CONESTOGA-ROVERS & ASSOCIATES

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www.CRAworld.com

TRANSMITTAL

DATE: June 26, 2009

REFERENCE NO.: 060119

PROJECT NAME: 2350 (2368) Harrison Street, Oakland

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

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1	Subsurface Investigation Report

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

Completed by: Peter Schaefer Signed: Peter Schaefer

Filing: **Correspondence File**

Denis L. Brown
Shell Oil Products US
HSE – Environmental Services
20945 S. Wilmington Ave.
Carson, CA 90810-1039
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Email denis.l.brown@shell.com

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

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

Dear Mr. Wickham:

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

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

Sincerely,

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:
Conestoga-Rovers & Associates

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JUNE 26, 2009
REF. NO. 060119 (8)
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1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) to document the recent subsurface investigation at this site. The purpose of the investigation was to further assess the horizontal and vertical extent of petroleum hydrocarbons in soil at the location of the former waste oil tank and adjacent to the former hydraulic lifts, to assess the horizontal extent of petroleum hydrocarbons in groundwater down gradient of the site, and to assess the potential for soil gas migration to indoor air. CRA followed the scope of work presented in CRA's November 12, 2008 work plan, which was approved by Alameda County Health Care Services Agency (ACHCSA) in their December 5, 2008 letter.

Due to interference with underground utilities, one of the proposed soil borings (B-5) could not be safely installed. In addition, due to ongoing access agreement negotiations with the City of Oakland for the Oakland Senior Center property, two of the proposed hydropunch borings (HP-3 and HP-4) could not be drilled. CRA sampled soil vapor probes SVP-1 through SVP-3 on May 28, 2009, and these results will be provided under separate cover.

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 EXECUTIVE SUMMARY

- Two hydropunch borings (HP-1 and HP-2) were drilled to collect groundwater grab samples down gradient of the site. Proposed borings HP-3 and HP-4 could not be drilled due to ongoing access agreement negotiations with the City of Oakland for the Oakland Senior Center property.
- Three soil borings (B-1, B-2, and B-3) were drilled to collect shallow soil samples in the area of the former waste oil tank.
- One soil boring (B-4) was drilled to collect shallow soil samples in the area adjacent to the former hydraulic lifts. Proposed boring B-5 could not be safely drilled due to interference with underground utilities at the proposed location.
- Three soil vapor probes (SVP-1 through SVP-3) were installed. CRS sampled soil vapor on May 28, 2009, and the results will be provided under separate cover.
- 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 exceed the ESLs.
- No BTEX or fuel oxygenates were detected in grab groundwater samples collected from the hydropunch borings. Only TPHg (up to 14,000 µg/l) and TPHd (up to 58,000 µg/l) exceeded the ESLs in the two samples; no other constituents of concern exceeded ESLs. 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. During the first quarter of 2009 on-site wells contained concentrations of TPHg up to 6,100 µg/l, TPHd concentrations up to 1,700 µg/l, and O&G concentrations up to 1,000 µg/l. CRA notes 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.

3.0 SOIL BORINGS

3.1 PERMIT

CRA obtained a drilling permit from Alameda County Public Works Agency (ACPWA). A copy is included in Appendix B.

3.2 FIELD DATES

May 19 through May 21, 2009.

3.3 DRILLING COMPANY

Gregg Drilling & Testing, Inc.

3.4 PERSONNEL PRESENT

Geologist Erin Reinhart-Koylu directed the drilling activities under the supervision of California Professional Geologist Peter Schaefer.

3.5 DRILLING METHOD

Geoprobe®.

3.6 NUMBER OF BORINGS

Four soil borings were drilled (B-1 through B-4). Proposed boring B-5 could not be safely installed due to interference with underground utilities at the proposed location.

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

3.7 BORING DEPTHS

16 feet below grade (fbg) with Geoprobe®. Each boring was then backfilled with neat grout and capped with concrete.

3.8 GROUNDWATER DEPTH

Groundwater depth was not measured in the soil borings. Saturated soils were initially encountered at 7 fbg in B-1 and at 5 fbg in B-2.

3.9 WASTE 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.

4.0 HYDROPUNCH BORINGS

4.1 PERMIT

CRA obtained a drilling permit from ACPWA and encroachment and obstruction permits from the City of Oakland (Appendix B).

4.2 FIELD DATES

May 19 through May 20, 2009.

4.3 DRILLING COMPANY

Gregg Drilling & Testing, Inc.

4.4 PERSONNEL PRESENT

Geologist Erin Reinhart-Koylu directed the drilling activities under the supervision of California Professional Geologist Peter Schaefer.

4.5 DRILLING METHOD

Hydropunch.

4.6 NUMBER OF BORINGS

Two soil borings (HP-1 and HP-2) were drilled for grab-groundwater sampling. Proposed borings HP-3 and HP-4 could not be drilled due to ongoing access agreement negotiations with the City of Oakland for the Oakland Senior Center property.

The hydropunch screen intervals for grab groundwater samples and depth to first-encountered groundwater are shown on the boring logs contained in Appendix C. The boring locations are shown on Figure 2.

4.7 BORING DEPTHS

10 fbg.

4.8 GROUNDWATER DEPTH

Groundwater was first-encountered at 4 to 5 fbg.

4.9 WASTE 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.

5.0 SOIL VAPOR PROBE INSTALLATION AND SAMPLING

5.1 PERMIT

CRA obtained a drilling permit from ACPWA (Appendix B).

5.2 FIELD DATES

May 18, May 19, and May 21, 2009.

5.3 DRILING COMPANY

Gregg Drilling & Testing, Inc.

5.4 PERSONNEL PRESENT

Geologist Erin Reinhart-Koylu directed the probe installation working under the supervision of California Professional Geologist Peter Schaefer.

5.5 DRILLING METHOD

Air-knife.

5.6 NUMBER OF PROBES

CRA installed three soil vapor probes (SVP-1 through SVP-3). The probe specifications and soil types encountered are described on the boring logs contained in Appendix C. The probe locations are shown on Figure 2.

5.7 VAPOR POINT MATERIALS

The vapor probes were constructed using ¼-inch diameter Teflon tubing attached to 1-inch length plastic screen intervals, and #2/12 Monterey sand filter pack. Probe diagrams are provided with boring logs in Appendix C.

5.8 SCREENED INTERVALS

4.4 to 4.5 fbg.

5.9 SOIL VAPOR SAMPLING

CRA sampled soil vapor probes SVP-1 through SVP-3 on May 28, 2009. Soil vapor sampling results will be provided under separate cover.

5.10 WASTE 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.

6.0 FINDINGS

6.1 SOIL

The soil chemical analytical data are summarized in Tables 1 and 2, and selected analytical results are presented on Figure 3. Laboratory analytical reports are presented in Appendix D.

6.2 GROUNDWATER

The groundwater grab sample chemical analytical data are summarized in Table 3, and total petroleum hydrocarbons as gasoline (TPHg), total petroleum hydrocarbons as diesel (TPHd), benzene, toluene, ethylbenzene, xylenes (BTEX), fuel oxygenates, and oil and grease (O&G) analytical results are presented on Figure 4. Laboratory analytical reports are presented in Appendix D.

6.3 SOIL VAPOR

As discussed above, soil vapor sampling results will be submitted to ACHCSA under separate cover.

7.0 CONCLUSIONS

No ethylbenzene, toluene, xylenes, fuel oxygenates, or lead scavengers were detected in soil samples collected during this investigation. Only the TPHg (up to 920 milligrams per kilogram [mg/kg]), TPHd (up to 700 mg/kg), and benzene (up to 2.4 mg/kg) detections exceed 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.

Four of the samples from borings B-1 through B-3, drilled in the area of the former waste oil tank, contained n-propylbenzene (up to 2.5 mg/kg in B-3-10'). No other solvents, including 1,1,2,2-tetrachloroethane, which was detected in soil samples from well boring S-2, were detected in soil samples from these borings. This suggests the former waste oil tank is not the source of the 1,1,2,2-tetrachloroethane previously detected.

Soil samples from boring B-4, in the area adjacent to the former hydraulic lifts, contained TPHg concentrations which exceed ESLs (up to 200 mg/kg) and also contained total petroleum hydrocarbons as motor oil (TPHmo), and O&G. These concentrations are lower than those found in other borings at the site, indicating that the former hydraulic lifts are not a likely source of other TPH and O&G detections at the site.

No BTEX or fuel oxygenates were detected in the two shallow (4 to 10 fbg) grab groundwater samples collected from the hydropunch 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; no other constituents of concern exceeded ESLs. O&G (up to 715,000 µg/l) was also detected in both samples. The RWQCB guidance[1] 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 would be the appropriate related chemicals, and no BTEX concentrations were detected in shallow groundwater. The concentrations of TPHg, TPHd, and O&G in the grab groundwater samples are also considerably higher than concentrations detected in the on-site wells and were highest in HP-2, which was the farthest from the site. During the first quarter of 2009 on-site wells contained up to 6,100 µg/l TPHg, up to 1,700 µg/l TPHd, and up to 1,000 µg/l O&G. This suggests that the site is not the source and that there is or was an off-site source.

---

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]

8.0 RECOMMENDATIONS

Based on these results, no additional monitoring wells or soil borings are proposed as part of the former Shell site investigation, and we recommend suspending our efforts to reach an access agreement with the City of Oakland to conduct a hydropunch investigation on the Oakland Senior Center property. We anticipate providing additional recommendations with the soil vapor probe sampling results.

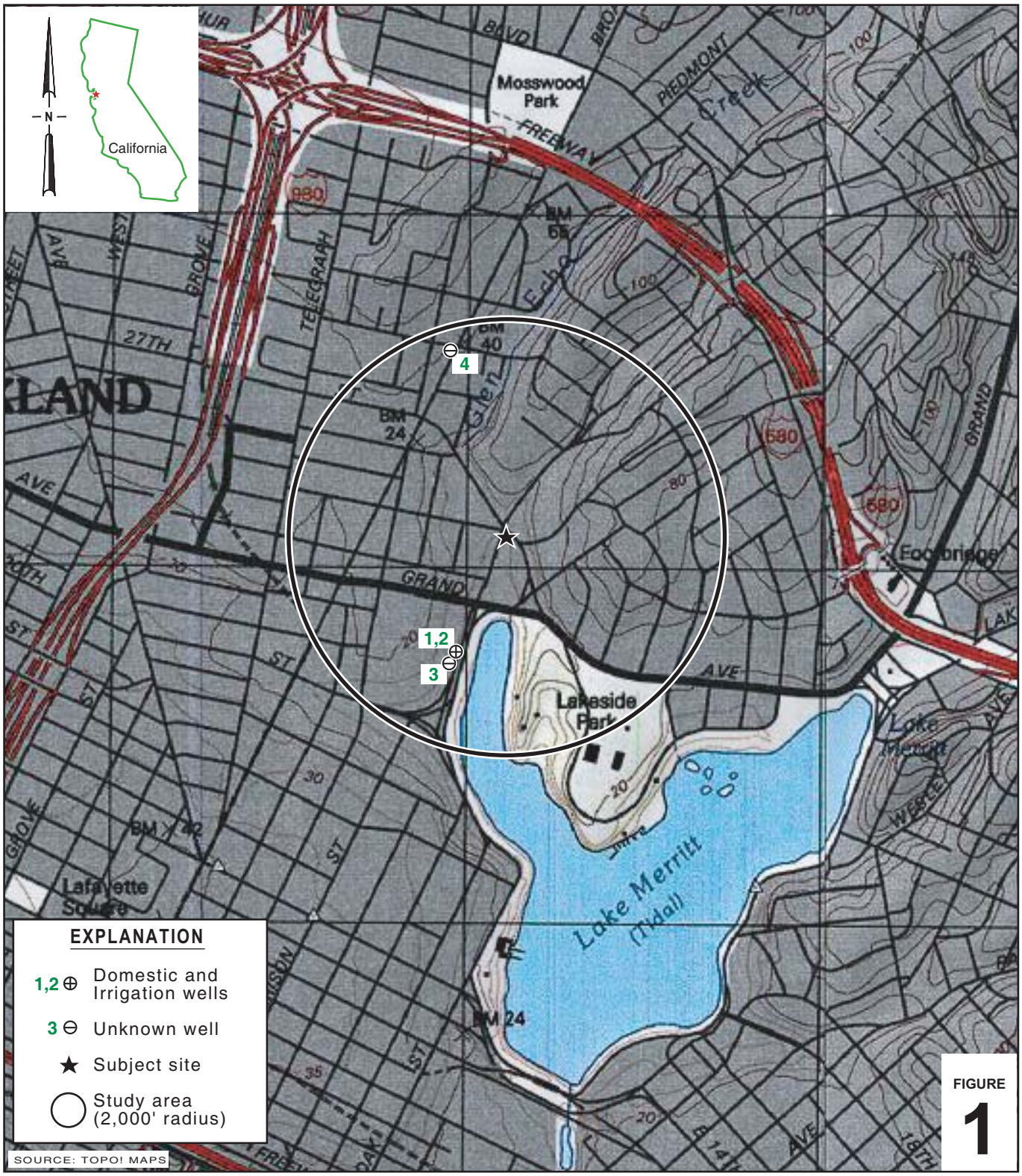
All of which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Peter Schaefer, CEG, CHG

Aubrey K. Cool, PG

FIGURES

10/31/08



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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

06/12/09

Site Plan

EXPLANATION

- B-1 — Soil boring location
- B-5 — 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

Former Shell Station
2368 Harrison St.

7-11 Store Building
2350 Harrison St.

HARRISON STREET

BAY PLACE

Underground Culvert & Storm Drain (Approx.)

Islands
Light Pole
Former Dispenser Island
Former USTs
Former Waste Oil UST
Former Station Building
Former Tire/Wheel Hoist
Former Drive-on Hoist
Fenced Enclosure
Lamp Post
Sidewalk
Planter
Driveway

S-1 S-2 S-3 S-4 S-5 S-6
B-1 B-2 B-3 B-4 B-5
SVP-1 SVP-2 SVP-3
HP-1 HP-2

Beck BMW
Parking Lot
Rouse Tire
Rouse Tire
Offices
Parking Lot
Former Hotel (Apt. Bldg.)

N

0 10 20 40
Scale (ft)

FIGURE
2

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

CONESTOGA-ROVERS & ASSOCIATES

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

06/26/09

EXPLANATION

- **B-1** Soil boring location
- **B-5** 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

Sample ID	Sample Date	Depth (fbg)	TPHd	TPHmo	O&G
B-4-5.5'	5/20/2009	5.5	**200**	230	190
B-4-10'	5/20/2009	10	170	140	68
B-4-15'	5/20/2009	15	10	<25	<10

Soil sample ID, date, and depth in feet below grade (fbg) and sample results, in milligrams per kilogram.
<X = Not reported at detection limit X

Sample ID	Sample Date	Depth (fbg)	TPHg	TPHd	Benzene	O&G
B-3-5.5'	5/21/2009	5.5	56	6.4	**2.4**	38
B-3-10'	5/21/2009	10	**920**	44	<2.5	230
B-3-15'	5/21/2009	15	2.1	<5.0	<0.0050	<10

Sample ID	Sample Date	Depth (fbg)	TPHg	TPHd	Benzene	O&G
B-1-5.5'	5/20/2009	5.5	100	**700**	<0.50	3,000
B-1-7'	5/20/2009	7	**230**	**510**	<10	290
B-1-10'	5/20/2009	10	170	81	<0.50	<10
B-1-13'	5/20/2009	13	160	89	<0.50	11
B-1-15'	5/20/2009	15	**180**	100	<0.50	<10

Sample ID	Sample Date	Depth (fbg)	TPHg	TPHd	Benzene	O&G
B-2-5.5'	5/21/2009	5.5	64	<5.0	**1.5**	40
B-2-7'	5/21/2009	7	2.8	**190**	<0.0050	600
B-2-10'	5/21/2009	10	**870**	39	<2.0	<10
B-2-15'	5/21/2009	15	**200**	5.2	<0.50	24

Wheelworks Auto Repair Shop
Median
Underground Culvert & Storm Drain (Approx.)
HARRISON STREET
Light Pole
Driveway
Former Dispenser Islands
S-3
Former Shell Station
2368 Harrison St.
Former Dispenser Island
S-4
S-2
S-6
B-3
Former USTs
B-4
B-1
SVP-1
B-2
SVP-2
SVP-3
Sidewalk
Lamp Post
Former Waste Oil UST
Former Station Building
7-11 Store Building
2350 Harrison St.
S-5
Fenced Enclosure
B-5
S-1
SAN
Planter
BAY PLACE
Beck BMW
Parking Lot
N
0 10 20 40
Scale (ft)

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Soil Concentrations Map

CONESTOGA-ROVERS & ASSOCIATES

Former Shell Service Station

2350 (2368) Harrison Street
Oakland, California

FIGURE
3

06/12/09

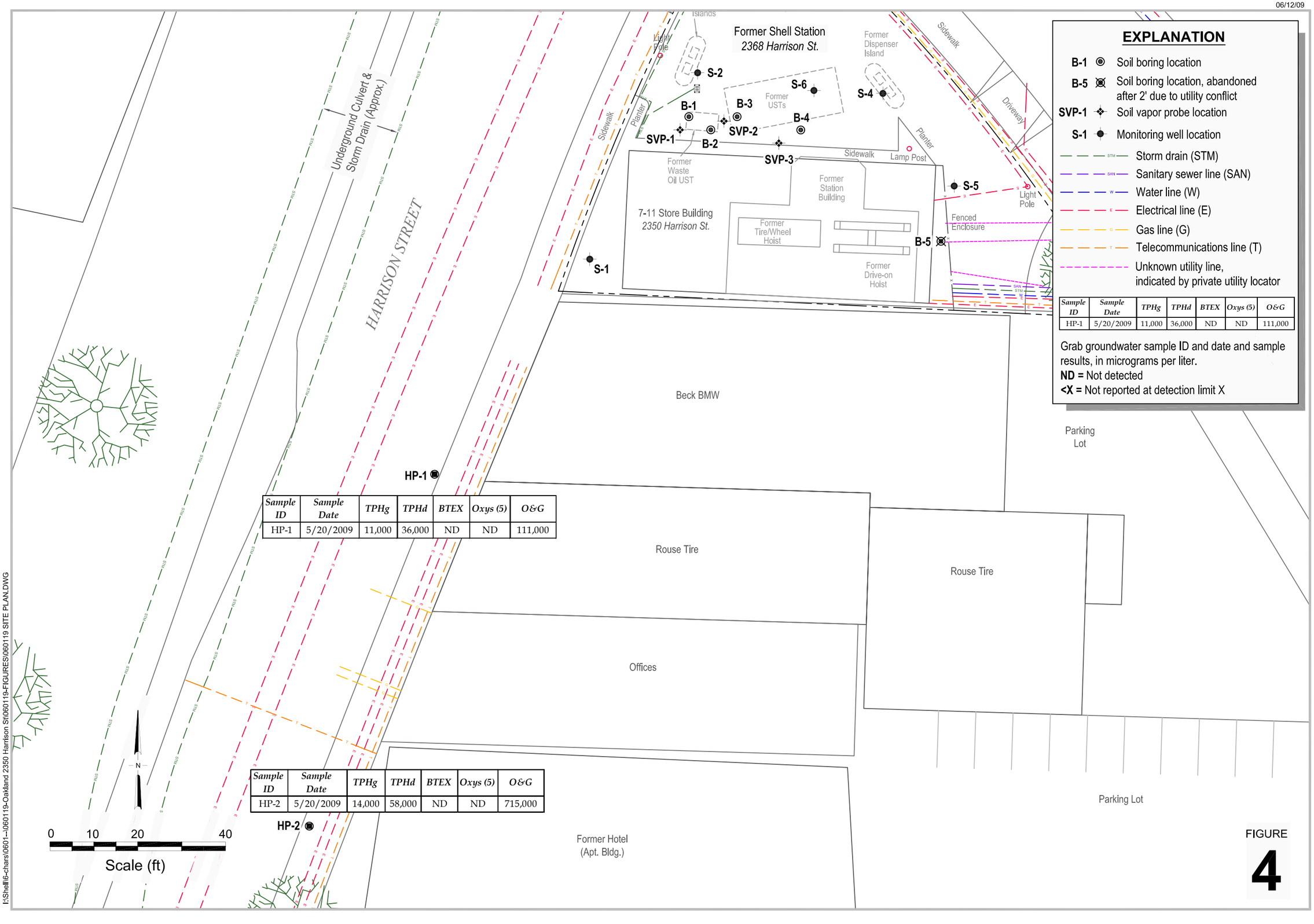
Grab Groundwater Concentrations Map

EXPLANATION

- B-1 — Soil boring location
- B-5 — 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	TPHg	TPHd	BTEX	Oxys (5)	O&G
HP-1	5/20/2009	11,000	36,000	ND	ND	111,000

Grab groundwater sample ID and date and sample results, in micrograms per liter.
ND = Not detected
<X = Not reported at detection limit X



Sample ID	Sample Date	TPHg	TPHd	BTEX	Oxys (5)	O&G
HP-1	5/20/2009	11,000	36,000	ND	ND	111,000

Sample ID	Sample Date	TPHg	TPHd	BTEX	Oxys (5)	O&G
HP-2	5/20/2009	14,000	58,000	ND	ND	715,000

