CONESTOGA-ROVERS & ASSOCIATES

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TRANSMITTAL

DATE: May 12, 2009

REFERENCE NO.: 240781

PROJECT NAME: 2703 Martin Luther King Jr. Way, Oakland

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

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Environmental Health

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QUANTITY	DESCRIPTION
1	Subsurface Investigation Report

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- ☒ For Review and Comment
- ☐
- ☐

COMMENTS:
If you have any questions regarding the contents of this document, please contact Tom Sparrowe at (510) 420-3316.

Copy to: Denis Brown, Shell Oil Products US, 20945 S. Wilmington Avenue, Carson, CA 90810
Rodney & Janet Kwan, Auto Tech West, 2703 Martin Luther King Jr. Way, Oakland, CA 94612
Scott Merillat, 664 27th Street, Oakland, CA 94612
Monique Oatis, 670 27th Street, Oakland, CA 94612
Jack Chang, 559 9th Avenue, San Francisco, CA 94118-3716

Completed by: Tom Sparrowe Signed: Tom Sparrowe

Filing: **Correspondence File**

Denis L. Brown
Shell Oil Products US
HSE - Environmental Services
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Email denis.l.brown@shell.com

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

Re: Former Shell Service Station
2703 Martin Luther King Jr. Way
Oakland, California
SAP Code 129449
Incident No. 97093397
ACHCSA Case No. RO#0145

Dear Mr. Wickham:

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

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

Sincerely,

Denis L. Brown
Project Manager

SUBSURFACE INVESTIGATION REPORT

FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY
OAKLAND, CALIFORNIA

SAP CODE	129449
INCIDENT NO.	97093397
AGENCY NO.	RO0000145

Prepared by:
Conestoga-Rovers & Associates

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Emeryville, California
U.S.A. 94608

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MAY 12, 2009
REF. NO. 240781 (6)
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TABLE OF CONTENTS

LIST OF FIGURES
(Following Text)

LIST OF TABLES
(Following Text)

LIST OF APPENDICES

1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) to document the recent subsurface investigation at this site. The purpose of this investigation was to delineate the extent of elevated lead concentrations in soil prior to completing the proposed excavation activities. CRA received Alameda County Health Care Services Agency's (ACHCSA's) February 20, 2009 letter approving CRA's January 29, 2009 *Subsurface Investigation Work Plan* and requesting additional analyses.

The subject site is a former service station located on the northwest corner of Martin Luther King Jr. Way and 27th Street in a mixed commercial and residential area of Oakland, California (Figure 1). Currently, the site is occupied by Auto-Tech West and is used as an automotive repair shop (Figure 2).

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

2.0 EXECUTIVE SUMMARY

- Eight hand-auger borings (HA-1 to HA-8) were advanced during this investigation to evaluate soil conditions.
- The elevated lead concentrations found in the soil cuttings from the vapor probe VP-9 installation were not encountered in the investigation area. Only one of the 24 soil samples collected (HA-8-1.5', 1,060 milligrams per kilogram (mg/kg) exceeds the lead ESL, adequately defining the extent of lead in shallow soil.
- Soil analytical data indicated that TPHd and TPHmo are present in all of the shallow fill material samples (0.7 fbg) collected from the borings. The laboratory noted that the chromatographic pattern for the TPHd reported did not match the chromatographic pattern of the diesel standard. The TPHd and TPHmo detections in the samples collected from shallow fill material at 0.7 fbg exceed the applicable ESLs. These detections dramatically decrease with depth, and only TPHd in deeper samples from boring HA-6 exceeds ESLs.
- PAHs were detected in all of the samples, with the maximum concentrations found in samples collected from fill material at 0.7 fbg. Soil sample (HA-4-0.7') contained benzo(a)anthracene, benzo(k)fluoranthene, benzo(a)pyrene, and indeno(1,2,3-cd) pyrene above ESLs. Soil samples HA-1-0.7', HA-2-0.7', HA-3-0.7', HA-5-0.7', HA-6-0.7', HA-7-0.7', HA-8-0.7' and HA-8-1.5' contained benzo(a) pyrene, above the ESL. No PAHs were detected in any of the soil samples collected at 5 fbg.
- No further investigation for petroleum hydrocarbons or lead in this area is required. The upcoming remedial excavation operations will include proper excavation and disposal of shallow fill material underlying the asphalt surface.

3.0 INVESTIGATION RESULTS

3.1 PERMIT

CRA obtained a drilling permit from Alameda County Public Works Agency (Appendix B).

3.2 FIELD DATE

April 8, 2009.

3.3 DRILLING COMPANY

Gregg Drilling and Testing, Inc.

