CONESTOGA-ROVERS & ASSOCIATES

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TRANSMITTAL

DATE: September 29, 2010

REFERENCE NO.: 060119

PROJECT NAME: 2350 (2368) Harrison Street, Oakland

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

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Environmental Health

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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**

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

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

Dear Mr. Wickham:

The attached document is provided for your review and comment. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

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

Sincerely,

Denis L. Brown
Project Manager

SUBSURFACE INVESTIGATION REPORT

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

SAP CODE	173318
INCIDENT NO.	97743969
AGENCY NO.	RO0000505

Prepared by:
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SEPTEMBER 29, 2010
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EXECUTIVE SUMMARY

- Six soil borings (B-5 through B-10) were drilled during this investigation 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 TPHd soil detection (370 mg/kg) in boring B-7 at 5 fbg exceeds the RWQCB ESLs for soil where groundwater is not a drinking water source.
- TPHg and TPHd are the only hydrocarbons detected in the grab groundwater samples, which exceed the RWQCB ESLs for groundwater where groundwater is not a drinking water source.
- CRA notes 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 O&G, 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 indicates 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.

1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) to document the subsurface investigation at this site. The purpose of the investigation was to further evaluate soil and groundwater conditions south of the site. CRA followed the scope of work and procedures presented in our November 11, 2009 *Survey of Potential Off-Site Sources and Subsurface Investigation Work Plan Addendum,* which was approved Alameda County Environmental Health's December 17, 2009 letter.

The subject property is a former Shell service station located on the southern corner of the Harrison Street and Bay Place intersection in Oakland, California (Figure 1). The former station, whose address was 2368 Harrison Street, layout included underground fuel storage tanks (USTs), a waste oil tank, three dispenser islands, and a station building (Figure 2). The site is currently occupied by a 7-Eleven Store, whose address is 2350 Harrison Street, and the area surrounding the station is predominantly a mix of commercial and residential use.

A summary of previous work performed at the site and additional background information is contained in Appendix A.

2.0 INVESTIGATION RESULTS

2.1 PERMITS

CRA obtained a drilling permit from Alameda County Public Works Agency and an excavation permit from the City of Oakland (Appendix B).

2.2 DRILLING DATES

June 25 and 29, 2010.

2.3 DRILLING COMPANY

Gregg Drilling & Testing, Inc.

2.4 CRA PERSONNEL

Geologist Erin Swan directed the drilling activities under the supervision of California Professional Geologist Peter Schaefer.

2.5 DRILLING METHODS

Geoprobe®.

2.6 NUMBER OF BORINGS

Six soil borings (B-5 through B-10) were drilled during this investigation.

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.

The boring specifications and soil types encountered are described on the boring logs contained in Appendix C. The boring locations are shown on Figure 2.

2.7 BORING DEPTHS

13 to 17 feet below grade (fbg).

2.8 GROUNDWATER DEPTHS

Groundwater was first encountered 4.5 to 17 fbg.

2.9 SOIL DISPOSAL

Soil and water-knife sludge generated during field activities were stored on site in 55-gallon drums, sampled, and profiled for disposal. Waste disposal confirmation documentation is pending and will be provided by CRA upon request.

3.0 FINDINGS

3.1 SOIL

The soil chemical analytical data are summarized in Tables 1 and 2, and oil and grease (O&G), total petroleum hydrocarbons as diesel (TPHd), and total petroleum hydrocarbons as gasoline (TPHg) analytical results are presented on Figure 2. Laboratory analytical reports are presented in Appendix D.

3.2 GRAB GROUNDWATER

The grab groundwater chemical analytical data are summarized in Table 3, and O&G, TPHd, and TPHg analytical results are presented on Figure 3. The laboratory analytical report is presented in Appendix D.

4.0 CONCLUSIONS

No TPHg, benzene, toluene, naphthalene, or fuel oxygenates were detected in soil samples collected during this investigation. Only the TPHd (370 milligrams per kilogram [mg/kg]) detection in soil boring B-7 at 5 fbg exceeds 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]

No benzene, toluene, ethylbenzene, and xylenes (BTEX), naphthalene, or fuel oxygenates were detected in grab groundwater samples collected during this investigation. TPHd detections in five of six samples (up to 8,900 micrograms per liter [µg/l]) and TPHg detections in three of six samples (up to 6,000 µg/l) exceed the ESLs. O&G (up to 31,700 µg/l) was also detected in four of six samples. The RWQCB guidance advises that "TPH ESLs must be used in conjunction with ESLs for related chemicals (e.g. BTEX, polynuclear aromatic hydrocarbons, oxidizers, etc.)." In this case, BTEX, naphthalene, and fuel oxygenates would be the appropriate related chemicals, and no BTEX, naphthalene, or fuel oxygenate concentrations were detected in shallow groundwater.

The concentrations of O&G, TPHd, and TPHg in grab groundwater samples collected along Harrison Street during this investigation and during the May 2009 investigation

---

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]

are considerably higher than concentrations detected in the on-site wells. CRA notes that O&G, TPHd, and TPHg concentrations increase with distance from the site and peak in soil boring HP-2 (Figures 4 through 6). This suggests that the site is not the source and that there is or was an off-site source.

The soil boring data from boring B-6 indicates 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.

5.0 RECOMMENDATIONS

Based on the results from this investigation and previous investigations, no additional groundwater monitoring wells or soil borings are warranted.

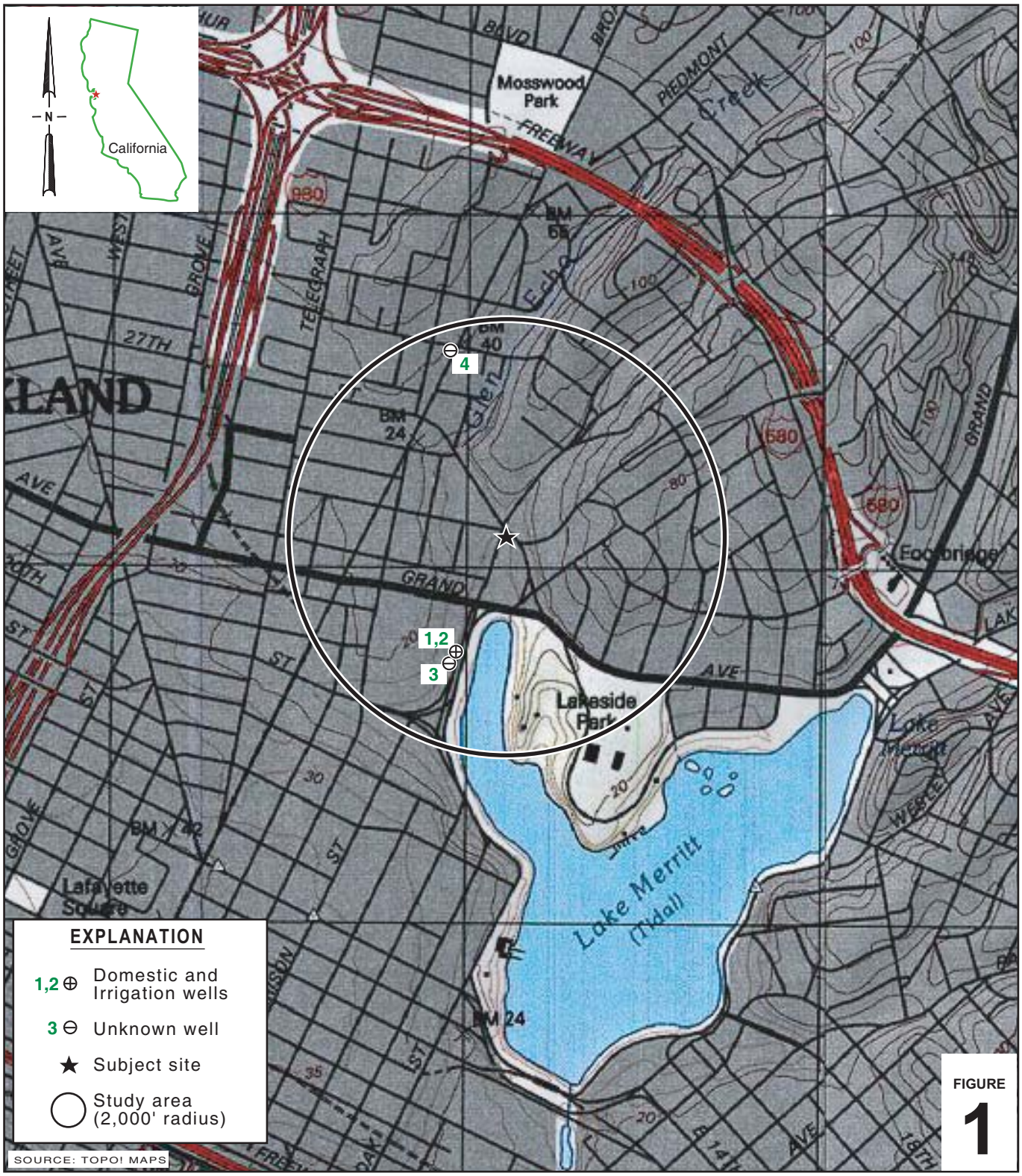
All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Peter Schaefer, CEG, CHG

Aubrey K. Cool, PG

FIGURES

10/31/08



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

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

FIGURE
1

Former Shell Service Station

2350 (2368) Harrison Street

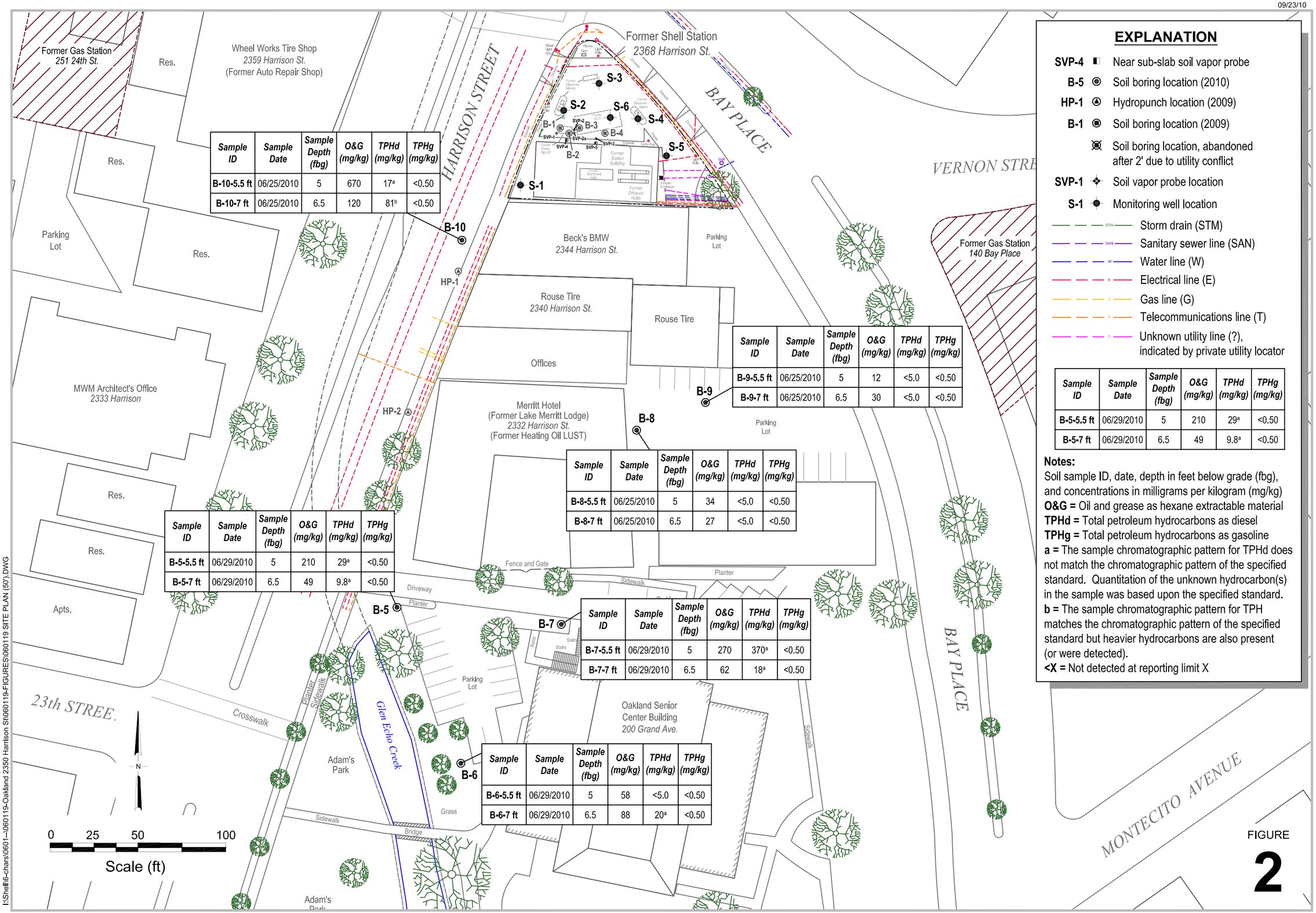
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

09/23/10

Soil Chemical Concentrations Map



Sample ID	Sample Date	Sample Depth (fbg)	O&G (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)
B-10-5.5 ft	06/25/2010	5	670	17[a]	<0.50
B-10-7 ft	06/25/2010	6.5	120	81[b]	<0.50

Sample ID	Sample Date	Sample Depth (fbg)	O&G (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)
B-9-5.5 ft	06/25/2010	5	12	<5.0	<0.50
B-9-7 ft	06/25/2010	6.5	30	<5.0	<0.50

Sample ID	Sample Date	Sample Depth (fbg)	O&G (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)
B-8-5.5 ft	06/25/2010	5	34	<5.0	<0.50
B-8-7 ft	06/25/2010	6.5	27	<5.0	<0.50

Sample ID	Sample Date	Sample Depth (fbg)	O&G (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)
B-5-5.5 ft	06/29/2010	5	210	29[a]	<0.50
B-5-7 ft	06/29/2010	6.5	49	9.8[a]	<0.50

Sample ID	Sample Date	Sample Depth (fbg)	O&G (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)
B-7-5.5 ft	06/29/2010	5	270	370[a]	<0.50
B-7-7 ft	06/29/2010	6.5	62	18[a]	<0.50

Sample ID	Sample Date	Sample Depth (fbg)	O&G (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)
B-6-5.5 ft	06/29/2010	5	58	<5.0	<0.50
B-6-7 ft	06/29/2010	6.5	88	20[a]	<0.50

EXPLANATION

- SVP-4 — Near sub-slab soil vapor probe
- B-5 — Soil boring location (2010)
- HP-1 — Hydropunch location (2009)
- B-1 — Soil boring location (2009)
- Soil boring location, abandoned after 2' due to utility conflict
- SVP-1 — Soil vapor probe location
- 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

Notes:

Soil sample ID, date, depth in feet below grade (fbg), and concentrations in milligrams per kilogram (mg/kg)

O&G = Oil and grease as hexane extractable material

TPHd = Total petroleum hydrocarbons as diesel

TPHg = Total petroleum hydrocarbons as gasoline

a = The sample chromatographic pattern for TPHd 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.

b = The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons are also present (or were detected).

<X = Not detected at reporting limit X

CONESTOGA-ROVERS & ASSOCIATES

Former Shell Service Station

2350 (2368) Harrison Street

Oakland, California

FIGURE

2

I:\Shell\6-chars\0601--\060119-Oakland 2350 Harrison St\060119-FIGURES\060119 SITE PLAN (50').DWG

09/23/10

Sample ID	Sample Date	O&G (µg/l)	TPHd (µg/l)	TPHg (µg/l)
B-10	06/25/2010	31,700	8,900^b	6,000

Sample ID	Sample Date	O&G (µg/l)	TPHd (µg/l)	TPHg (µg/l)
HP-1	05/20/2009	111,000	36,000	11,000

Sample ID	Sample Date	O&G (µg/l)	TPHd (µg/l)	TPHg (µg/l)
HP-2	05/20/2009	715,000	58,000	14,000

Sample ID	Sample Date	O&G (µg/l)	TPHd (µg/l)	TPHg (µg/l)
B-9	06/25/2010	1,900	250^a	1,300

Sample ID	Sample Date	O&G (µg/l)	TPHd (µg/l)	TPHg (µg/l)
B-8	06/25/2010	1,100	570	260

Sample ID	Sample Date	O&G (µg/l)	TPHd (µg/l)	TPHg (µg/l)
B-5	06/29/2010	<1,000	410^a	59

Sample ID	Sample Date	O&G (µg/l)	TPHd (µg/l)	TPHg (µg/l)
B-7	06/29/2010	<1,000	290	<50

Sample ID	Sample Date	O&G (µg/l)	TPHd (µg/l)	TPHg (µg/l)
B-6	06/29/2010	1,300	160^a	<50

EXPLANATION

SVP-4 ▮	Near sub-slab soil vapor probe
B-5 ◉	Soil boring location (2010)
HP-1 ◬	Hydropunch location (2009)
B-1 ◉	Soil boring location (2009)
☒	Soil boring location, abandoned after 2' due to utility conflict
SVP-1 ✦	Soil vapor probe location
S-1 ●	Monitoring well location
— — STM —	Storm drain (STM)
— — SAN —	Sanitary sewer line (SAN)
— — W —	Water line (W)
— — E —	Electrical line (E)
— — G —	Gas line (G)
— — T —	Telecommunications line (T)
— — ? —	Unknown utility line (?), indicated by private utility locator

Sample ID	Sample Date	O&G (µg/l)	TPHd (µg/l)	TPHg (µg/l)
B-5	06/29/2010	<1,000	410^a	59

Notes:
Grab groundwater sample ID, date, and concentrations in micrograms per liter (µg/l)
O&G = Oil and grease as hexane extractable material
TPHd = Total petroleum hydrocarbons as diesel
TPHg = Total petroleum hydrocarbons as gasoline
a = The sample chromatographic pattern for TPHd 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.
b = The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons are also present (or were detected).
<X = Not detected at reporting limit X

Historical Grab Groundwater Chemical Concentrations Map

CONESTOGA-ROVERS & ASSOCIATES

FIGURE
3

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

I:\Shell6-chars\0601--\060119-Oakland 2350 Harrison St\060119-FIGURES\060119 SITE PLAN (50').DWG

09/23/10

O&G in Groundwater
Isoconcentration Contour Map

EXPLANATION

- SVP-4 — Near sub-slab soil vapor probe
- B-5 — Soil boring location (2010)
- HP-1 — Hydropunch location (2009)
- B-1 — Soil boring location (2009)
- Soil boring location, abandoned after 2' due to utility conflict
- SVP-1 — Soil vapor probe location
- 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
- 1,000 — Oil and grease (O&G) isoconcentration contour, in micrograms per liter (µg/l);
- Well / O&G — Well designation; O&G concentrations are in µg/l

Notes:
<X = Not detected at reporting limit X

Former Gas Station
251 24th St.