FIGURE
4

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

CONESTOGA-ROVERS & ASSOCIATES

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TABLES

TABLE 1

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

Sample ID	*Date*	*Depth (fbg)*	*O&G*	*TPHg*	*TPHd*	*TPHmo*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*Oxygenates*	*1,2-DCA*	*EDB*	*Cd*	*Cr*	*Pb*	*Ni*	*Zn*	*PCBs*
S-1-5.5	6/5/2008	5.5	<10	5.4	21 a	26	<0.0050	<0.0050	<0.0050	<0.0050	ND	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA
S-1-7.5	6/5/2008	7.5	130	860	120 a	99	<0.0050	<0.0050	<0.0050	0.0086	ND	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA
S-2-5.5	6/5/2008	5.5	<10	<0.50	13 a	<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	**2,700**	**270 a**	<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	**1,900**	150 a	<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	18	14 a	<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	5.9	22 a	<25	<0.0050	<0.0050	<0.0050	<0.0050	ND	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA
S-3-10	6/4/2008	10	<10	<0.50	11 a	<25	<0.0050	<0.0050	<0.0050	<0.0050	ND	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA
S-4-5	6/4/2008	5	600	6.8	**630 a**	660	0.012	<0.0050	<0.0050	0.012	ND	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA
S-4-10	6/4/2008	10	28	<0.50	41 a	54	<0.0050	<0.0050	<0.0050	<0.0050	ND	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA
S-5-6.0	6/5/2008	6	8,600	**2,300**	**22,000 a**	23,000	0.016	0.0063	0.0082	0.0485	ND	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA
S-5-9.0	6/5/2008	9	<10	<0.50	42 a	49	<0.0050	<0.0050	0.014	0.0094	ND	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA
S-5-12.5	6/5/2008	12.5	<10	<0.50	8.7 a	<25	<0.0050	<0.0050	<0.0050	<0.0050	ND	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA
S-5-15.5	6/5/2008	15.5	<10	<0.50	25 a	37	<0.0050	<0.0050	<0.0050	<0.0050	ND	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA
S-6-6.0	6/5/2008	6	140	9.2	53 a	85	<0.0050	<0.0050	<0.0050	<0.0050	ND	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA
S-6-7.5	6/5/2008	7.5	24	12	39 a	44	<0.0050	<0.0050	<0.0050	<0.0050	ND	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA
B-1-5.5'	5/20/2009	5.5	3,000	100	**700 a**	NA	<0.50	<0.50	<0.50	<0.50	ND	<0.50	<0.50	NA	NA	NA	NA	NA	NA
B-1-7'	5/20/2009	7	290	**230**	**510 a**	NA	<10	<10	<10	<10	ND	<10	<10	NA	NA	NA	NA	NA	NA
B-1-10'	5/20/2009	10	<10	170	81 a	NA	<0.50	<0.50	<0.50	<0.50	ND	<0.50	<0.50	NA	NA	NA	NA	NA	NA
B-1-13'	5/20/2009	13	11	160	89 a	NA	<0.50	<0.50	<0.50	<0.50	ND	<0.50	<0.50	NA	NA	NA	NA	NA	NA
B-1-15'	5/20/2009	15	<10	**180**	100 a	NA	<0.50	<0.50	<0.50	<0.50	ND	<0.50	<0.50	NA	NA	NA	NA	NA	NA
B-2-5.5'	5/21/2009	5.5	40	64	<5.0	NA	**1.5**	<0.50	<0.50	<0.50	ND	<0.50	<0.50	NA	NA	NA	NA	NA	NA
B-2-7'	5/21/2009	7	600	2.8	**190 a**	NA	<0.0050	<0.0050	<0.0050	<0.0050	ND	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA
B-2-10'	5/21/2009	10	<10	**870**	39 a	NA	<2.0	<2.0	<2.0	<2.0	ND	<2.0	<2.0	NA	NA	NA	NA	NA	NA

TABLE 1

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

Sample ID	*Date*	*Depth (fbg)*	*O&G*	*TPHg*	*TPHd*	*TPHmo*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*Oxygenates*	*1,2-DCA*	*EDB*	*Cd*	*Cr*	*Pb*	*Ni*	*Zn*	*PCBs*
B-2-15'	5/21/2009	15	24	**200**	5.2 a	NA	<0.50	<0.50	<0.50	<0.50	ND	<0.50	<0.50	NA	NA	NA	NA	NA	NA
B-3-5.5'	5/21/2009	5.5	38	56	6.4 a	NA	**2.4**	<0.50	0.87	<0.50	ND	<0.50	<0.50	NA	NA	NA	NA	NA	NA
B-3-10'	5/21/2009	10	230	**920**	44 a	NA	<2.5	<2.5	<2.5	<2.5	ND	<2.5	<2.5	NA	NA	NA	NA	NA	NA
B-3-15'	5/21/2009	15	<10	2.1	<5.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	ND	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA
B-4-5.5'	5/20/2009	5.5	190	NA	**200 a**	230	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-4-10'	5/20/2009	10	68	NA	170 a	140	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-4-15'	5/20/2009	15	<10	NA	10	<25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Shallow Soil (≤10 fbg) ESL [b]:			–	180	180	–	0.27	9.3	4.7	11	Varies	0.48	0.044	7.4	–	750	150	600	0.74
Deep Soil (>10 fbg) ESL [b]:			–	180	180	–	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 miligrams per kilograms (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)
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B
TPHd = Total petroleum hydrocarbons as diesel analyzed by EPA Method 8015B
TPHmo = Total petroleum hydrocarbons as motor oil analyzed by EPA Method 8015B Modified
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
TRPH - Total recoverable petroleum hydrocabons analyzed by EPA Method 418.1M
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 constiuents
<x = Not detected at reporting limit x
NA = Not analyzed

TABLE 1

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

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

ND = Not detected; see laboratory analytical report for constituent-specific reporting limits
ESL = Environmental screening level
-- = 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.

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]).

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	NA	NA
B-1-7'	5/20/2009	7	<250	<10	<10	<10	<10	<10	<10	<100	NA	NA
B-1-10'	5/20/2009	10	<12	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	NA	NA
B-1-13'	5/20/2009	13	<12	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	NA	NA
B-1-15'	5/20/2009	15	<12	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	NA	NA
B-2-5.5'	5/21/2009	5.5	<12	<0.50	<0.50	<0.50	<0.50	0.57	<0.50	<5.0	NA	NA
B-2-7'	5/21/2009	7	<0.12	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	NA	NA
B-2-10'	5/21/2009	10	<50	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<20	NA	NA
B-2-15'	5/21/2009	15	<12	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	NA	NA
B-3-5.5'	5/21/2009	5.5	<12	<0.50	<0.50	<0.50	<0.50	0.75	<0.50	<5.0	NA	NA
B-3-10'	5/21/2009	10	<62	<2.5	<2.5	<2.5	<2.5	2.5	<2.5	<25	NA	NA
B-3-15'	5/21/2009	15	<0.12	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	NA	NA
Shallow Soil (≤10 fbg) ESL [b]:			0.5	—	—	1.0	—	—	0.6	2.8	—	0.25
Deep Soil (>10 fbg) ESL [b]:			0.5	—	—	2.5	—	—	16	4.8	—	0.25

Notes:

All results in miligrams per kilograms (mg/kg) unless otherwise indicated.

TABLE 2

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

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

NA = Not analyzed

ESL = Environmenal screening level

--- = 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]).

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

TABLE 3

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*
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
ESL [a]:		--	210	210	46	130	43	100	1,800	18,000	--	--	--

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
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
ESL = Environmental screening level
<x = Not detected at reporting limit x
-- = No applicable ESL
Data in **BOLD** equals or exceeds applicable RWQCB ESL

a = 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]).

APPENDIX A

SITE HISTORY

SITE HISTORY

March 1977 Underground Storage Tank (UST) Removal: According to Alameda County Health Care Services Agency (ACHCSA), Shell Oil (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 ACHCSA stated that no documentation of the UST removal was available.

November 1992 Construction Activities: 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.

March 1993 Soil Borings: 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.

June 2008 Monitoring Well Installation: 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.

Groundwater Monitoring: Quarterly groundwater monitoring was initiated during the second quarter of 2008. Groundwater gradient and flow direction have been variable. First quarter 2009 groundwater samples from the wells contained up to 6,100 micrograms per liter (µg/l) TPHg, 1,700 µg/l TPHd, 1,000 µg/l oil and grease, 270 µg/l benzene, 69 µg/l ethylbenzene, 6.3 µg/l toluene, 6.8 µg/l xylenes, 180 µg/l tertiary-butyl alcohol (TBA), 26 µg/l diisopropyl ether (DIPE), 14 µg/l isopropylbenzene, 7.6 µg/l p-isopropyltoluene, and 14 µg/l n-propylbenzene. Since the initiation of quarterly groundwater monitoring, no total petroleum hydrocarbons as motor oil (TPHmo), lead scavengers, or methyl tertiary-butyl ether (MTBE) have been detected in any of the groundwater samples. TPHg, TPHd, benzene,

and ethylbenzene concentrations exceed the RWQCB 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: 04/27/2009 By jamesy

Permit Numbers: W2009-0326 to W2009-0329
Permits Valid from 04/27/2009 to 04/30/2009

Application Id: 1239313530908
City of Project Site: Oakland
Site Location: 2350 (2368) Harrison St., Oakland, CA
Project Start Date: 04/27/2009
Completion Date: 04/30/2009
Assigned Inspector: Contact Vicky Hamlin at (510) 670-5443 or vickyh@acpwa.org

Applicant:	Conestoga-Rovers & Associates - Erin Reinhart-Koylu 5900 Hollis St., Suite A, Emeryville, CA 94608	**Phone:** 510-420-0700
Property Owner:	Richard Burge 490 Grand Ave, Suite 200, Oakland, CA 94610	**Phone:** 510-452-1433
Client:	Denis Brown Shell Oil Products US 20945 S. Wilmington Ave, Carson, CA 90810	**Phone:** 707-865-0251
Contact:	Erin Reinhart-Koylu	**Phone:** 510-420-3372 **Cell:** 510-385-0074

Total Due: $1265.00
Receipt Number: WR2009-0157 **Total Amount Paid:** $1265.00
Payer Name : Conestoga Rovers and Associates Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Well Construction-Vapor Monitoring Well-Vapor Monitoring Well - 3 Wells
Driller: Gregg Drilling - Lic #: 485165 - Method: other **Work Total: $1035.00**

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2009-0326	04/27/2009	07/26/2009	SVP-1	2.00 in.	0.25 in.	3.50 ft	5.00 ft
W2009-0327	04/27/2009	07/26/2009	SVP-2	2.00 in.	0.25 in.	3.50 ft	5.00 ft
W2009-0328	04/27/2009	07/26/2009	SVP-3	2.00 in.	0.25 in.	3.50 ft	5.00 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. Permitte, 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.

3. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or 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.

4. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.

5. 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.

6. 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.

7. Minimum surface seal thickness is two inches of cement grout placed by tremie

8. Minimum seal (Neat Cement seal) depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.

9. 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.

Borehole(s) for Investigation-Environmental/Monitorinig Study - 9 Boreholes
Driller: Gregg Drilling - Lic #: 485165 - Method: other **Work Total: $230.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2009-0329	04/27/2009	07/26/2009	9	2.00 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. 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.

6. 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.

7. 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# CP09075 Job Site 2332 HARRISON ST Parcel# 010 -0768-005-00

Descrptn permit to do soil/water sampling in creek areas Filed 04/17/09

JOB SITE

Category 2 - Exterior work

Requested Starting Date 05/19/09

Estimated Complete Date 08/19/09

	Applcnt	Phone#	Lic#	--License Classes--
Owner MULUGETA BENYAM & PAULA R		(650)328-7178		
ontractor				
Arch/Engr CONESTOGA ROVERS AND ASSOC.				
Agent ERIN REINHART	X	(510)420-0700		
pplic Addr 5900 HOLLIS ST, EMERYVILLE,CA, 94608				

$548.51 TOTAL FEES PAID AT FILING $.00 TOTAL FEES PAID AT ISSUANCE

$66.00	Applic	$249.00	Permit
$163.00	Process	$45.41	Rec Mgmt
$.00	Gen Plan	$.00	Invstg
$.00	Other	$25.10	Tech Enh

Permit Issued By _____ Date: 4/17/09

Finaled By _____ Date: _____

ADDRESS

DIST

CITY OF OAKLAND

PAID 4/17/09 mw

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# X0900449 Job Site 2332 HARRISON ST Parcel# 010 -0768-005-00

Descr permit to drill for water sampling Filed 04/17/09

Work Type EXCAVATION-PRIVATE P

USA # Util Co. Job #
Util Fund #:

JOB SITE

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

Applic Addr 950 HOWE RD, MARTINEZ, CA., 94553

$419.99 TOTAL FEES PAID AT ISSUANCE

$66.00 Applic	$300.00 Permit
$.00 Process	$34.77 Rec Mgmt
$.00 Gen Plan	$.00 Invstg
$.00 Other	$19.22 Tech Enh

Permit Issued By _____ Date: 4/17/09

Finaled By _____ Date: _____

ADDRESS

DIST

CITY OF OAKLAND

PAID
4/17/09 CW

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.

Permit No. X0900449 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 3707 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, & 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. I am fully authorized by the owner or to perform the work authorized by this permit.

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

ADDRESS

DIST.

CITY OF OAKLAND
Office of Planning and Building

EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERING

PAGE 2 of 2

Permit valid for 90 days from date of issuance.

PERMIT NUMBER X 0 9 0 0 4 4 9 *	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 483165	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 [signature] ☐ Agent for ☐ Contractor ☒ Owner Date 4/17/09

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 [signature]		DATE ISSUED 4/17/09	

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# OB090274 Job Site 2332 HARRISON ST Parcel# 010 -0768-005-00

permit to block parking and trafic lanes 200ft each lane Filed 04/17/09

JOB SITE

Linear Feet: 400
Expiration: 05/20/09

Nbr of days: 2
Effective: 05/19/09

SHORT TERM NON-METERED

	Applcnt	Phone#	Lic#	--License Classes--
Owner MULUGETA BENYAM & PAULA R		(650)328-7178		
Contractor				
Arch/Engr CONESTOGA ROVERS AND ASSOC				
Agent ERIN REINHART	X	(510)420-0700		
Applic Addr 5900 HOLLIS ST, EMERYVILLE, CA 94608				

$672.44 TOTAL FEES PAID AT FILING $.00 TOTAL FEES PAID AT ISSUANCE

$66.00 Applic	$520.00 Permit		
$.00 Process	$55.67 Rec Mgmt		
$.00 Gen Plan	$.00 Invstg		
$.00 Other	$30.77 Tech Enh		

TCP needs to be approved by Transportation every 30 days. Whenever deviated from the previously approved plan.

Applicant: _____

Issued by: _____ 4/17/09

CITY OF OAKLAND

PAID 4/17/09 WM

ADDRESS:

DIST:

CITY OF OAKLAND

Community Economic Development Agency • 250 Frank H. Ogawa Plaza • Suite 4344 • Oakland, California 94612-2033
Transportation Services Division
Office (510) 238-3466
FAX (510) 238-7415
TDD (510) 839-6451

Traffic Engineering Services Analysis Fee Invoice

Date: April 14, 2009

TSD Invoice # : 09-0040

To: Erin Reinhart
Company: Conestoga Rovers & Associates
Address: 5900Hollis Street, Ste. A, Emeryville, CA 94608
Phone: 510-420-0700

Created/Received By: Joe Watson

Location	Description of Work	Project Name / Permit #	# of Hours *
Harrison Street / 23rd Street	Lane Closure		1
		Total Hours	**1**
		TSD Service Rate	**$ 123.00**
		Total Fee	**$ 123.00**

* - minimum 1 hour service

FOR CITY USE ONLY	
Cost Center No.	W659
Organization No.	88363
Account No.	45119
Fund No.	1750

Cc: Rosalie

P:\!Traffic\obstruction_permit\Walk-Ins Invoices\2004\TSD-09-0040.xls

APPLICATION FOR TRAFFIC CONTROL PLAN

Transportation Services Fee: $123/hour
(Check or Money Order Only)

City of Oakland

Community & Economic Development Agency
Transportation Services Division

Check the box that apply:
- [x] New Application (Utility, Excavation)
- [ ] Renewal Application
- [ ] New Development w/ Mgmt Plan
- [ ] City of Oakland Project

Please read the following:

1. **Processing time for a Traffic Control Application is a minimum of 10 working days.**
2. Traffic Control review is scheduled only on Tuesdays and Thursdays from 9:00 am thru 11:30am by appointment only.
3. A scheduled appointment by phone or email with a TSD staff member is necessary to discuss any and all traffic control application a
4. Please call ahead to confirm that the traffic control application is ready for pickup @ 510-238-3467.
5. Businesses and residences adjacent to the work area must be provided 72 hour advance notice.
6. A completed traffic control application may be faxed to (510) 238-7415.
7. Incomplete traffic control applications will not be processed and will be returned to applicant.
8. The initial approval for a traffic control plan is 1 month, the renewal submittal may be approved up to 3 months.
9. The traffic control provision dates cannot be changed or extended if work has already commenced.
10. Upon receiving TSD approval of the traffic control plan, the applicant (or contractor) shall proceed to the Building Services Division o obtain an "Obstruction Permit." CEDA is located at 250 Frank Ogawa Plaza, 2nd Floor, Oakland, CA 94612.

Contact Person: Erin Reinhart-Koylu Phone: (510) 420-0700

Name of Company: Conestoga-Rovers & Associates Fax: (510) 420-3372

Address of Company: 5900 Hollis Street, Suite A, Emeryville, CA 94608

Describe type of work to be performed: Vertical boring using direct push method, to obtai Soil and groundwater samples (Environmental Work)

Location of work: On Harrison within sidewalk area Between* 24th st/Bay Place And* 23rd Street
within the road on Harrison Street Between* 24th st/Bay Place And* 23rd Street

* Name the streets that are the boundaries of your work area.

Work date (s): Tuesday April 28 [x] Mon-Fri [ ] Sat-Sun Work Hours: 9:00 AM to 3:00 pm
Wed. April 29 [x] Mon-Fri [ ] Sat-Sun 9:00 AM to 3:00 pm

Please Follow these Steps and the Attached Examples to Complete a Traffic Control Plan

A. **Drawing Area:** The full width of all streets adjacent to the site MUST be included in the drawing. Include the entire block in which your work is located for every street that is adjacent to your site.

B. **Include Street Names, Direction of Traffic on the Street, and North Arrow**

C. **Show Existing Number of Lanes in all Directions** (with any pavement arrows)

D. **Check the Box(s) that Apply:** All checked items MUST be shown on the drawing

- [x] Lane Closure
- [ ] Street Closures (must provide detour plan)
- [ ] Use of Median
- [x] Use Parking Lane
- [x] Sidewalk Closure (must provide pedestrian walk way)

E. **Show All Dimensions** of street widths (curb to curb), lane widths, sidewalk widths, and work area dimension.
(Note: Traffic Control Application / Plans missing the above information will not be accepted or processed.)

F. **Show the Name and Locations** of all applicable advanced warning devices, flaggers, delineators, warning and construction signs.

RENEWAL PROCESS: Resubmit a completed Traffic Control Application with the old approved plan (with the necessary modifications / changes to the plans).

FOR HELP in preparing a traffic control plan, see Temporary Traffic Control Pocket Reference Guide 2007, Work Area Traffic Control Handbook 006, or the California Manual on Uniform Traffic Control (MUTCD) 2003, Chapter 6.
http://www.dot.ca.gov/hq/traffops/signtech/mutcdsupp/ca_mutcd.htm
For City Website: http://www.oaklandnet.com/cedahome_com/SiteData/cedahome/InetPub/wwwroot/main/dcsd_transportationservices_app_tcp.a p

SPECIAL PROVISION 7-10.1 TRAFFIC REQUIREMENTS

Project Name: _____
Project Number: TSD-09-0040
Reviewed By: J.Watson
Date: 4/14/2009_
Review good from__5/19/2009__
to_5/20/2009_____

ADD NEW SUBSECTION TO READ:
SP 7-10.1.4 Vehicular Traffic

Attention is directed to Section 7-10. Public Convenience and Safety, of the City of Oakland Standard Specification for Public Works Construction, 2000 Edition (Include this paragraph for p-jobs, excavation permits or obstruction permits).

The Contractor shall conduct its work in such a manner as to provide public convenience and safety and according to the provisions in this subsection. The provisions shall not be modified or altered without written approval from the Engineer.

Standard traffic control devices shall be placed at the construction zone according to the latest edition of the Work Area Traffic Control Handbook or Manual on Uniform Traffic Control Devices (MUTCD), Chapter 6 – "Traffic Controls for Construction and Maintenance Work Zone," or as directed by the Engineer.

All trenches and excavations in any public street or roadway shall be back filled and opened to traffic, or covered with suitable steel plates securely placed and opened to traffic at all times except during actual construction operations unless otherwise permitted by the Engineer.

Each section of work shall be completed or temporarily paved and open to traffic in not more than 5 days after commencing work unless otherwise permitted in writing by the Engineer.

Where construction encroaches into the sidewalk area, a minimum of 5 ½ feet of unobstructed sidewalk shall be maintained at all times for pedestrian use. Pedestrian barricades, shelter, and detour signs per Caltrans standards may be required.