3.4 PERSONNEL PRESENT

Geologist Erin Reinhart-Koylu directed the drilling under the supervision of California Professional Geologist Tom Sparrowe.

3.5 DRILLING METHOD

Hand auger.

3.6 NUMBER OF BORINGS

Eight soil borings (HA-1 through HA-8) were drilled during this investigation.

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

3.7 BORING DEPTHS

5 feet below grade (fbg).

3.8 GROUNDWATER DEPTH

No groundwater was encountered.

3.9 WASTE DISPOSAL

Soil generated during field activities was stored on site a 55-gallon drum, sampled, and profiled for disposal. The soil transportation and disposal as non-hazardous waste is pending.

4.0 FINDINGS

4.1 SOIL

The soil chemical analytical data are summarized in Table 1, and total petroleum hydrocarbons as diesel (TPHd), total petroleum hydrocarbons as motor oil (TPHmo) benzene, and lead analytical results are presented on Figure 2. Laboratory analytical reports are presented in Appendix E.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The purpose of this investigation was to delineate the extent of elevated lead concentrations in soil prior to completing the proposed excavation activities and to determine the presence of other chemicals of concern behind the former station building. Eight soil borings (HA-1 through HA-8) were drilled, sampled, and analyzed for total petroleum hydrocarbons as diesel (TPHd), total petroleum hydrocarbons as motor oil (TPHmo), total lead, and polycyclic aromatic hydrocarbons (PAHs).

The elevated lead concentrations found in the soil cuttings from the vapor probe VP-9 installation were not encountered in the investigation area. Only one of the 24 soil samples collected (HA-8-1.5', 1,060 mg/kg) exceeds the applicable San Francisco Bay Regional Water Quality Control Board environmental screening level (ESL) for shallow soil (less than 3 meters below ground surface) where groundwater is a current or potential drinking water source (commercial/industrial land use).

Soil analytical data indicated that TPHd and TPHmo are present in all of the shallow fill material samples (0.7 fbg) under the asphalt surface. The maximum concentration of TPHd was 4,500 (mg/kg) in boring HA-4 at 0.7 fbg. The laboratory noted that the chromatographic pattern for the TPHd reported did not match the chromatographic pattern of the diesel standard. The maximum concentration of TPHmo was 11,000 mg/kg in boring HA-7 at 0.7 fbg. These detections decrease dramatically with depth and only TPHd in deeper samples from boring HA-6 exceeds ESLs.

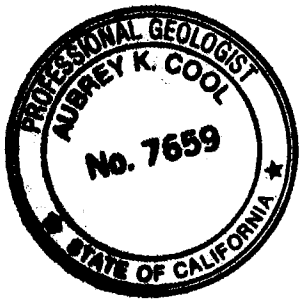
PAHs were detected in all of the samples, with the maximum concentrations found in samples collected from fill material at 0.7 fbg. Soil sample (HA-4-0.7') contained PAHs benzo(a)anthracene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene above ESLs. Soil samples HA-1-0.7', HA-2-0.7', HA-3-0.7', HA-5-0.7', HA-6-0.7', HA-7-0.7', HA-8-0.7', and HA-8-1.5' contained benzo(a) pyrene above the ESL. No PAHs were detected in any of the soil samples collected at 5 fbg.

The extent of lead in shallow soil is adequately defined, and the observed TPHd, TPHmo, and PAH concentrations appear to be predominately limited to extremely shallow fill material. No further investigation in this area is warranted. The upcoming remedial excavation operations will include proper excavation and disposal of shallow fill material underlying the asphalt surface.