Res.

Wheel Works Tire Shop
2359 Harrison St.
(Former Auto Repair Shop)

Former Shell Station
2368 Harrison St.

S-3 <1,000
S-6 1,000
S-2 1,900
S-4 1,200
S-5 <1,000
S-1 <1,000

HARRISON STREET

BAY PLACE

VERNON STRE

Former Gas Station
140 Bay Place

Parking Lot

Res.

Res.

Parking Lot

Beck's BMW
2344 Harrison St.

B-10 31,700
HP-1 111,000

Rouse Tire
2340 Harrison St.

Rouse Tire

Offices

MWM Architect's Office
2333 Harrison

HP-2 715,000

Merritt Hotel
(Former Lake Merritt Lodge)
2332 Harrison St.
(Former Heating Oil LUST)

B-9 1,900
B-8 1,100

Parking Lot

Apts.

St. Paul's Towers

Res.

Res.

Apts.

Fence and Gate

Sidewalk

Planter

Parking

Driveway

B-5 <1,000
B-7 <1,000

Sidewalk

Parking Lot

23th STREE

Crosswalk

Planter

Sidewalk

Glen Echo Creek

Oakland Senior Center Building
200 Grand Ave.

Sidewalk

BAY PLACE

Adam's Park

B-6 1,300

Grass

Sidewalk

Bridge

Adam's Park

MONTECITO AVENUE

N

0 25 50 100
Scale (ft)

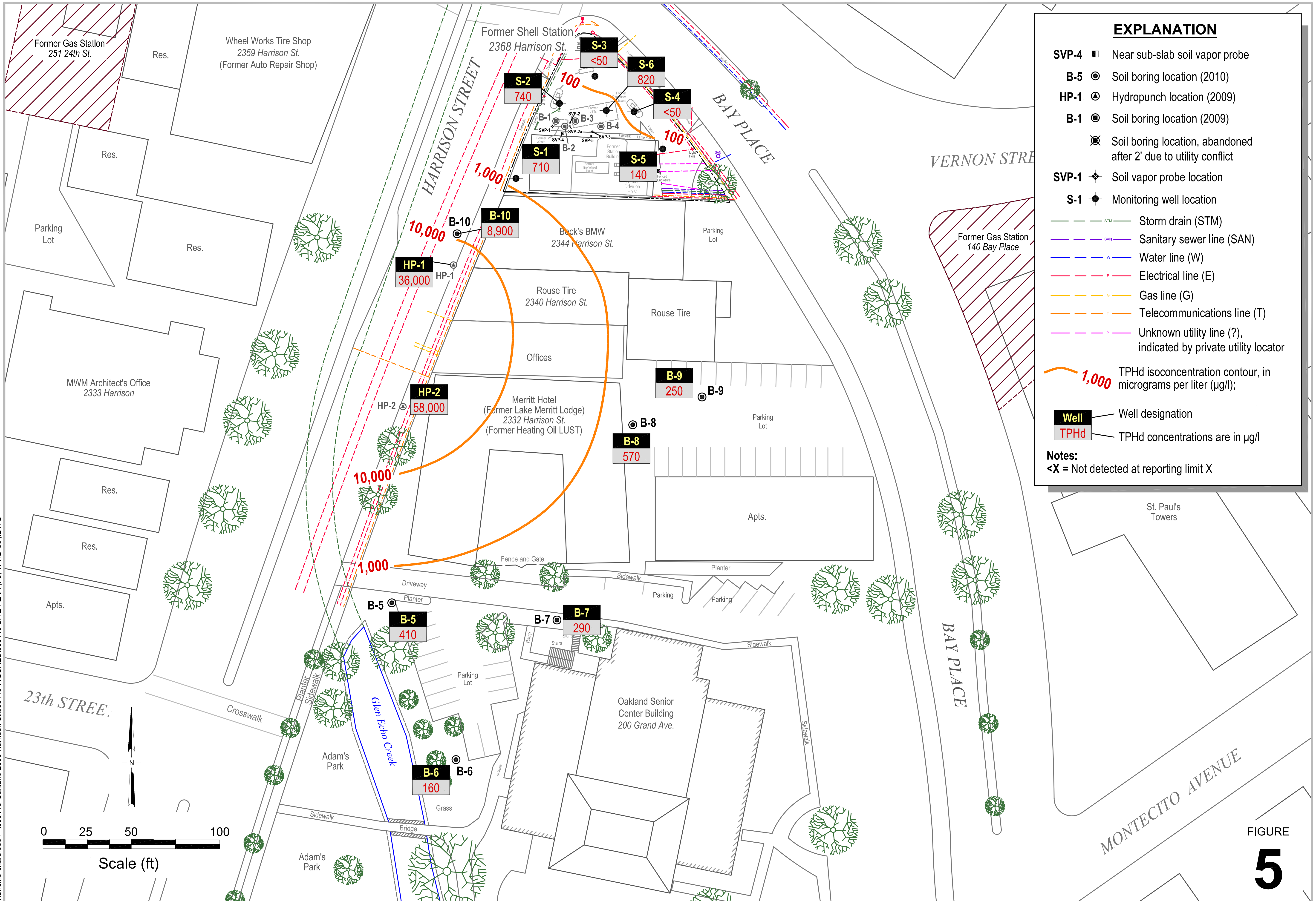
FIGURE
4

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

CONESTOGA-ROVERS & ASSOCIATES

I:\Shell\6-chars\0601-\060119-Oakland 2350 Harrison St\060119-F\GURES\060119 SITE PLAN (F4, O&G 50').DWG

09/23/10



Former Gas Station
251 24th St.
Res.
Wheel Works Tire Shop
2359 Harrison St.
(Former Auto Repair Shop)
Former Shell Station
2368 Harrison St.
HARRISON STREET
BAY PLACE
VERNON STREET
Parking Lot
MWM Architect's Office
2333 Harrison
Apts.
23th STREET
Crosswalk
Beck's BMW
2344 Harrison St.
Rouse Tire
2340 Harrison St.
Rouse Tire
Offices
Merritt Hotel
(Former Lake Merritt Lodge)
2332 Harrison St.
(Former Heating Oil LUST)
Fence and Gate
Driveway
Planter
Sidewalk
Parking
Parking Lot
Apts.
Oakland Senior Center Building
200 Grand Ave.
Adam's Park
Glen Echo Creek
Bridge
Grass
St. Paul's Towers
Former Gas Station
140 Bay Place
MONTECITO AVENUE
S-3 <50
S-6 820
S-2 740
S-4 <50
S-1 710
S-5 140
B-10 8,900
HP-1 36,000
HP-2 58,000
B-9 250
B-8 570
B-5 410
B-7 290
B-6 160
100
1,000
10,000
EXPLANATION
SVP-4 Near sub-slab soil vapor probe
B-5 Soil boring location (2010)
HP-1 Hydropunch location (2009)
B-1 Soil boring location (2009)
Soil boring location, abandoned after 2' due to utility conflict
SVP-1 Soil vapor probe location
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
1,000 TPHd isoconcentration contour, in micrograms per liter (μg/l);
Well TPHd
Well designation
TPHd concentrations are in μg/l
Notes:
<X = Not detected at reporting limit X
0 25 50 100
Scale (ft)
N
FIGURE 5

I:\Shell\6-chars\0601--\060119-Oakland 2350 Harrison St\060119-FIGURES\060119 SITE PLAN (F5, TPHD-50).DWG

TPHd in Groundwater Isoconcentration Contour Map

CONESTOGA-ROVERS & ASSOCIATES

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

09/22/10

TPHg in Groundwater
Isoconcentration Contour Map

EXPLANATION

- SVP-4 — Near sub-slab soil vapor probe
- B-5 — Soil boring location (2010)
- HP-1 — Hydropunch location (2009)
- B-1 — Soil boring location (2009)
- Soil boring location, abandoned after 2' due to utility conflict
- SVP-1 — Soil vapor probe location
- 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
- 1,000 — TPHg isoconcentration contour, in micrograms per liter (µg/l);
- Well: Well designation; TPHg: TPHg concentrations are in µg/l

Notes:
<X = Not detected at reporting limit X

Former Gas Station
251 24th St.

Wheel Works Tire Shop
2359 Harrison St.
(Former Auto Repair Shop)

Former Shell Station
2368 Harrison St.

S-3 <50
S-6 1,400
S-2 1,300
S-4 <50
S-5 77
S-1 1,600

HARRISON STREET
BAY PLACE
VERNON STRE

B-10 6,000
HP-1 11,000
Beck's BMW
2344 Harrison St.

Former Gas Station
140 Bay Place

Rouse Tire
2340 Harrison St.
Rouse Tire

Offices

HP-2 14,000
B-9 1,300
B-8 260
Merritt Hotel
(Former Lake Merritt Lodge)
2332 Harrison St.
(Former Heating Oil LUST)

MWM Architect's Office
2333 Harrison

Parking Lot
Res.
Apts.
St. Paul's Towers

Fence and Gate
Sidewalk
Planter
Parking
Driveway

B-5 59
B-7 <50
B-6 <50

Oakland Senior Center Building
200 Grand Ave.

Adam's Park
Glen Echo Creek
Crosswalk
Bridge
Grass

23th STREE
MONTECITO AVENUE

0 25 50 100
Scale (ft)

FIGURE
6

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

CONESTOGA-ROVERS & ASSOCIATES

I:\Shell\6-chars\0601-\060119-Oakland 2350 Harrison St\060119-FIGURES\060119 SITE PLAN (F6, TPHG-50').DWG

TABLES

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
FORMER SHELL SERVICE STATION
2350 (2368) HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*O&G*	*TPHd*	*TPHg*	*TPHmo*	*TPHms*	*TPHk*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*Oxygenates*	*1,2-DCA*	*EDB*	*Cd*	*Cr*	*Pb*	*Ni*	*Zn*	*PCBs*
#1	3/4/1993	UNK	10[c]	<10[d]	<10[d]	<100[d]	<10	<10	---	---	---	---	---	---	---	---	---	---	---	---	---
#2	3/4/1993	UNK	22[c]	<10[d]	220[d]	<100[d]	<10	<10	---	---	---	---	---	---	---	---	---	---	---	---	---
#3	3/4/1993	UNK	64[c]	<10[d]	110[d]	<100[d]	<10	<10	---	---	---	---	---	---	---	---	---	---	---	---	---
#4	3/4/1993	UNK	5,000[c]	<100[d]	620[d]	7,900[d]	<100	<100	---	---	---	---	---	---	---	---	---	---	---	---	---
S-1-5.5	6/5/2008	5.5	<10	21[a]	5.4	26	---	---	<0.0050	<0.0050	<0.0050	<0.0050	ND	<0.0050	<0.0050	---	---	---	---	---	---
S-1-7.5	6/5/2008	7.5	130	120[a]	860	99	---	---	<0.0050	<0.0050	<0.0050	0.0086	ND	<0.0050	<0.0050	---	---	---	---	---	---
S-2-5.5	6/5/2008	5.5	<10	13[a]	<0.50	<25	---	---	<0.0050	<0.0050	<0.0050	<0.0050	ND	<0.0050	<0.0050	<0.500	28.9	5.40	27.2	21.7	<0.050
S-2-7.0	6/5/2008	7	26	**270[a]**	**2,700**	<25	---	---	<0.50	<0.50	<0.50	<0.50	ND	<0.50	<0.50	<0.500	20.2	4.80	19.8	25.1	<0.050
S-2-10.0	6/5/2008	10	<10	150[a]	**1,900**	<25	---	---	<1.2	<1.2	<1.2	<1.2	ND	<1.2	<1.2	<0.500	33.0	10.8	51.5	38.6	<0.050
S-2-15.5	6/5/2008	15.5	22	14[a]	18	<25	---	---	<0.0050	<0.0050	0.0067	0.0063	ND	<0.0050	<0.0050	<0.500	28.2	5.98	30.1	25.7	<0.050
S-3-5	6/4/2008	5	<10	22[a]	5.9	<25	---	---	<0.0050	<0.0050	<0.0050	<0.0050	ND	<0.0050	<0.0050	---	---	---	---	---	---
S-3-10	6/4/2008	10	<10	11[a]	<0.50	<25	---	---	<0.0050	<0.0050	<0.0050	<0.0050	ND	<0.0050	<0.0050	---	---	---	---	---	---
S-4-5	6/4/2008	5	600	**630[a]**	6.8	660	---	---	0.012	<0.0050	<0.0050	0.012	ND	<0.0050	<0.0050	---	---	---	---	---	---
S-4-10	6/4/2008	10	28	41[a]	<0.50	54	---	---	<0.0050	<0.0050	<0.0050	<0.0050	ND	<0.0050	<0.0050	---	---	---	---	---	---
S-5-6.0	6/5/2008	6	8,600	**22,000[a]**	**2,300**	23,000	---	---	0.016	0.0063	0.0082	0.0485	ND	<0.0050	<0.0050	---	---	---	---	---	---
S-5-9.0	6/5/2008	9	<10	42[a]	<0.50	49	---	---	<0.0050	<0.0050	0.014	0.0094	ND	<0.0050	<0.0050	---	---	---	---	---	---
S-5-12.5	6/5/2008	12.5	<10	8.7[a]	<0.50	<25	---	---	<0.0050	<0.0050	<0.0050	<0.0050	ND	<0.0050	<0.0050	---	---	---	---	---	---
S-5-15.5	6/5/2008	15.5	<10	25[a]	<0.50	37	---	---	<0.0050	<0.0050	<0.0050	<0.0050	ND	<0.0050	<0.0050	---	---	---	---	---	---
S-6-6.0	6/5/2008	6	140	53 a	9.2	85	---	---	<0.0050	<0.0050	<0.0050	<0.0050	ND	<0.0050	<0.0050	---	---	---	---	---	---
S-6-7.5	6/5/2008	7.5	24	39 a	12	44	---	---	<0.0050	<0.0050	<0.0050	<0.0050	ND	<0.0050	<0.0050	---	---	---	---	---	---
B-1-5.5'	5/20/2009	5.5	3,000	**700[a]**	100	---	---	---	<0.50	<0.50	<0.50	<0.50	ND	<0.50	<0.50	---	---	---	---	---	---
B-1-7'	5/20/2009	7	290	**510[a]**	**230**	---	---	---	<10	<10	<10	<10	ND	<10	<10	---	---	---	---	---	---
B-1-10'	5/20/2009	10	<10	81[a]	170	---	---	---	<0.50	<0.50	<0.50	<0.50	ND	<0.50	<0.50	---	---	---	---	---	---
B-1-13'	5/20/2009	13	11	89[a]	160	---	---	---	<0.50	<0.50	<0.50	<0.50	ND	<0.50	<0.50	---	---	---	---	---	---
B-1-15'	5/20/2009	15	<10	100[a]	**180**	---	---	---	<0.50	<0.50	<0.50	<0.50	ND	<0.50	<0.50	---	---	---	---	---	---

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
FORMER SHELL SERVICE STATION
2350 (2368) HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	Date	Depth (fbg)	O&G	TPHd	TPHg	TPHmo	TPHms	TPHk	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Oxygenates	1,2-DCA	EDB	Cd	Cr	Pb	Ni	Zn	PCBs
B-2-5.5'	5/21/2009	5.5	40	<5.0	64	---	---	---	**1.5**	<0.50	<0.50	<0.50	ND	<0.50	<0.50	---	---	---	---	---	---
B-2-7'	5/21/2009	7	600	**190**[a]	2.8	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	ND	<0.0050	<0.0050	---	---	---	---	---	---
B-2-10'	5/21/2009	10	<10	39[a]	**870**	---	---	---	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<2.0	---	---	---	---	---	---
B-2-15'	5/21/2009	15	24	5.2[a]	**200**	---	---	---	<0.50	<0.50	<0.50	<0.50	ND	<0.50	<0.50	---	---	---	---	---	---
B-3-5.5'	5/21/2009	5.5	38	6.4[a]	56	---	---	---	**2.4**	<0.50	0.87	<0.50	ND	<0.50	<0.50	---	---	---	---	---	---
B-3-10'	5/21/2009	10	230	44[a]	**920**	---	---	---	<2.5	<2.5	<2.5	<2.5	ND	<2.5	<2.5	---	---	---	---	---	---
B-3-15'	5/21/2009	15	<10	<5.0	2.1	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	ND	<0.0050	<0.0050	---	---	---	---	---	---
B-4-5.5'	5/20/2009	5.5	190	**200**[a]	---	230	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-4-10'	5/20/2009	10	68	170[a]	---	140	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-4-15'	5/20/2009	15	<10	10	---	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B-5-5.5 ft	6/29/2010	5	210	29[a]	<0.50	---	---	---	<0.0050	<0.0050	0.0059	0.057	ND	---	---	---	---	---	---	---	---
B-5-7 ft	6/29/2010	6.5	49	9.8[a]	<0.50	---	---	---	<0.0050	<0.0050	<0.0050	0.0074	ND	---	---	---	---	---	---	---	---
B-6-5.5 ft	6/29/2010	5	58	<5.0	<0.50	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	ND	---	---	---	---	---	---	---	---
B-6-7 ft	6/29/2010	6.5	88	20[a]	<0.50	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	ND	---	---	---	---	---	---	---	---
B-7-5.5 ft	6/29/2010	5	270	**370**[a]	<0.50	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	ND	---	---	---	---	---	---	---	---
B-7-7 ft	6/29/2010	6.5	62	18[a]	<0.50	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	ND	---	---	---	---	---	---	---	---
B-8-5.5 ft	6/25/2010	5	34	<5.0	<0.50	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	ND	---	---	---	---	---	---	---	---
B-8-7 ft	6/25/2010	6.5	27	<5.0	<0.50	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	ND	---	---	---	---	---	---	---	---
B-9-5.5 ft	6/25/2010	5	12	<5.0	<0.50	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	ND	---	---	---	---	---	---	---	---
B-9-7 ft	6/25/2010	6.5	30	<5.0	<0.50	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	ND	---	---	---	---	---	---	---	---
B-10-5.5 ft	6/25/2010	5	670	17[a]	<0.50	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	ND	---	---	---	---	---	---	---	---
B-10-7 ft	6/25/2010	6.5	120	81[e]	<0.50	---	---	---	<0.0050	<0.0050	<0.0050	<0.0050	ND	---	---	---	---	---	---	---	---