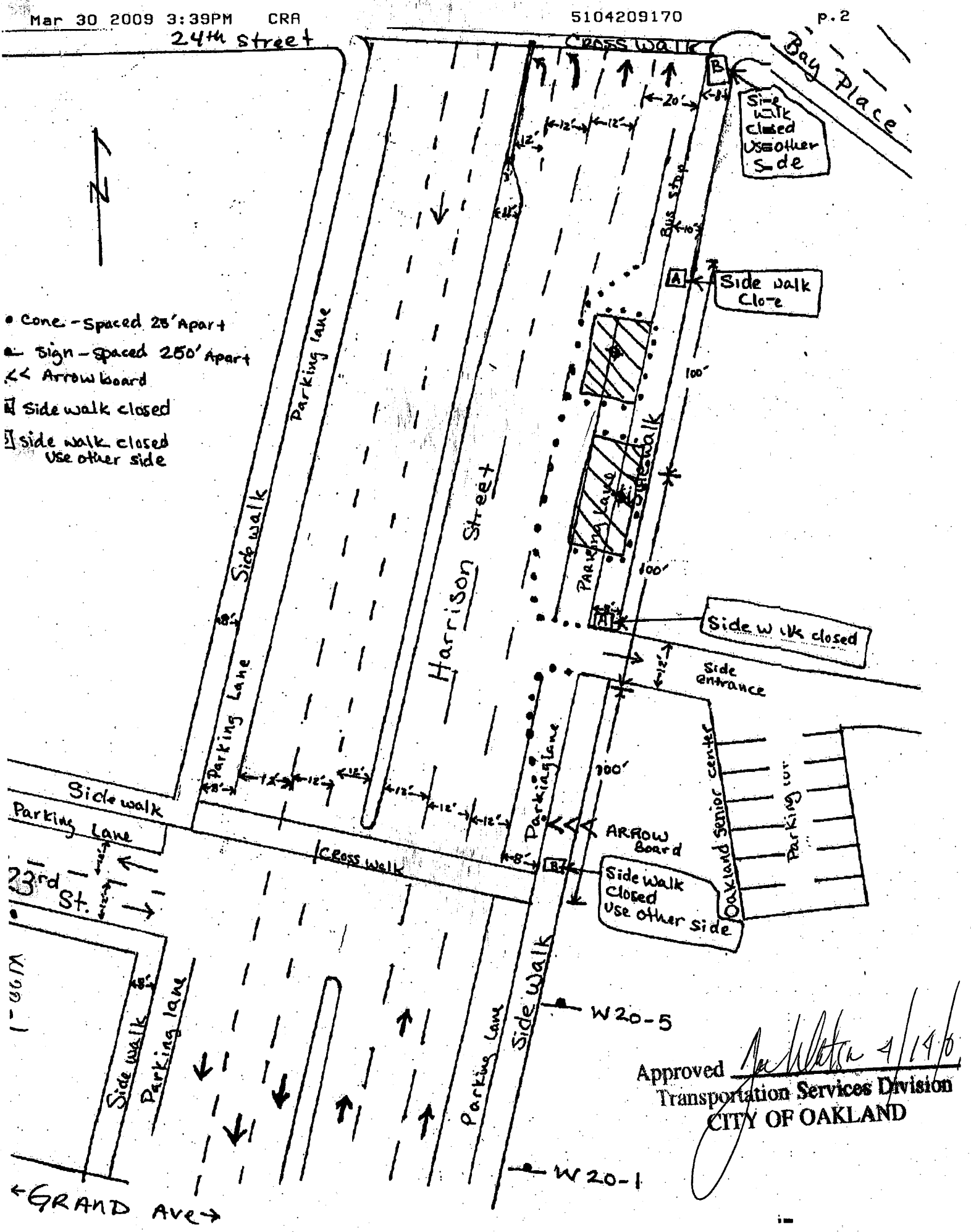
The contractor shall conduct its operation in such a manner as to leave the following traffic lanes unobstructed and in a condition satisfactory for vehicular travel during the Obstruction Period. At all times traffic lanes will be restricted and reopened to travel. Emergency access shall be provided at all times.

Street Name Limits	Obstruction Period	North Bound	South Bound	East Bound	West Bound
Harrison Street between 23rd Street and 24th Street	Mon. – Fri. 9am – 4pm	2-12' lane open minimum	N/A	Sidewalk Closure	N/A

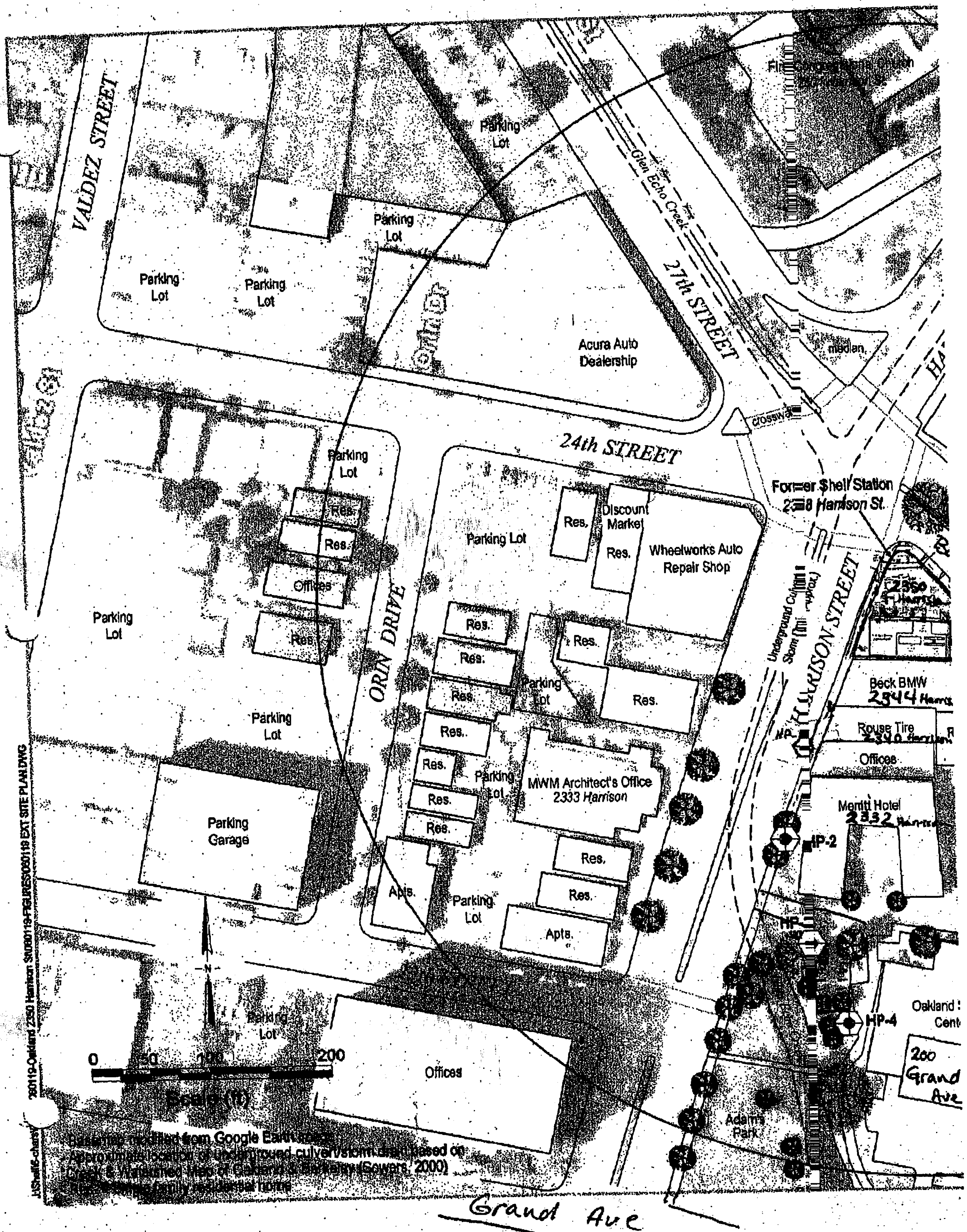
The Contractor Shall Also include all check item:

1. ☐ Design a construction traffic control plan and submit (2) copies to the Engineer for approval prior to starting any work.
2. ☒ Replace all signs, pavement markings, and traffic detector loops damaged or removed due to construction within 3 days of completion of work or the final pavement lift.
3. ☒ Provide advance notice to Oakland Police at (510) 777-3333 (24-hrs) and Oakland Fire at (510) 238-3331 (2-rhs) when a single lane of traffic or less is provided on any street.
4. ☒ Provide 72-hour advance notice to AC Transit at (510) 891-4909 when affecting a bus stop.
5. ☒ For Caltrans roadways, ramps, or maintained facilities, the Contractor shall obtain appropriate permits and notify the Traffic Management Center 24 hours in advance of any work.
6. ☐ Flagger control is required. Certified Flagger is required.
7. ☐ Pedestrian walkway by K-rail, Canopy or Plywood is required. (See detour plan)
8. ☒ Pedestrian traffic shall be maintained and guided through the project at all times.
9. ☒ Provide advance notice to Business and Residence within 72-hours.
10. ☒ Allow all traffic movement at intersection.

Nothing specified herein shall prohibit emergency work and/or repair necessary to ensure public health and safety.



Approved [signature] 4/14/10
Transportation Services Division
CITY OF OAKLAND


VALDEZ STREET
Parking Lot
Parking Lot
Parking Lot
Parking Lot
Glen Echo Creek
27th STREET
Acura Auto Dealership
median
crosswalk
24th STREET
Parking Lot
Res.
Res.
Offices
Res.
Parking Lot
ORIN DRIVE
Parking Lot
Res.
Discount Market
Res.
Wheelworks Auto Repair Shop
Former Shell Station
Harrison St.
Underground Culvert/ Storm Drain (approx.)
HARRISON STREET
2350
Res.
Res.
Res.
Res.
Parking Lot
Res.
Res.
Res.
Res.
Res.
Parking Lot
MWM Architect's Office
2333 Harrison
Beck BMW
2344
Rouse Tire
2340
Offices
Merritt Hotel
2332
HP-2
Parking Lot
Parking Garage
Apts.
Parking Lot
Res.
Res.
Apts.
HP-4
Oakland
N
Parking Lot
0
200
Scale (ft)
Offices
200 Grand Ave
Adams Park
Basemap modified from Google Earth
Approximate location of underground culvert/storm drain based on
Creek & Watershed Map of Oakland & Berkeley (Sowers, 2000)
Grand Ave

APPENDIX C

BORING LOGS

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-1
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	19-May-09
LOCATION	2350 Harrison Street, Oakland, CA	**DRILLING COMPLETED**	20-May-09
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**	NA
LOGGED BY	E. Reinhart	**DEPTH TO WATER (First Encountered)**	NA
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
					ML		**ASPHALT** **Sandy SILT with gravel (ML)**; dark yellowish brown (10YR 4/6); moist; 10% clay, 40% silt, 30% fine to coarse sand, 20% fine to coarse gravel; medium plasticity.	0.3	
								2.5	
					CL		**CLAY (CL)**; black (2.5Y 2.5/1); moist; 95% clay, 5% silt; high plasticity.		
255		B-1-5 .5'		5			@ 5' - very dark gray (2.5Y 3/1).		
2.8								6.5	
208		B-1-7 '			ML		**Sandy SILT (ML)**; very dark gray (2.5Y 3/1); wet; 10% clay, 55% silt, 35% fine to coarse sand; medium plasticity.		Portland Type I/II
140								8.5	
					CL		**Sandy CLAY (CL)**; very dark gray (2.5Y 3/1); moist; 50% clay, 30% silt, 20% fine sand; medium plasticity.	10.0	
258		B-1-1 0'		10					
40							**Sandy SILT (ML)**; very dark gray (2.5Y 3/1); moist; 20% clay, 40% silt, 30% fine sand, 10% gravel; medium plasticity; red chert nodules.		
274		B-1-1 3'			ML		@ 12' - strong brown (7.5YR 5/6); moist; 5% clay, 60% silt, 35% fine sand; low plasticity.		
							SILT (ML); strong brown (7.5YR 5/6); moist; 30% clay, 60% silt, 10% fine sand.	14.0	
116		B-1-1 5'		15					
8.6								16.0	Bottom of Boring @ 16 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\0601-\060119-OAKLAND 2350 (2368) HARRISON ST\060119-GINT\060119-GINT.GPJ DEFAULT.GDT 6/17/09

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-2
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	21-May-09
LOCATION	2350 Harrison Street, Oakland, CA	**DRILLING COMPLETED**	21-May-09
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**	NA
LOGGED BY	E. Reinhart	**DEPTH TO WATER (First Encountered)**	NA
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
					ML		**ASPHALT** **Sandy SILT with gravel (ML)**; dark yellowish brown (10YR 4/6); moist; 10% clay, 40% silt, 30% fine to coarse sand, 20% fine to coarse gravel; medium plasticity.	0.3	
								3.0	
50		B-2-5 .5'		5			**CLAY (CL)**; black (2.5Y 2.5/1); moist; 95% clay, 5% silt; high plasticity. @ 4' - very dark gray (2.5Y 3/1).		
280		B-2-7 '							
150								8.5	Portland Type I/II
630		B-2-1 0'		10	CL		**Sandy CLAY (CL)**; dark grayish brown (2.5Y 4/2); moist; 50% clay, 30% silt, 15% fine sand, 5% gravel; medium plasticity; red chert.		
56							@ 11' - yellowish brown (10YR 5/6); 65% clay, 30% silt, 5% fine sand; medium to high plasticity.	11.0	
82							@ 14' - yellowish brown (10YR 5/4); 80% clay, 20% silt.		
130		B-2-1 5'		15			**Sandy CLAY (CL)**; olive brown (2.5Y 4/3); moist; 50% clay, 25% silt, 25% fine sand; medium plasticity.	15.0	
119								16.0	Bottom of Boring @ 16 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\0601--\060119-OAKLAND 2350 (2368) HARRISON ST\060119-GINT\060119-GINT.GPJ DEFAULT.GDT 6/17/09

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-3
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	21-May-09
LOCATION	2350 Harrison Street, Oakland, CA	**DRILLING COMPLETED**	21-May-09
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**	NA
LOGGED BY	E. Reinhart	**DEPTH TO WATER (First Encountered)**	NA ▽
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	0.3	
277		B-3-5 .5'		5	CL		**CLAY (CL)**; black (2.5Y 2.5/1); moist; 95% clay, 5% silt; high plasticity.		
215									
207							**CLAY with sand (CL)**; very dark gray (2.5Y 3/1); moist; 80% clay, 5% silt, 15% fine to medium sand; high plasticity.		Portland Type I/II
213		B-3-1 0'		10				11.0	
177					SC		**Clayey SAND (SC)**; dark gray (2.5Y 4/1); moist; 25% clay, 25% silt, 50% fine to medium sand.		
137							@ 12' - olive brown (2.5Y 4/3).		
18								14.0	
8		B-3-1 5'		15	ML		**SILT with sand (ML)**; yellowish brown (10YR 5/6); moist; 25% clay, 60% silt, 15% fine sand; medium plasticity.		
9								16.0	Bottom of Boring @ 16 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\0601--\060119-OAKLAND 2350 (2368) HARRISON ST\060119-GINT\060119-GINT.GPJ DEFAULT.GDT 6/17/09

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-4
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	19-May-09
LOCATION	2350 Harrison Street, Oakland, CA	**DRILLING COMPLETED**	20-May-09
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**	NA
LOGGED BY	E. Reinhart	**DEPTH TO WATER (First Encountered)**	NA ▽
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	0.3	
					ML		**Sandy SILT with gravel (ML)**; dark yellowish brown (10YR 4/6); moist; 50% silt, 30% fine to coarse sand, 20% coarse gravel; low to medium plasticity. @ 2' - 60% silt, 30% fine to coarse sand, 10% coarse gravel.	3.0	
628		B-4-5 .5'		5	SP		**Poorly graded SAND (SP)**; dark gray (2.5Y 4/1); moist; 5% silt, 95% fine to medium sand. very dark gray (10YR 3/1); wet.		Portland Type I/II
18								9.0	
28		B-4-1 0'		10	CL		**CLAY (CL)**; very dark gray (2.5Y 3/1); moist; 95% clay, 5% silt; high plasticity.	10.5	
17.5					SP		**Poorly graded SAND (SP)**; dark gray (2.5Y 4/1); moist; 5% silt, 95% fine to medium sand.	12.5	
20					CL		**CLAY (CL)**; very dark gray (5Y 3/1); moist; 60% clay, 40% silt; high plasticity.	14.0	
50		B-4-1 5'		15	ML		**SILT with sand (ML)**; very dark gray (5Y 3/1); moist; 25% clay, 50% silt, 25% fine to medium sand; medium plasticity. @ 15' - yellowish brown (10YR 5/6); 35% clay, 45% silt, 20% fine sand.	16.0	
11.2									Bottom of Boring @ 16 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\0601-\060119-OAKLAND 2350 (2368) HARRISON ST\060119-GINT\060119-GINT.GPJ DEFAULT.GDT 6/26/09

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**	HP-1
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	19-May-09
LOCATION	2350 Harrison Street, Oakland, CA	**DRILLING COMPLETED**	20-May-09
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**	NA
LOGGED BY	E. Reinhart	**DEPTH TO WATER (First Encountered)**	4.50 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
							CONCRETE	0.8	
				5			Boring air-knifed to 5 fbg.; direct-push to 10 fbg.; grab groundwater sample collected using hydropunch with a screened interval of 6-10 fbg.; soil types not logged.		
				10					Bottom of Boring @ 10 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\0601--\060119-OAKLAND 2350 (2368) HARRISON ST\060119-GINT\060119-GINT.GPJ DEFAULT.GDT 6/17/09

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**	HP-2
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	19-May-09
LOCATION	2350 Harrison Street, Oakland, CA	**DRILLING COMPLETED**	20-May-09
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**	NA
LOGGED BY	E. Reinhart	**DEPTH TO WATER (First Encountered)**	5.00 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
							CONCRETE	0.5	
				5			Boring air-knifed to 5 fbg.; direct push to 10 fbg.; grab groundwater sample collected using hydropunch with screened interval of 6-10 fbg.; soil types not logged. ▽		
				10					Bottom of Boring @ 10 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\0601--\060119-OAKLAND 2350 (2368) HARRISON ST\060119-GINT\060119-GINT.GPJ DEFAULT.GDT 6/17/09

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**	SVP-1
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	18-May-09
LOCATION	2350 Harrison Street, Oakland, CA	**DRILLING COMPLETED**	18-May-09
PROJECT NUMBER	060119	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling, C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Air-knife	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	6"	**SCREENED INTERVALS**	4.42 to 4.5 fbg
LOGGED BY	E. Reinhart	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	P. Schaefer	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
27.4					ML		**ASPHALT** **Sandy SILT with gravel (ML)** ; dark yellowish brown (10YR 4/6); moist; 50% silt, 30% fine to coarse sand, 20% coarse gravel; low to medium plasticity; fill. @ 2' - 60% silt, 30% fine to coarse sand, 10% coarse gravel.	0.3	Flush-grade 5" well box 1/4" teflon sample tubing Portland Type I/II
					CL		**CLAY (CL)** ; black (2.5Y 2.5/1); moist; 95% clay, 5% silt; high plasticity.	3.0	Bentonite Seal Monterey Sand #2/12 1/4" diam. HDPE screen
				5				5.0	Bottom of Boring @ 5 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\0601--\060119-OAKLAND 2350 (2368) HARRISON ST\060119-GINT\060119-GINT.GPJ DEFAULT.GDT 6/17/09

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**	SVP-2
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	21-May-09
LOCATION	2350 Harrison Street, Oakland, CA	**DRILLING COMPLETED**	21-May-09
PROJECT NUMBER	060119	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling, C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Air-knife	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	6"	**SCREENED INTERVALS**	4.42 to 4.5 fbg
LOGGED BY	E. Reinhart	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	P. Schaefer	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.3	Flush-grade 5" well box
27.4					ML		**Sandy SILT with gravel (ML)**; dark yellowish brown (10YR 4/6); moist; 50% silt, 30% fine to coarse sand, 20% coarse gravel; medium plasticity.		1/4" teflon sample tubing Portland Type I/II
					CL		**CLAY (CL)**; black (2.5Y 2.5/1); moist; 95% clay, 5% silt; high plasticity.	4.0 5.0	Bentonite Seal Monterey Sand #2/12 1/4" diam. HDPE screen Bottom of Boring @ 5 fbg
				5					

WELL LOG (PID) I:\SHELL\6-CHARS\0601--\060119-OAKLAND 2350 (2368) HARRISON ST\060119-GINT\060119-GINT.GPJ DEFAULT.GDT 6/17/09

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**	SVP-3
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	19-May-09
LOCATION	2350 Harrison Street, Oakland, CA	**DRILLING COMPLETED**	19-May-09
PROJECT NUMBER	060119	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling, C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Air-knife	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	6"	**SCREENED INTERVALS**	4.42 to 4.5 fbg
LOGGED BY	E. Reinhart	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	P. Schaefer	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.3	Flush-grade 5" well box
27.4					ML		**Sandy SILT with gravel (ML)**; dark yellowish brown (10YR 4/6); moist; 50% silt, 30% fine to coarse sand, 20% coarse gravel; low to medium plasticity; fill. @ 2' - 65% silt, 35% fine to coarse sand.		1/4" teflon sample tubing Portland Type I/II
					SW		**SAND (SW)**; dark gray (2.5Y 4/1); moist; 5% silt; 95% fine to medium sand.	3.5	Bentonite Seal Monterey Sand #2/12 1/4" diam. HDPE screen
				5				5.0	Bottom of Boring @ 5 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\0601--\060119-OAKLAND 2350 (2368) HARRISON ST\060119-GINT\060119-GINT.GPJ DEFAULT.GDT 6/17/09

APPENDIX D

CERTIFIED ANAYLTICAL REPORTS

Calscience
Environmental
Laboratories, Inc.