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

Thomas A. Sparrowe, PG

Aubrey K. Cool, PG



FIGURES

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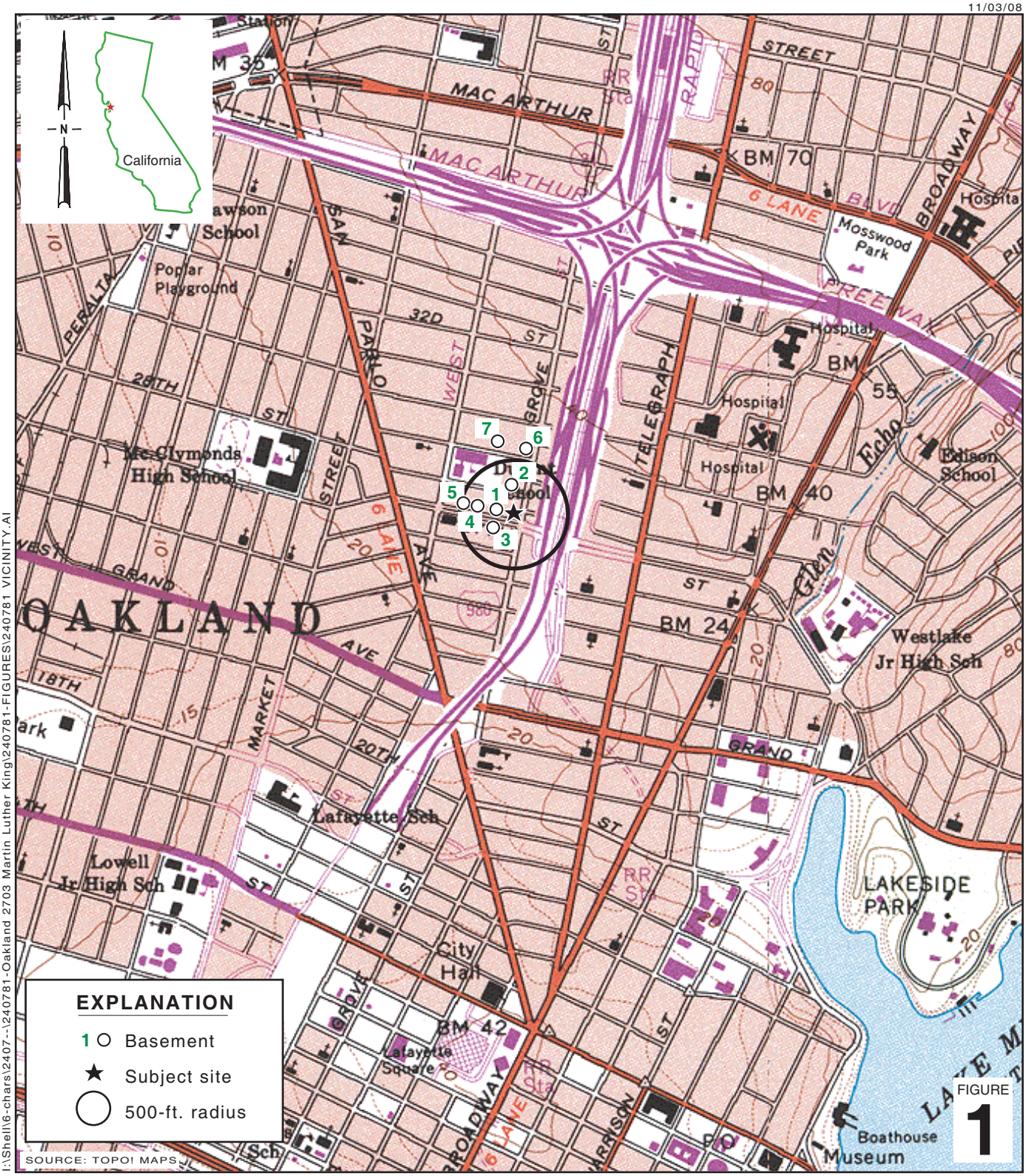

FIGURE 1

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Former Shell Service Station
2703 Martin Luther King Jr. Way
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

05/05/09

Site Plan

EXPLANATION

- HA-1 — Hand auger boring location
- VP-1 — Vapor probe location (1/06, 5-6/07,7/08)
- V-1 — Soil vapor well location (7/96)
- MW-1 — Monitoring well location (7/96-2/06)
- E — Electrical line (E)
- T — Telecommunication line (T)
- G — Gas line (G)
- SAN — Sanitary sewer line (SAN)
- W — Water line (W)

Sample ID	Sample Date	Depth (fbg)	Lead (mg/kg)	TPHd (mg/kg)	TPHmo (mg/kg)
HA-1-0.7'	4/8/2009	0.7	24.5	**1,300**	**7,900**
HA-1-1.5'	4/8/2009	1.5	7.73	<5.0	<25
HA-1-5'	4/8/2009	5	7.74	19	97

Soil sample ID and sample date, depth in feet below grade (fbg), and chemical concentrations, in milligrams per kilogram (mg/kg)
<X = Not detected at reporting limit X

Sample ID	Sample Date	Depth (fbg)	Lead (mg/kg)	TPHd (mg/kg)	TPHmo (mg/kg)
HA-4-0.7'	4/8/2009	0.7	43.5	**4,500**	**7,800**
HA-4-1.5'	4/8/2009	1.5	10.1	<5.0	<25
HA-4-5'	4/8/2009	5	5.81	<5.0	<25

Sample ID	Sample Date	Depth (fbg)	Lead (mg/kg)	TPHd (mg/kg)	TPHmo (mg/kg)
HA-5-0.7'	4/8/2009	0.7	46.0	**700**	**5,800**
HA-5-1.5'	4/8/2009	1.5	8.14	<5.0	<25
HA-5-5'	4/8/2009	5	7.85	<5.0	<25