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
FORMER SHELL SERVICE STATION
2350 (2368) HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*O&G*	*TPHd*	*TPHg*	*TPHmo*	*TPHms*	*TPHk*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*Oxygenates*	*1,2-DCA*	*EDB*	*Cd*	*Cr*	*Pb*	*Ni*	*Zn*	*PCBs*
Shallow Soil (≤10 fbg) ESL[b]:			NA	180	180	NA	NA	NA	0.27	9.3	4.7	11	Varies	0.48	0.044	7.4	NA	750	150	600	0.74
Deep Soil (>10 fbg) ESL[b]:			NA	180	180	NA	NA	NA	2.0	9.3	4.7	11	Varies	1.8	1.0	39	5,000	750	260	5,000	6.3

Notes:

All results in milligrams per kilogram (mg/kg) unless otherwise indicated.
fbg = Feet below grade
O&G = Oil and grease as hexane extractable material analyzed by EPA Method 1664 A (Modified) unless otherwise indicated.
TPHd = Total petroleum hydrocarbons as diesel analyzed by EPA Method 8015B unless otherwise indicated.
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B unless otherwise indicated.
TPHmo = Total petroleum hydrocarbons as motor oil analyzed by EPA Method 8015B Modified unless otherwise indicated.
TPHms = Total petroleum hydrocarbons as mineral spirits analyzed by gas chromatograph - flame ionization detector per Test Methods for Evaluating Solid Waste, SW-846, Revision O, United States Environmental Protection Agency, November 1986
TPHk = Total petroleum hydrocarbons as kerosene analyzed by gas chromatograph - flame ionization detector per Test Methods for Evaluating Solid Waste, SW-846, Revision O, United States Environmental Protection Agency, November 1986
Benzene, toluene, ethylbenzene, and xylenes analyzed by EPA Method 8260B.
Oxygenates = Methyl tertiary-butyl ether, di-isopropyl ether, ethyl tertiary-butyl ether, tertiary-amyl methyl ether, and tertiary-butanol analyzed by EPA Method 8260B
1,2-DCA = 1,2-Dichloroethane analyzed by EPA Method 8260B
EDB = 1,2-Dibromoethane analyzed by EPA Method 8260B
Cd = Cadmium analyzed by EPA Method 6010B
Cr = Chromium (total) analyzed by EPA Method 6010B
Pb = Lead analyzed by EPA Method 6010B
Ni = Nickel analyzed by EPA Method 6010B
Zn = Zinc analyzed by EPA Method 6010B
PCBs = Polychlorinated biphenyls analyzed by EPA Method 8082; see laboratory analytical report for a complete list of specific constituents
UNK = Unknown
<x = Not detected at reporting limit x
--- = Not analyzed
ND = Not detected; see laboratory analytical report for constituent-specific reporting limits
ESL = Environmental screening level
NA = No applicable environmental screening level

a = 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 on the specified standard.

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
FORMER SHELL SERVICE STATION
2350 (2368) HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*O&G*	*TPHd*	*TPHg*	*TPHmo*	*TPHms*	*TPHk*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*Oxygenates*	*1,2-DCA*	*EDB*	*Cd*	*Cr*	*Pb*	*Ni*	*Zn*	*PCBs*

b = San Francisco Bay Regional Water Quality Control Board (RWQCB) commercial land use ESL for soil where groundwater is not a current or potential source of drinking water (Tables B and D of *Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater* California Regional Water Quality Control Board, Interim Final - November 2007 [Revised May 2008]).

c = O&G analyzed by EPA Method 3550 (modified)/EPA Method 413.2

d = Analyzed by gas chromatograph - flame ionization detector per Test Methods for Evaluating Solid Waste, SW-846, Revision O, United States Environmental Protection Agency, November 1986.

e = The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons are also present (or were detected).

Data in **BOLD** equals or exceeds applicable RWQCB ESL.

TABLE 2

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

Sample ID	*Date*	*Depth (fbg)*	*Acetone*	*n-Butyl-benzene*	*sec-Butyl-benzene*	*1,2-Dichloro-propane*	*Isopropyl-benzene*	*n-Propyl-benzene*	*1,1,2,2-Tetra-chloroethane*	*Naphthalene*	*1-Methyl-naphthalene*	*2-Methyl-naphthalene*
S-2-5.5	6/5/2008	5.5	<0.12	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.020	<0.020	<0.020
S-2-7.0	6/5/2008	7.0	<12	2.7	2.3	<0.50	2.9	1.2	**18**	<0.020	1.4	0.036
S-2-10.0	6/5/2008	10.0	<31	2.5	1.9	<1.2	2.4	3.4	**13**	<0.020	0.048	0.063
S-2-15.5	6/5/2008	15.5	0.13	0.044	0.032	0.026	0.039	0.041	0.22	0.20[a]	0.15	0.17
B-1-5.5'	5/20/2009	5.5	<12	<0.50	<0.50	<0.50	<0.50	0.68	<0.50	<5.0	---	---
B-1-7'	5/20/2009	7	<250	<10	<10	<10	<10	<10	<10	<100	---	---
B-1-10'	5/20/2009	10	<12	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	---	---
B-1-13'	5/20/2009	13	<12	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	---	---
B-1-15'	5/20/2009	15	<12	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	---	---
B-2-5.5'	5/21/2009	5.5	<12	<0.50	<0.50	<0.50	<0.50	0.57	<0.50	<5.0	---	---
B-2-7'	5/21/2009	7	<0.12	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
B-2-10'	5/21/2009	10	<50	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<20	---	---
B-2-15'	5/21/2009	15	<12	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	---	---
B-3-5.5'	5/21/2009	5.5	<12	<0.50	<0.50	<0.50	<0.50	0.75	<0.50	<5.0	---	---
B-3-10'	5/21/2009	10	<62	<2.5	<2.5	<2.5	<2.5	2.5	<2.5	<25	---	---
B-3-15'	5/21/2009	15	<0.12	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
B-5-5.5 ft	6/29/2010	5	---	---	---	---	---	---	---	<0.050[c]	---	---
B-5-7 ft	6/29/2010	6.5	---	---	---	---	---	---	---	<0.050[c]	---	---
B-6-5.5 ft	6/29/2010	5	---	---	---	---	---	---	---	<0.050[c]	---	---

TABLE 2

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

Sample ID	*Date*	*Depth (fbg)*	*Acetone*	*n-Butyl-benzene*	*sec-Butyl-benzene*	*1,2-Dichloro-propane*	*Isopropyl-benzene*	*n-Propyl-benzene*	*1,1,2,2-Tetra-chloroethane*	*Naphthalene*	*1-Methyl-naphthalene*	*2-Methyl-naphthalene*
B-6-7 ft	6/29/2010	6.5	---	---	---	---	---	---	---	<0.050[c]	---	---
B-7-5.5 ft	6/29/2010	5	---	---	---	---	---	---	---	<0.050[c]	---	---
B-7-7 ft	6/29/2010	6.5	---	---	---	---	---	---	---	<0.050[c]	---	---
B-8-5.5 ft	6/25/2010	5	---	---	---	---	---	---	---	<0.050[c]	---	---
B-8-7 ft	6/25/2010	6.5	---	---	---	---	---	---	---	<0.050[c]	---	---
B-9-5.5 ft	6/25/2010	5	---	---	---	---	---	---	---	<0.050[c]	---	---
B-9-7 ft	6/25/2010	6.5	---	---	---	---	---	---	---	<0.050[c]	---	---
B-10-5.5 ft	6/25/2010	5	---	---	---	---	---	---	---	<0.050[c]	---	---
B-10-7 ft	6/25/2010	6.5	---	---	---	---	---	---	---	<0.050[c]	---	---
Shallow Soil (≤10 fbg) ESL[b]:			0.5	NA	NA	1.0	NA	NA	0.6	2.8	NA	0.25
Deep Soil (>10 fbg) ESL[b]:			0.5	NA	NA	2.5	NA	NA	16	4.8	NA	0.25

Notes:

All results in miligrams per kilogram (mg/kg) unless otherwise indicated.
VOCs = Volatile organic compounds analyzed by EPA Method 8260B. All detected constiuents tablulated; see laboratory analytical report for a complete list of specific constituents and results
PAHs = Polynuclear aromatic hydrocarbons analyzed by EPA Method 8270C. All detected constiuents tablulated; see laboratory analytical report for a complete list of specific constituents and results.
fbg = Feet below grade
<x = Not detected at reporting limit x

TABLE 2

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

Sample ID	*Date*	*Depth (fbg)*	*Acetone*	*n-Butyl-benzene*	*sec-Butyl-benzene*	*1,2-Dichloro-propane*	*Isopropyl-benzene*	*n-Propyl-benzene*	*1,1,2,2-Tetra-chloroethane*	*Naphthalene*	*1-Methyl-naphthalene*	*2-Methyl-naphthalene*

--- = Not analyzed
ESL = Environmenal screening level
NA = No applicable environmental screening level

a = When analyzed by EPA Method 8260B, naphthalene was detected in this sample at 0.079 mg/kg.
b = San Francisco Bay Regional Water Quality Control Board (RWQCB) commerical land use ESL for soil where groundwater is not a current or potential source of drinking water (Tables B and D of *Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater*, California Regional Water Quality Control Board, Interim Final - November 2007 [Revised May 2008]).
c = Naphthalene analyzed by EPA Method 8260B.

Data in **BOLD** equals or exceeds applicable RWQCB ESL.

TABLE 3

HISTORICAL GRAB GROUNDWATER ANALYTICAL DATA
FORMER SHELL SERVICE STATION
2350 (2368) HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	*Date*	*O&G*	*TPHg*	*TPHd*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*Naphthalene*
HP-1	5/20/2009	111,000	**11,000**	**36,000**	<5.0	<10	<10	<10	<10	<100	<20	<20	<20	---
HP-2	5/20/2009	715,000	**14,000**	**58,000**	<5.0	<10	<10	<10	<10	<100	<20	<20	<20	---
B-5	6/29/2010	<1,000	59	**410**[a]	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	<10
B-6	6/29/2010	1,300	<50	160[a]	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	<10
B-7	6/29/2010	<1,000	<50	**290**	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	<10
B-8	6/25/2010	1,100	**260**	**570**	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	<10
B-9	6/25/2010	1,900	**1,300**	**250**[a]	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	<10
B-10	6/25/2010	31,700	**6,000**	**8,900**[c]	<2.5	<5.0	<5.0	<5.0	<5.0	<50	<10	<10	<10	<50
ESL [b]:		NA	210	210	46	130	43	100	1,800	18,000	NA	NA	NA	17

Notes:

All results in micrograms per liter (µg/l) unless otherwise indicated.
O&G = Oil and grease as hexane extractable material analyzed by EPA Method 1664 A (Modified)
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B
TPHd = Total petroleum hydrocarbons as diesel analyzed by EPA Method 8015B
Benzene, toluene, ethylbenzene, and xylenes analyzed by EPA Method 8260B
MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B
TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B

TABLE 3

HISTORICAL GRAB GROUNDWATER ANALYTICAL DATA
FORMER SHELL SERVICE STATION
2350 (2368) HARRISON STREET, OAKLAND, CALIFORNIA

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
Naphthalene analyzed by EPA Method 8260B
<x = Not detected at reporting limit x
--- = Not analyzed
ESL = Environmental screening level
NA = No applicable ESL

a = 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 on the specified standard.
b = San Francisco Bay Regional Water Quality Control Board (RWQCB) commercial land use ESL for groundwater where groundwater is not a current or potential source of drinking water (Tables B and D of *Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater*, California Regional Water Quality Control Board, Interim Final - November 2007 [Revised May 2008]).
c = The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons are also present (or were detected).

Data in **BOLD** equals or exceeds applicable RWQCB ESL

APPENDIX A

SITE HISTORY

SITE HISTORY

1977 Underground Storage Tank (UST) Removal: According to Alameda County Environmental Health (ACEH), in March 1977, Shell Oil Products US (Shell) obtained a permit to remove four USTs with volumes of 10,000 gallons, 8,000 gallons, 5,000 gallons, and 550 gallons when they sold the property to Mr. Richard Burge. In a March 16, 2007 letter to Shell, ACEH stated that no documentation of the UST removal was available.

1992 Construction Activities: In November 1992, samples collected during light pole installation contained 3,200 milligrams per kilogram (mg/kg) lube oil and 89 mg/kg total petroleum hydrocarbons as gasoline (TPHg). Laboratory reports and a site plan are presented in GTEL Environmental Laboratories, Inc.'s (GTEL's) December 15, 1992 letter to Groundwater Technologies, Inc.

1993 Soil Borings: In March 1993, samples from four soil borings contained concentrations of up to 7,900 mg/kg lube oil and 620 mg/kg TPHg. Laboratory reports are presented in GTEL's March 24, 1993 letter to Groundwater Technologies, Inc.

2008 Monitoring Well Installation: In June 2008, Conestoga-Rovers & Associates (CRA) installed six monitoring wells (S-1 through S-6) to evaluate the extent of soil and groundwater impacts at the site. Soil analytical data indicated that TPHg and total petroleum hydrocarbons as diesel (TPHd) concentrations exceeded San Francisco Bay Regional Water Quality Control Board (RWQCB) environmental screening levels (ESLs) for shallow soil in borings S-1, S-2, S-4, and S-5. The TPHd chromatographic patterns did not match the diesel standard, and may represent motor oil or hydraulic oil. CRA's July 9, 2008 *Subsurface Investigation Report* documents these activities.

2009 Subsurface Investigation: In May 2009, CRA drilled two hydropunch borings (HP-1 and HP-2), drilled three soil borings in the area of the former waste oil tank (B-1, B-2, and B-3), drilled one soil boring in the area adjacent to the former hydraulic lifts (B-4), and installed three soil vapor probes (SVP-1 through SVP-3). No ethylbenzene, toluene, xylenes, fuel oxygenates, or lead scavengers were detected in soil samples collected during this investigation. Only the TPHg (up to 920 mg/kg), TPHd (up to 700 mg/kg), and benzene (up to 2.4 mg/kg) detections exceeded the ESLs. No benzene, toluene, ethylbenzene, xylenes (BTEX), or fuel oxygenates were detected in grab groundwater samples collected from the off-site soil borings. Only TPHg (up to 14,000 micrograms per liter [µg/l]) and TPHd (up to 58,000 µg/l) exceeded the ESLs in the two samples. Oil and grease (O&G; up to 715,000 µg/l) was also detected in both samples. The concentrations of TPHg, TPHd, and O&G in the grab groundwater samples are considerably higher than concentrations detected in the on-site wells. CRA

noted that hydrocarbon concentrations in the borings increase with distance from the site. This suggests that the site is not the source and that there is or was an off-site source. All soil vapor sample concentrations for toluene, xylenes, and other volatile organic compounds (VOCs) are below ESLs. Benzene concentrations in soil vapor samples from probes SVP-1 through SVP-3 and ethylbenzene detections in probes SVP-1 and SVP-2 exceeded the ESLs. CRA's June 26, 2009 *Subsurface Investigation Report* presents details of this investigation.

2010 Soil Vapor Investigation: In February 2010, CRA installed one soil vapor probe (SVP-2a) and two near sub-slab vapor probes (SVP-4 and SVP-5) and in March 2010, CRA conducted soil vapor sampling from soil vapor probes SVP-2 through SVP-5. Soil vapor probes SVP-2 and SVP-3 contained concentrations of TPHg and benzene that exceeded the commercial ESLs. Probe SVP-2 also contained a concentration of xylenes which exceeded the commercial ESL. No TPHg or BTEX were detected in near sub-slab soil vapor samples. No VOCs were detected in near sub-slab vapor with the exception of acetone and chloroform, which were both below commercial ESLs. CRA's April 22, 2010 *Soil Vapor Probe Installation and Sampling Report* provides details of this investigation.

Groundwater Monitoring: Groundwater monitoring was initiated during the second quarter of 2008. Groundwater gradient and flow direction have been variable. Second quarter 2010 groundwater samples from the wells contained up to 1,600 µg/l TPHg, 820 µg/l TPHd, 180 µg/l benzene, 34 µg/l ethylbenzene, 5.6 µg/l toluene, 2.9 µg/l xylenes, 150 µg/l tertiary-butyl alcohol, 25 µg/l diisopropyl ether, 2.6 µg/l n-butylbenzene, 4.2 µg/l sec-butylbenzene, 1.0 µg/l chlorobenzene, 11 µg/l isopropylbenzene, and 6.5 µg/l n-propylbenzene. Since the initiation of quarterly groundwater monitoring, no lead scavengers or methyl tertiary-butyl ether have been detected in any of the groundwater samples. TPHg, TPHd, and benzene concentrations exceed the ESLs for sites where groundwater is not a current or potential source of drinking water.

