	91	69-129	59-139	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	87	88	69-129	59-139	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	92	94	67-133	56-144	2	0-20	
Ethanol	89	95	47-155	29-173	7	0-36	
TPPH	91	90	65-135	53-147	1	0-30	

Total number of LCS compounds : 18
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: 10-12-0998
Preparation: EPA 5030C
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
099-12-767-5,058	Aqueous	GC/MS PP	12/15/10	12/15/10	101215L06

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	95	94	80-120	0	0-20	
Ethylbenzene	102	100	80-123	2	0-20	
Toluene	99	100	79-121	1	0-20	
TPPH	91	90	65-135	1	0-30	

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:	10-12-0998
San Jose, CA 95112-1105		Preparation:	EPA 5030C
		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
099-12-767-5,067	Aqueous	GC/MS RR	12/17/10	12/17/10	101217L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	102	100	80-120	2	0-20	
Ethylbenzene	102	102	80-123	0	0-20	
Toluene	102	100	79-121	2	0-20	
TPPH	91	91	65-135	0	0-30	

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: 10-12-0998

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	099-05-119-2,586	12/22/10	12/22/10	96	94	78-114	2	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-12-0998

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. 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.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)

- [x] CALSCIENCE (_____)
- [ ] SPL (_____)
- [ ] XENCO (_____)
- [ ] TEST AMERICA (_____)
- [ ] OTHER (_____)

Please Check Appropriate Box:

- [ ] ENV. SERVICES
- [ ] MOTIVA RETAIL
- [ ] SHELL RETAIL
- [ ] MOTIVA SD&CM
- [x] CONSULTANT
- [ ] LUBES
- [ ] SHELL PIPELINE
- [ ] OTHER _____

Print Bill To Contact Name: Peter Schaefer 060119

PO #:

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

- [ ] CHECK IF NO INCIDENT # APPLIES

SAP #:

DATE: 12-09-10

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services	LOG CODE: BTSS	SITE ADDRESS: Street and City: 2350 (2368) Harrison St., Oakland	State: CA
GLOBAL ID NO: T0600102237			
ADDRESS: 1680 Rogers Ave, San Jose, CA 95112			
EDF DELIVERABLE TO (Name, Company, Office Location): Anni Kreml, CRA, Emeryville	PHONE NO: (510) 420-3335	E-MAIL: Shelledf@craworld.com	CONSULTANT PROJECT NO: 10209-F51 BTS #
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	SAMPLER NAME(S) (Print): F. SIMONETTO

LAB USE ONLY: 10-12-0998

TURNAROUND TIME (CALENDAR DAYS):
- [x] 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
- [x] 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)	VOC's 8260	TPH-MO (8015M)	Oil & Grease (1664A)	Chloronated Solvents (8260B)				Container PID Readings or Laboratory Notes
1	S-1	12-9-10	1445	W	6		1	2		9	X	X	X											X		X					MS/MSD
2	S-2	"	1505	"	3		1	2		6	X	X	X													X					
3	S-3		1420		3		1	2		6	X	X	X													X					
4	S-4		1400		3		1	2		6	X	X	X													X					
5	S-5		1430		3		1	2		6	X	X	X													X					
6	S-6		1455		3		1	2		6	X	X	X											X		X					

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature) (SAMPLE CUSTODIAN)	Date: 12-9-10	Time: 1830
Relinquished by: (Signature)	Received by: (Signature) CEL	Date: 12/10/10	Time: 1010
Relinquished by: (Signature) CEL 12/10/10 1730	Received by: (Signature) CEL	Date: 12/11/10	Time: 0920

05/2/06 Revision

GSO

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ALAN KEMP
CAL SCIENCE- CONCORD
5063 COMMERCIAL CIRCLE #H
CONCORD, CA 94520

Ship To:
SAMPLE RECEIVING
CEL
7440 LINCOLN WAY
GARDEN GROVE, CA 92841

COD:
$0.00

Reference:
BTS

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 515533234

SDS

ORC D

GARDEN GROVE

D92843A

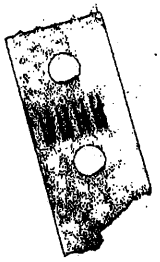
87027879

Print Date : 12/10/10 15:11 PM

Package 1 of 1

Send Label To Printer | ☑ Print All | Edit Shipment | Finish

0998



Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-12-0998

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: BTS

DATE: 12/11/10

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

Temperature 2.2 °C + 0.5 °C (CF) = 2.7 °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 **Initial:** YC

CUSTODY SEALS INTACT:

☑ Cooler ☐____ ☐ No (Not Intact) ☐ Not Present ☐ N/A **Initial:** YC

☐ Sample ☐____ ☐ No (Not Intact) ☑ Not Present **Initial:** JY

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.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
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 ☑3 ☑VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☑1AGB**s**

☐500AGB ☑2 ☑500AGJ ☐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#:**____ **Labeled/Checked by:** JY

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

Preservative: h: HCL n: HNO_3 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:** YC

WELL GAUGING DATA

Project # 101209-FS1 Date 12-9-10 Client SHELL

Site 2350 HARRISON ST. OAKLAND, CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
S-1	918	4					3.62	15.80	TOC	
S-2	907	4					6.33	15.71	↓	
S-3	902	4					6.53	20.50	↓	
S-4	853	4					5.91	20.55	↓	
S-5	857	4					6.71	16.17	↓	
S-6	912	4					6.71	15.75	↓	