Sample ID	Sample Date	Depth (fbg)	Lead (mg/kg)	TPHd (mg/kg)	TPHmo (mg/kg)
HA-3-0.7'	4/8/2009	0.7	59.9	**570**	**6,300**
HA-3-1.5'	4/8/2009	1.5	20.8	<5.0	50
HA-3-5'	4/8/2009	5	6.65	<5.0	<25

Sample ID	Sample Date	Depth (fbg)	Lead (mg/kg)	TPHd (mg/kg)	TPHmo (mg/kg)
HA-2-0.7'	4/8/2009	0.7	44.0	**560**	**6,700**
HA-2-1.5'	4/8/2009	1.5	29.5	<5.0	<25
HA-2-5'	4/8/2009	5	19.4	<5.0	<25

Sample ID	Sample Date	Depth (fbg)	Lead (mg/kg)	TPHd (mg/kg)	TPHmo (mg/kg)
HA-1-0.7'	4/8/2009	0.7	24.5	**1,300**	**7,900**
HA-1-1.5'	4/8/2009	1.5	7.73	<5.0	<25
HA-1-5'	4/8/2009	5	7.74	19	97

Sample ID	Sample Date	Depth (fbg)	Lead (mg/kg)	TPHd (mg/kg)	TPHmo (mg/kg)
HA-8-0.7'	4/8/2009	0.7	32.8	**810**	**9,600**
HA-8-1.5'	4/8/2009	1.5	**1,060**	11	74
HA-8-5'	4/8/2009	5	19.7	35	190

Sample ID	Sample Date	Depth (fbg)	Lead (mg/kg)	TPHd (mg/kg)	TPHmo (mg/kg)
HA-6-0.7'	4/8/2009	0.7	40.3	**1,800**	**7,400**
HA-6-1.5'	4/8/2009	1.5	11.3	**110**	290
HA-6-5'	4/8/2009	5	12.1	**130**	230

Sample ID	Sample Date	Depth (fbg)	Lead (mg/kg)	TPHd (mg/kg)	TPHmo (mg/kg)
HA-7-0.7'	4/8/2009	0.7	37.1	**910**	**11,000**
HA-7-1.5'	4/8/2009	1.5	8.82	<5.0	<25
HA-7-5'	4/8/2009	5	7.45	<5.0	<25

Residential
2719-23 Martin Luther King

W/O AST

HA-1 HA-2 HA-3 HA-4 HA-5 HA-6 HA-7 HA-8 VP-9

VP-1 VP-2 VP-3 VP-4 VP-5 VP-6 VP-8

MW-1 MW-2 MW-3 MW-4 MW-5 MW-6 MW-7 MW-8

V-1 V-2

Former Vent Lines

Anode

TRENCH

Wooden Carport

Building

Former USTs

Former Dispensers

Former Dispensers

Former Shell Station
2703 Martin Luther King

Proposed excavation limits
(Depth = 20 fbg)

Gate

Driveway

Residential
670 27th St.

Residential
688 27th St.

Residential
664 27th St.

27TH STREET

MARTIN LUTHER KING JR. WAY

N
W E
S

Groundwater Flow Direction
(2Q00 through 1Q07)

0 7.5 15 30
Scale (ft)

Basemap from Virgil Chavez Land Surveying and Alameda County Assessors Parcel Map

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Former Shell Service Station
2703 Martin Luther King Jr Way
Oakland, California