June 08, 2009

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

Subject: **Calscience Work Order No.:** **09-05-2010**
Client Reference: **2350 Harrison St., Oakland, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 5/22/2009 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Philip Hamelle for

Calscience Environmental
Laboratories, Inc.
Jessie Lee
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 05/22/09
Work Order No: 09-05-2010
Preparation: EPA 3550B
Method: EPA 8015B

Project: 2350 Harrison St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-1-5.5	09-05-2010-1-A	05/20/09 13:26	Solid	GC 43	05/24/09	05/26/09 18:47	090524B05

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	700	50	10		mg/kg

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-1-10'	09-05-2010-2-A	05/20/09 13:30	Solid	GC 43	05/24/09	05/26/09 19:07	090524B05

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	81	5.0	1		mg/kg

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-1-15'	09-05-2010-3-A	05/20/09 13:35	Solid	GC 43	05/24/09	05/26/09 19:28	090524B05

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	100	5.0	1		mg/kg

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

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	05/22/09
5900 Hollis Street, Suite A	Work Order No:	09-05-2010
Emeryville, CA 94608-2008	Preparation:	EPA 3550B
	Method:	EPA 8015B

Project: 2350 Harrison St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-4-5.5'	09-05-2010-4-A	05/20/09 14:35	Solid	GC 43	05/24/09	05/26/09 19:48	090524B05

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	200	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	107	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-4-10'	09-05-2010-5-A	05/20/09 14:40	Solid	GC 43	05/24/09	05/26/09 20:08	090524B05

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	170	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-4-15'	09-05-2010-6-A	05/20/09 14:45	Solid	GC 43	05/24/09	05/26/09 20:29	090524B05

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	10	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	101	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: 05/22/09
Work Order No: 09-05-2010
Preparation: EPA 3550B
Method: EPA 8015B

Project: 2350 Harrison St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-1-13'	09-05-2010-7-A	05/20/09 13:33	Solid	GC 43	05/24/09	05/26/09 20:49	090524B05

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	89	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-1-7'	09-05-2010-8-A	05/20/09 13:28	Solid	GC 43	05/24/09	05/26/09 21:09	090524B05

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	510	5.0	1		mg/kg

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-025-726	N/A	Solid	GC 43	05/24/09	05/26/09 15:03	090524B05

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	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
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 05/22/09
Work Order No: 09-05-2010
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: 2350 Harrison St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-4-5.5'	09-05-2010-4-A	05/20/09 14:35	Solid	GC 43	05/24/09	05/26/09 19:48	090524B06

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	230	25	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	107	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-4-10'	09-05-2010-5-A	05/20/09 14:40	Solid	GC 43	05/24/09	05/26/09 20:08	090524B06

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	140	25	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-4-15'	09-05-2010-6-A	05/20/09 14:45	Solid	GC 43	05/24/09	05/26/09 20:29	090524B06

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	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
Method Blank	099-12-254-767	N/A	Solid	GC 43	05/24/09	05/26/09 15:03	090524B06

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	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
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 05/22/09
Work Order No: 09-05-2010
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 2350 Harrison St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-1-5.5'	09-05-2010-1-A	05/20/09 13:26	Solid	GC/MS PP	05/29/09	05/29/09 18:51	090529L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	12000	100		c-1,3-Dichloropropene	ND	500	100	
Benzene	ND	500	100		t-1,3-Dichloropropene	ND	500	100	
Bromobenzene	ND	500	100		Ethylbenzene	ND	500	100	
Bromochloromethane	ND	500	100		2-Hexanone	ND	5000	100	
Bromodichloromethane	ND	500	100		Isopropylbenzene	ND	500	100	
Bromoform	ND	500	100		p-Isopropyltoluene	ND	500	100	
Bromomethane	ND	2500	100		Methylene Chloride	ND	5000	100	
2-Butanone	ND	5000	100		4-Methyl-2-Pentanone	ND	5000	100	
n-Butylbenzene	ND	500	100		Naphthalene	ND	5000	100	
sec-Butylbenzene	ND	500	100		n-Propylbenzene	680	500	100	
tert-Butylbenzene	ND	500	100		Styrene	ND	500	100	
Carbon Disulfide	ND	5000	100		1,1,1,2-Tetrachloroethane	ND	500	100	
Carbon Tetrachloride	ND	500	100		1,1,2,2-Tetrachloroethane	ND	500	100	
Chlorobenzene	ND	500	100		Tetrachloroethene	ND	500	100	
Chloroethane	ND	500	100		Toluene	ND	500	100	
Chloroform	ND	500	100		1,2,3-Trichlorobenzene	ND	1000	100	
Chloromethane	ND	2500	100		1,2,4-Trichlorobenzene	ND	500	100	
2-Chlorotoluene	ND	500	100		1,1,1-Trichloroethane	ND	500	100	
4-Chlorotoluene	ND	500	100		1,1,2-Trichloroethane	ND	500	100	
Dibromochloromethane	ND	500	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	100	
1,2-Dibromo-3-Chloropropane	ND	2500	100		Trichloroethene	ND	500	100	
1,2-Dibromoethane	ND	500	100		1,2,3-Trichloropropane	ND	500	100	
Dibromomethane	ND	500	100		1,2,4-Trimethylbenzene	ND	500	100	
1,2-Dichlorobenzene	ND	500	100		Trichlorofluoromethane	ND	5000	100	
1,3-Dichlorobenzene	ND	500	100		1,3,5-Trimethylbenzene	ND	500	100	
1,4-Dichlorobenzene	ND	500	100		Vinyl Acetate	ND	5000	100	
Dichlorodifluoromethane	ND	500	100		Vinyl Chloride	ND	500	100	
1,1-Dichloroethane	ND	500	100		Xylenes (total)	ND	500	100	
1,2-Dichloroethane	ND	500	100		Methyl-t-Butyl Ether (MTBE)	ND	500	100	
1,1-Dichloroethene	ND	500	100		Tert-Butyl Alcohol (TBA)	ND	5000	100	
c-1,2-Dichloroethene	ND	500	100		Diisopropyl Ether (DIPE)	ND	1000	100	
t-1,2-Dichloroethene	ND	500	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	100	
1,2-Dichloropropane	ND	500	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	100	
1,3-Dichloropropane	ND	500	100		Ethanol	ND	50000	100	
2,2-Dichloropropane	ND	500	100		TPPH	100000	50000	100	
1,1-Dichloropropene	ND	500	100						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	108	73-139		1,2-Dichloroethane-d4	112	73-145	
Toluene-d8	104	90-108		1,4-Bromofluorobenzene	101	71-113	
Toluene-d8-TPPH	106	88-112					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	05/22/09
5900 Hollis Street, Suite A		Work Order No:	09-05-2010
Emeryville, CA 94608-2008		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	ug/kg

Project: 2350 Harrison St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-1-10'	09-05-2010-2-A	05/20/09 13:30	Solid	GC/MS PP	05/29/09	05/29/09 19:18	090529L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	12000	100		c-1,3-Dichloropropene	ND	500	100	
Benzene	ND	500	100		t-1,3-Dichloropropene	ND	500	100	
Bromobenzene	ND	500	100		Ethylbenzene	ND	500	100	
Bromochloromethane	ND	500	100		2-Hexanone	ND	5000	100	
Bromodichloromethane	ND	500	100		Isopropylbenzene	ND	500	100	
Bromoform	ND	500	100		p-Isopropyltoluene	ND	500	100	
Bromomethane	ND	2500	100		Methylene Chloride	ND	5000	100	
2-Butanone	ND	5000	100		4-Methyl-2-Pentanone	ND	5000	100	
n-Butylbenzene	ND	500	100		Naphthalene	ND	5000	100	
sec-Butylbenzene	ND	500	100		n-Propylbenzene	ND	500	100	
tert-Butylbenzene	ND	500	100		Styrene	ND	500	100	
Carbon Disulfide	ND	5000	100		1,1,1,2-Tetrachloroethane	ND	500	100	
Carbon Tetrachloride	ND	500	100		1,1,2,2-Tetrachloroethane	ND	500	100	
Chlorobenzene	ND	500	100		Tetrachloroethene	ND	500	100	
Chloroethane	ND	500	100		Toluene	ND	500	100	
Chloroform	ND	500	100		1,2,3-Trichlorobenzene	ND	1000	100	
Chloromethane	ND	2500	100		1,2,4-Trichlorobenzene	ND	500	100	
2-Chlorotoluene	ND	500	100		1,1,1-Trichloroethane	ND	500	100	
4-Chlorotoluene	ND	500	100		1,1,2-Trichloroethane	ND	500	100	
Dibromochloromethane	ND	500	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	100	
1,2-Dibromo-3-Chloropropane	ND	2500	100		Trichloroethene	ND	500	100	
1,2-Dibromoethane	ND	500	100		1,2,3-Trichloropropane	ND	500	100	
Dibromomethane	ND	500	100		1,2,4-Trimethylbenzene	ND	500	100	
1,2-Dichlorobenzene	ND	500	100		Trichlorofluoromethane	ND	5000	100	
1,3-Dichlorobenzene	ND	500	100		1,3,5-Trimethylbenzene	ND	500	100	
1,4-Dichlorobenzene	ND	500	100		Vinyl Acetate	ND	5000	100	
Dichlorodifluoromethane	ND	500	100		Vinyl Chloride	ND	500	100	
1,1-Dichloroethane	ND	500	100		Xylenes (total)	ND	500	100	
1,2-Dichloroethane	ND	500	100		Methyl-t-Butyl Ether (MTBE)	ND	500	100	
1,1-Dichloroethene	ND	500	100		Tert-Butyl Alcohol (TBA)	ND	5000	100	
c-1,2-Dichloroethene	ND	500	100		Diisopropyl Ether (DIPE)	ND	1000	100	
t-1,2-Dichloroethene	ND	500	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	100	
1,2-Dichloropropane	ND	500	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	100	
1,3-Dichloropropane	ND	500	100		Ethanol	ND	50000	100	
2,2-Dichloropropane	ND	500	100		TPPH	170000	50000	100	
1,1-Dichloropropene	ND	500	100						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	73-139		1,2-Dichloroethane-d4	115	73-145	
Toluene-d8	105	90-108		1,4-Bromofluorobenzene	105	71-113	
Toluene-d8-TPPH	108	88-112					

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: 05/22/09
Work Order No: 09-05-2010
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 2350 Harrison St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-1-15'	09-05-2010-3-A	05/20/09 13:35	Solid	GC/MS PP	05/27/09	05/28/09 06:35	050927L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	12000	100		c-1,3-Dichloropropene	ND	500	100	
Benzene	ND	500	100		t-1,3-Dichloropropene	ND	500	100	
Bromobenzene	ND	500	100		Ethylbenzene	ND	500	100	
Bromochloromethane	ND	500	100		2-Hexanone	ND	5000	100	
Bromodichloromethane	ND	500	100		Isopropylbenzene	ND	500	100	
Bromoform	ND	500	100		p-Isopropyltoluene	ND	500	100	
Bromomethane	ND	2500	100		Methylene Chloride	ND	5000	100	
2-Butanone	ND	5000	100		4-Methyl-2-Pentanone	ND	5000	100	
n-Butylbenzene	ND	500	100		Naphthalene	ND	5000	100	
sec-Butylbenzene	ND	500	100		n-Propylbenzene	ND	500	100	
tert-Butylbenzene	ND	500	100		Styrene	ND	500	100	
Carbon Disulfide	ND	5000	100		1,1,1,2-Tetrachloroethane	ND	500	100	
Carbon Tetrachloride	ND	500	100		1,1,2,2-Tetrachloroethane	ND	500	100	
Chlorobenzene	ND	500	100		Tetrachloroethene	ND	500	100	
Chloroethane	ND	500	100		Toluene	ND	500	100	
Chloroform	ND	500	100		1,2,3-Trichlorobenzene	ND	1000	100	
Chloromethane	ND	2500	100		1,2,4-Trichlorobenzene	ND	500	100	
2-Chlorotoluene	ND	500	100		1,1,1-Trichloroethane	ND	500	100	
4-Chlorotoluene	ND	500	100		1,1,2-Trichloroethane	ND	500	100	
Dibromochloromethane	ND	500	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	100	
1,2-Dibromo-3-Chloropropane	ND	2500	100		Trichloroethene	ND	500	100	
1,2-Dibromoethane	ND	500	100		1,2,3-Trichloropropane	ND	500	100	
Dibromomethane	ND	500	100		1,2,4-Trimethylbenzene	ND	500	100	
1,2-Dichlorobenzene	ND	500	100		Trichlorofluoromethane	ND	5000	100	
1,3-Dichlorobenzene	ND	500	100		1,3,5-Trimethylbenzene	ND	500	100	
1,4-Dichlorobenzene	ND	500	100		Vinyl Acetate	ND	5000	100	
Dichlorodifluoromethane	ND	500	100		Vinyl Chloride	ND	500	100	
1,1-Dichloroethane	ND	500	100		Xylenes (total)	ND	500	100	
1,2-Dichloroethane	ND	500	100		Methyl-t-Butyl Ether (MTBE)	ND	500	100	
1,1-Dichloroethene	ND	500	100		Tert-Butyl Alcohol (TBA)	ND	5000	100	
c-1,2-Dichloroethene	ND	500	100		Diisopropyl Ether (DIPE)	ND	1000	100	
t-1,2-Dichloroethene	ND	500	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	100	
1,2-Dichloropropane	ND	500	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	100	
1,3-Dichloropropane	ND	500	100		Ethanol	ND	50000	100	
2,2-Dichloropropane	ND	500	100		TPPH	180000	50000	100	
1,1-Dichloropropene	ND	500	100						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	73-139		1,2-Dichloroethane-d4	103	73-145	
Toluene-d8	103	90-108		1,4-Bromofluorobenzene	102	71-113	
Toluene-d8-TPPH	106	88-112					

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: 05/22/09
Work Order No: 09-05-2010
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 2350 Harrison St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-1-13'	09-05-2010-7-A	05/20/09 13:33	Solid	GC/MS PP	05/27/09	05/28/09 07:02	050927L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	12000	100		c-1,3-Dichloropropene	ND	500	100	
Benzene	ND	500	100		t-1,3-Dichloropropene	ND	500	100	
Bromobenzene	ND	500	100		Ethylbenzene	ND	500	100	
Bromochloromethane	ND	500	100		2-Hexanone	ND	5000	100	
Bromodichloromethane	ND	500	100		Isopropylbenzene	ND	500	100	
Bromoform	ND	500	100		p-Isopropyltoluene	ND	500	100	
Bromomethane	ND	2500	100		Methylene Chloride	ND	5000	100	
2-Butanone	ND	5000	100		4-Methyl-2-Pentanone	ND	5000	100	
n-Butylbenzene	ND	500	100		Naphthalene	ND	5000	100	
sec-Butylbenzene	ND	500	100		n-Propylbenzene	ND	500	100	
tert-Butylbenzene	ND	500	100		Styrene	ND	500	100	
Carbon Disulfide	ND	5000	100		1,1,1,2-Tetrachloroethane	ND	500	100	
Carbon Tetrachloride	ND	500	100		1,1,2,2-Tetrachloroethane	ND	500	100	
Chlorobenzene	ND	500	100		Tetrachloroethene	ND	500	100	
Chloroethane	ND	500	100		Toluene	ND	500	100	
Chloroform	ND	500	100		1,2,3-Trichlorobenzene	ND	1000	100	
Chloromethane	ND	2500	100		1,2,4-Trichlorobenzene	ND	500	100	
2-Chlorotoluene	ND	500	100		1,1,1-Trichloroethane	ND	500	100	
4-Chlorotoluene	ND	500	100		1,1,2-Trichloroethane	ND	500	100	
Dibromochloromethane	ND	500	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	100	
1,2-Dibromo-3-Chloropropane	ND	2500	100		Trichloroethene	ND	500	100	
1,2-Dibromoethane	ND	500	100		1,2,3-Trichloropropane	ND	500	100	
Dibromomethane	ND	500	100		1,2,4-Trimethylbenzene	ND	500	100	
1,2-Dichlorobenzene	ND	500	100		Trichlorofluoromethane	ND	5000	100	
1,3-Dichlorobenzene	ND	500	100		1,3,5-Trimethylbenzene	ND	500	100	
1,4-Dichlorobenzene	ND	500	100		Vinyl Acetate	ND	5000	100	
Dichlorodifluoromethane	ND	500	100		Vinyl Chloride	ND	500	100	
1,1-Dichloroethane	ND	500	100		Xylenes (total)	ND	500	100	
1,2-Dichloroethane	ND	500	100		Methyl-t-Butyl Ether (MTBE)	ND	500	100	
1,1-Dichloroethene	ND	500	100		Tert-Butyl Alcohol (TBA)	ND	5000	100	
c-1,2-Dichloroethene	ND	500	100		Diisopropyl Ether (DIPE)	ND	1000	100	
t-1,2-Dichloroethene	ND	500	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	100	
1,2-Dichloropropane	ND	500	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	100	
1,3-Dichloropropane	ND	500	100		Ethanol	ND	50000	100	
2,2-Dichloropropane	ND	500	100		TPPH	160000	50000	100	
1,1-Dichloropropene	ND	500	100						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	73-139		1,2-Dichloroethane-d4	102	73-145	
Toluene-d8	103	90-108		1,4-Bromofluorobenzene	104	71-113	
Toluene-d8-TPPH	106	88-112					

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: 05/22/09
Work Order No: 09-05-2010
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 2350 Harrison St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-1-7'	09-05-2010-8-A	05/20/09 13:28	Solid	GC/MS PP	05/27/09	05/28/09 07:29	050927L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	250000	2000		c-1,3-Dichloropropene	ND	10000	2000	
Benzene	ND	10000	2000		t-1,3-Dichloropropene	ND	10000	2000	
Bromobenzene	ND	10000	2000		Ethylbenzene	ND	10000	2000	
Bromochloromethane	ND	10000	2000		2-Hexanone	ND	100000	2000	
Bromodichloromethane	ND	10000	2000		Isopropylbenzene	ND	10000	2000	
Bromoform	ND	10000	2000		p-Isopropyltoluene	ND	10000	2000	
Bromomethane	ND	50000	2000		Methylene Chloride	ND	100000	2000	
2-Butanone	ND	100000	2000		4-Methyl-2-Pentanone	ND	100000	2000	
n-Butylbenzene	ND	10000	2000		Naphthalene	ND	100000	2000	
sec-Butylbenzene	ND	10000	2000		n-Propylbenzene	ND	10000	2000	
tert-Butylbenzene	ND	10000	2000		Styrene	ND	10000	2000	
Carbon Disulfide	ND	100000	2000		1,1,1,2-Tetrachloroethane	ND	10000	2000	
Carbon Tetrachloride	ND	10000	2000		1,1,2,2-Tetrachloroethane	ND	10000	2000	
Chlorobenzene	ND	10000	2000		Tetrachloroethene	ND	10000	2000	
Chloroethane	ND	10000	2000		Toluene	ND	10000	2000	
Chloroform	ND	10000	2000		1,2,3-Trichlorobenzene	ND	20000	2000	
Chloromethane	ND	50000	2000		1,2,4-Trichlorobenzene	ND	10000	2000	
2-Chlorotoluene	ND	10000	2000		1,1,1-Trichloroethane	ND	10000	2000	
4-Chlorotoluene	ND	10000	2000		1,1,2-Trichloroethane	ND	10000	2000	
Dibromochloromethane	ND	10000	2000		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	100000	2000	
1,2-Dibromo-3-Chloropropane	ND	50000	2000		Trichloroethene	ND	10000	2000	
1,2-Dibromoethane	ND	10000	2000		1,2,3-Trichloropropane	ND	10000	2000	
Dibromomethane	ND	10000	2000		1,2,4-Trimethylbenzene	ND	10000	2000	
1,2-Dichlorobenzene	ND	10000	2000		Trichlorofluoromethane	ND	100000	2000	
1,3-Dichlorobenzene	ND	10000	2000		1,3,5-Trimethylbenzene	ND	10000	2000	
1,4-Dichlorobenzene	ND	10000	2000		Vinyl Acetate	ND	100000	2000	
Dichlorodifluoromethane	ND	10000	2000		Vinyl Chloride	ND	10000	2000	
1,1-Dichloroethane	ND	10000	2000		Xylenes (total)	ND	10000	2000	
1,2-Dichloroethane	ND	10000	2000		Methyl-t-Butyl Ether (MTBE)	ND	10000	2000	
1,1-Dichloroethene	ND	10000	2000		Tert-Butyl Alcohol (TBA)	ND	100000	2000	
c-1,2-Dichloroethene	ND	10000	2000		Diisopropyl Ether (DIPE)	ND	20000	2000	
t-1,2-Dichloroethene	ND	10000	2000		Ethyl-t-Butyl Ether (ETBE)	ND	20000	2000	
1,2-Dichloropropane	ND	10000	2000		Tert-Amyl-Methyl Ether (TAME)	ND	20000	2000	
1,3-Dichloropropane	ND	10000	2000		Ethanol	ND	1000000	2000	
2,2-Dichloropropane	ND	10000	2000		TPPH	230000	100000	200	
1,1-Dichloropropene	ND	10000	2000						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	73-139		1,2-Dichloroethane-d4	103	73-145	
Toluene-d8	102	90-108		1,4-Bromofluorobenzene	103	71-113	
Toluene-d8-TPPH	104	88-112					