WELL MONITORING DATA SHEET

BTS #: 101209-FS1	Site: 2350 H. 22ISON ST. OAKLAND, CA
Sampler: FS	Date: 12-9-10
Well I.D.: S-1	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 15.80	Depth to Water (DTW): 3.62
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]: 6.06	

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: ____

8.0 (Gals.) X	3	=	24.0 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
954	63.3	6.60	9350	28	8.0	ODOR
—	WELL	DEWATERED	@	12	GALS	—
1445	64.7	6.58	12490	12	—	

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

Sampling Date: 12-9-10 Sampling Time: 1445 Depth to Water: 11.30 (2 hours)

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

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

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

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

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

SITE WELL MONITORING DATA SHEET

BTS #: 101209-FS1	Site: 2350 HARRISON ST. OAKLAND, CA
Sampler: FS	Date: 12-9-10
Well I.D.: S-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 15.71	Depth to Water (DTW): 6.33
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]: 8.20	

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: _____

6.1 (Gals.) X 3 = 18.3 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1022	67.6	6.55	2721	7	6.1	
—	WELL	DEWATERED	@	11	GALLONS	
1505	66.9	7.06	2858	5	—	

Did well dewater? (Yes) No Gallons actually evacuated: 11

Sampling Date: 12-9-10 Sampling Time: 1505 Depth to Water: 8.25 (2 hours)

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

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

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

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

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

SITE WELL MONITORING DATA SHEET

BTS #: 101209-FS1	Site: 2350 HARRISON ST. OAKLAND, CA
Sampler: FS	Date: 12-9-10
Well I.D.: S-3	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 20.50	Depth to Water (DTW): 6.53
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]: 9.32	

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

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

9.1 (Gals.) X	3	=	18.3 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1003	68.8	6.78	2150	8	9.1	
1005	69.8	6.41	3213	42	18.2	
—	WELL	DEWATERED	@	21	GALLONS	
1420	68.0	7.45	3108	7		

Did well dewater? (Yes) No Gallons actually evacuated: 21

Sampling Date: 12-9-10 Sampling Time: 1420 Depth to Water: 14.21 (2 WKS)

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

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

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

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

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

SITE WELL MONITORING DATA SHEET

BTS #: 101209-FS1	Site: 2350 HARRISON ST. OAKLAND, CA
Sampler: FS	Date: 12-9-10
Well I.D.: S-4	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 20.55	Depth to Water (DTW): 5.41
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]: 8.93	

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

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

9.9 (Gals.) X	3	=	29.7 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
925	65.4	6.65	5638	79	9.9	
— WELL	DEWATERED	@	16	GALS		
1400	66.1	7.19	7187	39	—	

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

Sampling Date: 12-9-10 Sampling Time: 1400 Depth to Water: 12.12 (2 hours)

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

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

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

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

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

SITE WELL MONITORING DATA SHEET

BTS #: 101209-FS1	Site: 2350 HARRISON ST. OAKLAND, CA
Sampler: FS	Date: 12-9-10
Well I.D.: S-5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 16.17	Depth to Water (DTW): 6.71
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]: 8.60	

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
934	66.0	6.60	12750	31	6.2	
—	WELL	DEWATERED @		10	GALLONS	
1430	65.2	6.74	12050	15	—	

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

Sampling Date: 12-9-10 Sampling Time: 1430 Depth to Water: 8.82 (2 hours)

Sample I.D.: S-5 Laboratory: (CalScience) Columbia Other_____

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

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

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

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

SHEET WELL MONITORING DATA SHEET

BTS #: 101209-FS1	Site: 2350 HARRISON ST. OAKLAND, CA
Sampler: FS	Date: 12-9-10
Well I.D.: S-6	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 15.75	Depth to Water (DTW): 6.71
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]: 8.51	

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: _____

5.9 (Gals.) X	3	=	17.7 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
1013	66.7	6.89	3168	9	5.9	
—	WELL	DEWATERED	@	8	GALLONS	
1455	65.1	6.65	4723	12	—	

Did well dewater? (Yes) No Gallons actually evacuated: 8.0

Sampling Date: 12-9-10 Sampling Time: 1455 Depth to Water: 8.63 (2 hours)

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

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

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

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

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

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 2350 HARRISON ST OAKLAND Date 12-9-10

Job Number 101209-FS1 Technician FS Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Well Box Meets Compliance Requirements *See Below	Water Bailed From Wellbox	Cap Replaced	Lock Replaced	Well Not Inspected (explain in notes)	New Deficiency Identified	Previously Identified Deficiency Persists	Notes
S-1	✓	✓							
S-2	✓	✓							
S-3	✓	✓							
S-4	✓	✓							
S-5	✓	NO TAG							
S-6	✓	✓							

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

otes:

SHELL SITE INSPECTION CHECKLIST

Client Shell Date 8/13/10

Site Address 2350 (2368) Harrison St. Oakland

Job Number 100813-BW2 Technician BW

Site Status _____ Branded Station Vacant Lot Other 7-11

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

Notes _____

PROJECT MANAGER ONLY

Checklist Reviewed _____ Initial/Date Notes

SHELL WELLHEAD REPAIR FORM
(FOR REPAIR TECHNICIAN)

Site Address 2350 (2360) Harrison St. Oakland Date 8/13/10

Job Number 100813-BW2 Technician BW Page 1 of 1

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