FIGURE
2

TABLES

TABLE 1

SOIL ANALYTICAL DATA
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*Lead*	*TPHd*	*TPHmo*	*Naphthalene*	*2-Methylnaphthalene*	*Acenaphthylene*	*Acenaphthene*	*Fluorene*	*Phenanthrene*	*Anthracene*	*Fluoranthene*	*Pyrene*	*Benzo(a) Anthracene*	*Chrysene*	*Benzo(k) Fluoranthene*	*Benzo(b) Fluoranthene*	*Benzo(a) Pyrene*	*Benzo(g,h,i) Perylene*	*Indeno(1,2,3-cd) Pyrene*	*Dibenz(a,h) Anthracene*	*1-Methylnaphthalene*
HA-1-0.7'	4/8/2009	0.7	24.5	**1,300** [a]	**7,900**	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	**0.18**	<0.040	<0.040	<0.040	<0.040
HA-1-1.5'	4/8/2009	1.5	7.73	<5.0	<25	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
HA-1-5'	4/8/2009	5	7.74	19 [a]	97	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
HA-2-0.7'	4/8/2009	0.7	44.0	**560** [a]	**6,700**	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	**0.19**	<0.040	<0.040	<0.040	<0.040
HA-2-1.5'	4/8/2009	1.5	29.5	<5.0	<25	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
HA-2-5'	4/8/2009	5	19.4	<5.0	<25	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
HA-3-0.7'	4/8/2009	0.7	59.9	**570** [a]	**6,300**	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	0.070	<0.040	<0.040	**0.16**	<0.040	<0.040	<0.040	<0.040
HA-3-1.5'	4/8/2009	1.5	20.8	<5.0	50	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
HA-3-5'	4/8/2009	5	6.65	<5.0	<25	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
HA-4-0.7'	4/8/2009	0.7	43.5	**4,500** [a]	**7,800**	1.2	<1.0	<1.0	1.6	1.7	8.5	2.6	7.9	8.1	**3.6**	4.0	**7.1**	<1.0	**4.2**	1.6	**2.2**	<1.0	<1.0
HA-4-1.5'	4/8/2009	1.5	10.1	<5.0	<25	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
HA-4-5'	4/8/2009	5	5.81	<5.0	<25	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
HA-5-0.7'	4/8/2009	0.7	46.0	**700** [a]	**5,800**	<0.040	<0.040	<0.040	<0.040	<0.040	0.25	0.075	0.39	0.98	0.29	0.48	0.61	0.56	**0.51**	0.18	0.16	0.048	<0.040
HA-5-1.5'	4/8/2009	1.5	8.14	<5.0	<25	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
HA-5-5'	4/8/2009	5	7.85	<5.0	<25	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
HA-6-0.7'	4/8/2009	0.7	40.3	**1,800** [a]	**7,400**	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	0.077	<0.040	0.12	<0.040	<0.040	**0.21**	0.077	<0.040	<0.040	<0.040
HA-6-1.5'	4/8/2009	1.5	11.3	**110** [a]	290	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
HA-6-5'	4/8/2009	5	12.1	**130** [a]	230	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020

TABLE 1

SOIL ANALYTICAL DATA
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*Lead*	*TPHd*	*TPHmo*	*Naphthalene*	*2-Methylnaphthalene*	*Acenaphthylene*	*Acenaphthene*	*Fluorene*	*Phenanthrene*	*Anthracene*	*Fluoranthene*	*Pyrene*	*Benzo(a) Anthracene*	*Chrysene*	*Benzo(k) Fluoranthene*	*Benzo(b) Fluoranthene*	*Benzo(a) Pyrene*	*Benzo(g,h,i) Perylene*	*Indeno(1,2,3-cd) Pyrene*	*Dibenz(a,h) Anthracene*	*1-Methylnaphthalene*
HA-7-0.7'	4/8/2009	0.7	37.1	**910** [a]	**11,000**	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	0.091	<0.040	<0.040	**0.18**	<0.040	<0.040	<0.040	<0.040
HA-7-1.5'	4/8/2009	1.5	8.82	<5.0	<25	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
HA-7-5'	4/8/2009	5	7.45	<5.0	<25	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
HA-8-0.7'	4/8/2009	0.7	32.8	**810** [a]	**9,600**	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	0.079	<0.040	<0.040	**0.17**	<0.040	<0.040	<0.040	<0.040
HA-8-1.5'	4/8/2009	1.5	**1,060**	11 [a]	74	<0.020	<0.020	<0.020	<0.020	<0.020	0.10	0.027	0.29	0.31	0.17	0.18	0.18	0.15	**0.20**	0.045	0.061	<0.020	<0.020
HA-8-5'	4/8/2009	5	19.7	35 [a]	190	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Shallow Soils (≤10 fbg) ESL [b]			750	83	2,500	2.8	0.25	13	16	8.9	11	2.8	40	85	1.3	23	1.3	1.3	0.13	27	2.1	0.21	NA

Notes:

All results in miligrams per kilograms (mg/kg) unless otherwise indicated.
fbg = feet below grade
Lead analyzed by EPA Method 6010B
TPHd = Total petroleum hydrocarbons as diesel analyzed by EPA Method 8015B
TPHmo = Total petroleum hydrocarbons as motor oil analyzed by EPA Method 8015B (M)
Polycyclic aromatic hydrocarbons (PAHs) analyzed by EPA Method 8270C SIM PAHS. Individual constituents tablulated above.
<x = Not detected at reporting limit x
ESLs = Environmental screening levels
NA = No applicable ESL
Bold values exceed ESLs.

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 upon the specified standard.
b = San Francisco Bay Regional Water Quality Control Board Environmental Screening Level for shallow soil where groundwater is a current or potential source of drinking water. Commercial land use. Ref: Table A in Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater -Interim Final -November 2007 (Revised May 2008).