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: 05/22/09
Work Order No: 09-05-2010
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 2350 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	099-12-798-455	N/A	Solid	GC/MS PP	05/27/09	05/28/09 02:30	050927L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	12000	100		c-1,3-Dichloropropene	ND	500	100	
Benzene	ND	500	100		t-1,3-Dichloropropene	ND	500	100	
Bromobenzene	ND	500	100		Ethylbenzene	ND	500	100	
Bromochloromethane	ND	500	100		2-Hexanone	ND	5000	100	
Bromodichloromethane	ND	500	100		Isopropylbenzene	ND	500	100	
Bromoform	ND	500	100		p-Isopropyltoluene	ND	500	100	
Bromomethane	ND	2500	100		Methylene Chloride	ND	5000	100	
2-Butanone	ND	5000	100		4-Methyl-2-Pentanone	ND	5000	100	
n-Butylbenzene	ND	500	100		Naphthalene	ND	5000	100	
sec-Butylbenzene	ND	500	100		n-Propylbenzene	ND	500	100	
tert-Butylbenzene	ND	500	100		Styrene	ND	500	100	
Carbon Disulfide	ND	5000	100		1,1,1,2-Tetrachloroethane	ND	500	100	
Carbon Tetrachloride	ND	500	100		1,1,2,2-Tetrachloroethane	ND	500	100	
Chlorobenzene	ND	500	100		Tetrachloroethene	ND	500	100	
Chloroethane	ND	500	100		Toluene	ND	500	100	
Chloroform	ND	500	100		1,2,3-Trichlorobenzene	ND	1000	100	
Chloromethane	ND	2500	100		1,2,4-Trichlorobenzene	ND	500	100	
2-Chlorotoluene	ND	500	100		1,1,1-Trichloroethane	ND	500	100	
4-Chlorotoluene	ND	500	100		1,1,2-Trichloroethane	ND	500	100	
Dibromochloromethane	ND	500	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	100	
1,2-Dibromo-3-Chloropropane	ND	2500	100		Trichloroethene	ND	500	100	
1,2-Dibromoethane	ND	500	100		1,2,3-Trichloropropane	ND	500	100	
Dibromomethane	ND	500	100		1,2,4-Trimethylbenzene	ND	500	100	
1,2-Dichlorobenzene	ND	500	100		Trichlorofluoromethane	ND	5000	100	
1,3-Dichlorobenzene	ND	500	100		1,3,5-Trimethylbenzene	ND	500	100	
1,4-Dichlorobenzene	ND	500	100		Vinyl Acetate	ND	5000	100	
Dichlorodifluoromethane	ND	500	100		Vinyl Chloride	ND	500	100	
1,1-Dichloroethane	ND	500	100		Xylenes (total)	ND	500	100	
1,2-Dichloroethane	ND	500	100		Methyl-t-Butyl Ether (MTBE)	ND	500	100	
1,1-Dichloroethene	ND	500	100		Tert-Butyl Alcohol (TBA)	ND	5000	100	
c-1,2-Dichloroethene	ND	500	100		Diisopropyl Ether (DIPE)	ND	1000	100	
t-1,2-Dichloroethene	ND	500	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	100	
1,2-Dichloropropane	ND	500	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	100	
1,3-Dichloropropane	ND	500	100		Ethanol	ND	50000	100	
2,2-Dichloropropane	ND	500	100		TPPH	ND	50000	100	
1,1-Dichloropropene	ND	500	100						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	98	73-139		1,2-Dichloroethane-d4	97	73-145	
Toluene-d8	99	90-108		1,4-Bromofluorobenzene	101	71-113	
Toluene-d8-TPPH	99	88-112					

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: 05/22/09
Work Order No: 09-05-2010
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/kg

Project: 2350 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	099-12-798-460	N/A	Solid	GC/MS PP	05/29/09	05/29/09 13:46	090529L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	12000	100		c-1,3-Dichloropropene	ND	500	100	
Benzene	ND	500	100		t-1,3-Dichloropropene	ND	500	100	
Bromobenzene	ND	500	100		Ethylbenzene	ND	500	100	
Bromochloromethane	ND	500	100		2-Hexanone	ND	5000	100	
Bromodichloromethane	ND	500	100		Isopropylbenzene	ND	500	100	
Bromoform	ND	500	100		p-Isopropyltoluene	ND	500	100	
Bromomethane	ND	2500	100		Methylene Chloride	ND	5000	100	
2-Butanone	ND	5000	100		4-Methyl-2-Pentanone	ND	5000	100	
n-Butylbenzene	ND	500	100		Naphthalene	ND	5000	100	
sec-Butylbenzene	ND	500	100		n-Propylbenzene	ND	500	100	
tert-Butylbenzene	ND	500	100		Styrene	ND	500	100	
Carbon Disulfide	ND	5000	100		1,1,1,2-Tetrachloroethane	ND	500	100	
Carbon Tetrachloride	ND	500	100		1,1,2,2-Tetrachloroethane	ND	500	100	
Chlorobenzene	ND	500	100		Tetrachloroethene	ND	500	100	
Chloroethane	ND	500	100		Toluene	ND	500	100	
Chloroform	ND	500	100		1,2,3-Trichlorobenzene	ND	1000	100	
Chloromethane	ND	2500	100		1,2,4-Trichlorobenzene	ND	500	100	
2-Chlorotoluene	ND	500	100		1,1,1-Trichloroethane	ND	500	100	
4-Chlorotoluene	ND	500	100		1,1,2-Trichloroethane	ND	500	100	
Dibromochloromethane	ND	500	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5000	100	
1,2-Dibromo-3-Chloropropane	ND	2500	100		Trichloroethene	ND	500	100	
1,2-Dibromoethane	ND	500	100		1,2,3-Trichloropropane	ND	500	100	
Dibromomethane	ND	500	100		1,2,4-Trimethylbenzene	ND	500	100	
1,2-Dichlorobenzene	ND	500	100		Trichlorofluoromethane	ND	5000	100	
1,3-Dichlorobenzene	ND	500	100		1,3,5-Trimethylbenzene	ND	500	100	
1,4-Dichlorobenzene	ND	500	100		Vinyl Acetate	ND	5000	100	
Dichlorodifluoromethane	ND	500	100		Vinyl Chloride	ND	500	100	
1,1-Dichloroethane	ND	500	100		Xylenes (total)	ND	500	100	
1,2-Dichloroethane	ND	500	100		Methyl-t-Butyl Ether (MTBE)	ND	500	100	
1,1-Dichloroethene	ND	500	100		Tert-Butyl Alcohol (TBA)	ND	5000	100	
c-1,2-Dichloroethene	ND	500	100		Diisopropyl Ether (DIPE)	ND	1000	100	
t-1,2-Dichloroethene	ND	500	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	100	
1,2-Dichloropropane	ND	500	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	100	
1,3-Dichloropropane	ND	500	100		Ethanol	ND	50000	100	
2,2-Dichloropropane	ND	500	100		TPPH	ND	50000	100	
1,1-Dichloropropene	ND	500	100						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	107	73-139		1,2-Dichloroethane-d4	110	73-145	
Toluene-d8	100	90-108		1,4-Bromofluorobenzene	97	71-113	
Toluene-d8-TPPH	100	88-112					

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: 05/22/09
Work Order No: 09-05-2010

Project: 2350 Harrison St., Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix
B-1-5.5	09-05-2010-1	05/20/09	Solid

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	3000	100	1		mg/kg	05/28/09	05/28/09	EPA 1664A M

Client Sample Number	Lab Sample Number	Date Collected	Matrix
B-1-10'	09-05-2010-2	05/20/09	Solid

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	ND	10	1		mg/kg	05/28/09	05/28/09	EPA 1664A M

Client Sample Number	Lab Sample Number	Date Collected	Matrix
B-1-15'	09-05-2010-3	05/20/09	Solid

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	ND	10	1		mg/kg	05/28/09	05/28/09	EPA 1664A M

Client Sample Number	Lab Sample Number	Date Collected	Matrix
B-4-5.5'	09-05-2010-4	05/20/09	Solid

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	190	10	1		mg/kg	05/28/09	05/28/09	EPA 1664A M

Client Sample Number	Lab Sample Number	Date Collected	Matrix
B-4-10'	09-05-2010-5	05/20/09	Solid

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	68	10	1		mg/kg	05/28/09	05/28/09	EPA 1664A M

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: 05/22/09
Work Order No: 09-05-2010

Project: 2350 Harrison St., Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix
B-4-15'	09-05-2010-6	05/20/09	Solid

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	ND	10	1		mg/kg	05/28/09	05/28/09	EPA 1664A M

Client Sample Number	Lab Sample Number	Date Collected	Matrix
B-1-13'	09-05-2010-7	05/20/09	Solid

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	11	10	1		mg/kg	05/28/09	05/28/09	EPA 1664A M

Client Sample Number	Lab Sample Number	Date Collected	Matrix
B-1-7'	09-05-2010-8	05/20/09	Solid

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	290	10	1		mg/kg	05/28/09	05/28/09	EPA 1664A M

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

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM: Oil and Grease	ND	10	1		mg/kg	05/28/09	05/28/09	EPA 1664A M

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

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

Date Received: 05/22/09
Work Order No: 09-05-2010
Preparation: EPA 3550B
Method: EPA 8015B

Project 2350 Harrison St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-1-10'	Solid	GC 43	05/24/09	05/26/09	090524S05

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	88	95	64-130	6	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: 05/22/09
Work Order No: 09-05-2010
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project 2350 Harrison St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-4-15'	Solid	GC 43	05/24/09	05/26/09	090524S06

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	89	99	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: 05/22/09
Work Order No: 09-05-2010
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 2350 Harrison St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-05-2122-2	Solid	GC/MS PP	05/27/09	05/28/09	090527S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	98	79-115	1	0-13	
Carbon Tetrachloride	107	108	55-139	2	0-15	
Chlorobenzene	96	97	79-115	1	0-17	
1,2-Dibromoethane	99	99	70-130	0	0-30	
1,2-Dichlorobenzene	93	94	63-123	1	0-23	
1,1-Dichloroethene	96	96	69-123	0	0-16	
Ethylbenzene	99	99	70-130	0	0-30	
Toluene	97	97	79-115	0	0-15	
Trichloroethene	96	96	66-144	0	0-14	
Vinyl Chloride	113	112	60-126	0	0-14	
Methyl-t-Butyl Ether (MTBE)	1007	1058	68-128	2	0-14	3
Tert-Butyl Alcohol (TBA)	92	89	44-134	3	0-37	
Diisopropyl Ether (DIPE)	91	92	75-123	1	0-12	
Ethyl-t-Butyl Ether (ETBE)	99	98	75-117	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	99	99	79-115	1	0-12	
Ethanol	16	36	42-138	75	0-28	3,4

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: 05/22/09
Work Order No: 09-05-2010
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 2350 Harrison St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-05-2431-1	Solid	GC/MS PP	05/29/09	05/29/09	090529S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	99	79-115	2	0-13	
Carbon Tetrachloride	120	125	55-139	5	0-15	
Chlorobenzene	101	102	79-115	1	0-17	
1,2-Dibromoethane	102	103	70-130	1	0-30	
1,2-Dichlorobenzene	98	100	63-123	2	0-23	
1,1-Dichloroethene	101	102	69-123	2	0-16	
Ethylbenzene	103	103	70-130	1	0-30	
Toluene	99	101	79-115	2	0-15	
Trichloroethene	105	107	66-144	2	0-14	
Vinyl Chloride	113	117	60-126	3	0-14	
Methyl-t-Butyl Ether (MTBE)	101	105	68-128	4	0-14	
Tert-Butyl Alcohol (TBA)	98	97	44-134	1	0-37	
Diisopropyl Ether (DIPE)	89	93	75-123	4	0-12	
Ethyl-t-Butyl Ether (ETBE)	93	96	75-117	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	94	98	79-115	3	0-12	
Ethanol	120	118	42-138	2	0-28	

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:	09-05-2010
Emeryville, CA 94608-2008	Preparation:	EPA 3550B
	Method:	EPA 8015B

Project: 2350 Harrison St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-025-726	Solid	GC 43	05/24/09	05/26/09	090524B05

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	97	98	75-123	1	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

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

Date Received: N/A
Work Order No: 09-05-2010
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: 2350 Harrison St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-254-767	Solid	GC 43	05/24/09	05/26/09	090524B06

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	85	87	75-123	2	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: 09-05-2010
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 2350 Harrison St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-455	Solid	GC/MS PP	05/27/09	05/28/09	050927L04

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	96	99	84-114	79-119	3	0-7	
Carbon Tetrachloride	103	109	66-132	55-143	6	0-12	
Chlorobenzene	98	100	87-111	83-115	2	0-7	
1,2-Dibromoethane	104	106	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	101	99	79-115	73-121	2	0-8	
1,1-Dichloroethene	92	98	73-121	65-129	6	0-12	
Ethylbenzene	100	103	80-120	73-127	2	0-20	
Toluene	96	100	78-114	72-120	4	0-7	
Trichloroethene	106	105	84-114	79-119	1	0-8	
Vinyl Chloride	104	112	63-129	52-140	8	0-15	
Methyl-t-Butyl Ether (MTBE)	97	98	77-125	69-133	2	0-11	
Tert-Butyl Alcohol (TBA)	96	95	47-137	32-152	1	0-27	
Diisopropyl Ether (DIPE)	86	87	76-130	67-139	2	0-8	
Ethyl-t-Butyl Ether (ETBE)	94	95	76-124	68-132	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	96	97	82-118	76-124	1	0-11	
Ethanol	118	106	59-131	47-143	11	0-21	
TPPH	96	100	65-135	53-147	3	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 09-05-2010
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 2350 Harrison St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-460	Solid	GC/MS PP	05/29/09	05/29/09	090529L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	99	97	84-114	79-119	3	0-7	
Carbon Tetrachloride	118	115	66-132	55-143	2	0-12	
Chlorobenzene	103	101	87-111	83-115	2	0-7	
1,2-Dibromoethane	104	107	80-120	73-127	3	0-20	
1,2-Dichlorobenzene	104	101	79-115	73-121	3	0-8	
1,1-Dichloroethene	99	97	73-121	65-129	2	0-12	
Ethylbenzene	104	101	80-120	73-127	2	0-20	
Toluene	100	98	78-114	72-120	3	0-7	
Trichloroethene	106	101	84-114	79-119	5	0-8	
Vinyl Chloride	108	107	63-129	52-140	1	0-15	
Methyl-t-Butyl Ether (MTBE)	98	102	77-125	69-133	3	0-11	
Tert-Butyl Alcohol (TBA)	97	99	47-137	32-152	2	0-27	
Diisopropyl Ether (DIPE)	90	90	76-130	67-139	0	0-8	
Ethyl-t-Butyl Ether (ETBE)	96	98	76-124	68-132	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	98	100	82-118	76-124	2	0-11	
Ethanol	127	115	59-131	47-143	10	0-21	
TPPH	97	96	65-135	53-147	1	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH NELAC

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

Date Received: N/A
Work Order No: 09-05-2010

Project: 2350 Harrison St., Oakland, CA

Matrix: Solid

Parameter	Method	Quality Control Sample ID	Date Extracted	Date Analyzed	LCS % REC	LCSD % REC	%REC CL	RPD	RPD CL	Qual
HEM: Oil and Grease	EPA 1664A M	099-12-040-206	05/28/09	05/28/09	92	92	80-120	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-05-2010

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: Denis Brown

PO #:

INCIDENT # (ENV SERVICES): 97743961 [ ] CHECK IF NO INCIDENT # APPLIES

SAP #: 173318

DATE: 5/20/09

PAGE: 1 of 1

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

SAMPLER NAME(S) (Print): Erin Reinhart-Koylu

LAB USE ONLY: 05- 2010

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)	Full Scan VOCs (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	B-1 – 5.5' ..	5/20/09	1:26	Soil					X		2		X						X						X	X	
2	B-1 – 10' ..		1:30	Soil					X		2		X						X						X	X	
3	B-1 – 15' ..		1:35	Soil					X		2		X						X						X	X	
4	B-4 – 5.5' ..		2:35	Soil					X		2										X				X	X	
5	B-4 – 10' ..		2:40	Soil					X		2										X				X	X	
6	B-4 – 15'		2:45	Soil					X		2										X				X	X	
7	B-1-13' ..	5/20/09	1:33	Soil					X		2		X						X						X	X	
8	B-1-7' ..	5/20/09	1:28	Soil					X		2		X						X						X	X	

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature) Erin Reinhart-Koylu	Received by: (Signature) Secure location	Date: 5/20/09	Time: 5:00
Relinquished by: (Signature)	Received by: (Signature) CEL	Date: 5-21-09	Time: 1515
Relinquished by: (Signature) CEL 5-21-09 1730 TK#511912865	Received by: (Signature) Dannyle CEL	Date: 5/22/09	Time: 11:00

05/2/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-05- 2 0 1 0

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: CRA DATE: 05/22/09

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

Temperature 3.0 °C - 0.2 °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:** DL

CUSTODY SEALS INTACT:

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

☐ 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.			
☐ COC not relinquished. ☐ No date relinquished. ☐ No time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

Water: ☐VOA ☐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** ☐100PB ☐100PB**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® ☐_____ **Other:** ☐_____ **Checked/Labeled by:** SO

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar (Wide-mouth) B: Bottle (Narrow-mouth) **Reviewed by:** WJC

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

Calscience
Environmental
Laboratories, Inc.

June 08, 2009

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

Subject: **Calscience Work Order No.: 09-05-2011**
Client Reference: 2350 Harrison St., Oakland, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 5/22/2009 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Calscience Environmental
Laboratories, Inc.
Jessie Lee
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received:	05/22/09
Work Order No:	09-05-2011
Preparation:	N/A
Method:	EPA 1664A

Project: 2350 Harrison St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HP-1	09-05-2011-1-F	05/20/09 09:37	Aqueous	N/A	06/02/09	06/02/09 12:45	90602HEML1

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	111	10	1		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HP-2	09-05-2011-2-F	05/20/09 11:31	Aqueous	N/A	06/02/09	06/02/09 12:45	90602HEML1

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	715	10	1		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-05-119-1,915	N/A	Aqueous	N/A	06/02/09	06/02/09 12:45	90602HEML1

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: 05/22/09
Work Order No: 09-05-2011
Preparation: EPA 3510C
Method: EPA 8015B

Project: 2350 Harrison St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HP-1	09-05-2011-1-A	05/20/09 09:37	Aqueous	GC 46	05/27/09	06/01/09 13:29	090526B13

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	36000	2500	50		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	109	68-140			

HP-2	09-05-2011-2-A	05/20/09 11:31	Aqueous	GC 46	05/27/09	06/01/09 13:45	090526B13

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	58000	2500	50		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	118	68-140			

Method Blank	099-12-211-1,169	N/A	Aqueous	GC 46	05/26/09	05/29/09 21:43	090526B13

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	111	68-140			

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	05/22/09
5900 Hollis Street, Suite A		Work Order No:	09-05-2011
Emeryville, CA 94608-2008		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	ug/L
Project: 2350 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
HP-1	09-05-2011-1-C	05/20/09 09:37	Aqueous	GC/MS RR	06/01/09	06/01/09 20:39	090601L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	5.0	10		Tert-Butyl Alcohol (TBA)	ND	100	10	
Ethylbenzene	ND	10	10		Diisopropyl Ether (DIPE)	ND	20	10	
Toluene	ND	10	10		Ethyl-t-Butyl Ether (ETBE)	ND	20	10	
Xylenes (total)	ND	10	10		Tert-Amyl-Methyl Ether (TAME)	ND	20	10	
Methyl-t-Butyl Ether (MTBE)	ND	10	10		TPPH	11000	500	10	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	97	74-140			1,2-Dichloroethane-d4	98	74-146		
Toluene-d8	99	88-112			Toluene-d8-TPPH	97	88-112		
1,4-Bromofluorobenzene	97	74-110							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HP-2	09-05-2011-2-C	05/20/09 11:31	Aqueous	GC/MS RR	06/01/09	06/01/09 21:04	090601L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	5.0	10		Tert-Butyl Alcohol (TBA)	ND	100	10	
Ethylbenzene	ND	10	10		Diisopropyl Ether (DIPE)	ND	20	10	
Toluene	ND	10	10		Ethyl-t-Butyl Ether (ETBE)	ND	20	10	
Xylenes (total)	ND	10	10		Tert-Amyl-Methyl Ether (TAME)	ND	20	10	
Methyl-t-Butyl Ether (MTBE)	ND	10	10		TPPH	14000	500	10	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	97	74-140			1,2-Dichloroethane-d4	97	74-146		
Toluene-d8	99	88-112			Toluene-d8-TPPH	98	88-112		
1,4-Bromofluorobenzene	100	74-110							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-1,882	N/A	Aqueous	GC/MS RR	06/01/09	06/01/09 16:53	090601L01

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	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		TPPH	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	99	74-140			1,2-Dichloroethane-d4	100	74-146		
Toluene-d8	99	88-112			Toluene-d8-TPPH	97	88-112		
1,4-Bromofluorobenzene	98	74-110							

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: 05/22/09
Work Order No: 09-05-2011
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 2350 Harrison St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-05-2040-1	Aqueous	GC/MS RR	06/01/09	06/02/09	090601S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	92	93	88-118	1	0-7	
Carbon Tetrachloride	79	85	67-145	7	0-11	
Chlorobenzene	89	89	88-118	1	0-7	
1,2-Dibromoethane	94	93	70-130	1	0-30	
1,2-Dichlorobenzene	88	88	86-116	1	0-8	
1,1-Dichloroethene	87	88	70-130	0	0-25	
Ethylbenzene	88	88	70-130	1	0-30	
Toluene	90	90	87-123	0	0-8	
Trichloroethene	88	89	79-127	1	0-10	
Vinyl Chloride	91	92	69-129	2	0-13	
Methyl-t-Butyl Ether (MTBE)	93	92	71-131	2	0-13	
Tert-Butyl Alcohol (TBA)	93	96	36-168	2	0-45	
Diisopropyl Ether (DIPE)	91	92	81-123	1	0-9	
Ethyl-t-Butyl Ether (ETBE)	91	90	72-126	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	90	90	72-126	0	0-12	
Ethanol	92	87	53-149	5	0-31	

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:	09-05-2011
Preparation:	N/A
Method:	EPA 1664A

Project: 2350 Harrison St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-05-119-1,915	Aqueous	N/A	06/02/09	06/02/09	90602HEML1

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
HEM: Oil and Grease	92	91	78-114	1	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

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

Date Received: N/A
Work Order No: 09-05-2011
Preparation: EPA 3510C
Method: EPA 8015B

Project: 2350 Harrison St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-211-1,169	Aqueous	GC 46	05/26/09	05/29/09	090526B13

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	113	115	75-117	2	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: 09-05-2011
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 2350 Harrison St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-1,882	Aqueous	GC/MS RR	06/01/09	06/01/09	090601L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	92	91	84-120	78-126	2	0-8	
Carbon Tetrachloride	91	91	63-147	49-161	0	0-10	
Chlorobenzene	92	91	89-119	84-124	1	0-7	
1,2-Dibromoethane	94	96	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	92	90	89-119	84-124	2	0-9	
1,1-Dichloroethene	92	90	77-125	69-133	2	0-16	
Ethylbenzene	92	91	80-120	73-127	1	0-20	
Toluene	91	90	83-125	76-132	2	0-9	
Trichloroethene	92	90	89-119	84-124	3	0-8	
Vinyl Chloride	93	99	63-135	51-147	6	0-13	
Methyl-t-Butyl Ether (MTBE)	93	94	82-118	76-124	1	0-13	
Tert-Butyl Alcohol (TBA)	90	89	46-154	28-172	1	0-32	
Diisopropyl Ether (DIPE)	94	93	81-123	74-130	1	0-11	
Ethyl-t-Butyl Ether (ETBE)	92	93	74-122	66-130	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	92	93	76-124	68-132	1	0-10	
Ethanol	81	72	60-138	47-151	12	0-32	
TPPH	77	78	65-135	53-147	2	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-05-2011

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

NO prev / Amber

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
- [ ] CONSULTANT
- [ ] LUBES
- [ ] SHELL PIPELINE
- [ ] OTHER _____

Print Bill To Contact Name: Denis Brown

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

DATE: 5/20/09

PO #:

SAP #: 1 7 3 3 1 8

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

LAB USE ONLY: 05-2011

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)	MTBE, DIPE, ETBE, TAME, & TBA (8260B)	Methanol (8015M)	TPH - MO (8015M)	CAM17 Metals - Total (6010)	SVOCs (8270C)	VOCs (8260)	Oil & Grease (418.1) (2664)	TPHd (8015M)	Container PID Readings or Laboratory Notes
1	HP-1	5/20/09	9:37	GW	X		X		X	6		X	X					X						X	X	
2	HP-2	5/20/09	11:31	GW	X		X		X	6		X	X					X						X	X	

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date: 5/20/09	Time: 5:00
Relinquished by: (Signature)	Received by: (Signature) CEL	Date: 5-21-09	Time: 1515
Relinquished by: (Signature) CO 5-21-09 650 1730 TK# 511912865	Received by: (Signature) Danny Le CEL	Date: 5/27/09	Time: 11:00

05/2/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-05-2011

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: CRA

DATE: 05/22/09

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

Temperature 3.0 °C - 0.2 °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:** DL

CUSTODY SEALS INTACT:

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

☐ 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.			
☐ COC not relinquished. ☐ No date relinquished. ☐ No time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

Water: ☐VOA ☑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** ☐100PB ☐100PB**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® ☐_____ **Other:** ☐_____ **Checked/Labeled by:** SO

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar (Wide-mouth) B: Bottle (Narrow-mouth) **Reviewed by:** WSC

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

Calscience
Environmental
Laboratories, Inc.