APPENDIX B

PERMITS

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 02/17/2010 By jamesy

Permit Numbers: W2010-0093 to W2010-0094
Permits Valid from 06/02/2010 to 06/30/2010

Application Id: 1265764573268
City of Project Site: Alameda
Site Location: 2350 (2368) Harrison Street
Oakland, CA
Project Start Date: 02/24/2010
Completion Date: 06/01/2010
Assigned Inspector: Contact Vicky Hamlin at (510) 670-5443 or vickyh@acpwa.org
Extension Start Date: 06/02/2010
Extension End Date: 06/30/2010
Extension Count: 1
Extended By: vickyh1

Applicant: Conestoga Rovers & Associates - Erin Swan
5900 Hollis St Suite A, Emeryville, CA 94608
Phone: 510-420-3372

Property Owner: Richard Burge
490 Grand Ave, Suite 200, Oakland, CA 94608
Phone: 510-452-1433

Client: Shell Shell Oil Products US
20945 S. Wilmington Ave, Carson, CA 90810
Phone: 707-865-0074

Contact: Erin Swan
Phone: --
Cell: 510-385-0074

Total Due: $530.00
Receipt Number: WR2010-0044 **Total Amount Paid:** $530.00
Payer Name : Conestoga Rovers & Paid By: CHECK **PAID IN FULL**
Associates

Works Requesting Permits:

Well Construction-Vapor monitoring well-Vapor monitoring well - 1 Wells
Driller: Gregg Drilling & Testing - Lic #: 485165 - Method: other **Work Total: $265.00**

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2010-0093	02/17/2010	05/25/2010	SVP-2a	3.00 in.	0.25 in.	1.50 ft	1.75 ft

Specific Work Permit Conditions

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

2. Compliance with the above well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate state reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days, including permit number and site map.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters

generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

5. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

6. No changes in construction procedures or well type shall change, as described on this permit application. This permit may be voided if it contains incorrect information.

7. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

8. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

9. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.

10. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

11. Vapor monitoring wells above water level constructed with tubing maybe be backfilled with pancake-batter consistency bentonite. Minimum surface seal thickness is two inches of cement grout around well box.

Vapor monitoring wells above water level constructed with pvc pipe shall have a minimum seal depth (Neat Cement Seal) of 2 feet below ground surface (BGS). Minimum surface seal thickness is two inches of cement grout around well box. All other conditions for monitoring well construction shall apply.

Borehole(s) for Geo Probes-Sampling 24 to 72 hours only - 9 Boreholes
Driller: Gregg Drilling & Testing - Lic #: 485165 - Method: other **Work Total: $265.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2010-0094	02/17/2010	05/25/2010	9	2.50 in.	15.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

5. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

6. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

7. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

8. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

CITY OF OAKLAND • Community and Economic Development Agency
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • Fax (510) 238-2263

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Appl# X1000448 Job Site 2332 HARRISON ST Parcel# 010 0768-005-00

Descr permit to do soil borings no excavation without a or c42 Filed 03/29/10
lic

Work Type EXCAVATION-PRIVATE P

USA # Util Co. Job # Acctg#
Util Fund #

	Applcnt	Phone#	Lic#	License Classes
Owner	MULUGETA BENYAM & PAULA R	(650)328-7178		
Contractor	GREGG DRILLING & TESTING, INC	X (925)313-5800	485165	C57
Arch/Engr				
Agent				

Applic Addr 950 HOWE RD, MARTINEZ, CA, 94553

$433.18 TOTAL FEES PAID AT ISSUANCE
$68.50 Applic $309.00 Permit
$.00 Process $35.86 Rec Mgmt
$.00 Gen Plan $.00 Investg
$.00 Other $19.82 Tech Enh

Permit Issued By JOB SITE Date: 3/29/10

Finaled By Date:

CITY OF OAKLAND

FINAL 3/29/10

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Permit No. X1000448 Parcel #: 010-0768-005-00
Project Address: 2332 HARRISON ST

Licensed Contractors' Declaration
I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Construction Lending Agency Declaration
I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued, as provided by Section 3097 of the Business and Professions Code. N/A under Lender implies No Lending Agency.

Lender _____ Address _____

Workers' Compensation Declaration
I hereby affirm under penalty of perjury one of the following declarations:

[ ] I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

[ ] I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

CARRIER _____ POLICY NO. _____

[ ] I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS, IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

Hazardous Materials Declaration
I hereby affirm that the intended occupancy WILL [ ] WILL NOT use, handle or store any hazardous or acutely hazardous materials. (Checking "WILL" acknowledges that Sections 25505, 25533, and 25534 of the Health & Safety Code, as well as filing instructions, were made available to you.)

I HEREBY CERTIFY THE FOLLOWING: That I have read this document, that the above information is correct, and that I have truthfully affirmed all applicable declarations contained in this document. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes. I am duly authorized by the owner and/or from the owner authorized by this permit.

PRINT NAME _____ Signature [ ] Contractor, or [ ] Agent _____ Date

ADDRESS

DIST.

CITY OF OAKLAND

City of Oakland
Office of Planning and Building

EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERING

Permit valid for 90 days from date of issuance.

PERMIT NUMBER X000448	SITE ADDRESS/LOCATION * 2332 HARRISON St
APPROX. START DATE / APPROX. END DATE	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number)
CONTRACTOR'S LICENSE # AND CLASS 408165	CITY BUSINESS TAX #

ATTENTION:

1- State law requires that the contractor/owner call Underground Service Alert (USA) two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 1-800-642-2444. Underground Service Alert (USA) # ______

2- **48 hours prior to starting work, you MUST CALL (510) 238-3651 to schedule an inspection.**

3- **48 hours prior to re-paving, a compaction certificate is required (waived for approved slurry backfill).**

OWNER/BUILDER

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than $500):

☐ I, as an owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption on this subdivision on more than two structures more than once during any three-year period. (Sec. 7044 Business and Professions Code).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project. (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License law).

☐ I am exempt under Sec. ______, B&PC for this reason ______

WORKER'S COMPENSATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code).

Policy # ______ Company Name ______

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California (not required for work valued at one hundred dollars ($100) or less).

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Title 12 Chapter 12.12 of the Oakland Municipal Code. It is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This permit is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements, and that the above information is true and correct under penalty of law.

Signature of Permittee ☐ Agent for ☐ Contractor ☐ Owner Date

DATE STREET LAST RESURFACED	SPECIAL PAVING DETAIL REQUIRED? ☐ YES ☐ NO	HOLIDAY RESTRICTION? (NOV 1 - JAN 1) ☐ YES ☐ NO	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM) ☐ YES ☐ NO
ISSUED BY		DATE ISSUED 3-29-10	

APPENDIX C

BORING LOGS

Boring/Well Log Legend

KEY TO SYMBOLS/ABBREVIATIONS

- First encountered groundwater
- Static groundwater
- Soils logged by hand-auger or air-knife cuttings
- Soils logged by drill cuttings or disturbed sample
- Undisturbed soil sample interval
- Soil sample retained for submittal to analytical laboratory
- No recovery within interval
- Hydropunch or vapor sample screen interval

PID = Photo-ionization detector or organic vapor meter reading in parts per million (ppm)

fbg = Feet below grade

Blow Counts = Number of blows required to drive a California-modified split-spoon sampler using a 140-pound hammer falling freely 30 inches, recorded per 6-inch interval of a total 18-inch sample interval

(10YR 4/4) = Soil color according to Munsell Soil Color Charts

msl = Mean sea level

Soils logged according to the USCS.

UNIFIED SOILS CLASSIFICATION SYSTEM (USCS) SUMMARY

Major Divisions			Graphic	Group Symbol	Typical Description
Coarse-Grained Soils (>50% Sands and/or Gravels)	Gravel and Gravelly Soils	Clean Gravels (≤5% fines)		GW	Well-graded gravels, gravel-sand mixtures, little or no fines
				GP	Poorly-graded gravels, gravel-sand mixtures, little or no fines
		Gravels with Fines (≥15% fines)		GM	Silty gravels, gravel-sand-silt mixtures
				GC	Clayey gravels, gravel-sand-clay mixtures
	Sand and Sandy Soils	Clean Sands (≤5% fines)		SW	Well-graded sands, gravelly sands, little or no fines
				SP	Poorly-graded sands, gravelly sand, little or no fines
		Sands with Fines (≥15% fines)		SM	Silty sands, sand-silt mixtures
				SC	Clayey sands, sand-clay mixtures
Fine-Grained Soils (>50% Silts and/or Clays)	Silts and Clays			ML	Inorganic silts, very fine sands, silty or clayey fine sands, clayey silts with slight plasticity
				CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
				OL	Organic silts and organic silty clays of low plasticity
	Silts and Clays			MH	Inorganic silts, micaceous or diatomaceous fine sand or silty soils
				CH	Inorganic clays of high plasticity
				OH	Organic clays of medium to high plasticity, organic silts
Highly Organic Soils				PT	Peat, humus, swamp soils with high organic contents

M:\Templates & Forms\Boring Logs\Boring Log Legend

CONESTOGA-ROVERS & ASSOCIATES

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-5
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	28-Jun-10
LOCATION	2350 (2368) Harrison Street, Oakland, CA	**DRILLING COMPLETED**	29-Jun-10
PROJECT NUMBER	060119	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling, C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	13-15 fbg
LOGGED BY	E. Swan	**DEPTH TO WATER (First Encountered)**	10 fbg (28-Jun-10) ▽
REVIEWED BY	P. Schaefer	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Air knifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							GRASS	0.2	
					ML		**SILT with Sand (ML)** ; dark brown (10YR 3/3); dry; 5% clay, 70% silt, 25% fine grained sand; low plasticity.		
2		B-5-5 .5 ft		5					
0		B-5-7 ft						7.5	Portland Type I/II
					SM		**Silty SAND (SM)** ; greenish black (10Y 2.5/1); moist; 20% silt, 80% fine grained sand; non-plastic.		
				10				10.0 ▽	
					CL		**Sandy CLAY (CL)** ; greenish black (10Y 2.5/1) ; wet; 70% clay, 30% fine to medium grained sand; low to medium plasticity.		
							@ 12.5' - **CLAY with Sand (CL)** ; 75% clay, 25% sand; medium plasticity.		
							@ 13.5' - 85% clay, 15% sand.		
				15				15.0	Bottom of Boring @ 15 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\0601--\060119~1\064AE2~1\060119-GINT.GPJ DEFAULT.GDT 9/22/10

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-6
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	28-Jun-10
LOCATION	2350 (2368) Harrison Street, Oakland, CA	**DRILLING COMPLETED**	29-Jun-10
PROJECT NUMBER	060119	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling, C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	13-15 fbg
LOGGED BY	E. Swan	**DEPTH TO WATER (First Encountered)**	13 fbg (28-Jun-10) ▽
REVIEWED BY	P. Schaefer	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Air knifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							GRASS	0.2	
					ML		**SILT (ML)** ; very dark grayish brown (2.5Y 3/2); moist; 30% clay, 60% silt, 10% fine grained sand; medium plasticity.		
0		B-6-5 .5 ft		5					
0		B-6-7 ft			CL		**CLAY (CL)** ; very dark gray (2.5Y 3/1); moist; 60% clay, 30% silt, 10% fine grained sand; medium plasticity.	6.0	Portland Type I/II
0				10					
0					SM		**Silty SAND (SM)** ; very dark gray (2.5Y 3/1); moist; 40% silt, 60% fine grained sand; non-plastic.	11.0	
							@ 13' - wet. ▽		
				15				15.0	Bottom of Boring @ 15 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\0601--\060119~1\064AE2~1\060119-GINT.GPJ DEFAULT.GDT 9/23/10

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-7
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	28-Jun-10
LOCATION	2350 (2368) Harrison Street, Oakland, CA	**DRILLING COMPLETED**	29-Jun-10
PROJECT NUMBER	060119	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling, C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	12-15 fbg
LOGGED BY	E. Swan	**DEPTH TO WATER (First Encountered)**	10 fbg (28-Jun-10) ▽
REVIEWED BY	P. Schaefer	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Air knifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.4	
					ML		**SILT with Sand (ML)** ; brown (10YR 5/3); dry; 5% clay, 80% silt, 15% fine grained sand; low plasticity.	4.0	
0		B-7-5 .5 ft		5	CL		**CLAY (CL)** ; very dark gray (2.5Y 3/1); moist; 75% clay, 25% silt; high plasticity.	6.0	
0		B-7-7 ft			SM		**Silty SAND (SM)** ; very dark gray (2.5Y 3/1); 15% silt, 85% fine to medium grained sand; non-plastic.	8.0	Portland Type I/II
					CL		**CLAY (CL)** ; very dark gray (2.5Y 3/1); moist; 75% clay, 25% silt; high plasticity. ▽	10.0	
0				10	SM		**Silty SAND (SM)** ; very dark gray (2.5Y 3/1); wet; 20% silt, 80% fine to medium grained sand; non-plastic.		
0								15.0	Bottom of Boring @ 15 fbg
				15					

WELL LOG (PID) I:\SHELL\6-CHARS\0601--\060119~1\064AE2~1\060119-GINT.GPJ .DEFAULT.GDT 9/22/10

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-8
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	24-Jun-10
LOCATION	2350 (2368) Harrison Street, Oakland, CA	**DRILLING COMPLETED**	25-Jun-10
PROJECT NUMBER	060119	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling, C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	13-15 fbg
LOGGED BY	E. Swan	**DEPTH TO WATER (First Encountered)**	13 fbg (24-Jun-10)
REVIEWED BY	P. Schaefer	**DEPTH TO WATER (Static)**	NA
REMARKS	Air knifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.6	
0		B-8-5 .5 ft		5			**FILL MATERIAL/ SILT with Sand (ML)** ; with bricks, rocks; dark yellowish brown (10YR 4/6); moist; 30% clay, 50% silt, 20% fine to medium grained sand; medium plasticity.	6.5	
7		B-8-7 ft			SM		**Silty SAND (SM)** ; dark gray (N 4/) ; moist; 40% silt, 60% fine grained sand; non-plastic.		Portland Type I/II
				10			@ 13' - wet. ▽		
				15				15.0	Bottom of Boring @ 15 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\0601-\060119-11064AE2~1\060119-GINT.GPJ DEFAULT.GDT 9/22/10

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-9
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	24-Jun-10
LOCATION	2350 (2368) Harrison Street, Oakland, CA	**DRILLING COMPLETED**	25-Jun-10
PROJECT NUMBER	060119	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling, C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	15-17 fbg
LOGGED BY	E. Swan	**DEPTH TO WATER (First Encountered)**	17 fbg ▽
REVIEWED BY	P. Schaefer	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Air knifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.6	
					GW		**FILL MATERIAL: GRAVEL (GW)** ; dark yellowish brown (10YR 4/6); moist; 100% fine to coarse gravel; non-plastic.	3.0	
0		B-9-5 .5 ft		5	ML		**SILT with Sand (ML)** ; dark yellowish brown (10YR 4/6); moist; 30% clay, 50% silt, 20% sand; medium plasticity.	8.0	
0		B-9-7 ft		10	SM		**Silty SAND (SM)** ; dark gray (N 4/); moist; 40% silt, 60% fine sand; non-plastic.		Portland Type I/II
				15			▽	17.0	Bottom of Boring @ 17 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\0601-\060119-\1064AE2~1\060119-GINT.GPJ DEFAULT.GDT 9/23/10

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-10
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	24-Jun-10
LOCATION	2350 (2368) Harrison Street, Oakland, CA	**DRILLING COMPLETED**	25-Jun-10
PROJECT NUMBER	060119	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling, C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	10-13 fbg
LOGGED BY	E. Swan	**DEPTH TO WATER (First Encountered)**	4 fbg (24-Jun-10) ▽
REVIEWED BY	P. Schaefer	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Air knifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							CONCRETE	0.8	
					SM		**Silty SAND (SM)** ; very dark gray (2.5Y 3/1); moist; 5% clay, 30% silt, 65% fine grained sand; non-plastic.		
							@ 3' - black (N 2.5/).		
							@ 4' - wet. ▽		
3		B-10- 5.5 ft		5					
27		B-10- 7 ft							Portland Type I/II
								7.0	
					ML		**SILT with Sand (ML)** ; black (N 2.5/); wet ; 25% clay, 60% silt, 15% fine sand; medium plasticity.		
				10				13.0	Bottom of Boring @ 13 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\0601-\060119-\1064AE2~1\060119-GINT.GPJ DEFAULT.GDT 9/23/10

APPENDIX D

CERTIFIED ANALYTICAL REPORTS

Calscience
Environmental
Laboratories, Inc.

July 09, 2010

Peter Schaefer
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Subject: **Calscience Work Order No.:** **10-06-2232**
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 6/29/2010 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Jessi Lee for

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 06/29/10
Work Order No: 10-06-2232
Preparation: EPA 3550B
Method: EPA 1664A M

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
B-10-5.5 ft	10-06-2232-1-A	06/25/10 09:45	Solid	N/A	07/07/10	07/07/10 19:00	A0707HEML2

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	670	10	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-10-7 ft	10-06-2232-2-A	06/25/10 09:50	Solid	N/A	07/07/10	07/07/10 19:00	A0707HEML2

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	120	10	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-9-5.5 ft	10-06-2232-3-A	06/25/10 13:30	Solid	N/A	07/07/10	07/07/10 19:00	A0707HEML2

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	12	10	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-9-7 ft	10-06-2232-4-A	06/25/10 13:40	Solid	N/A	07/07/10	07/07/10 19:00	A0707HEML2

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	30	10	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-5.5 ft	10-06-2232-5-A	06/25/10 12:45	Solid	N/A	07/07/10	07/07/10 19:00	A0707HEML2

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	34	10	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-7 ft	10-06-2232-6-A	06/25/10 12:50	Solid	N/A	07/07/10	07/07/10 19:00	A0707HEML2

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	27	10	1		mg/kg

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	06/29/10
5900 Hollis Street, Suite A	Work Order No:	10-06-2232
Emeryville, CA 94608-2008	Preparation:	EPA 3550B
	Method:	EPA 1664A M

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	**099-12-040-297**	**N/A**	**Solid**	**N/A**	**07/07/10**	**07/07/10 19:00**	**A0707HEML2**

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	ND	10	1		mg/kg

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	06/29/10
5900 Hollis Street, Suite A	Work Order No:	10-06-2232
Emeryville, CA 94608-2008	Preparation:	EPA 3550B
	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
B-10-5.5 ft	**10-06-2232-1-A**	**06/25/10 09:45**	**Solid**	**GC 45**	**06/30/10**	**07/01/10 02:38**	**100630B14**

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.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	17	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	100	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-10-7 ft	**10-06-2232-2-A**	**06/25/10 09:50**	**Solid**	**GC 45**	**06/30/10**	**07/01/10 02:54**	**100630B14**

Comment(s): -The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons are also present (or were detected).