APPENDIX A

SITE HISTORY

SITE HISTORY

1994 Underground Storage Tank (UST) Removal: The 2,000-gallon UST was removed on October 11, 1994 by KTW & Associates on behalf of ATW. Two soil samples (TP-1-N and TP-2-S) were collected from beneath the tank. Total petroleum hydrocarbons as gasoline (TPHg) was detected at concentrations ranging from 870 milligrams per kilogram (mg/kg) to 18,000 mg/kg in the samples. Benzene concentrations in these samples ranged from 2.9 to 100 mg/kg.

1995 Phase I Environmental Site Assessment (ESA): In August and September 1995, Enviros Inc. (Enviros) performed a Phase I ESA for this site. Available information collected during this ESA indicates that the subject property was occupied by residential housing prior to approximately 1959. A building permit to erect a building was obtained for Shell Oil Company in February 1959. A building permit to "close lube bays with sheet metal panels" was secured for Shell Oil Company in July 1976.

In 1979, several building permits were secured for Acme to modify existing site structures. Two building permits were secured in 1979 related to the installation of a fuel pump at the site.

During a site survey in conjunction with the Phase I ESA, an excavation was observed near the southwest corner of the service building. The excavation was covered by a blue tarp. This excavation's location is consistent with that of the 2,000-gallon UST removed in 1994 by ATW, and with a large concrete slab observed in aerial photographs taken in 1971 and 1973, and a smaller concrete slab observed in aerial photographs taken in 1981 and 1985. The larger concrete slab observed in the aerial photographs was likely covering the USTs operated by Shell, and the smaller slab was likely covering the UST operated by Acme, confirming that the same location was used for both UST complexes.

1995 Subsurface Investigation: A site assessment was performed by ACC Environmental Consultants on May 23, 1995. This included drilling nine soil borings (B-1 through B-9) using a pneumatic sampling tool in the vicinity of the excavation (which formerly housed both Shell's and Acme's USTs) and the product dispenser islands, and collecting soil and groundwater samples for chemical analysis. TPHg concentrations in soil samples ranged from <20.0 to 830 mg/kg. Benzene concentrations ranged from <1.0 to 1.8 mg/kg. Separate phase hydrocarbons (SPH) were identified in water samples collected from four of the soil borings (B-1, B-5, B-6, and B-9). TPHg concentrations in the non-SPH grab groundwater samples submitted for chemical analysis ranged from <50 to 89,000 micrograms per liter (µg/L). Benzene concentrations in the grab groundwater samples ranged from <0.5 to 21,000 µg/L.

1996 Over-Excavation: Over-excavation and back-filling of Acme's former UST excavation were performed on March 19, 1996. The excavation, originally left open to 9 feet below grade (fbg), was over-excavated to approximately 11 fbg. Two soil samples (TP-3-W and TP-4-E) were collected from the bottom of the over-excavated former UST area. Soil sample TP-3-W, collected from the western end of the excavation, contained 560 mg/kg TPHg, and 3.1 mg/kg benzene. Soil sample TP-4-E, collected from the eastern end of the excavation, contained 2,700 mg/kg TPHg and <3.0 mg/kg benzene. The excavation was back-filled with clean imported fill material. Soil sampling and back-filling activities are documented in Enviros' May 10, 1996 correspondence.

1996 Subsurface Investigation: In July 1996, Enviros performed additional site assessment activities. Six exploratory borings (B-10, B-11, B-12, B-13, V-1, and V-2) were drilled and sampled on July 17 and 19, 1996 using a hollow-stem auger drill rig. Borings B-11 and B-12 were completed as groundwater monitoring wells MW-1 and MW-2, and borings V-1 and V-2 were completed as soil vapor extraction wells V-1 and V-2, respectively. Soil sampling was not performed in boring V-1 due to the fact that it was installed into the back-fill material within the former UST excavation. A soil sample from below the saturated zone in boring V-2 was submitted for physical parameter analyses (porosity, permeability, fractional organic carbon content, and dry bulk density).

TPHg and benzene were not detected in soil samples collected from MW-1 (B-11), MW-2 (B-12), and B-13. TPHg was detected in soil samples collected from B-10 and V-2 at concentrations of 1.7 and 110 mg/kg, respectively. Benzene concentrations in soil samples from B-10 and V-2 were <0.0050 and 0.29 mg/kg, respectively.

Grab groundwater samples were collected from borings B-10, B-12 (MW-2), and B-13 at the depth of first encountered groundwater (approximately 8 to 11 fbg) for chemical analysis. Boring B-11 (MW-1) did not yield sufficient groundwater for grab groundwater sample collection. Monitoring wells MW-1 and MW-2 were developed and sampled on August 2, 1999 by Blaine Tech Services, Inc. (Blaine) of San Jose, CA. TPHg concentrations in the groundwater samples ranged from <50 to 290,000 µg/L. Benzene concentrations ranged from <0.50 to 34,000 µg/L.