Supplemental Report 2

June 26, 2009

Additional requested analyses have been added to the original report.

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

Subject: **Calscience Work Order No.: 09-05-2153**
Client Reference: 2350 Harrison St., Oakland, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 5/23/2009 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Calscience Environmental
Laboratories, Inc.
Jessie Lee
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received: 05/23/09
5900 Hollis Street, Suite A	Work Order No: 09-05-2153
Emeryville, CA 94608-2008	Preparation: EPA 3550B
	Method: EPA 1664A M

Project: 2350 Harrison St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-5.5'	09-05-2153-1-B	05/21/09 12:30	Solid	N/A	06/12/09	06/12/09 12:30	90612HEML1

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	40	10	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-10'	09-05-2153-2-B	05/21/09 12:35	Solid	N/A	06/12/09	06/12/09 12:30	90612HEML1

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-15'	09-05-2153-3-B	05/21/09 12:40	Solid	N/A	06/12/09	06/12/09 12:30	90612HEML1

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	24	10	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-3-5.5'	09-05-2153-4-B	05/21/09 13:10	Solid	N/A	06/12/09	06/12/09 12:30	90612HEML1

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	38	10	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-3-10'	09-05-2153-5-B	05/21/09 13:15	Solid	N/A	06/12/09	06/12/09 12:30	90612HEML1

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	230	10	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-3-15'	09-05-2153-6-B	05/21/09 13:20	Solid	N/A	06/12/09	06/12/09 12:30	90612HEML1

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:	05/23/09
5900 Hollis Street, Suite A	Work Order No:	09-05-2153
Emeryville, CA 94608-2008	Preparation:	EPA 3550B
	Method:	EPA 1664A M

Project: 2350 Harrison St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-7'	**09-05-2153-7-B**	**05/21/09 12:32**	**Solid**	**N/A**	**06/12/09**	**06/12/09 12:30**	**90612HEML1**

Parameter	Result	RL	DF	Qual	Units
HEM: Oil and Grease	600	10	1		mg/kg

Method Blank	099-12-040-228	N/A	Solid	N/A	06/12/09	06/12/09 12:30	90612HEML1

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
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 05/23/09
Work Order No: 09-05-2153
Preparation: EPA 3550B
Method: EPA 8015B

Project: 2350 Harrison St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-5.5'	09-05-2153-1-A	05/21/09 12:30	Solid	GC 47	05/29/09	05/30/09 10:41	090529B07

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	95	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-10'	09-05-2153-2-A	05/21/09 12:35	Solid	GC 47	05/29/09	05/30/09 10:59	090529B07

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	39	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	89	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-15'	09-05-2153-3-A	05/21/09 12:40	Solid	GC 47	05/29/09	05/30/09 11:15	090529B07

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	5.2	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	92	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: 05/23/09
Work Order No: 09-05-2153
Preparation: EPA 3550B
Method: EPA 8015B

Project: 2350 Harrison St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-3-5.5'	**09-05-2153-4-A**	**05/21/09 13:10**	**Solid**	**GC 47**	**05/29/09**	**05/30/09 11:33**	**090529B07**

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	6.4	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	90	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-3-10'	**09-05-2153-5-A**	**05/21/09 13:15**	**Solid**	**GC 47**	**05/29/09**	**05/30/09 11:49**	**090529B07**

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	44	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	92	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-3-15'	**09-05-2153-6-A**	**05/21/09 13:20**	**Solid**	**GC 47**	**05/29/09**	**05/30/09 12:06**	**090529B07**

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	90	61-145	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	05/23/09
5900 Hollis Street, Suite A	Work Order No:	09-05-2153
Emeryville, CA 94608-2008	Preparation:	EPA 3550B
	Method:	EPA 8015B

Project: 2350 Harrison St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-7'	**09-05-2153-7-A**	**05/21/09 12:32**	**Solid**	**GC 47**	**05/29/09**	**05/30/09 12:23**	**090529B07**

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	190	10	2		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	95	61-145	

Method Blank	099-12-025-731	N/A	Solid	GC 47	05/29/09	05/30/09 05:20	090529B07

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	92	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: 05/23/09
Work Order No: 09-05-2153
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

Project: 2350 Harrison St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-5.5'	09-05-2153-1-B	05/21/09 12:30	Solid	GC/MS PP	06/02/09	06/02/09 16:19	090602L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	12	100		c-1,3-Dichloropropene	ND	0.50	100	
Benzene	1.5	0.50	100		t-1,3-Dichloropropene	ND	0.50	100	
Bromobenzene	ND	0.50	100		Ethylbenzene	ND	0.50	100	
Bromochloromethane	ND	0.50	100		2-Hexanone	ND	5.0	100	
Bromodichloromethane	ND	0.50	100		Isopropylbenzene	ND	0.50	100	
Bromoform	ND	0.50	100		p-Isopropyltoluene	ND	0.50	100	
Bromomethane	ND	2.5	100		Methylene Chloride	ND	5.0	100	
2-Butanone	ND	5.0	100		4-Methyl-2-Pentanone	ND	5.0	100	
n-Butylbenzene	ND	0.50	100		Naphthalene	ND	5.0	100	
sec-Butylbenzene	ND	0.50	100		n-Propylbenzene	0.57	0.50	100	
tert-Butylbenzene	ND	0.50	100		Styrene	ND	0.50	100	
Carbon Disulfide	ND	5.0	100		1,1,1,2-Tetrachloroethane	ND	0.50	100	
Carbon Tetrachloride	ND	0.50	100		1,1,2,2-Tetrachloroethane	ND	0.50	100	
Chlorobenzene	ND	0.50	100		Tetrachloroethene	ND	0.50	100	
Chloroethane	ND	0.50	100		Toluene	ND	0.50	100	
Chloroform	ND	0.50	100		1,2,3-Trichlorobenzene	ND	1.0	100	
Chloromethane	ND	2.5	100		1,2,4-Trichlorobenzene	ND	0.50	100	
2-Chlorotoluene	ND	0.50	100		1,1,1-Trichloroethane	ND	0.50	100	
4-Chlorotoluene	ND	0.50	100		1,1,2-Trichloroethane	ND	0.50	100	
Dibromochloromethane	ND	0.50	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5.0	100	
1,2-Dibromo-3-Chloropropane	ND	2.5	100		Trichloroethene	ND	0.50	100	
1,2-Dibromoethane	ND	0.50	100		1,2,3-Trichloropropane	ND	0.50	100	
Dibromomethane	ND	0.50	100		1,2,4-Trimethylbenzene	ND	0.50	100	
1,2-Dichlorobenzene	ND	0.50	100		Trichlorofluoromethane	ND	5.0	100	
1,3-Dichlorobenzene	ND	0.50	100		1,3,5-Trimethylbenzene	ND	0.50	100	
1,4-Dichlorobenzene	ND	0.50	100		Vinyl Acetate	ND	5.0	100	
Dichlorodifluoromethane	ND	0.50	100		Vinyl Chloride	ND	0.50	100	
1,1-Dichloroethane	ND	0.50	100		Xylenes (total)	ND	0.50	100	
1,2-Dichloroethane	ND	0.50	100		Methyl-t-Butyl Ether (MTBE)	ND	0.50	100	
1,1-Dichloroethene	ND	0.50	100		Tert-Butyl Alcohol (TBA)	ND	5.0	100	
c-1,2-Dichloroethene	ND	0.50	100		Diisopropyl Ether (DIPE)	ND	1.0	100	
t-1,2-Dichloroethene	ND	0.50	100		Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	
1,2-Dichloropropane	ND	0.50	100		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	
1,3-Dichloropropane	ND	0.50	100		Ethanol	ND	50	100	
2,2-Dichloropropane	ND	0.50	100		TPPH	64	50	100	
1,1-Dichloropropene	ND	0.50	100						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	73-139		1,2-Dichloroethane-d4	104	73-145	
Toluene-d8	102	90-108		1,4-Bromofluorobenzene	100	71-113	
Toluene-d8-TPPH	103	88-112					

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: 05/23/09
Work Order No: 09-05-2153
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

Project: 2350 Harrison St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-10'	09-05-2153-2-B	05/21/09 12:35	Solid	GC/MS PP	06/02/09	06/02/09 16:47	090602L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	400		c-1,3-Dichloropropene	ND	2.0	400	
Benzene	ND	2.0	400		t-1,3-Dichloropropene	ND	2.0	400	
Bromobenzene	ND	2.0	400		Ethylbenzene	ND	2.0	400	
Bromochloromethane	ND	2.0	400		2-Hexanone	ND	20	400	
Bromodichloromethane	ND	2.0	400		Isopropylbenzene	ND	2.0	400	
Bromoform	ND	2.0	400		p-Isopropyltoluene	ND	2.0	400	
Bromomethane	ND	10	400		Methylene Chloride	ND	20	400	
2-Butanone	ND	20	400		4-Methyl-2-Pentanone	ND	20	400	
n-Butylbenzene	ND	2.0	400		Naphthalene	ND	20	400	
sec-Butylbenzene	ND	2.0	400		n-Propylbenzene	ND	2.0	400	
tert-Butylbenzene	ND	2.0	400		Styrene	ND	2.0	400	
Carbon Disulfide	ND	20	400		1,1,1,2-Tetrachloroethane	ND	2.0	400	
Carbon Tetrachloride	ND	2.0	400		1,1,2,2-Tetrachloroethane	ND	2.0	400	
Chlorobenzene	ND	2.0	400		Tetrachloroethene	ND	2.0	400	
Chloroethane	ND	2.0	400		Toluene	ND	2.0	400	
Chloroform	ND	2.0	400		1,2,3-Trichlorobenzene	ND	4.0	400	
Chloromethane	ND	10	400		1,2,4-Trichlorobenzene	ND	2.0	400	
2-Chlorotoluene	ND	2.0	400		1,1,1-Trichloroethane	ND	2.0	400	
4-Chlorotoluene	ND	2.0	400		1,1,2-Trichloroethane	ND	2.0	400	
Dibromochloromethane	ND	2.0	400		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	20	400	
1,2-Dibromo-3-Chloropropane	ND	10	400		Trichloroethene	ND	2.0	400	
1,2-Dibromoethane	ND	2.0	400		1,2,3-Trichloropropane	ND	2.0	400	
Dibromomethane	ND	2.0	400		1,2,4-Trimethylbenzene	ND	2.0	400	
1,2-Dichlorobenzene	ND	2.0	400		Trichlorofluoromethane	ND	20	400	
1,3-Dichlorobenzene	ND	2.0	400		1,3,5-Trimethylbenzene	ND	2.0	400	
1,4-Dichlorobenzene	ND	2.0	400		Vinyl Acetate	ND	20	400	
Dichlorodifluoromethane	ND	2.0	400		Vinyl Chloride	ND	2.0	400	
1,1-Dichloroethane	ND	2.0	400		Xylenes (total)	ND	2.0	400	
1,2-Dichloroethane	ND	2.0	400		Methyl-t-Butyl Ether (MTBE)	ND	2.0	400	
1,1-Dichloroethene	ND	2.0	400		Tert-Butyl Alcohol (TBA)	ND	20	400	
c-1,2-Dichloroethene	ND	2.0	400		Diisopropyl Ether (DIPE)	ND	4.0	400	
t-1,2-Dichloroethene	ND	2.0	400		Ethyl-t-Butyl Ether (ETBE)	ND	4.0	400	
1,2-Dichloropropane	ND	2.0	400		Tert-Amyl-Methyl Ether (TAME)	ND	4.0	400	
1,3-Dichloropropane	ND	2.0	400		Ethanol	ND	200	400	
2,2-Dichloropropane	ND	2.0	400		TPPH	870	200	400	
1,1-Dichloropropene	ND	2.0	400						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	73-139		1,2-Dichloroethane-d4	107	73-145	
Toluene-d8	102	90-108		1,4-Bromofluorobenzene	104	71-113	
Toluene-d8-TPPH	105	88-112					

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: 05/23/09
Work Order No: 09-05-2153
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

Project: 2350 Harrison St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-15'	09-05-2153-3-B	05/21/09 12:40	Solid	GC/MS PP	05/30/09	05/31/09 07:06	090530L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	12	100		c-1,3-Dichloropropene	ND	0.50	100	
Benzene	ND	0.50	100		t-1,3-Dichloropropene	ND	0.50	100	
Bromobenzene	ND	0.50	100		Ethylbenzene	ND	0.50	100	
Bromochloromethane	ND	0.50	100		2-Hexanone	ND	5.0	100	
Bromodichloromethane	ND	0.50	100		Isopropylbenzene	ND	0.50	100	
Bromoform	ND	0.50	100		p-Isopropyltoluene	ND	0.50	100	
Bromomethane	ND	2.5	100		Methylene Chloride	ND	5.0	100	
2-Butanone	ND	5.0	100		4-Methyl-2-Pentanone	ND	5.0	100	
n-Butylbenzene	ND	0.50	100		Naphthalene	ND	5.0	100	
sec-Butylbenzene	ND	0.50	100		n-Propylbenzene	ND	0.50	100	
tert-Butylbenzene	ND	0.50	100		Styrene	ND	0.50	100	
Carbon Disulfide	ND	5.0	100		1,1,1,2-Tetrachloroethane	ND	0.50	100	
Carbon Tetrachloride	ND	0.50	100		1,1,2,2-Tetrachloroethane	ND	0.50	100	
Chlorobenzene	ND	0.50	100		Tetrachloroethene	ND	0.50	100	
Chloroethane	ND	0.50	100		Toluene	ND	0.50	100	
Chloroform	ND	0.50	100		1,2,3-Trichlorobenzene	ND	1.0	100	
Chloromethane	ND	2.5	100		1,2,4-Trichlorobenzene	ND	0.50	100	
2-Chlorotoluene	ND	0.50	100		1,1,1-Trichloroethane	ND	0.50	100	
4-Chlorotoluene	ND	0.50	100		1,1,2-Trichloroethane	ND	0.50	100	
Dibromochloromethane	ND	0.50	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5.0	100	
1,2-Dibromo-3-Chloropropane	ND	2.5	100		Trichloroethene	ND	0.50	100	
1,2-Dibromoethane	ND	0.50	100		1,2,3-Trichloropropane	ND	0.50	100	
Dibromomethane	ND	0.50	100		1,2,4-Trimethylbenzene	ND	0.50	100	
1,2-Dichlorobenzene	ND	0.50	100		Trichlorofluoromethane	ND	5.0	100	
1,3-Dichlorobenzene	ND	0.50	100		1,3,5-Trimethylbenzene	ND	0.50	100	
1,4-Dichlorobenzene	ND	0.50	100		Vinyl Acetate	ND	5.0	100	
Dichlorodifluoromethane	ND	0.50	100		Vinyl Chloride	ND	0.50	100	
1,1-Dichloroethane	ND	0.50	100		Xylenes (total)	ND	0.50	100	
1,2-Dichloroethane	ND	0.50	100		Methyl-t-Butyl Ether (MTBE)	ND	0.50	100	
1,1-Dichloroethene	ND	0.50	100		Tert-Butyl Alcohol (TBA)	ND	5.0	100	
c-1,2-Dichloroethene	ND	0.50	100		Diisopropyl Ether (DIPE)	ND	1.0	100	
t-1,2-Dichloroethene	ND	0.50	100		Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	
1,2-Dichloropropane	ND	0.50	100		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	
1,3-Dichloropropane	ND	0.50	100		Ethanol	ND	50	100	
2,2-Dichloropropane	ND	0.50	100		TPPH	200	50	100	
1,1-Dichloropropene	ND	0.50	100						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	73-139		1,2-Dichloroethane-d4	107	73-145	
Toluene-d8	106	90-108		1,4-Bromofluorobenzene	105	71-113	
Toluene-d8-TPPH	109	88-112					

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: 05/23/09
Work Order No: 09-05-2153
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

Project: 2350 Harrison St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-3-5.5'	09-05-2153-4-B	05/21/09 13:10	Solid	GC/MS PP	06/02/09	06/02/09 17:14	090602L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	12	100		c-1,3-Dichloropropene	ND	0.50	100	
Benzene	2.4	0.50	100		t-1,3-Dichloropropene	ND	0.50	100	
Bromobenzene	ND	0.50	100		Ethylbenzene	0.87	0.50	100	
Bromochloromethane	ND	0.50	100		2-Hexanone	ND	5.0	100	
Bromodichloromethane	ND	0.50	100		Isopropylbenzene	ND	0.50	100	
Bromoform	ND	0.50	100		p-Isopropyltoluene	ND	0.50	100	
Bromomethane	ND	2.5	100		Methylene Chloride	ND	5.0	100	
2-Butanone	ND	5.0	100		4-Methyl-2-Pentanone	ND	5.0	100	
n-Butylbenzene	ND	0.50	100		Naphthalene	ND	5.0	100	
sec-Butylbenzene	ND	0.50	100		n-Propylbenzene	0.75	0.50	100	
tert-Butylbenzene	ND	0.50	100		Styrene	ND	0.50	100	
Carbon Disulfide	ND	5.0	100		1,1,1,2-Tetrachloroethane	ND	0.50	100	
Carbon Tetrachloride	ND	0.50	100		1,1,2,2-Tetrachloroethane	ND	0.50	100	
Chlorobenzene	ND	0.50	100		Tetrachloroethene	ND	0.50	100	
Chloroethane	ND	0.50	100		Toluene	ND	0.50	100	
Chloroform	ND	0.50	100		1,2,3-Trichlorobenzene	ND	1.0	100	
Chloromethane	ND	2.5	100		1,2,4-Trichlorobenzene	ND	0.50	100	
2-Chlorotoluene	ND	0.50	100		1,1,1-Trichloroethane	ND	0.50	100	
4-Chlorotoluene	ND	0.50	100		1,1,2-Trichloroethane	ND	0.50	100	
Dibromochloromethane	ND	0.50	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5.0	100	
1,2-Dibromo-3-Chloropropane	ND	2.5	100		Trichloroethene	ND	0.50	100	
1,2-Dibromoethane	ND	0.50	100		1,2,3-Trichloropropane	ND	0.50	100	
Dibromomethane	ND	0.50	100		1,2,4-Trimethylbenzene	ND	0.50	100	
1,2-Dichlorobenzene	ND	0.50	100		Trichlorofluoromethane	ND	5.0	100	
1,3-Dichlorobenzene	ND	0.50	100		1,3,5-Trimethylbenzene	ND	0.50	100	
1,4-Dichlorobenzene	ND	0.50	100		Vinyl Acetate	ND	5.0	100	
Dichlorodifluoromethane	ND	0.50	100		Vinyl Chloride	ND	0.50	100	
1,1-Dichloroethane	ND	0.50	100		Xylenes (total)	ND	0.50	100	
1,2-Dichloroethane	ND	0.50	100		Methyl-t-Butyl Ether (MTBE)	ND	0.50	100	
1,1-Dichloroethene	ND	0.50	100		Tert-Butyl Alcohol (TBA)	ND	5.0	100	
c-1,2-Dichloroethene	ND	0.50	100		Diisopropyl Ether (DIPE)	ND	1.0	100	
t-1,2-Dichloroethene	ND	0.50	100		Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	
1,2-Dichloropropane	ND	0.50	100		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	
1,3-Dichloropropane	ND	0.50	100		Ethanol	ND	50	100	
2,2-Dichloropropane	ND	0.50	100		TPPH	56	50	100	
1,1-Dichloropropene	ND	0.50	100						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	73-139		1,2-Dichloroethane-d4	104	73-145	
Toluene-d8	100	90-108		1,4-Bromofluorobenzene	101	71-113	
Toluene-d8-TPPH	101	88-112					

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: 05/23/09
Work Order No: 09-05-2153
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