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	81	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	100	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-9-5.5 ft	**10-06-2232-3-A**	**06/25/10 13:30**	**Solid**	**GC 45**	**06/30/10**	**07/01/10 03:09**	**100630B14**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	99	61-145	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 06/29/10
Work Order No: 10-06-2232
Preparation: EPA 3550B
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
B-9-7 ft	**10-06-2232-4-A**	**06/25/10 13:40**	**Solid**	**GC 45**	**06/30/10**	**07/01/10 03:25**	**100630B14**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	101	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-5.5 ft	**10-06-2232-5-A**	**06/25/10 12:45**	**Solid**	**GC 45**	**06/30/10**	**07/01/10 03:41**	**100630B14**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	91	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-7 ft	**10-06-2232-6-A**	**06/25/10 12:50**	**Solid**	**GC 45**	**06/30/10**	**07/01/10 03:56**	**100630B14**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	100	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-025-1,193**	**N/A**	**Solid**	**GC 45**	**06/30/10**	**06/30/10 21:26**	**100630B14**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	108	61-145	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 06/29/10
Work Order No: 10-06-2232
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

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
B-10-5.5 ft	**10-06-2232-1-A**	**06/25/10 09:45**	**Solid**	**GC/MS RR**	**06/29/10**	**07/02/10 19:57**	**100702L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Ethylbenzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Naphthalene	ND	0.050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	63-141			1,2-Dichloroethane-d4	104	62-146		
Toluene-d8	99	80-120			1,4-Bromofluorobenzene	96	60-132		
Toluene-d8-TPPH	97	87-111							

B-10-7 ft	**10-06-2232-2-A**	**06/25/10 09:50**	**Solid**	**GC/MS RR**	**07/06/10**	**07/08/10 15:30**	**100708L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Ethylbenzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Naphthalene	ND	0.050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	94	63-141			1,2-Dichloroethane-d4	89	62-146		
Toluene-d8	99	80-120			1,4-Bromofluorobenzene	95	60-132		
Toluene-d8-TPPH	96	87-111							

B-9-5.5 ft	**10-06-2232-3-A**	**06/25/10 13:30**	**Solid**	**GC/MS RR**	**06/29/10**	**07/02/10 20:50**	**100702L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Ethylbenzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Naphthalene	ND	0.050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	63-141			1,2-Dichloroethane-d4	101	62-146		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	98	60-132		
Toluene-d8-TPPH	97	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 06/29/10
Work Order No: 10-06-2232
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

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
B-9-7 ft	**10-06-2232-4-A**	**06/25/10 13:40**	**Solid**	**GC/MS RR**	**06/29/10**	**07/02/10 21:16**	**100702L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Ethylbenzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Naphthalene	ND	0.050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	99	63-141			1,2-Dichloroethane-d4	102	62-146		
Toluene-d8	99	80-120			1,4-Bromofluorobenzene	95	60-132		
Toluene-d8-TPPH	96	87-111							

B-8-5.5 ft	**10-06-2232-5-A**	**06/25/10 12:45**	**Solid**	**GC/MS RR**	**06/29/10**	**07/02/10 21:42**	**100702L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Ethylbenzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Naphthalene	ND	0.050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	63-141			1,2-Dichloroethane-d4	104	62-146		
Toluene-d8	99	80-120			1,4-Bromofluorobenzene	100	60-132		
Toluene-d8-TPPH	97	87-111							

B-8-7 ft	**10-06-2232-6-A**	**06/25/10 12:50**	**Solid**	**GC/MS RR**	**06/29/10**	**07/06/10 18:52**	**100706L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Ethylbenzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Naphthalene	ND	0.050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	103	63-141			1,2-Dichloroethane-d4	111	62-146		
Toluene-d8	99	80-120			1,4-Bromofluorobenzene	98	60-132		
Toluene-d8-TPPH	96	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	06/29/10
5900 Hollis Street, Suite A	Work Order No:	10-06-2232
Emeryville, CA 94608-2008	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	mg/kg

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	099-12-798-1,076	N/A	Solid	GC/MS RR	07/02/10	07/02/10 13:45	100702L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Ethylbenzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Naphthalene	ND	0.050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	98	63-141			1,2-Dichloroethane-d4	99	62-146		
Toluene-d8	99	80-120			1,4-Bromofluorobenzene	102	60-132		
Toluene-d8-TPPH	97	87-111							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-798-1,084	N/A	Solid	GC/MS RR	07/06/10	07/06/10 14:27	100706L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Ethylbenzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Naphthalene	ND	0.050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	63-141			1,2-Dichloroethane-d4	104	62-146		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	98	60-132		
Toluene-d8-TPPH	98	87-111							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-798-1,089	N/A	Solid	GC/MS RR	07/08/10	07/08/10 13:17	100708L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Ethylbenzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Naphthalene	ND	0.050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	63-141			1,2-Dichloroethane-d4	107	62-146		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	99	60-132		
Toluene-d8-TPPH	98	87-111							

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received:	06/29/10
5900 Hollis Street, Suite A	Work Order No:	10-06-2232
Emeryville, CA 94608-2008	Preparation:	EPA 3550B
	Method:	EPA 8015B

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

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-06-2295-24	Solid	GC 45	06/30/10	06/30/10	100630S14

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	101	89	64-130	11	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 06/29/10
Work Order No: 10-06-2232
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
10-06-2308-1	Solid	GC/MS RR	07/02/10	07/02/10	100702S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	89	91	61-127	2	0-20	
Carbon Tetrachloride	87	93	51-135	7	0-29	
Chlorobenzene	86	89	57-123	3	0-20	
1,2-Dibromoethane	95	88	64-124	7	0-20	
1,2-Dichlorobenzene	85	84	35-131	1	0-25	
1,2-Dichloroethane	94	90	80-120	4	0-20	
1,1-Dichloroethene	89	92	47-143	4	0-25	
Ethylbenzene	87	90	57-129	4	0-22	
Toluene	87	89	63-123	2	0-20	
Trichloroethene	86	89	44-158	3	0-20	
Vinyl Chloride	98	101	49-139	3	0-47	
Methyl-t-Butyl Ether (MTBE)	97	90	57-123	8	0-21	
Tert-Butyl Alcohol (TBA)	114	111	30-168	2	0-34	
Diisopropyl Ether (DIPE)	92	92	57-129	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	94	91	55-127	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	96	90	58-124	7	0-20	
Ethanol	116	134	17-167	14	0-47	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates		Date Received:	06/29/10
5900 Hollis Street, Suite A		Work Order No:	10-06-2232
Emeryville, CA 94608-2008		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
10-07-0157-2	Solid	GC/MS RR	07/02/10	07/06/10	100706S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	102	103	61-127	1	0-20	
Carbon Tetrachloride	102	107	51-135	5	0-29	
Chlorobenzene	101	100	57-123	0	0-20	
1,2-Dibromoethane	113	114	64-124	1	0-20	
1,2-Dichlorobenzene	98	100	35-131	2	0-25	
1,2-Dichloroethane	108	109	80-120	1	0-20	
1,1-Dichloroethene	102	105	47-143	3	0-25	
Ethylbenzene	99	100	57-129	1	0-22	
Toluene	99	102	63-123	3	0-20	
Trichloroethene	100	102	44-158	3	0-20	
Vinyl Chloride	107	109	49-139	2	0-47	
Methyl-t-Butyl Ether (MTBE)	111	116	57-123	4	0-21	
Tert-Butyl Alcohol (TBA)	101	101	30-168	0	0-34	
Diisopropyl Ether (DIPE)	105	106	57-129	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	107	110	55-127	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	110	113	58-124	3	0-20	
Ethanol	85	87	17-167	2	0-47	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 06/29/10
Work Order No: 10-06-2232
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
10-07-0382-1	Solid	GC/MS RR	07/07/10	07/08/10	100708S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	91	91	61-127	0	0-20	
Carbon Tetrachloride	90	91	51-135	2	0-29	
Chlorobenzene	87	86	57-123	0	0-20	
1,2-Dibromoethane	88	86	64-124	2	0-20	
1,2-Dichlorobenzene	83	80	35-131	4	0-25	
1,2-Dichloroethane	91	88	80-120	3	0-20	
1,1-Dichloroethene	89	88	47-143	2	0-25	
Ethylbenzene	88	86	57-129	1	0-22	
Toluene	88	88	63-123	0	0-20	
Trichloroethene	100	109	44-158	8	0-20	
Vinyl Chloride	93	91	49-139	1	0-47	
Methyl-t-Butyl Ether (MTBE)	87	86	57-123	2	0-21	
Tert-Butyl Alcohol (TBA)	86	99	30-168	14	0-34	
Diisopropyl Ether (DIPE)	91	91	57-129	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	89	88	55-127	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	89	88	58-124	1	0-20	
Ethanol	78	108	17-167	32	0-47	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 10-06-2232
Emeryville, CA 94608-2008	Preparation: EPA 3550B
	Method: EPA 1664A M

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

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-040-297	Solid	N/A	07/07/10	07/07/10	A0707HEML2

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
HEM: Oil and Grease	100	92	80-120	9	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 10-06-2232
Emeryville, CA 94608-2008	Preparation: EPA 3550B
	Method: EPA 8015B

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

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-025-1,193	Solid	GC 45	06/30/10	06/30/10	100630B14

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	96	101	75-123	5	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: N/A
Work Order No: 10-06-2232
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
099-12-798-1,076	Solid	GC/MS RR	07/02/10	07/02/10	100702L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	100	101	78-120	71-127	1	0-20	
Carbon Tetrachloride	96	101	49-139	34-154	5	0-20	
Chlorobenzene	98	98	79-120	72-127	0	0-20	
1,2-Dibromoethane	100	100	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	95	97	75-120	68-128	2	0-20	
1,2-Dichloroethane	101	103	80-120	73-127	2	0-20	
1,1-Dichloroethene	98	99	74-122	66-130	1	0-20	
Ethylbenzene	99	98	76-120	69-127	1	0-20	
Toluene	98	100	77-120	70-127	2	0-20	
Trichloroethene	98	99	80-120	73-127	1	0-20	
Vinyl Chloride	99	100	68-122	59-131	0	0-20	
Methyl-t-Butyl Ether (MTBE)	98	101	77-120	70-127	3	0-20	
Tert-Butyl Alcohol (TBA)	92	94	68-122	59-131	2	0-20	
Diisopropyl Ether (DIPE)	99	102	78-120	71-127	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	98	102	78-120	71-127	4	0-20	
Tert-Amyl-Methyl Ether (TAME)	100	103	75-120	68-128	3	0-20	
Ethanol	85	91	56-140	42-154	7	0-20	
TPPH	106	108	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

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: N/A
Work Order No: 10-06-2232
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
099-12-798-1,084	Solid	GC/MS RR	07/06/10	07/06/10	100706L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	106	107	78-120	71-127	1	0-20	
Carbon Tetrachloride	110	116	49-139	34-154	5	0-20	
Chlorobenzene	105	105	79-120	72-127	0	0-20	
1,2-Dibromoethane	114	101	80-120	73-127	12	0-20	
1,2-Dichlorobenzene	105	101	75-120	68-128	4	0-20	
1,2-Dichloroethane	108	100	80-120	73-127	8	0-20	
1,1-Dichloroethene	106	111	74-122	66-130	5	0-20	
Ethylbenzene	106	108	76-120	69-127	2	0-20	
Toluene	102	104	77-120	70-127	1	0-20	
Trichloroethene	104	108	80-120	73-127	4	0-20	
Vinyl Chloride	107	107	68-122	59-131	1	0-20	
Methyl-t-Butyl Ether (MTBE)	114	98	77-120	70-127	15	0-20	
Tert-Butyl Alcohol (TBA)	98	85	68-122	59-131	15	0-20	
Diisopropyl Ether (DIPE)	108	101	78-120	71-127	6	0-20	
Ethyl-t-Butyl Ether (ETBE)	110	100	78-120	71-127	10	0-20	
Tert-Amyl-Methyl Ether (TAME)	113	101	75-120	68-128	11	0-20	
Ethanol	91	84	56-140	42-154	7	0-20	
TPPH	100	101	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

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: N/A
Work Order No: 10-06-2232
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
099-12-798-1,089	Solid	GC/MS RR	07/08/10	07/08/10	100708L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	98	96	78-120	71-127	2	0-20	
Carbon Tetrachloride	97	96	49-139	34-154	1	0-20	
Chlorobenzene	96	94	79-120	72-127	2	0-20	
1,2-Dibromoethane	96	101	80-120	73-127	5	0-20	
1,2-Dichlorobenzene	94	92	75-120	68-128	1	0-20	
1,2-Dichloroethane	97	100	80-120	73-127	3	0-20	
1,1-Dichloroethene	94	91	74-122	66-130	3	0-20	
Ethylbenzene	97	93	76-120	69-127	4	0-20	
Toluene	97	94	77-120	70-127	3	0-20	
Trichloroethene	97	94	80-120	73-127	4	0-20	
Vinyl Chloride	92	94	68-122	59-131	2	0-20	
Methyl-t-Butyl Ether (MTBE)	93	101	77-120	70-127	8	0-20	
Tert-Butyl Alcohol (TBA)	90	90	68-122	59-131	0	0-20	
Diisopropyl Ether (DIPE)	98	100	78-120	71-127	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	94	99	78-120	71-127	4	0-20	
Tert-Amyl-Methyl Ether (TAME)	97	101	75-120	68-128	5	0-20	
Ethanol	92	84	56-140	42-154	8	0-20	
TPPH	103	103	65-135	53-147	0	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.

Glossary of Terms and Qualifiers

Work Order Number: 10-06-2232

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.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Shell Oil Products Chain Of Custody Record

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

Please Check Appropriate Box:
- [x] ENV. SERVICES
- [ ] MOTIVA RETAIL
- [ ] SHELL RETAIL
- [ ] MOTIVA SD&CM
- [x] CONSULTANT
- [ ] LUBES
- [ ] SHELL PIPELINE
- [ ] OTHER

Print Bill To Contact Name: Peter Schaefer

INCIDENT # (ENV SERVICES): 97743981 [ ] CHECK IF NO INCIDENT # APPLIES

PO #:

SAP #: 17731818

DATE: 6/25/10

PAGE: 1 of 1

SAMPLING COMPANY: Conestoga-Rovers & Associates	LOG CODE: CRAW	SITE ADDRESS: Street and City: 2350 (2368) Harrison St., Oakland	State: CA	GLOBAL ID NO: TO600102237
ADDRESS: 5900 Hollis Street, Suite A, Emeryville, CA 94608		EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville	PHONE NO: 510-420-3343	E-MAIL: shelledf@craworld.com	CONSULTANT PROJECT NO: 60119-95
PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer		SAMPLER NAME(S) (Print): Erin Reinhart Swan	LAB USE ONLY: 06-2232		
TELEPHONE: 510-420-3319	FAX: 510-420-9170	E-MAIL: pschaefer@craworld.com			

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 :

- [x] 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	Ice	OTHER	NO. OF CONT.	TPH - Purgeable (8260B)	TPHg (8260B)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	1,1,2,2-tetrachloroethane(8260B)	[redacted]	Naphthalene (8260B)	Methanol (8015M)	[redacted]	CAM17 Metals - Total (6010)	SVOCs (8270C)	VOCs (8260)	Oil & Grease (418.1)	TPHd (8015M)	TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
1	B-10-5.5 ft	6/25/10	9:45	Soil					X		1		X	X	X					X						X	X	
2	B-10-7ft		9:50	Soil					X		1		X	X	X					X						X	X	
3	[redacted] B-9-5.5ft		1:30	Soil					X		1		X	X	X					X						X	X	
4	[redacted] B-9-7ft		1:40	Soil					X		1		X	X	X					X						X	X	
5	[redacted] B-8-5.5ft		12:45	Soil					X		1		X	X	X					X						X	X	
6	B-8-7ft		12:50	Soil					X		1		X	X	X					X						X	X	

Relinquished by: (Signature) Erin Swan	Received by: (Signature) Seaview location	Date: 6/25/10	Time: 4:00
Relinquished by: (Signature)	Received by: (Signature) Tai Mally CEL	Date: 6/28/10	Time: 0925
Relinquished by: (Signature) 10 1920 6-28-10 1730	Received by: (Signature)	Date: 6/29/10	Time: 1145

05/2/06 Revision

2232

GSO

WebShip > > > > >

800-322-5555 www.gso.com

Ship From:
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:
CRA

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 514439791

NPS

ORC

D

GARDEN GROVE

D92843A

82700553

Print Date : 06/28/10 15:29 PM

Package 1 of 1

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

LABEL INSTRUCTIONS:

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

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

STEP 2 - Fold this page in half.

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

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

ADDITIONAL OPTIONS:

Send Label Via Email | Create Return Label

TERMS AND CONDITIONS:

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

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-06-2232

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: CRA

DATE: 06/29/10

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

Temperature 2.3 °C + 0.5 °C (CF) = 2.8 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only Initial: JP

CUSTODY SEALS INTACT:

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

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: @

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 (P) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s** ☐500AGB ☐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:** @

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

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:** MSL

Calscience
Environmental
Laboratories, Inc.

July 09, 2010

Peter Schaefer
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Subject: **Calscience Work Order No.:** **10-06-2233**
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 6/29/2010 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Jessi Lee for

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 06/29/10
Work Order No: 10-06-2233
Preparation: N/A
Method: EPA 1664A

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
B-10	**10-06-2233-1-E**	**06/25/10 10:00**	**Aqueous**	**N/A**	**07/04/10**	**07/04/10 15:00**	**A0704HEML1**

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	31.7	1.0	1		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-9	**10-06-2233-2-E**	**06/25/10 13:50**	**Aqueous**	**N/A**	**07/04/10**	**07/04/10 15:00**	**A0704HEML1**

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	1.9	1.0	1		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8	**10-06-2233-3-E**	**06/25/10 12:55**	**Aqueous**	**N/A**	**07/04/10**	**07/04/10 15:00**	**A0704HEML1**

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	1.1	1.0	1		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-05-119-2,417**	**N/A**	**Aqueous**	**N/A**	**07/04/10**	**07/04/10 15:00**	**A0704HEML1**

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

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 06/29/10
Work Order No: 10-06-2233
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
B-10	**10-06-2233-1-D**	**06/25/10 10:00**	**Aqueous**	**GC 46**	**06/30/10**	**07/02/10 03:57**	**100630B21**

Comment(s): -The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons are also present (or were detected).