1997 Modified Phase I ESA: In February 1997, Enviros performed a modified Phase I ESA for the subject facility. A review of aerial photographs (1952 to 1994), city directories (1967 to 1993) and Sanborn maps (1912 to 1970) did not reveal evidence of an off-site source of petroleum hydrocarbons which would have impacted groundwater onsite. The properties located north and west of the subject facility appear to have been

occupied by residential houses from at least 1912 to the present. The nearest gasoline stations identified in the vicinity of the subject facility were a former Chevron station (740 27th Street at West) approximately 450 feet to the west, a former station (26th Street and Martin Luther King, Jr. Way) approximately 300 feet to the south, and a former Mobil station (554 27th Street) approximately 950 feet to the east.

2000 Sensitive Receptor Survey (SRS): In late 2000, Cambria performed a SRS to identify wells and underground utility conduits. Cambria identified the local sanitary and storm sewer systems as the only utility conduits which may act as preferential pathways for groundwater and soil vapor migration. Conduits identified in the area are located at depths of approximately 3.5 to 9 fbg. Therefore, the potential does exist for groundwater to flow within these conduit trenches. Groundwater depth onsite historically ranges from approximately 4.5 to 10 fbg. However, since the typical groundwater flow direction onsite has generally been to the south, it is likely that any contaminant migration within the utility conduits would be limited, since the utility conduits located to the south of the site are the shallowest of all the conduits identified adjacent to the site at depths of 3.5 to 5.5 fbg.

Cambria also obtained well installation and destruction records from the California Department of Water Resources (DWR) in order to identify any active water producing wells in the vicinity of the site which may be at risk to petroleum hydrocarbon impact due to contaminant migration from the subsurface of the site. DWR records did not identify any existing wells within a ½-mile radius of the site. The SRS results are presented in Cambria's May 16, 2001 *Subsurface Investigation Report.*

2000 Subsurface Investigation: In November 2000, Cambria installed three soil borings (B-17, B-18 and B-19) and three groundwater monitoring wells (MW-3, MW-4 and MW-5). Concentrations up to 2,100 mg/kg TPHg and 3.3 mg/kg benzene were reported in soil samples. Methyl tertiary-butyl ether (MTBE) was detected in one soil sample at a concentration of 0.0070 mg/kg. Tertiary-butyl alcohol (TBA) was detected in two soil samples at concentrations of 0.0079 and 0.0059 mg/kg, respectively.

Grab groundwater samples were collected from borings B-17 through B-19 at first encountered groundwater for analyses during the investigation. TPHg concentrations in grab water samples were up to 190,000 µg/L and benzene concentrations were up to 13,000 µg/L. MTBE was detected at concentrations up to 300 µg/L, and TBA was detected at a concentration of 240 µg/L in one sample. No SPH was observed during the investigation. Results from this investigation are presented in Cambria's May 16, 2001 *Subsurface Investigation Report.*

2001 Oxygen Releasing Compound (ORC) Installation: As approved by the Alameda County Health Care Services Agency (ACHCSA), Blaine installed ORCs in wells V-1 and V-2 during the second quarter monitoring event on May 2, 2001. ORCs were removed during the fourth quarter 2001 monitoring event. MTBE has not been detected in these two wells since the ORCs were installed. Details of the ORC installation activities are presented in Cambria's quarterly groundwater monitoring reports for the second through the fourth quarter of 2001.

2002 Subsurface Investigation: In April 2002, Cambria installed borings B-20 through B-22. Groundwater was first encountered in the borings between 8.0 fbg (B-20) and 8.8 fbg (B-21 and B-22). The maximum TPHg and benzene concentrations detected in soil were 380 and 0.17 mg/kg, respectively, in the soil sample collected from 8.0 fbg in boring B-22, located behind the station building. No TPHg was detected in soil samples collected from boring B-21. No MTBE was detected in any of the analyzed soil samples collected from borings B-20, B-21, or B-22. Up to 160,000 µg/L TPHg and 18,000 µg/L benzene were reported in grab groundwater samples collected from borings B-20, B-21, and B-22. No MTBE was detected in grab groundwater samples collected from the borings. The complete report of findings was included in Cambria's June 21, 2002 *Site Investigation Report*. This document included recommendations for additional activities; however, a response from ACHCSA was never received. Results from this investigation are presented in Cambria's June 21, 2002 *Subsurface Investigation Report*.

2003 - 2005 Oxygen Releasing Compound (ORC) Installation: Although agency approval was not received, Shell proactively installed ORC in wells MW-5 and V-2 during first quarter of 2003. The ORCs were replaced on a semi-annual basis. The use of ORC was discontinued during the first quarter 2005, at Shell's request. Details of the ORC installation activities are presented in Cambria's quarterly groundwater monitoring reports for the first quarter 2003 through the first quarter of 2005.