Project: 2350 Harrison St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-3-10'	09-05-2153-5-B	05/21/09 13:15	Solid	GC/MS PP	05/30/09	05/31/09 08:01	090530L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	62	500		c-1,3-Dichloropropene	ND	2.5	500	
Benzene	ND	2.5	500		t-1,3-Dichloropropene	ND	2.5	500	
Bromobenzene	ND	2.5	500		Ethylbenzene	ND	2.5	500	
Bromochloromethane	ND	2.5	500		2-Hexanone	ND	25	500	
Bromodichloromethane	ND	2.5	500		Isopropylbenzene	ND	2.5	500	
Bromoform	ND	2.5	500		p-Isopropyltoluene	ND	2.5	500	
Bromomethane	ND	12	500		Methylene Chloride	ND	25	500	
2-Butanone	ND	25	500		4-Methyl-2-Pentanone	ND	25	500	
n-Butylbenzene	ND	2.5	500		Naphthalene	ND	25	500	
sec-Butylbenzene	ND	2.5	500		n-Propylbenzene	2.5	2.5	500	
tert-Butylbenzene	ND	2.5	500		Styrene	ND	2.5	500	
Carbon Disulfide	ND	25	500		1,1,1,2-Tetrachloroethane	ND	2.5	500	
Carbon Tetrachloride	ND	2.5	500		1,1,2,2-Tetrachloroethane	ND	2.5	500	
Chlorobenzene	ND	2.5	500		Tetrachloroethene	ND	2.5	500	
Chloroethane	ND	2.5	500		Toluene	ND	2.5	500	
Chloroform	ND	2.5	500		1,2,3-Trichlorobenzene	ND	5.0	500	
Chloromethane	ND	12	500		1,2,4-Trichlorobenzene	ND	2.5	500	
2-Chlorotoluene	ND	2.5	500		1,1,1-Trichloroethane	ND	2.5	500	
4-Chlorotoluene	ND	2.5	500		1,1,2-Trichloroethane	ND	2.5	500	
Dibromochloromethane	ND	2.5	500		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	25	500	
1,2-Dibromo-3-Chloropropane	ND	12	500		Trichloroethene	ND	2.5	500	
1,2-Dibromoethane	ND	2.5	500		1,2,3-Trichloropropane	ND	2.5	500	
Dibromomethane	ND	2.5	500		1,2,4-Trimethylbenzene	ND	2.5	500	
1,2-Dichlorobenzene	ND	2.5	500		Trichlorofluoromethane	ND	25	500	
1,3-Dichlorobenzene	ND	2.5	500		1,3,5-Trimethylbenzene	ND	2.5	500	
1,4-Dichlorobenzene	ND	2.5	500		Vinyl Acetate	ND	25	500	
Dichlorodifluoromethane	ND	2.5	500		Vinyl Chloride	ND	2.5	500	
1,1-Dichloroethane	ND	2.5	500		Xylenes (total)	ND	2.5	500	
1,2-Dichloroethane	ND	2.5	500		Methyl-t-Butyl Ether (MTBE)	ND	2.5	500	
1,1-Dichloroethene	ND	2.5	500		Tert-Butyl Alcohol (TBA)	ND	25	500	
c-1,2-Dichloroethene	ND	2.5	500		Diisopropyl Ether (DIPE)	ND	5.0	500	
t-1,2-Dichloroethene	ND	2.5	500		Ethyl-t-Butyl Ether (ETBE)	ND	5.0	500	
1,2-Dichloropropane	ND	2.5	500		Tert-Amyl-Methyl Ether (TAME)	ND	5.0	500	
1,3-Dichloropropane	ND	2.5	500		Ethanol	ND	250	500	
2,2-Dichloropropane	ND	2.5	500		TPPH	920	250	500	
1,1-Dichloropropene	ND	2.5	500						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	73-139		1,2-Dichloroethane-d4	105	73-145	
Toluene-d8	103	90-108		1,4-Bromofluorobenzene	105	71-113	
Toluene-d8-TPPH	107	88-112					

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: 05/23/09
Work Order No: 09-05-2153
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

Project: 2350 Harrison St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-3-15'	**09-05-2153-6-B**	**05/21/09 13:20**	**Solid**	**GC/MS PP**	**06/02/09**	**06/02/09 14:03**	**090602L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	0.12	1		c-1,3-Dichloropropene	ND	0.0050	1	
Benzene	ND	0.0050	1		t-1,3-Dichloropropene	ND	0.0050	1	
Bromobenzene	ND	0.0050	1		Ethylbenzene	ND	0.0050	1	
Bromochloromethane	ND	0.0050	1		2-Hexanone	ND	0.050	1	
Bromodichloromethane	ND	0.0050	1		Isopropylbenzene	ND	0.0050	1	
Bromoform	ND	0.0050	1		p-Isopropyltoluene	ND	0.0050	1	
Bromomethane	ND	0.025	1		Methylene Chloride	ND	0.050	1	
2-Butanone	ND	0.050	1		4-Methyl-2-Pentanone	ND	0.050	1	
n-Butylbenzene	ND	0.0050	1		Naphthalene	ND	0.050	1	
sec-Butylbenzene	ND	0.0050	1		n-Propylbenzene	ND	0.0050	1	
tert-Butylbenzene	ND	0.0050	1		Styrene	ND	0.0050	1	
Carbon Disulfide	ND	0.050	1		1,1,1,2-Tetrachloroethane	ND	0.0050	1	
Carbon Tetrachloride	ND	0.0050	1		1,1,2,2-Tetrachloroethane	ND	0.0050	1	
Chlorobenzene	ND	0.0050	1		Tetrachloroethene	ND	0.0050	1	
Chloroethane	ND	0.0050	1		Toluene	ND	0.0050	1	
Chloroform	ND	0.0050	1		1,2,3-Trichlorobenzene	ND	0.010	1	
Chloromethane	ND	0.025	1		1,2,4-Trichlorobenzene	ND	0.0050	1	
2-Chlorotoluene	ND	0.0050	1		1,1,1-Trichloroethane	ND	0.0050	1	
4-Chlorotoluene	ND	0.0050	1		1,1,2-Trichloroethane	ND	0.0050	1	
Dibromochloromethane	ND	0.0050	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	1	
1,2-Dibromo-3-Chloropropane	ND	0.025	1		Trichloroethene	ND	0.0050	1	
1,2-Dibromoethane	ND	0.0050	1		1,2,3-Trichloropropane	ND	0.0050	1	
Dibromomethane	ND	0.0050	1		1,2,4-Trimethylbenzene	ND	0.0050	1	
1,2-Dichlorobenzene	ND	0.0050	1		Trichlorofluoromethane	ND	0.050	1	
1,3-Dichlorobenzene	ND	0.0050	1		1,3,5-Trimethylbenzene	ND	0.0050	1	
1,4-Dichlorobenzene	ND	0.0050	1		Vinyl Acetate	ND	0.050	1	
Dichlorodifluoromethane	ND	0.0050	1		Vinyl Chloride	ND	0.0050	1	
1,1-Dichloroethane	ND	0.0050	1		Xylenes (total)	ND	0.0050	1	
1,2-Dichloroethane	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
1,1-Dichloroethene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
c-1,2-Dichloroethene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
t-1,2-Dichloroethene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
1,2-Dichloropropane	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
1,3-Dichloropropane	ND	0.0050	1		Ethanol	ND	0.50	1	
2,2-Dichloropropane	ND	0.0050	1		TPPH	2.1	0.50	1	
1,1-Dichloropropene	ND	0.0050	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	108	73-139		1,2-Dichloroethane-d4	120	73-145	
Toluene-d8	104	90-108		1,4-Bromofluorobenzene	106	71-113	
Toluene-d8-TPPH	109	88-112					

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: 05/23/09
Work Order No: 09-05-2153
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

Project: 2350 Harrison St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-7'	09-05-2153-7-B	05/21/09 12:32	Solid	GC/MS PP	06/02/09	06/02/09 15:52	090602L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	0.12	1		c-1,3-Dichloropropene	ND	0.0050	1	
Benzene	ND	0.0050	1		t-1,3-Dichloropropene	ND	0.0050	1	
Bromobenzene	ND	0.0050	1		Ethylbenzene	ND	0.0050	1	
Bromochloromethane	ND	0.0050	1		2-Hexanone	ND	0.050	1	
Bromodichloromethane	ND	0.0050	1		Isopropylbenzene	ND	0.0050	1	
Bromoform	ND	0.0050	1		p-Isopropyltoluene	ND	0.0050	1	
Bromomethane	ND	0.025	1		Methylene Chloride	ND	0.050	1	
2-Butanone	ND	0.050	1		4-Methyl-2-Pentanone	ND	0.050	1	
n-Butylbenzene	ND	0.0050	1		Naphthalene	ND	0.050	1	
sec-Butylbenzene	ND	0.0050	1		n-Propylbenzene	ND	0.0050	1	
tert-Butylbenzene	ND	0.0050	1		Styrene	ND	0.0050	1	
Carbon Disulfide	ND	0.050	1		1,1,1,2-Tetrachloroethane	ND	0.0050	1	
Carbon Tetrachloride	ND	0.0050	1		1,1,2,2-Tetrachloroethane	ND	0.0050	1	
Chlorobenzene	ND	0.0050	1		Tetrachloroethene	ND	0.0050	1	
Chloroethane	ND	0.0050	1		Toluene	ND	0.0050	1	
Chloroform	ND	0.0050	1		1,2,3-Trichlorobenzene	ND	0.010	1	
Chloromethane	ND	0.025	1		1,2,4-Trichlorobenzene	ND	0.0050	1	
2-Chlorotoluene	ND	0.0050	1		1,1,1-Trichloroethane	ND	0.0050	1	
4-Chlorotoluene	ND	0.0050	1		1,1,2-Trichloroethane	ND	0.0050	1	
Dibromochloromethane	ND	0.0050	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	1	
1,2-Dibromo-3-Chloropropane	ND	0.025	1		Trichloroethene	ND	0.0050	1	
1,2-Dibromoethane	ND	0.0050	1		1,2,3-Trichloropropane	ND	0.0050	1	
Dibromomethane	ND	0.0050	1		1,2,4-Trimethylbenzene	ND	0.0050	1	
1,2-Dichlorobenzene	ND	0.0050	1		Trichlorofluoromethane	ND	0.050	1	
1,3-Dichlorobenzene	ND	0.0050	1		1,3,5-Trimethylbenzene	ND	0.0050	1	
1,4-Dichlorobenzene	ND	0.0050	1		Vinyl Acetate	ND	0.050	1	
Dichlorodifluoromethane	ND	0.0050	1		Vinyl Chloride	ND	0.0050	1	
1,1-Dichloroethane	ND	0.0050	1		Xylenes (total)	ND	0.0050	1	
1,2-Dichloroethane	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
1,1-Dichloroethene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
c-1,2-Dichloroethene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
t-1,2-Dichloroethene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
1,2-Dichloropropane	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
1,3-Dichloropropane	ND	0.0050	1		Ethanol	ND	0.50	1	
2,2-Dichloropropane	ND	0.0050	1		TPPH	2.8	0.50	1	
1,1-Dichloropropene	ND	0.0050	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	73-139		1,2-Dichloroethane-d4	119	73-145	
Toluene-d8	100	90-108		1,4-Bromofluorobenzene	102	71-113	
Toluene-d8-TPPH	105	88-112					

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: 05/23/09
Work Order No: 09-05-2153
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

Project: 2350 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	**099-12-798-463**	**N/A**	**Solid**	**GC/MS PP**	**05/30/09**	**05/31/09 02:34**	**090530L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	12	100		c-1,3-Dichloropropene	ND	0.50	100	
Benzene	ND	0.50	100		t-1,3-Dichloropropene	ND	0.50	100	
Bromobenzene	ND	0.50	100		Ethylbenzene	ND	0.50	100	
Bromochloromethane	ND	0.50	100		2-Hexanone	ND	5.0	100	
Bromodichloromethane	ND	0.50	100		Isopropylbenzene	ND	0.50	100	
Bromoform	ND	0.50	100		p-Isopropyltoluene	ND	0.50	100	
Bromomethane	ND	2.5	100		Methylene Chloride	ND	5.0	100	
2-Butanone	ND	5.0	100		4-Methyl-2-Pentanone	ND	5.0	100	
n-Butylbenzene	ND	0.50	100		Naphthalene	ND	5.0	100	
sec-Butylbenzene	ND	0.50	100		n-Propylbenzene	ND	0.50	100	
tert-Butylbenzene	ND	0.50	100		Styrene	ND	0.50	100	
Carbon Disulfide	ND	5.0	100		1,1,1,2-Tetrachloroethane	ND	0.50	100	
Carbon Tetrachloride	ND	0.50	100		1,1,2,2-Tetrachloroethane	ND	0.50	100	
Chlorobenzene	ND	0.50	100		Tetrachloroethene	ND	0.50	100	
Chloroethane	ND	0.50	100		Toluene	ND	0.50	100	
Chloroform	ND	0.50	100		1,2,3-Trichlorobenzene	ND	1.0	100	
Chloromethane	ND	2.5	100		1,2,4-Trichlorobenzene	ND	0.50	100	
2-Chlorotoluene	ND	0.50	100		1,1,1-Trichloroethane	ND	0.50	100	
4-Chlorotoluene	ND	0.50	100		1,1,2-Trichloroethane	ND	0.50	100	
Dibromochloromethane	ND	0.50	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5.0	100	
1,2-Dibromo-3-Chloropropane	ND	2.5	100		Trichloroethene	ND	0.50	100	
1,2-Dibromoethane	ND	0.50	100		1,2,3-Trichloropropane	ND	0.50	100	
Dibromomethane	ND	0.50	100		1,2,4-Trimethylbenzene	ND	0.50	100	
1,2-Dichlorobenzene	ND	0.50	100		Trichlorofluoromethane	ND	5.0	100	
1,3-Dichlorobenzene	ND	0.50	100		1,3,5-Trimethylbenzene	ND	0.50	100	
1,4-Dichlorobenzene	ND	0.50	100		Vinyl Acetate	ND	5.0	100	
Dichlorodifluoromethane	ND	0.50	100		Vinyl Chloride	ND	0.50	100	
1,1-Dichloroethane	ND	0.50	100		Xylenes (total)	ND	0.50	100	
1,2-Dichloroethane	ND	0.50	100		Methyl-t-Butyl Ether (MTBE)	ND	0.50	100	
1,1-Dichloroethene	ND	0.50	100		Tert-Butyl Alcohol (TBA)	ND	5.0	100	
c-1,2-Dichloroethene	ND	0.50	100		Diisopropyl Ether (DIPE)	ND	1.0	100	
t-1,2-Dichloroethene	ND	0.50	100		Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	
1,2-Dichloropropane	ND	0.50	100		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	
1,3-Dichloropropane	ND	0.50	100		Ethanol	ND	50	100	
2,2-Dichloropropane	ND	0.50	100		TPPH	ND	50	100	
1,1-Dichloropropene	ND	0.50	100						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	73-139		1,2-Dichloroethane-d4	102	73-145	
Toluene-d8	100	90-108		1,4-Bromofluorobenzene	99	71-113	
Toluene-d8-TPPH	100	88-112					

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: 05/23/09
Work Order No: 09-05-2153
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

Project: 2350 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	**099-12-798-464**	**N/A**	**Solid**	**GC/MS PP**	**06/02/09**	**06/02/09 13:09**	**090602L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	0.12	1		c-1,3-Dichloropropene	ND	0.0050	1	
Benzene	ND	0.0050	1		t-1,3-Dichloropropene	ND	0.0050	1	
Bromobenzene	ND	0.0050	1		Ethylbenzene	ND	0.0050	1	
Bromochloromethane	ND	0.0050	1		2-Hexanone	ND	0.050	1	
Bromodichloromethane	ND	0.0050	1		Isopropylbenzene	ND	0.0050	1	
Bromoform	ND	0.0050	1		p-Isopropyltoluene	ND	0.0050	1	
Bromomethane	ND	0.025	1		Methylene Chloride	ND	0.050	1	
2-Butanone	ND	0.050	1		4-Methyl-2-Pentanone	ND	0.050	1	
n-Butylbenzene	ND	0.0050	1		Naphthalene	ND	0.050	1	
sec-Butylbenzene	ND	0.0050	1		n-Propylbenzene	ND	0.0050	1	
tert-Butylbenzene	ND	0.0050	1		Styrene	ND	0.0050	1	
Carbon Disulfide	ND	0.050	1		1,1,1,2-Tetrachloroethane	ND	0.0050	1	
Carbon Tetrachloride	ND	0.0050	1		1,1,2,2-Tetrachloroethane	ND	0.0050	1	
Chlorobenzene	ND	0.0050	1		Tetrachloroethene	ND	0.0050	1	
Chloroethane	ND	0.0050	1		Toluene	ND	0.0050	1	
Chloroform	ND	0.0050	1		1,2,3-Trichlorobenzene	ND	0.010	1	
Chloromethane	ND	0.025	1		1,2,4-Trichlorobenzene	ND	0.0050	1	
2-Chlorotoluene	ND	0.0050	1		1,1,1-Trichloroethane	ND	0.0050	1	
4-Chlorotoluene	ND	0.0050	1		1,1,2-Trichloroethane	ND	0.0050	1	
Dibromochloromethane	ND	0.0050	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	1	
1,2-Dibromo-3-Chloropropane	ND	0.025	1		Trichloroethene	ND	0.0050	1	
1,2-Dibromoethane	ND	0.0050	1		1,2,3-Trichloropropane	ND	0.0050	1	
Dibromomethane	ND	0.0050	1		1,2,4-Trimethylbenzene	ND	0.0050	1	
1,2-Dichlorobenzene	ND	0.0050	1		Trichlorofluoromethane	ND	0.050	1	
1,3-Dichlorobenzene	ND	0.0050	1		1,3,5-Trimethylbenzene	ND	0.0050	1	
1,4-Dichlorobenzene	ND	0.0050	1		Vinyl Acetate	ND	0.050	1	
Dichlorodifluoromethane	ND	0.0050	1		Vinyl Chloride	ND	0.0050	1	
1,1-Dichloroethane	ND	0.0050	1		Xylenes (total)	ND	0.0050	1	
1,2-Dichloroethane	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
1,1-Dichloroethene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
c-1,2-Dichloroethene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
t-1,2-Dichloroethene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
1,2-Dichloropropane	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
1,3-Dichloropropane	ND	0.0050	1		Ethanol	ND	0.50	1	
2,2-Dichloropropane	ND	0.0050	1		TPPH	ND	0.50	1	
1,1-Dichloropropene	ND	0.0050	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	108	73-139		1,2-Dichloroethane-d4	114	73-145	
Toluene-d8	97	90-108		1,4-Bromofluorobenzene	98	71-113	
Toluene-d8-TPPH	97	88-112					

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: 05/23/09
Work Order No: 09-05-2153
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

Project: 2350 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	**099-12-798-465**	**N/A**	**Solid**	**GC/MS PP**	**06/02/09**	**06/02/09 13:36**	**090602L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	12	100		c-1,3-Dichloropropene	ND	0.50	100	
Benzene	ND	0.50	100		t-1,3-Dichloropropene	ND	0.50	100	
Bromobenzene	ND	0.50	100		Ethylbenzene	ND	0.50	100	
Bromochloromethane	ND	0.50	100		2-Hexanone	ND	5.0	100	
Bromodichloromethane	ND	0.50	100		Isopropylbenzene	ND	0.50	100	
Bromoform	ND	0.50	100		p-Isopropyltoluene	ND	0.50	100	
Bromomethane	ND	2.5	100		Methylene Chloride	ND	5.0	100	
2-Butanone	ND	5.0	100		4-Methyl-2-Pentanone	ND	5.0	100	
n-Butylbenzene	ND	0.50	100		Naphthalene	ND	5.0	100	
sec-Butylbenzene	ND	0.50	100		n-Propylbenzene	ND	0.50	100	
tert-Butylbenzene	ND	0.50	100		Styrene	ND	0.50	100	
Carbon Disulfide	ND	5.0	100		1,1,1,2-Tetrachloroethane	ND	0.50	100	
Carbon Tetrachloride	ND	0.50	100		1,1,2,2-Tetrachloroethane	ND	0.50	100	
Chlorobenzene	ND	0.50	100		Tetrachloroethene	ND	0.50	100	
Chloroethane	ND	0.50	100		Toluene	ND	0.50	100	
Chloroform	ND	0.50	100		1,2,3-Trichlorobenzene	ND	1.0	100	
Chloromethane	ND	2.5	100		1,2,4-Trichlorobenzene	ND	0.50	100	
2-Chlorotoluene	ND	0.50	100		1,1,1-Trichloroethane	ND	0.50	100	
4-Chlorotoluene	ND	0.50	100		1,1,2-Trichloroethane	ND	0.50	100	
Dibromochloromethane	ND	0.50	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	5.0	100	
1,2-Dibromo-3-Chloropropane	ND	2.5	100		Trichloroethene	ND	0.50	100	
1,2-Dibromoethane	ND	0.50	100		1,2,3-Trichloropropane	ND	0.50	100	
Dibromomethane	ND	0.50	100		1,2,4-Trimethylbenzene	ND	0.50	100	
1,2-Dichlorobenzene	ND	0.50	100		Trichlorofluoromethane	ND	5.0	100	
1,3-Dichlorobenzene	ND	0.50	100		1,3,5-Trimethylbenzene	ND	0.50	100	
1,4-Dichlorobenzene	ND	0.50	100		Vinyl Acetate	ND	5.0	100	
Dichlorodifluoromethane	ND	0.50	100		Vinyl Chloride	ND	0.50	100	
1,1-Dichloroethane	ND	0.50	100		Xylenes (total)	ND	0.50	100	
1,2-Dichloroethane	ND	0.50	100		Methyl-t-Butyl Ether (MTBE)	ND	0.50	100	
1,1-Dichloroethene	ND	0.50	100		Tert-Butyl Alcohol (TBA)	ND	5.0	100	
c-1,2-Dichloroethene	ND	0.50	100		Diisopropyl Ether (DIPE)	ND	1.0	100	
t-1,2-Dichloroethene	ND	0.50	100		Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	
1,2-Dichloropropane	ND	0.50	100		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	
1,3-Dichloropropane	ND	0.50	100		Ethanol	ND	50	100	
2,2-Dichloropropane	ND	0.50	100		TPPH	ND	50	100	
1,1-Dichloropropene	ND	0.50	100						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	73-139		1,2-Dichloroethane-d4	110	73-145	
Toluene-d8	99	90-108		1,4-Bromofluorobenzene	98	71-113	
Toluene-d8-TPPH	99	88-112					