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	8900	250	5		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	82	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-9	**10-06-2233-2-D**	**06/25/10 13:50**	**Aqueous**	**GC 46**	**06/30/10**	**07/02/10 04:12**	**100630B21**

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.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	250	50	1		ug/L

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8	**10-06-2233-3-D**	**06/25/10 12:55**	**Aqueous**	**GC 46**	**06/30/10**	**07/02/10 04:28**	**100630B21**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	570	50	1		ug/L

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

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	06/29/10
5900 Hollis Street, Suite A	Work Order No:	10-06-2233
Emeryville, CA 94608-2008	Preparation:	EPA 3510C
	Method:	EPA 8015B

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-211-1,720**	**N/A**	**Aqueous**	**GC 46**	**06/30/10**	**07/01/10 22:26**	**100630B21**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	112	68-140			

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 06/29/10
Work Order No: 10-06-2233
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-10	10-06-2233-1-C	06/25/10 10:00	Aqueous	GC/MS OO	07/08/10	07/08/10 18:04	100708L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.5	5		Tert-Butyl Alcohol (TBA)	ND	50	5	
Ethylbenzene	ND	5.0	5		Diisopropyl Ether (DIPE)	ND	10	5	
Naphthalene	ND	50	5		Ethyl-t-Butyl Ether (ETBE)	ND	10	5	
Toluene	ND	5.0	5		Tert-Amyl-Methyl Ether (TAME)	ND	10	5	
Xylenes (total)	ND	5.0	5		TPPH	6000	1200	25	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	5						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	107	80-126			1,2-Dichloroethane-d4	104	80-131		
Toluene-d8	102	80-120			Toluene-d8-TPPH	102	88-112		
1,4-Bromofluorobenzene	110	80-120							

B-9	10-06-2233-2-B	06/25/10 13:50	Aqueous	GC/MS LL	07/07/10	07/07/10 19:52	100707L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Naphthalene	ND	10	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		TPPH	1300	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	95	80-126			1,2-Dichloroethane-d4	102	80-131		
Toluene-d8	98	80-120			Toluene-d8-TPPH	106	88-112		
1,4-Bromofluorobenzene	81	80-120							

B-8	10-06-2233-3-B	06/25/10 12:55	Aqueous	GC/MS LL	07/07/10	07/07/10 20:51	100707L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Naphthalene	ND	10	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		TPPH	260	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	92	80-126			1,2-Dichloroethane-d4	105	80-131		
Toluene-d8-TPPH	104	88-112			Toluene-d8	97	80-120		
1,4-Bromofluorobenzene	90	80-120							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 06/29/10
Work Order No: 10-06-2233
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-4,229	N/A	Aqueous	GC/MS LL	07/07/10	07/07/10 18:54	100707L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Naphthalene	ND	10	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		TPPH	ND	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	106	80-126			1,2-Dichloroethane-d4	115	80-131		
Toluene-d8-TPPH	107	88-112			Toluene-d8	99	80-120		
1,4-Bromofluorobenzene	86	80-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-4,235	N/A	Aqueous	GC/MS OO	07/08/10	07/08/10 15:42	100708L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Naphthalene	ND	10	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		TPPH	ND	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	107	80-126			1,2-Dichloroethane-d4	112	80-131		
Toluene-d8-TPPH	102	88-112			Toluene-d8	102	80-120		
1,4-Bromofluorobenzene	102	80-120							

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 06/29/10
Work Order No: 10-06-2233
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
B-9	Aqueous	GC/MS LL	07/07/10	07/07/10	100707S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	108	108	80-120	1	0-20	
Carbon Tetrachloride	101	103	55-151	2	0-20	
Chlorobenzene	109	99	80-120	10	0-20	
1,2-Dibromoethane	107	90	77-125	17	0-20	
1,2-Dichlorobenzene	103	109	78-120	5	0-20	
1,2-Dichloroethane	97	93	80-120	4	0-20	
1,1-Dichloroethene	109	111	69-129	1	0-20	
Ethylbenzene	117	101	73-127	15	0-20	
Toluene	110	109	80-120	1	0-20	
Trichloroethene	108	109	67-133	1	0-20	
Vinyl Chloride	112	130	67-133	15	0-20	
Methyl-t-Butyl Ether (MTBE)	114	111	65-131	3	0-22	
Tert-Butyl Alcohol (TBA)	115	116	62-134	2	0-20	
Diisopropyl Ether (DIPE)	115	116	64-136	0	0-29	
Ethyl-t-Butyl Ether (ETBE)	115	117	70-124	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	115	112	71-125	2	0-20	
Ethanol	107	102	44-152	5	0-43	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 06/29/10
Work Order No: 10-06-2233
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
10-07-0263-3	Aqueous	GC/MS OO	07/08/10	07/08/10	100708S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	106	106	80-120	0	0-20	
Carbon Tetrachloride	117	119	55-151	2	0-20	
Chlorobenzene	103	103	80-120	1	0-20	
1,2-Dibromoethane	116	108	77-125	7	0-20	
1,2-Dichlorobenzene	99	100	78-120	1	0-20	
1,2-Dichloroethane	109	110	80-120	0	0-20	
1,1-Dichloroethene	111	108	69-129	3	0-20	
Ethylbenzene	106	106	73-127	0	0-20	
Toluene	105	110	80-120	5	0-20	
Trichloroethene	105	107	67-133	2	0-20	
Vinyl Chloride	101	105	67-133	4	0-20	
Methyl-t-Butyl Ether (MTBE)	103	103	65-131	0	0-22	
Tert-Butyl Alcohol (TBA)	98	96	62-134	3	0-20	
Diisopropyl Ether (DIPE)	114	114	64-136	0	0-29	
Ethyl-t-Butyl Ether (ETBE)	100	101	70-124	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	96	99	71-125	3	0-20	
Ethanol	99	101	44-152	2	0-43	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 10-06-2233
Emeryville, CA 94608-2008	Preparation: N/A
	Method: EPA 1664A

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

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-05-119-2,417	Aqueous	N/A	07/04/10	07/04/10	A0704HEML1

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
HEM: Oil and Grease	94	92	78-114	2	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 10-06-2233
Emeryville, CA 94608-2008	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
099-12-211-1,720	Aqueous	GC 46	06/30/10	07/01/10	100630B21

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	108	106	75-117	1	0-13	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: N/A
Work Order No: 10-06-2233
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

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

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-4,229	Aqueous	GC/MS LL	07/07/10	07/07/10	100707L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	106	106	80-120	73-127	1	0-20	
Carbon Tetrachloride	99	102	67-139	55-151	3	0-22	
Chlorobenzene	105	106	80-120	73-127	1	0-20	
1,2-Dibromoethane	101	101	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	108	104	79-120	72-127	4	0-20	
1,2-Dichloroethane	94	94	80-120	73-127	0	0-20	
1,1-Dichloroethene	113	108	71-125	62-134	4	0-25	
Ethylbenzene	113	122	80-123	73-130	8	0-20	
Toluene	108	109	80-120	73-127	0	0-20	
Trichloroethene	106	107	80-120	73-127	1	0-20	
Vinyl Chloride	105	116	68-140	56-152	10	0-23	
Methyl-t-Butyl Ether (MTBE)	105	110	75-123	67-131	5	0-25	
Tert-Butyl Alcohol (TBA)	112	109	72-126	63-135	3	0-20	
Diisopropyl Ether (DIPE)	107	114	75-129	66-138	7	0-22	
Ethyl-t-Butyl Ether (ETBE)	108	114	76-124	68-132	6	0-20	
Tert-Amyl-Methyl Ether (TAME)	109	109	79-121	72-128	1	0-20	
Ethanol	137	98	53-143	38-158	33	0-25	X
TPPH	106	123	65-135	53-147	14	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

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: N/A
Work Order No: 10-06-2233
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

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

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-4,235	Aqueous	GC/MS OO	07/08/10	07/08/10	100708L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	103	107	80-120	73-127	4	0-20	
Carbon Tetrachloride	112	117	67-139	55-151	4	0-22	
Chlorobenzene	101	104	80-120	73-127	3	0-20	
1,2-Dibromoethane	112	112	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	98	99	79-120	72-127	1	0-20	
1,2-Dichloroethane	109	112	80-120	73-127	3	0-20	
1,1-Dichloroethene	108	109	71-125	62-134	1	0-25	
Ethylbenzene	103	107	80-123	73-130	3	0-20	
Toluene	103	106	80-120	73-127	3	0-20	
Trichloroethene	104	107	80-120	73-127	3	0-20	
Vinyl Chloride	100	101	68-140	56-152	2	0-23	
Methyl-t-Butyl Ether (MTBE)	107	106	75-123	67-131	0	0-25	
Tert-Butyl Alcohol (TBA)	96	96	72-126	63-135	1	0-20	
Diisopropyl Ether (DIPE)	113	114	75-129	66-138	1	0-22	
Ethyl-t-Butyl Ether (ETBE)	102	102	76-124	68-132	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	100	101	79-121	72-128	2	0-20	
Ethanol	110	106	53-143	38-158	3	0-25	
TPPH	102	100	65-135	53-147	3	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.

Glossary of Terms and Qualifiers

Work Order Number: 10-06-2233

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.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

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

INCIDENT # (ENV SERVICES): 9 7 7 4 3 9 6 9 — [ ] CHECK IF NO INCIDENT # APPLIES

DATE: 6/25/10

PAGE: 1 of 1

PO #:

SAP #: 1 7 3 3 1 8

SAMPLING COMPANY	Conestoga-Rovers & Associates
LOG CODE	CRAW
ADDRESS	5900 Hollis Street, Suite A, Emeryville, CA 94608
PROJECT CONTACT (Hardcopy or PDF Report to)	Peter Schaefer
TELEPHONE	510-420-3319
FAX	510-420-9170
E-MAIL	pschaefer@craworld.com
SITE ADDRESS: Street and City	2350 (2368) Harrison St., Oakland
State	CA
GLOBAL ID NO	TO600102237
EDF DELIVERABLE TO (Name, Company, Office Location)	Brenda Carter, CRA, Emeryville
PHONE NO	510-420-3343
E-MAIL	shelledf@craworld.com
CONSULTANT PROJECT NO	60119-95
SAMPLER NAME(S) (Print)	Erin Swan
LAB USE ONLY	06- 2233

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 :

- [x] 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	Ice	OTHER	NO. OF CONT.	TPH - Purgeable (8260B)	TPHg (8260B)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	1,1,2,2-tetrachloroethane(8260B)	Naphthalene	Methanol (8015M)	TPH - MO (8015M)	CAM17 Metals - Total (6010)	SVOCs (8270C)	VOCs (8260)	Oil & Grease (418.1)	TPHd (8015M)	Container PID Readings or Laboratory Notes
1	B-10	6/25/10	10:00	GW	3		1	1	X		5		X	X	X				X						X	X	
2	B-9	↓	1:50	GW	3		1	1	X		5		X	X	X				X						X	X	
3	B-8	↓	12:55	GW	3		1	1	X		5		X	X	X				X						X	X	
				GW					X				X	X	X				X						X	X	

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature) Erin Swan	Received by: (Signature) Secure location	Date: 6/25/10	Time: 4:00
Relinquished by: (Signature)	Received by: (Signature) To Molly CEC	Date: 6/28/10	Time: 0925
Relinquished by: (Signature) CEC to GSO 6-28-10 1730	Received by: (Signature)	Date: 6/29/10	Time: 1145

05/2/06 Revision

2233

GSO

WebShip

800-322-5555 www.gso.com

Ship From:
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:
CRA

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 514439791

NPS

ORC **D**

GARDEN GROVE

D92843A

82700553

Print Date : 06/28/10 15:29 PM

Package 1 of 1

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

LABEL INSTRUCTIONS:

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

STEP 1 - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.
STEP 2 - Fold this page in half.
STEP 3 - Securely attach this label to your package, do not cover the barcode.
STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

ADDITIONAL OPTIONS:

Send Label Via Email | Create Return Label

TERMS AND CONDITIONS:

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

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-06-2233

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: CRA DATE: 06/29/10

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

Temperature 2.3 °C + 0.5 °C (CF) = 2.8 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only Initial: JP

CUSTODY SEALS INTACT:

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

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: SO

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 ☑VOA**h** (3) ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☑1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na**

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☑1AGJ ☐_____ ☐_____

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

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

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: DL

Calscience
Environmental
Laboratories, Inc.

July 13, 2010

Peter Schaefer
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Subject: **Calscience Work Order No.:** **10-07-0030**
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 7/1/2010 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 07/01/10
Work Order No: 10-07-0030
Preparation: N/A
Method: EPA 1664A

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
B-5	**10-07-0030-1-E**	**06/29/10 09:35**	**Aqueous**	**N/A**	**07/04/10**	**07/04/10 15:00**	**A0704HEML1**

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
B-6	**10-07-0030-2-E**	**06/29/10 11:30**	**Aqueous**	**N/A**	**07/04/10**	**07/04/10 15:00**	**A0704HEML1**

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	1.3	1.0	1		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7	**10-07-0030-3-E**	**06/29/10 13:50**	**Aqueous**	**N/A**	**07/04/10**	**07/04/10 15:00**	**A0704HEML1**

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
Method Blank	**099-05-119-2,417**	**N/A**	**Aqueous**	**N/A**	**07/04/10**	**07/04/10 15:00**	**A0704HEML1**

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

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	07/01/10
5900 Hollis Street, Suite A		Work Order No:	10-07-0030
Emeryville, CA 94608-2008		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
B-5	10-07-0030-1-D	06/29/10 09:35	Aqueous	GC 43	07/02/10	07/07/10 01:38	100702B18

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.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	410	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	119	68-140			

B-6	10-07-0030-2-D	06/29/10 11:30	Aqueous	GC 43	07/02/10	07/07/10 01:58	100702B18

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.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	160	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	113	68-140			

B-7	10-07-0030-3-D	06/29/10 13:50	Aqueous	GC 43	07/02/10	07/07/10 02:18	100702B18

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	290	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	119	68-140			

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	07/01/10
5900 Hollis Street, Suite A		Work Order No:	10-07-0030
Emeryville, CA 94608-2008		Preparation:	EPA 3510C
		Method:	EPA 8015B

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-211-1,722**	**N/A**	**Aqueous**	**GC 43**	**07/02/10**	**07/06/10 19:17**	**100702B18**

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	123	68-140	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 07/01/10
Work Order No: 10-07-0030
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5	**10-07-0030-1-A**	**06/29/10 09:35**	**Aqueous**	**GC/MS LL**	**07/03/10**	**07/04/10 06:11**	**100703L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Naphthalene	ND	10	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		TPPH	59	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	105	80-126			1,2-Dichloroethane-d4	108	80-131		
Toluene-d8-TPPH	107	88-112			Toluene-d8	101	80-120		
1,4-Bromofluorobenzene	92	80-120							

B-6	10-07-0030-2-A	06/29/10 11:30	Aqueous	GC/MS LL	07/03/10	07/04/10 06:40	100703L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Naphthalene	ND	10	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		TPPH	ND	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	113	80-126			1,2-Dichloroethane-d4	109	80-131		
Toluene-d8	100	80-120			Toluene-d8-TPPH	107	88-112		
1,4-Bromofluorobenzene	88	80-120							

B-7	10-07-0030-3-A	06/29/10 13:50	Aqueous	GC/MS LL	07/03/10	07/04/10 07:09	100703L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Naphthalene	ND	10	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		TPPH	ND	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	116	80-126			1,2-Dichloroethane-d4	111	80-131		
Toluene-d8-TPPH	107	88-112			Toluene-d8	100	80-120		
1,4-Bromofluorobenzene	85	80-120							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	07/01/10
5900 Hollis Street, Suite A		Work Order No:	10-07-0030
Emeryville, CA 94608-2008		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	ug/L

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-767-4,215**	**N/A**	**Aqueous**	**GC/MS LL**	**07/03/10**	**07/04/10 01:20**	**100703L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Naphthalene	ND	10	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		TPPH	ND	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	98	80-126		1,2-Dichloroethane-d4	104	80-131	
Toluene-d8-TPPH	107	88-112		Toluene-d8	100	80-120	
1,4-Bromofluorobenzene	86	80-120					

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 07/01/10
Work Order No: 10-07-0030
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
10-07-0054-1	Aqueous	GC/MS LL	07/03/10	07/04/10	100703S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	107	120	80-120	12	0-20	
Carbon Tetrachloride	109	116	55-151	6	0-20	
Chlorobenzene	93	101	80-120	8	0-20	
1,2-Dibromoethane	93	101	77-125	8	0-20	
1,2-Dichlorobenzene	102	111	78-120	8	0-20	
1,2-Dichloroethane	104	118	80-120	13	0-20	
1,1-Dichloroethene	101	110	69-129	8	0-20	
Ethylbenzene	105	113	73-127	7	0-20	
Toluene	109	120	80-120	10	0-20	
Trichloroethene	98	111	67-133	12	0-20	
Vinyl Chloride	139	136	67-133	2	0-20	3
Methyl-t-Butyl Ether (MTBE)	114	125	65-131	9	0-22	
Tert-Butyl Alcohol (TBA)	101	110	62-134	9	0-20	
Diisopropyl Ether (DIPE)	102	111	64-136	9	0-29	
Ethyl-t-Butyl Ether (ETBE)	107	117	70-124	9	0-20	
Tert-Amyl-Methyl Ether (TAME)	110	127	71-125	15	0-20	3
Ethanol	81	93	44-152	13	0-43	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: N/A
Work Order No: 10-07-0030
Preparation: N/A
Method: EPA 1664A

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

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-05-119-2,417	Aqueous	N/A	07/04/10	07/04/10	A0704HEML1

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
HEM: Oil and Grease	94	92	78-114	2	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received:	N/A
Work Order No:	10-07-0030
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
099-12-211-1,722	Aqueous	GC 43	07/02/10	07/06/10	100702B18

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	113	111	75-117	2	0-13	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 10-07-0030
Emeryville, CA 94608-2008	Preparation: EPA 5030B
	Method: LUFT GC/MS / EPA 8260B

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

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-4,215	Aqueous	GC/MS LL	07/03/10	07/04/10	100703L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	98	105	80-120	73-127	6	0-20	
Carbon Tetrachloride	99	107	67-139	55-151	8	0-22	
Chlorobenzene	87	92	80-120	73-127	6	0-20	
1,2-Dibromoethane	86	94	80-120	73-127	8	0-20	
1,2-Dichlorobenzene	94	100	79-120	72-127	6	0-20	
1,2-Dichloroethane	95	101	80-120	73-127	6	0-20	
1,1-Dichloroethene	93	100	71-125	62-134	8	0-25	
Ethylbenzene	98	104	80-123	73-130	6	0-20	
Toluene	99	106	80-120	73-127	8	0-20	
Trichloroethene	89	96	80-120	73-127	7	0-20	
Vinyl Chloride	100	103	68-140	56-152	3	0-23	
Methyl-t-Butyl Ether (MTBE)	105	112	75-123	67-131	6	0-25	
Tert-Butyl Alcohol (TBA)	89	96	72-126	63-135	7	0-20	
Diisopropyl Ether (DIPE)	93	99	75-129	66-138	6	0-22	
Ethyl-t-Butyl Ether (ETBE)	99	105	76-124	68-132	6	0-20	
Tert-Amyl-Methyl Ether (TAME)	103	112	79-121	72-128	8	0-20	
Ethanol	78	87	53-143	38-158	10	0-25	
TPPH	100	93	65-135	53-147	7	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.