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: 05/23/09
Work Order No: 09-05-2153
Preparation: EPA 3550B
Method: EPA 8015B

Project 2350 Harrison St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-05-2322-8	Solid	GC 47	05/29/09	05/30/09	090529S07

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	79	82	64-130	4	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: 05/23/09
Work Order No: 09-05-2153
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 2350 Harrison St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-05-2116-2	Solid	GC/MS PP	05/30/09	05/31/09	090530S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	85	88	79-115	4	0-13	
Carbon Tetrachloride	104	107	55-139	3	0-15	
Chlorobenzene	83	85	79-115	2	0-17	
1,2-Dibromoethane	84	85	70-130	2	0-30	
1,2-Dichlorobenzene	78	78	63-123	1	0-23	
1,1-Dichloroethene	93	94	69-123	1	0-16	
Ethylbenzene	84	86	70-130	2	0-30	
Toluene	85	88	79-115	4	0-15	
Trichloroethene	89	93	66-144	5	0-14	
Vinyl Chloride	95	97	60-126	2	0-14	
Methyl-t-Butyl Ether (MTBE)	87	87	68-128	0	0-14	
Tert-Butyl Alcohol (TBA)	84	80	44-134	5	0-37	
Diisopropyl Ether (DIPE)	79	82	75-123	3	0-12	
Ethyl-t-Butyl Ether (ETBE)	86	88	75-117	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	85	86	79-115	2	0-12	
Ethanol	20	12	42-138	48	0-28	3,4

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: 05/23/09
Work Order No: 09-05-2153
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 2350 Harrison St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-3-15'	**Solid**	**GC/MS PP**	**06/02/09**	**06/02/09**	**090602S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	95	79-115	1	0-13	
Carbon Tetrachloride	112	114	55-139	2	0-15	
Chlorobenzene	93	98	79-115	5	0-17	
1,2-Dibromoethane	93	100	70-130	7	0-30	
1,2-Dichlorobenzene	89	92	63-123	4	0-23	
1,1-Dichloroethene	97	98	69-123	1	0-16	
Ethylbenzene	96	99	70-130	4	0-30	
Toluene	92	95	79-115	4	0-15	
Trichloroethene	108	115	66-144	6	0-14	
Vinyl Chloride	104	106	60-126	2	0-14	
Methyl-t-Butyl Ether (MTBE)	88	94	68-128	6	0-14	
Tert-Butyl Alcohol (TBA)	71	86	44-134	18	0-37	
Diisopropyl Ether (DIPE)	82	85	75-123	4	0-12	
Ethyl-t-Butyl Ether (ETBE)	89	93	75-117	5	0-12	
Tert-Amyl-Methyl Ether (TAME)	90	95	79-115	5	0-12	
Ethanol	11	13	42-138	13	0-28	3

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: 09-05-2153
Emeryville, CA 94608-2008	Preparation: EPA 3550B
	Method: EPA 1664A M

Project: 2350 Harrison St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-040-228	**Solid**	**N/A**	**06/12/09**	**06/12/09**	**90612HEML1**

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: 09-05-2153
Emeryville, CA 94608-2008	Preparation: EPA 3550B
	Method: EPA 8015B

Project: 2350 Harrison St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-025-731	Solid	GC 47	05/29/09	05/30/09	090529B07

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	90	92	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: 09-05-2153
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 2350 Harrison St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-463	Solid	GC/MS PP	05/30/09	05/31/09	090530L04

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	95	96	84-114	79-119	1	0-7	
Carbon Tetrachloride	105	107	66-132	55-143	2	0-12	
Chlorobenzene	95	96	87-111	83-115	1	0-7	
1,2-Dibromoethane	102	102	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	93	94	79-115	73-121	1	0-8	
1,1-Dichloroethene	95	96	73-121	65-129	1	0-12	
Ethylbenzene	95	96	80-120	73-127	1	0-20	
Toluene	95	96	78-114	72-120	1	0-7	
Trichloroethene	95	96	84-114	79-119	0	0-8	
Vinyl Chloride	93	95	63-129	52-140	2	0-15	
Methyl-t-Butyl Ether (MTBE)	101	101	77-125	69-133	0	0-11	
Tert-Butyl Alcohol (TBA)	89	92	47-137	32-152	4	0-27	
Diisopropyl Ether (DIPE)	88	88	76-130	67-139	1	0-8	
Ethyl-t-Butyl Ether (ETBE)	98	98	76-124	68-132	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	99	99	82-118	76-124	0	0-11	
Ethanol	99	101	59-131	47-143	2	0-21	
TPPH	90	88	65-135	53-147	3	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 09-05-2153
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 2350 Harrison St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-464	Solid	GC/MS PP	06/02/09	06/02/09	090602L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	97	97	84-114	79-119	0	0-7	
Carbon Tetrachloride	118	120	66-132	55-143	2	0-12	
Chlorobenzene	102	103	87-111	83-115	1	0-7	
1,2-Dibromoethane	105	108	80-120	73-127	3	0-20	
1,2-Dichlorobenzene	105	104	79-115	73-121	1	0-8	
1,1-Dichloroethene	103	102	73-121	65-129	0	0-12	
Ethylbenzene	104	104	80-120	73-127	1	0-20	
Toluene	99	99	78-114	72-120	1	0-7	
Trichloroethene	104	101	84-114	79-119	2	0-8	
Vinyl Chloride	107	106	63-129	52-140	1	0-15	
Methyl-t-Butyl Ether (MTBE)	97	100	77-125	69-133	3	0-11	
Tert-Butyl Alcohol (TBA)	90	88	47-137	32-152	3	0-27	
Diisopropyl Ether (DIPE)	86	86	76-130	67-139	0	0-8	
Ethyl-t-Butyl Ether (ETBE)	95	95	76-124	68-132	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	97	98	82-118	76-124	1	0-11	
Ethanol	105	105	59-131	47-143	0	0-21	
TPPH	96	93	65-135	53-147	3	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 09-05-2153
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 2350 Harrison St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-465	Solid	GC/MS PP	06/02/09	06/02/09	090602L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	97	97	84-114	79-119	0	0-7	
Carbon Tetrachloride	118	120	66-132	55-143	2	0-12	
Chlorobenzene	102	103	87-111	83-115	1	0-7	
1,2-Dibromoethane	105	108	80-120	73-127	3	0-20	
1,2-Dichlorobenzene	105	104	79-115	73-121	1	0-8	
1,1-Dichloroethene	103	102	73-121	65-129	0	0-12	
Ethylbenzene	104	104	80-120	73-127	1	0-20	
Toluene	99	99	78-114	72-120	1	0-7	
Trichloroethene	104	101	84-114	79-119	2	0-8	
Vinyl Chloride	107	106	63-129	52-140	1	0-15	
Methyl-t-Butyl Ether (MTBE)	97	100	77-125	69-133	3	0-11	
Tert-Butyl Alcohol (TBA)	90	88	47-137	32-152	3	0-27	
Diisopropyl Ether (DIPE)	86	86	76-130	67-139	0	0-8	
Ethyl-t-Butyl Ether (ETBE)	95	95	76-124	68-132	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	97	98	82-118	76-124	1	0-11	
Ethanol	105	105	59-131	47-143	0	0-21	
TPPH	96	93	65-135	53-147	3	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-05-2153

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: Denis Brown

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

PO #

SAP #: 1 7 3 3 1 8

DATE: 5/21/09

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
LAB USE ONLY	09-05-2153

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)	Full Scan VOCs (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	B-2-5.5'	5/21/09	12:30	Soil					X	1		X						X						X	X	
2	B-2-10'		12:35	Soil					X	2		X						X						X	X	
3	B-2-15'		12:40	Soil					X	2		X						X						X	X	
4	B-3-5.5'		1:10	Soil					X	2		X						X						X	X	
5	B-3-10'		1:15	Soil					X	2		X						X						X	X	
6	B-3-15'	↓	1:20	Soil					X	2		X						X						X	X	
7	B-2-7'	5/21/09	12:32	Soil					X	1		X						X						X	X	

Relinquished by: (Signature) Erin Reinhart-Koylu	Received by: (Signature) Secure location	Date: 5/21/09	Time: 5:00
Relinquished by: (Signature) B Carl	Received by: (Signature) CEL	Date: 5-22-09	Time: 1245
Relinquished by: (Signature) to GSD 5-22-09 1730	Received by: (Signature)	Date: 5/23/09	Time: 0930

05/2/06 Revision

OO 511921000

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-05-2153

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: CRT DATE: 05/23/09

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

Temperature 3.3 °C - 0.2 °C (CF) = 3.1 °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:** [illegible]

CUSTODY SEALS INTACT:

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

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** [illegible]

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

CONTAINER TYPE:

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

Water: ☐VOA ☐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** ☐100PB ☐100PB**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® ☐_____ **Other:** ☐_____ **Checked/Labeled by:** [illegible]

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar (Wide-mouth) B: Bottle (Narrow-mouth) **Reviewed by:** [illegible]

Preservative: h: HCL n: HNO3 na$_2$:$Na_2S_2O_3$ Na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** [illegible]

Calscience
Environmental
Laboratories, Inc.

June 11, 2009

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

Subject: **Calscience Work Order No.: 09-05-2154**
Client Reference: 2350 (2368) Harrison St., Oakland, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 5/23/2009 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Jessie Lee

Calscience Environmental
Laboratories, Inc.
Jessie Lee
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 05/23/09
Work Order No: 09-05-2154
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	**09-05-2154-3-A**	**05/21/09 14:05**	**Solid**	**ICP 5300**	**05/27/09**	**05/28/09 18:41**	**090527L03**

Comment(s): -Mercury was analyzed on 5/27/2009 1:50:54 PM with batch 090527L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	0.311	0.0835	1	
Arsenic	7.66	0.750	1		Molybdenum	ND	0.250	1	
Barium	109	0.500	1		Nickel	47.3	0.250	1	
Beryllium	0.256	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	34.3	0.250	1		Thallium	ND	0.750	1	
Cobalt	11.1	0.250	1		Vanadium	32.4	0.250	1	
Copper	35.8	0.500	1		Zinc	90.9	1.00	1	
Lead	30.0	0.500	1						

Method Blank	**099-04-007-6,308**	**N/A**	**Solid**	**Mercury**	**05/27/09**	**05/27/09 13:12**	**090527L03**

Parameter	Result	RL	DF	Qual
Mercury	ND	0.0835	1	

Method Blank	**097-01-002-12,342**	**N/A**	**Solid**	**ICP 5300**	**05/27/09**	**05/27/09 19:55**	**090527L03**

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.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	05/23/09
5900 Hollis Street, Suite A	Work Order No:	09-05-2154
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	**09-05-2154-3-A**	**05/21/09 14:05**	**Solid**	**GC 49**	**05/29/09**	**05/30/09 07:37**	**090529B17**

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	1100	75	15		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	92	61-145	

Method Blank	099-12-025-730	N/A	Solid	GC 49	05/29/09	05/30/09 04:01	090529B17

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	101	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:	05/23/09
Work Order No:	09-05-2154
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	**09-05-2154-3-A**	**05/21/09 14:05**	**Solid**	**GC 49**	**05/29/09**	**05/30/09 07:37**	**090529B18**

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	6100	380	15		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	92	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-254-772**	**N/A**	**Solid**	**GC 49**	**05/29/09**	**05/30/09 04:01**	**090529B18**

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	101	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:	05/23/09
Work Order No:	09-05-2154
Preparation:	DHS LUFT
Method:	DHS LUFT

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	**09-05-2154-3-A**	**05/21/09 14:05**	**Solid**	**FLAA2**	**05/28/09**	**06/09/09 00:00**	**090528L01**

Parameter	Result	RL	DF	Qual	Units
Organic Lead	ND	1.00	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-10-020-1,199**	**N/A**	**Solid**	**FLAA2**	**05/28/09**	**05/28/09 19:54**	**090528L01**

Parameter	Result	RL	DF	Qual	Units
Organic Lead	ND	1.00	1		mg/kg

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: 05/23/09
Work Order No: 09-05-2154
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
CRA-A	**09-05-2154-3-A**	**05/21/09 14:05**	**Solid**	**GC/MS PP**	**05/30/09**	**05/30/09 21:07**	**090530L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.0074	0.0050	1		Xylenes (total)	0.0057	0.0050	1	
Ethylbenzene	0.0053	0.0050	1		TPPH	2.6	0.50	1	
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	102	73-139			1,2-Dichloroethane-d4	100	73-145		
Toluene-d8	100	90-108			1,4-Bromofluorobenzene	100	71-113		
Toluene-d8-TPPH	103	88-112							

Method Blank	**099-12-798-461**	**N/A**	**Solid**	**GC/MS PP**	**05/30/09**	**05/30/09 12:55**	**090530L01**

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	108	73-139			1,2-Dichloroethane-d4	111	73-145		
Toluene-d8	99	90-108			1,4-Bromofluorobenzene	96	71-113		
Toluene-d8-TPPH	99	88-112							

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: 05/23/09
Work Order No: 09-05-2154
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
09-05-1984-2	Solid	ICP 5300	05/27/09	05/27/09	090527S03

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	25	25	50-115	1	0-20	3
Arsenic	112	103	75-125	4	0-20	
Barium	4X	4X	75-125	4X	0-20	Q
Beryllium	100	99	75-125	2	0-20	
Cadmium	96	96	75-125	0	0-20	
Chromium	110	66	75-125	14	0-20	3
Cobalt	97	97	75-125	0	0-20	
Copper	100	99	75-125	0	0-20	
Lead	4X	4X	75-125	4X	0-20	Q
Molybdenum	98	97	75-125	1	0-20	
Nickel	96	95	75-125	1	0-20	
Selenium	100	95	75-125	4	0-20	
Silver	98	97	75-125	1	0-20	
Thallium	87	87	75-125	1	0-20	
Vanadium	96	95	75-125	1	0-20	
Zinc	4X	4X	75-125	4X	0-20	Q

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: 05/23/09
Work Order No: 09-05-2154
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
09-05-2155-9	**Solid**	**GC 49**	**05/29/09**	**05/30/09**	**090529S17**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	100	97	64-130	3	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: 05/23/09
Work Order No: 09-05-2154
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
09-05-2155-9	**Solid**	**GC 49**	**05/29/09**	**05/30/09**	**090529S18**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	110	102	64-130	8	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:	05/23/09
Work Order No:	09-05-2154
Preparation:	DHS LUFT
Method:	DHS LUFT

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

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-05-1680-3	**Solid**	**FLAA2**	**05/28/09**	**05/28/09**	**090528S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Organic Lead	93	95	22-148	2	0-18	

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: 05/23/09
Work Order No: 09-05-2154
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
09-05-1984-2	**Solid**	**Mercury**	**05/27/09**	**05/27/09**	**090527S03**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	104	103	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: 05/23/09
Work Order No: 09-05-2154
Preparation: EPA 5030B
Method: EPA 8260B

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

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-05-2567-1	**Solid**	**GC/MS PP**	**05/30/09**	**05/30/09**	**090530S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	101	101	79-115	0	0-13	
Carbon Tetrachloride	123	123	55-139	1	0-15	
Chlorobenzene	103	100	79-115	3	0-17	
1,2-Dibromoethane	107	103	70-130	4	0-30	
1,2-Dichlorobenzene	100	100	63-123	0	0-23	
1,1-Dichloroethene	106	106	69-123	0	0-16	
Ethylbenzene	104	102	70-130	2	0-30	
Toluene	99	101	79-115	1	0-15	
Trichloroethene	106	105	66-144	1	0-14	
Vinyl Chloride	109	112	60-126	3	0-14	
Methyl-t-Butyl Ether (MTBE)	3563	3250	68-128	6	0-14	3
Tert-Butyl Alcohol (TBA)	1238	1461	44-134	17	0-37	3
Diisopropyl Ether (DIPE)	88	90	75-123	2	0-12	
Ethyl-t-Butyl Ether (ETBE)	98	100	75-117	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	100	101	79-115	0	0-12	
Ethanol	99	107	42-138	8	0-28	

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: 09-05-2154
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
097-01-002-12,342	Solid	ICP 5300	05/27/09	05/27/09	090527L03

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Antimony	100	98	80-120	73-127	2	0-20	
Arsenic	102	101	80-120	73-127	2	0-20	
Barium	107	107	80-120	73-127	0	0-20	
Beryllium	99	99	80-120	73-127	0	0-20	
Cadmium	103	103	80-120	73-127	0	0-20	
Chromium	99	99	80-120	73-127	0	0-20	
Cobalt	107	106	80-120	73-127	1	0-20	
Copper	101	100	80-120	73-127	1	0-20	
Lead	107	106	80-120	73-127	1	0-20	
Molybdenum	106	105	80-120	73-127	1	0-20	
Nickel	107	107	80-120	73-127	1	0-20	
Selenium	95	96	80-120	73-127	1	0-20	
Silver	101	101	80-120	73-127	0	0-20	
Thallium	104	103	80-120	73-127	1	0-20	
Vanadium	99	99	80-120	73-127	0	0-20	
Zinc	103	103	80-120	73-127	0	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 - Laboratory Control Sample

Conestoga-Rovers & Associates		Date Received:	N/A
5900 Hollis Street, Suite A		Work Order No:	09-05-2154
Emeryville, CA 94608-2008		Preparation:	EPA 3550B
		Method:	EPA 8015B

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

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-12-025-730	Solid	GC 49	05/30/09	G2000044	090529B17

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Diesel Range Organics	400	426	107	75-123	

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:	09-05-2154
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
099-12-254-772	**Solid**	**GC 49**	**05/29/09**	**05/30/09**	**090529B18**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	85	83	75-123	3	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 09-05-2154
Emeryville, CA 94608-2008	Preparation: DHS LUFT
	Method: DHS LUFT

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

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-10-020-1,199	Solid	FLAA2	05/28/09	NONE	090528L01

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Organic Lead	25.0	25.7	103	72-126	

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:	09-05-2154
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
099-04-007-6,308	**Solid**	**Mercury**	**05/27/09**	**05/27/09**	**090527L03**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	100	101	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: 09-05-2154
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
099-12-798-461	**Solid**	**GC/MS PP**	**05/30/09**	**05/30/09**	**090530L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	99	99	84-114	79-119	1	0-7	
Carbon Tetrachloride	126	127	66-132	55-143	1	0-12	
Chlorobenzene	101	100	87-111	83-115	1	0-7	
1,2-Dibromoethane	103	106	80-120	73-127	3	0-20	
1,2-Dichlorobenzene	100	99	79-115	73-121	1	0-8	
1,1-Dichloroethene	105	105	73-121	65-129	0	0-12	
Ethylbenzene	101	100	80-120	73-127	1	0-20	
Toluene	100	99	78-114	72-120	0	0-7	
Trichloroethene	101	103	84-114	79-119	2	0-8	
Vinyl Chloride	109	107	63-129	52-140	1	0-15	
Methyl-t-Butyl Ether (MTBE)	101	104	77-125	69-133	3	0-11	
Tert-Butyl Alcohol (TBA)	93	93	47-137	32-152	0	0-27	
Diisopropyl Ether (DIPE)	90	91	76-130	67-139	2	0-8	
Ethyl-t-Butyl Ether (ETBE)	98	99	76-124	68-132	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	99	102	82-118	76-124	3	0-11	
Ethanol	111	108	59-131	47-143	3	0-21	
TPPH	98	95	65-135	53-147	3	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-05-2154

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: Denis Brown

PO #:

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

SAP #: 1 7 3 3 1 8

DATE: 5/21/09

PAGE: 1 of 1

SAMPLING COMPANY: Conestoga-Rovers & Associates	LOG CODE:	SITE ADDRESS: Street and City: 2350 (2368) Harrison St., Oakland	State: CA
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
PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer		E-MAIL: shelledf@craworld.com	CONSULTANT PROJECT NO.: 60119
TELEPHONE: 510-420-3316	FAX: 510-385-0212	E-MAIL: acool@craworld.com	GLOBAL ID NO.: T0600102237
SAMPLER NAME(S) (Print): Erin Reinhart-Koylu			LAB USE ONLY: 09-05-2154

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 :

cc: Kari Dupler, kDupler@craworld.com

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

- [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)	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)	Container PID Readings or Laboratory Notes
1	CRA-1 > CRA-A	5/21/09	2:05	SO						X	1	X	X	X											X	X				Composite Samples & call CRA-A
2	CRA-2	5/21/09	2:05	SO						X	1	X	X	X											X	X				

Relinquished by: (Signature) G. Reinhart-Koylu	Received by: (Signature) Secure location	Date: 5/21/09	Time: 5:00
Relinquished by: (Signature) BCal	Received by: (Signature) CEL	Date: 5-22-09	Time: 1245
Relinquished by: (Signature) CEL 5-22-09 1730 OSO 5/19/21000	Received by: (Signature)	Date: 5/23/09	Time: 0930

05/2/06 Revision

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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

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-05-2154

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: CRA

DATE: 05/23/09

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

Temperature 3.3 °C - 0.2 °C (CF) = 3.1 °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:** _____

CUSTODY SEALS INTACT:

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

☐ 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.			
☐ COC not relinquished. ☐ No date relinquished. ☐ No time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

Water: ☐VOA ☐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** ☐100PB ☐100PB**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® ☐_____ **Other:** ☐_____ **Checked/Labeled by:** SO

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar (Wide-mouth) B: Bottle (Narrow-mouth) **Reviewed by:** VSC

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