Glossary of Terms and Qualifiers

Work Order Number: 10-07-0030

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.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

LAB (LOCATION)

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

Shell Oil Products Chain Of Custody Record

Please Check Appropriate Box:

[redacted] ☐ MOTIVA RETAIL ☐ SHELL RETAIL
☐ MOTIVA SD&CM ☒ CONSULTANT ☐ LUBES
☐ SHELL PIPELINE ☐ OTHER

Print Bill To Contact Name: [redacted] Peter Schaefer

PO #:

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

☐ CHECK IF NO INCIDENT # APPLIES

SAP #: 1 7 3 3 1 8

DATE: 6/29/10

PAGE: 1 of 1

SAMPLING COMPANY: Conestoga-Rovers & Associates	LOG CODE: CRAW
SITE ADDRESS: Street and City: 2350 (2368) Harrison St., Oakland	State: CA
GLOBAL ID NO: T0600102237	
ADDRESS: 5900 Hollis Street, Suite A, Emeryville, CA 94608	
EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville	PHONE NO: 510-420-3343
E-MAIL: shelledf@craworld.com	CONSULTANT PROJECT NO: 60119
PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer	
SAMPLER NAME(S) (Print): Erin ~~Reinhart Koylu~~ Swan	LAB USE ONLY: ~~06-~~ 0030
TELEPHONE: 510-420-3319	FAX: 510-420-9170
E-MAIL: pschaefer@craworld.com	

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

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

REQUESTED ANALYSIS 7

TEMPERATURE ON RECEIPT C°

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	HCL	HNO3	H2SO4	NONE	Ice OTHER	NO. OF CONT.	TPH - Purgeable (8260B)	TPHg (8260B)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	1,1,2,2-tetrachloroethane (8260B)	~~MTBE~~	Napthalene (8260B)			Methanol (8015M)	TPH - MO (8015M)	CAM17 Metals - Total (6010)	SVOCs (8270C)	VOCs (8260)	Oil & Grease (418.1)	TPHd (8015M)		Container PID Readings or Laboratory Notes
1	[redacted] B-5	6/29/10	9:35	GW	3		1	1	X	5		X	X	X					X								X	X		
2	[redacted] B-6	↓	11:30	GW	3		1	1	X	5		X	X	X					X								X	X		
3	[redacted] B-7	↓	1:50	GW	3		1	1	X	5		X	X	X					X								X	X		
	[redacted]																													

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Erin Swan	Secure location	6/29/10	4:00
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	T. Mally CCL	6/30/10	1145
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature] 6-30-10 1730	W. Doba CEL	7/01/10	1030

05/2/06 Revision

0030

GSO

< WebShip > > > > >

800-322-5555 www.gso.com

Ship From:
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:
CONOCO PHILLIPS, CRA

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 514460642

NPS

ORC

D

GARDEN GROVE

D92843A

82783654

Print Date : 06/30/10 15:54 PM

Package 1 of 1

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

LABEL INSTRUCTIONS:

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

STEP 1 - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.
STEP 2 - Fold this page in half.
STEP 3 - Securely attach this label to your package, do not cover the barcode.
STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

ADDITIONAL OPTIONS:

Send Label Via Email | Create Return Label

TERMS AND CONDITIONS:

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

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-07-0030

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: CRA DATE: 07/01/10

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

Temperature 2.3 °C + 0.5 °C (CF) = 2.8 °C ☑ Blank ☐ Sample

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

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

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

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

CUSTODY SEALS INTACT:

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

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: bL

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 ☑VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☑1AGBs ☐500AGB ☐500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☑1AGJ ☐_____ ☐_____

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

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

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:** bL

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-07-0030

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS: **Comments:**

- ☐ **Sample(s)/Container(s) NOT RECEIVED but listed on COC**
- ☐ **Sample(s)/Container(s) received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s) used** – list test
- ☐ **Improper preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☐ **Sample label(s) do not match COC** – Note in comments
  - ☐ **Sample ID**
  - ☐ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☐ **# of Container(s)**
  - ☐ **Analysis**
- ☐ **Sample container(s) compromised** – Note in comments
  - ☐ **Water present in sample container**
  - ☐ **Broken**
  - ☐ **Without Label(s)**
- ☐ **Air sample container(s) compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Very low in volume**
  - ☐ **Leaking (Not transferred - duplicate bag submitted)**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis
3	C	3							

Comments: _____

*Transferred at Client's request.

Initial / Date: RL 07/01/10

Calscience
Environmental
Laboratories, Inc.

July 14, 2010

Peter Schaefer
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Subject: **Calscience Work Order No.:** **10-07-0029**
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 7/1/2010 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 07/01/10
Work Order No: 10-07-0029
Preparation: N/A
Method: EPA 1664A M

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
B-5-5.5 ft	10-07-0029-1-A	06/29/10 09:20	Solid	N/A	07/04/10	07/04/10 12:00	A0704HEML1

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	210	10	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-7 ft	10-07-0029-2-A	06/29/10 09:25	Solid	N/A	07/04/10	07/04/10 12:00	A0704HEML1

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	49	10	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-5.5 ft	10-07-0029-3-A	06/29/10 11:00	Solid	N/A	07/04/10	07/04/10 12:00	A0704HEML1

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	58	10	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-7 ft	10-07-0029-4-A	06/29/10 11:10	Solid	N/A	07/04/10	07/04/10 12:00	A0704HEML1

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	88	10	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-5.5 ft	10-07-0029-5-A	06/29/10 13:00	Solid	N/A	07/04/10	07/04/10 12:00	A0704HEML1

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	270	10	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-7 ft	10-07-0029-6-A	06/29/10 13:10	Solid	N/A	07/04/10	07/04/10 12:00	A0704HEML1

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	62	10	1		mg/kg

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	07/01/10
5900 Hollis Street, Suite A		Work Order No:	10-07-0029
Emeryville, CA 94608-2008		Preparation:	N/A
		Method:	EPA 1664A M

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	**099-12-040-296**	**N/A**	**Solid**	**N/A**	**07/04/10**	**07/04/10 12:00**	**A0704HEML1**

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	ND	10	1		mg/kg

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	07/01/10
5900 Hollis Street, Suite A		Work Order No:	10-07-0029
Emeryville, CA 94608-2008		Preparation:	EPA 3550B
		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
B-5-5.5 ft	10-07-0029-1-A	06/29/10 09:20	Solid	GC 49	07/08/10	07/10/10 02:38	100708B12

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.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	29	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	104	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-7 ft	10-07-0029-2-A	06/29/10 09:25	Solid	GC 49	07/08/10	07/10/10 02:54	100708B12

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.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	9.8	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	108	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-5.5 ft	10-07-0029-3-A	06/29/10 11:00	Solid	GC 49	07/08/10	07/10/10 03:10	100708B12

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	112	61-145	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	07/01/10
5900 Hollis Street, Suite A	Work Order No:	10-07-0029
Emeryville, CA 94608-2008	Preparation:	EPA 3550B
	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
B-6-7 ft	10-07-0029-4-A	06/29/10 11:10	Solid	GC 49	07/08/10	07/10/10 03:26	100708B12

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.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	20	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	100	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-5.5 ft	10-07-0029-5-A	06/29/10 13:00	Solid	GC 45	07/13/10	07/14/10 10:03	100713B08

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.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	370	50	10		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	109	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-7 ft	10-07-0029-6-A	06/29/10 13:10	Solid	GC 49	07/08/10	07/10/10 03:57	100708B12

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.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	18	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	96	61-145	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	07/01/10
5900 Hollis Street, Suite A		Work Order No:	10-07-0029
Emeryville, CA 94608-2008		Preparation:	EPA 3550B
		Method:	EPA 8015B

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-025-1,219**	**N/A**	**Solid**	**GC 49**	**07/08/10**	**07/09/10 20:39**	**100708B12**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	93	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-025-1,229**	**N/A**	**Solid**	**GC 45**	**07/13/10**	**07/13/10 21:23**	**100713B08**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	106	61-145	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 07/01/10
Work Order No: 10-07-0029
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

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
B-5-5.5 ft	10-07-0029-1-A	06/29/10 09:20	Solid	GC/MS W	07/01/10	07/04/10 06:07	100703L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Ethylbenzene	0.0059	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Naphthalene	ND	0.050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	0.057	0.0050	1		TPPH	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	98	63-141			1,2-Dichloroethane-d4	99	62-146		
Toluene-d8	97	80-120			1,4-Bromofluorobenzene	93	60-132		
Toluene-d8-TPPH	97	87-111							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-7 ft	10-07-0029-2-A	06/29/10 09:25	Solid	GC/MS W	07/01/10	07/04/10 02:15	100703L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Ethylbenzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Naphthalene	ND	0.050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	0.0074	0.0050	1		TPPH	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	106	63-141			1,2-Dichloroethane-d4	101	62-146		
Toluene-d8	99	80-120			1,4-Bromofluorobenzene	92	60-132		
Toluene-d8-TPPH	100	87-111							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-5.5 ft	10-07-0029-3-A	06/29/10 11:00	Solid	GC/MS W	07/01/10	07/04/10 06:36	100703L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Ethylbenzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Naphthalene	ND	0.050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	98	63-141			1,2-Dichloroethane-d4	91	62-146		
Toluene-d8	98	80-120			1,4-Bromofluorobenzene	92	60-132		
Toluene-d8-TPPH	98	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	07/01/10
5900 Hollis Street, Suite A	Work Order No:	10-07-0029
Emeryville, CA 94608-2008	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	mg/kg

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
B-6-7 ft	10-07-0029-4-A	06/29/10 11:10	Solid	GC/MS W	07/01/10	07/04/10 07:05	100703L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Ethylbenzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Naphthalene	ND	0.050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	96	63-141			1,2-Dichloroethane-d4	92	62-146		
Toluene-d8	95	80-120			1,4-Bromofluorobenzene	90	60-132		
Toluene-d8-TPPH	95	87-111							

B-7-5.5 ft	10-07-0029-5-A	06/29/10 13:00	Solid	GC/MS W	07/01/10	07/04/10 07:35	100703L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Ethylbenzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Naphthalene	ND	0.050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	99	63-141			1,2-Dichloroethane-d4	99	62-146		
Toluene-d8	96	80-120			1,4-Bromofluorobenzene	92	60-132		
Toluene-d8-TPPH	96	87-111							

B-7-7 ft	10-07-0029-6-A	06/29/10 13:10	Solid	GC/MS W	07/01/10	07/04/10 08:04	100703L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Ethylbenzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Naphthalene	ND	0.050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	98	63-141			1,2-Dichloroethane-d4	101	62-146		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	91	60-132		
Toluene-d8-TPPH	100	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	07/01/10
5900 Hollis Street, Suite A		Work Order No:	10-07-0029
Emeryville, CA 94608-2008		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	mg/kg

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	**099-12-798-1,083**	**N/A**	**Solid**	**GC/MS W**	**07/03/10**	**07/04/10 01:16**	**100703L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Ethylbenzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Naphthalene	ND	0.050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	99	63-141			1,2-Dichloroethane-d4	96	62-146		
Toluene-d8	97	80-120			1,4-Bromofluorobenzene	94	60-132		
Toluene-d8-TPPH	98	87-111							

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 07/01/10
5900 Hollis Street, Suite A	Work Order No: 10-07-0029
Emeryville, CA 94608-2008	Preparation: EPA 3550B
	Method: EPA 8015B

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

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-07-0815-4	Solid	GC 45	07/13/10	07/13/10	100713S08

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	88	106	64-130	19	0-15	4

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 07/01/10
5900 Hollis Street, Suite A	Work Order No: 10-07-0029
Emeryville, CA 94608-2008	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
B-5-7 ft	Solid	GC/MS W	07/01/10	07/04/10	100703S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	69	77	61-127	11	0-20	
Carbon Tetrachloride	78	85	51-135	9	0-29	
Chlorobenzene	63	68	57-123	9	0-20	
1,2-Dibromoethane	50	59	64-124	18	0-20	3
1,2-Dichlorobenzene	46	54	35-131	16	0-25	
1,2-Dichloroethane	51	57	80-120	12	0-20	3
1,1-Dichloroethene	75	81	47-143	8	0-25	
Ethylbenzene	74	80	57-129	8	0-22	
Toluene	71	78	63-123	10	0-20	
Trichloroethene	70	76	44-158	8	0-20	
Vinyl Chloride	64	76	49-139	17	0-47	
Methyl-t-Butyl Ether (MTBE)	51	58	57-123	13	0-21	3
Tert-Butyl Alcohol (TBA)	41	51	30-168	22	0-34	
Diisopropyl Ether (DIPE)	57	62	57-129	8	0-20	
Ethyl-t-Butyl Ether (ETBE)	54	61	55-127	12	0-20	3
Tert-Amyl-Methyl Ether (TAME)	53	61	58-124	14	0-20	3
Ethanol	3	11	17-167	117	0-47	3,4

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 10-07-0029
Emeryville, CA 94608-2008	Preparation: N/A
	Method: EPA 1664A M

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

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-040-296	Solid	N/A	07/04/10	07/04/10	A0704HEML1

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
HEM: Oil and Grease	92	92	80-120	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates		Date Received:	N/A
5900 Hollis Street, Suite A		Work Order No:	10-07-0029
Emeryville, CA 94608-2008		Preparation:	EPA 3550B
		Method:	EPA 8015B

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

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-025-1,219	Solid	GC 49	07/08/10	07/09/10	100708B12

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	83	92	75-123	11	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 10-07-0029
Emeryville, CA 94608-2008	Preparation: EPA 3550B
	Method: EPA 8015B

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

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-025-1,229	Solid	GC 45	07/13/10	07/13/10	100713B08

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	123	119	75-123	3	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: N/A
Work Order No: 10-07-0029
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
099-12-798-1,083	Solid	GC/MS W	07/03/10	07/04/10	100703L03

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	96	96	78-120	71-127	1	0-20	
Carbon Tetrachloride	92	96	49-139	34-154	4	0-20	
Chlorobenzene	99	99	79-120	72-127	0	0-20	
1,2-Dibromoethane	103	103	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	95	95	75-120	68-128	0	0-20	
1,2-Dichloroethane	91	91	80-120	73-127	0	0-20	
1,1-Dichloroethene	89	90	74-122	66-130	1	0-20	
Ethylbenzene	100	99	76-120	69-127	1	0-20	
Toluene	99	100	77-120	70-127	1	0-20	
Trichloroethene	91	93	80-120	73-127	2	0-20	
Vinyl Chloride	99	97	68-122	59-131	1	0-20	
Methyl-t-Butyl Ether (MTBE)	93	96	77-120	70-127	3	0-20	
Tert-Butyl Alcohol (TBA)	106	102	68-122	59-131	4	0-20	
Diisopropyl Ether (DIPE)	86	87	78-120	71-127	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	91	94	78-120	71-127	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	98	99	75-120	68-128	1	0-20	
Ethanol	98	104	56-140	42-154	7	0-20	
TPPH	72	76	65-135	53-147	6	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.

Glossary of Terms and Qualifiers

Work Order Number: 10-07-0029

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.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Shell Oil Products Chain Of Custody Record

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

Please Check Appropriate Box: [redacted] ☐ MOTIVA RETAIL ☐ SHELL RETAIL ☐ MOTIVA SD&CM ☒ CONSULTANT ☐ LUBES ☐ SHELL PIPELINE ☐ OTHER

Print Bill To Contact Name: [redacted] Peter Schaefer

INCIDENT # (ENV SERVICES): 97743910 ☐ CHECK IF NO INCIDENT # APPLIES

DATE: 6/29/10

PO #:

SAP #: 17733188

PAGE: 1 of 1

SAMPLING COMPANY	Conestoga-Rovers & Associates
LOG CODE	CRAW
SITE ADDRESS: Street and City	2350 (2368) Harrison St., Oakland
State	CA
GLOBAL ID NO	TO600102237
ADDRESS	5900 Hollis Street, Suite A, Emeryville, CA 94608
EDF DELIVERABLE TO (Name, Company, Office Location)	Brenda Carter, CRA, Emeryville
PHONE NO	510-420-3343
E-MAIL	shelledf@craworld.com
CONSULTANT PROJECT NO	60119
PROJECT CONTACT (Hardcopy or PDF Report to)	Peter Schaefer
TELEPHONE	510-420-3319
FAX	510-420-9170
E-MAIL	pschaefer@craworld.com
SAMPLER NAME(S) (Print)	Erin ~~Reinhart-Koylu~~ [redacted]
LAB USE ONLY	06 0029

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	Ice	OTHER	NO. OF CONT.	TPH - Purgeable (8260B)	TPHg (8260B)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	1,1,2,2-tetrachloroethane(8260B)	[redacted]	Naphthalene (8260B)	Methanol (8015M)	TPH - MO (8015M)	CAM17 Metals - Total (6010)	SVOCs (8270C)	VOCs (8260)	Oil & Grease (418.1)	TPHd (8015M)	TEMPERATURE ON RECEIPT C°	Container PID Readings or Laboratory Notes
1	[redacted] B-5-5.5ft	6/29/10	9:20	Soil						X	1		X	X	X					X						X	X		
2	[redacted] B-5-7ft	"	9:25	Soil						X	1		X	X	X					X						X	X		
3	[redacted] B-6-5.5ft	↓	11:00	Soil						X	1		X	X	X					X						X	X		
	[redacted]			[redacted]						[redacted]																			
	[redacted]			[redacted]						[redacted]																			
4	B-6-7ft	6/29/10	11:10	Soil						X	1		X	X	X					X						X	X		
5	B-7-5.5ft	"	1:00	Soil						X	1		X	X	X					X						X	X		
6	B-7-7ft	↓	1:10	Soil						X	1		X	X	X					X						X	X		

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature] locator	6/29/10	4:00
[signature]	[signature] CEC	6/30/10	1145
[signature] 680 6-30-10 1730	[signature] Wdata CEC	7/01/10	1030

05/2/06 Revision

0029

GSO

WebShip > > > > >

800-322-5555 www.gso.com

Ship From:
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:
CONOCO PHILLIPS, CRA

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 514460642

NPS

ORC

D

GARDEN GROVE

D92843A

82783654

Print Date : 06/30/10 15:54 PM

Package 1 of 1

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

LABEL INSTRUCTIONS:

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

STEP 1 - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.
STEP 2 - Fold this page in half.
STEP 3 - Securely attach this label to your package, do not cover the barcode.
STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

ADDITIONAL OPTIONS:

Send Label Via Email | Create Return Label

TERMS AND CONDITIONS:

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

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-07-0029

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: CRA

DATE: 07/01/10

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

Temperature 2.3 °C + 0.5 °C (CF) = 2.8 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only Initial: WB

CUSTODY SEALS INTACT:

☑ Cooler	☐_____	☐ No (Not Intact)	☐ Not Present	☐ N/A	Initial: WB
☐ Sample	☐_____	☐ No (Not Intact)	☑ Not Present		Initial: DL

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 (2) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s** ☐500AGB ☐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:** DL

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

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:** DL

Calscience
Environmental
Laboratories, Inc.

July 06, 2010

Peter Schaefer
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Subject: **Calscience Work Order No.:** **10-06-2231**
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 6/29/2010 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Jessi Lee for

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	06/29/10
5900 Hollis Street, Suite A	Work Order No:	10-06-2231
Emeryville, CA 94608-2008	Preparation:	EPA 3550B
	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
CRA-A	**10-06-2231-1-A**	**06/25/10 14:00**	**Solid**	**GC 48**	**06/29/10**	**06/30/10 07:27**	**100629B09**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	127	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-025-1,197**	**N/A**	**Solid**	**GC 48**	**06/29/10**	**06/30/10 01:24**	**100629B09**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	111	61-145			

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received: 06/29/10
5900 Hollis Street, Suite A	Work Order No: 10-06-2231
Emeryville, CA 94608-2008	Preparation: EPA 3550B
	Method: EPA 8015B (M)

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
CRA-A	**10-06-2231-1-A**	**06/25/10 14:00**	**Solid**	**GC 48**	**06/29/10**	**06/30/10 07:27**	**100629B10**

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	127	61-145	

Method Blank	099-12-254-1,280	N/A	Solid	GC 48	06/29/10	06/30/10 01:24	100629B10

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	111	61-145	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	06/29/10
5900 Hollis Street, Suite A		Work Order No:	10-06-2231
Emeryville, CA 94608-2008		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	mg/kg
Project: 2350 (2368) Harrison St., Oakland, CA			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CRA-A	**10-06-2231-1-A**	**06/25/10 14:00**	**Solid**	**GC/MS W**	**06/30/10**	**06/30/10 18:33**	**100630L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Xylenes (total)	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		TPPH	ND	0.50	1	
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	104	63-141			1,2-Dichloroethane-d4	110	62-146		
Toluene-d8	95	80-120			1,4-Bromofluorobenzene	90	60-132		
Toluene-d8-TPPH	97	87-111							

Method Blank	099-12-798-1,069	N/A	Solid	GC/MS W	06/30/10	06/30/10 13:08	100630L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Xylenes (total)	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		TPPH	ND	0.50	1	
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	111	63-141			1,2-Dichloroethane-d4	108	62-146		
Toluene-d8	95	80-120			1,4-Bromofluorobenzene	87	60-132		
Toluene-d8-TPPH	96	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 06/29/10
Work Order No: 10-06-2231
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

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
CRA-A	**10-06-2231-1-A**	**06/25/10 14:00**	**Solid**	**ICP 5300**	**06/30/10**	**07/01/10 19:50**	**100630L01**

Comment(s): -Mercury analysis was performed on 07/01/10 12:57 with batch 100630L07.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	2.56	0.750	1		Molybdenum	ND	0.250	1	
Barium	109	0.500	1		Nickel	27.8	0.250	1	
Beryllium	0.372	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	26.6	0.250	1		Thallium	ND	0.750	1	
Cobalt	4.99	0.250	1		Vanadium	22.0	0.250	1	
Copper	11.4	0.500	1		Zinc	23.3	1.00	1	
Lead	6.82	0.500	1						

Method Blank	**099-04-007-7,177**	**N/A**	**Solid**	**Mercury**	**06/30/10**	**06/30/10 21:10**	**100630L07**

Comment(s): -Preparation/analysis for Mercury was performed by EPA 7471A.

Parameter	Result	RL	DF	Qual
Mercury	ND	0.0835	1	

Method Blank	**097-01-002-13,723**	**N/A**	**Solid**	**ICP 5300**	**06/30/10**	**06/30/10 18:36**	**100630L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Lead	ND	0.500	1	
Arsenic	ND	0.750	1		Molybdenum	ND	0.250	1	
Barium	ND	0.500	1		Nickel	ND	0.250	1	
Beryllium	ND	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	ND	0.250	1		Thallium	ND	0.750	1	
Cobalt	ND	0.250	1		Vanadium	ND	0.250	1	
Copper	ND	0.500	1		Zinc	ND	1.00	1	

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates		Date Received:	06/29/10
5900 Hollis Street, Suite A		Work Order No:	10-06-2231
Emeryville, CA 94608-2008		Preparation:	EPA 3050B
		Method:	EPA 6010B

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

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-06-2195-3	Solid	ICP 5300	06/30/10	06/30/10	100630S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	48	52	50-115	7	0-20	3
Arsenic	101	100	75-125	2	0-20	
Barium	108	85	75-125	10	0-20	
Beryllium	99	95	75-125	4	0-20	
Cadmium	98	96	75-125	2	0-20	
Chromium	100	96	75-125	3	0-20	
Cobalt	108	106	75-125	2	0-20	
Copper	109	105	75-125	3	0-20	
Lead	103	99	75-125	4	0-20	
Molybdenum	100	98	75-125	2	0-20	
Nickel	105	102	75-125	3	0-20	
Selenium	97	92	75-125	5	0-20	
Silver	98	84	75-125	15	0-20	
Thallium	103	101	75-125	2	0-20	
Vanadium	104	99	75-125	4	0-20	
Zinc	99	95	75-125	3	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received:	06/29/10
Work Order No:	10-06-2231
Preparation:	EPA 3550B
Method:	EPA 8015B

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

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-06-2200-5	Solid	GC 48	06/29/10	06/30/10	100629S09

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	94	93	64-130	1	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 06/29/10
5900 Hollis Street, Suite A	Work Order No: 10-06-2231
Emeryville, CA 94608-2008	Preparation: EPA 3550B
	Method: EPA 8015B (M)

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

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-06-2200-5	Solid	GC 48	06/29/10	06/30/10	100629S10

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	65	78	64-130	9	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 06/29/10
5900 Hollis Street, Suite A	Work Order No: 10-06-2231
Emeryville, CA 94608-2008	Preparation: EPA 7471A Total
	Method: EPA 7471A

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

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-06-2195-1	**Solid**	**Mercury**	**06/30/10**	**06/30/10**	**100630S07**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	95	95	71-137	1	0-14	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 06/29/10
Work Order No: 10-06-2231
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
10-06-2112-1	Solid	GC/MS W	06/30/10	06/30/10	100630S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	87	88	61-127	1	0-20	
Carbon Tetrachloride	88	91	51-135	3	0-29	
Chlorobenzene	83	83	57-123	1	0-20	
1,2-Dibromoethane	89	88	64-124	1	0-20	
1,2-Dichlorobenzene	69	70	35-131	2	0-25	
1,2-Dichloroethane	83	83	80-120	1	0-20	
1,1-Dichloroethene	83	83	47-143	1	0-25	
Ethylbenzene	85	84	57-129	1	0-22	
Toluene	86	85	63-123	2	0-20	
Trichloroethene	83	83	44-158	1	0-20	
Vinyl Chloride	88	92	49-139	5	0-47	
Methyl-t-Butyl Ether (MTBE)	82	85	57-123	3	0-21	
Tert-Butyl Alcohol (TBA)	82	83	30-168	0	0-34	
Diisopropyl Ether (DIPE)	80	80	57-129	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	82	83	55-127	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	88	89	58-124	1	0-20	
Ethanol	63	57	17-167	10	0-47	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: N/A
Work Order No: 10-06-2231
Preparation: EPA 3050B
Method: EPA 6010B

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

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-13,723	Solid	ICP 5300	06/30/10	06/30/10	100630L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Antimony	97	98	80-120	73-127	1	0-20	
Arsenic	94	95	80-120	73-127	1	0-20	
Barium	106	106	80-120	73-127	1	0-20	
Beryllium	94	94	80-120	73-127	0	0-20	
Cadmium	98	98	80-120	73-127	0	0-20	
Chromium	97	97	80-120	73-127	1	0-20	
Cobalt	107	107	80-120	73-127	1	0-20	
Copper	102	103	80-120	73-127	1	0-20	
Lead	100	101	80-120	73-127	1	0-20	
Molybdenum	97	99	80-120	73-127	1	0-20	
Nickel	104	105	80-120	73-127	1	0-20	
Selenium	91	92	80-120	73-127	1	0-20	
Silver	99	99	80-120	73-127	1	0-20	
Thallium	100	101	80-120	73-127	1	0-20	
Vanadium	99	100	80-120	73-127	1	0-20	
Zinc	100	101	80-120	73-127	1	0-20	

Total number of LCS compounds : 16
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

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 10-06-2231
Emeryville, CA 94608-2008	Preparation: EPA 3550B
	Method: EPA 8015B

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

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-025-1,197	**Solid**	**GC 48**	**06/29/10**	**06/30/10**	**100629B09**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	101	113	75-123	11	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 10-06-2231
Emeryville, CA 94608-2008	Preparation: EPA 3550B
	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
099-12-254-1,280	Solid	GC 48	06/29/10	06/30/10	100629B10

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	105	114	75-123	8	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 10-06-2231
Emeryville, CA 94608-2008	Preparation: EPA 7471A Total
	Method: EPA 7471A

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

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-007-7,177	Solid	Mercury	06/30/10	06/30/10	100630L07

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	94	95	85-121	1	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: N/A
Work Order No: 10-06-2231
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
099-12-798-1,069	Solid	GC/MS W	06/30/10	06/30/10	100630L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	95	95	78-120	71-127	0	0-20	
Carbon Tetrachloride	95	99	49-139	34-154	3	0-20	
Chlorobenzene	99	98	79-120	72-127	1	0-20	
1,2-Dibromoethane	98	101	80-120	73-127	3	0-20	
1,2-Dichlorobenzene	94	94	75-120	68-128	0	0-20	
1,2-Dichloroethane	94	94	80-120	73-127	0	0-20	
1,1-Dichloroethene	90	90	74-122	66-130	1	0-20	
Ethylbenzene	99	98	76-120	69-127	1	0-20	
Toluene	97	96	77-120	70-127	1	0-20	
Trichloroethene	92	96	80-120	73-127	5	0-20	
Vinyl Chloride	94	93	68-122	59-131	0	0-20	
Methyl-t-Butyl Ether (MTBE)	92	94	77-120	70-127	3	0-20	
Tert-Butyl Alcohol (TBA)	109	101	68-122	59-131	8	0-20	
Diisopropyl Ether (DIPE)	90	90	78-120	71-127	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	93	95	78-120	71-127	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	100	100	75-120	68-128	0	0-20	
Ethanol	106	99	56-140	42-154	7	0-20	
TPPH	77	76	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.

Glossary of Terms and Qualifiers

Work Order Number: 10-06-2231

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.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)

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

Please Check Appropriate Box:

- ☐ ENV. SERVICES
- ☐ MOTIVA RETAIL
- ☐ SHELL RETAIL
- ☐ MOTIVA SD&CM
- ☑ CONSULTANT
- ☐ LUBES
- ☐ SHELL PIPELINE
- ☐ OTHER

Print Bill To Contact Name: Peter Schaefer

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

☑ CHECK IF NO INCIDENT # APPLIES

DATE: 6/25/10

PAGE: 1 of 1

PO #:

SAP #: 1 7 3 3 1 8

SAMPLING COMPANY	Conestoga-Rovers & Associates
LOG CODE	
ADDRESS	5900 Hollis Street, Suite A, Emeryville, CA 94608
PROJECT CONTACT (Hardcopy or PDF Report to)	Peter Schaefer
TELEPHONE	510-420-3316
FAX	510-385-0212
E-MAIL	acool@craworld.com
SITE ADDRESS: Street and City	2350 (2368) Harrison St., Oakland
State	CA
GLOBAL ID NO.	TO600102237
EDF DELIVERABLE TO (Name, Company, Office Location)	Brenda Carter, CRA, Emeryville
PHONE NO.	510-420-3343
E-MAIL	shelledf@craworld.com
CONSULTANT PROJECT NO.	60119-95
SAMPLER NAME(S) (Print)	Erin Reinhart-Koylu
LAB USE ONLY	06-2231

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

cc: Kari Dupler, kdupler@craworld.com

~~Call Composite Sample "CRA-A~~ - Follow attached contingent analysis.

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	HCL	HNO3	H2SO4	NONE	Ice OTHER	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	TPH - MO (8015M)	CAM17 Metals - Total (6010)	SVOCs (8270C)	VOCs (8260)	PCBs (8082)		TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
1	CRA-A	6/25/10	2:00	SO					X	1	X	X	X											X	X					

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	Secure location	6/25/10	4:00
[signature]	[signature] CEL	6/28/10	0925
[signature] CSO 6-28-10 1730	[signature]	6/29/10	1145

05/2/06 Revision

2231

Contingent analyses

- Organic lead required if TTLC lead ≥ 13 mg/kg
- Aquatic bioassay required if **any** TPH (gasoline, diesel, or motor oil) ≥ 5,000 mg/kg
- TCLP benzene required if benzene ≥ 10 mg/kg
- TCLP and STLC required for metals per table below

Metal	Trigger level TTLC (mg/kg)	Requirement
Antimony	150	STLC required if TTLC ≥ 150 mg/kg
Arsenic	50/100	STLC required if TTLC ≥ 50 mg/kg; STLC and TCLP required if TTLC ≥ 100 mg/kg
Barium	1,000/2,000	STLC required if TTLC ≥ 1,000 mg/kg; STLC and TCLP required if TTLC ≥ 2,000 mg/kg
Beryllium	7.5	STLC required if TTLC ≥ 7.5 mg/kg
Cadmium	10/20	STLC required if TTLC ≥ 10 mg/kg; STLC and TCLP required if TTLC ≥ 20 mg/kg
Chromium	50/100	STLC required if TTLC ≥ 50 mg/kg; STLC and TCLP required if TTLC ≥ 100 mg/kg
Cobalt	800	STLC required if TTLC ≥ 800 mg/kg
Copper	250	STLC required if TTLC ≥ 250 mg/kg
Lead	50/100	STLC required if TTLC ≥ 50 mg/kg; STLC and TCLP required if TTLC ≥ 100 mg/kg
Mercury	2/4	STLC required if TTLC ≥ 2 mg/kg; STLC and TCLP required if TTLC ≥ 4 mg/kg
Molybdenum	350	STLC required if TTLC ≥ 350 mg/kg
Nickel	200	STLC required if TTLC ≥ 200 mg/kg
Selenium	10/20	STLC required if TTLC ≥ 10 mg/kg; STLC and TCLP required if TTLC ≥ 20 mg/kg
Silver	50/100	STLC required if TTLC ≥ 50 mg/kg; STLC and TCLP required if TTLC ≥ 100 mg/kg
Thallium	70	STLC required if TTLC ≥ 70 mg/kg
Vanadium	240	STLC required if TTLC ≥ 240 mg/kg
Zinc	2,500	STLC required if TTLC ≥ 2,500 mg/kg

(221)

GSO

WebShip > > > > >

800-322-5555 www.gso.com

Ship From:
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:
CRA

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 514439791

NPS

ORC **D**

GARDEN GROVE

D92843A

82700553

Print Date : 06/28/10 15:29 PM

Package 1 of 1

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

LABEL INSTRUCTIONS:

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

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

STEP 2 - Fold this page in half.

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

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

ADDITIONAL OPTIONS:

Send Label Via Email | Create Return Label

TERMS AND CONDITIONS:

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

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-06-2231

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: CRA DATE: 06/29/10

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

Temperature 2.3 °C + 0.5 °C (CF) = 2.8 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only **Initial:** JP

CUSTODY SEALS INTACT:

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

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** 8

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 (P) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** 8

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

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:**

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-06-2 2 3 1

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

- ☐ **Sample(s)/Container(s) NOT RECEIVED but listed on COC**
- ☐ **Sample(s)/Container(s) received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s) used** – list test
- ☐ **Improper preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☑ **Sample label(s) do not match COC** – Note in comments
  - ☑ **Sample ID**
  - ☐ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☐ **# of Container(s)**
  - ☐ **Analysis**
- ☐ **Sample container(s) compromised** – Note in comments
  - ☐ **Water present in sample container**
  - ☐ **Broken**
  - ☐ **Without Label(s)**
- ☐ **Air sample container(s) compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Very low in volume**
  - ☐ **Leaking (Not transferred - duplicate bag submitted)**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

Comments:

labeled as CRA-3
collection time: 0200
collection date: 6/25/10

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: SP 06/29/10