2005 Agency Meeting: Since no agency response was received to the June 2002 *Site Investigation Report* that contained recommendations for additional investigation, and since monitoring continued to indicate elevated concentrations of volatile constituents in groundwater, Shell authorized Cambria to prepare a work plan to investigate subsurface soil, groundwater, and soil vapor conditions along the property boundaries and at select locations on site. A new case worker was assigned to this project in early 2005, and following a meeting with the new case worker, technical comments and work plan approval were received in ACHCSA correspondence dated June 6, 2005. On August 15, 2005, Cambria submitted correspondence providing responses to the technical comments, notification of field work, and a request for extension for the report of findings. In correspondence dated August 19, 2005, ACHCSA granted the extension.

2005 Soil Vapor Investigation: From August 28 through 31, 2005, Cambria installed 10 soil borings (GP-1 through GP-10). TPHg was detected in soil samples from the borings at concentrations up to 3,300 mg/kg and benzene was detected at concentrations up to 15 mg/kg. TPHg was detected in all groundwater samples at concentrations up to 140,000 µg/L and benzene was also detected in all four groundwater samples at concentrations up to 17,000 µg/L. TPHg was detected in soil vapor samples at concentrations ranging up to 71,000,000 micrograms per cubic meter (µg/m^3) and benzene was detected at concentrations up to 170,000 µg/m^3. Details of these activities are included in Cambria's November 15, 2005 *Site Investigation Report.*

2005 Door-to-Door Survey: Cambria conducted a door-to-door survey within 300 feet of the subject site for wells, basements, and foundation type to identify building construction and potential vapor receptors. Questionnaires were sent to 110 properties and responses for 25 properties were received as of January 13, 2006. Of the 25 responses received, none of the properties had basements. Three properties were denoted as vacant; nine properties contained buildings constructed with slab-on-grade foundations; three contained buildings constructed with perimeter foundations. Tabulated data and a list of properties included in the survey, and which completed surveys were received was included in Cambria's January 15, 2006 *Door to Door Survey Report, Access Agreement Update, and Status/Schedule Update.*

2006 Subsurface Investigation: Cambria advanced three monitoring wells (MW-6 through MW-8), one soil boring (B-23), and six soil vapor probes (VP-1 through VP-6). TPHg was detected in soil samples at concentrations up to 3,800 mg/kg and benzene was detected at concentrations up to 33 mg/kg. A complete discussion and presentation of these activities and findings is included in Cambria's April 14, 2006 *Site Investigation Report, and First Quarter 2006 – Groundwater Monitoring Report.*

2006 Dual-Phase Extraction (DPE) Pilot Test: Cambria conducted a five-day DPE pilot test on wells V-1, V-2, MW-6, MW-7, MW-4, MW-5, and MW-8 and a constant vacuum DPE test was conducted on well MW-6. The report concluded **1)** the absence of vapor phase concentrations (and groundwater concentrations) from well V-1 indicates that the former UST excavation does not contain residual source material; **2)** high sustained and increasing vapor concentrations suggest source material is present in the vicinity of wells V-2, MW-5, and MW-8; **3)** variability in extraction flow rates across the site may reflect heterogeneities in subsurface soils or may suggest preferential pathways; and **4)** the extremely high effective radius of influence calculated for wells MW-5 and MW-8 during DPE testing on well MW-7 supports the presence of a preferential pathway in the vicinity of these wells. The data from the DPE pilot test suggests that DPE is feasible at this site.

The groundwater table was effectively drawn down by DPE and moderate vapor extraction flow rates were yielded from some of the extraction points. Although DPE is deemed feasible, Cambria did not recommend implementing DPE at this site. The extraction points that yielded the highest vapor concentrations did not yield an effective vapor extraction flow rate. Conversely, low vapor concentrations were yielded from the extraction point that did yield an effective vapor extraction flow rate. Therefore, DPE is not considered feasible in the target areas at this site. The pilot test details and results are presented in Cambria's March 14, 2006 *Pilot Test Report.*

2006 Subsurface Investigation: Monitoring wells MW-12 and MW-14 were installed at two offsite properties. None of the soil samples from well MW-12 indicated the presence of any TPHg, benzene, toluene, ethylbenzene, or xylenes (BTEX). The 5 fbg sample from MW-14 also did not contain any reportable concentrations. TPHg was reported in the 10 and 14 fbg samples from MW-14 at concentrations of 32 and 970 mg/kg, respectively. Benzene was reported in the same two samples at concentrations of 0.0083 and 2.3 mg/kg, respectively. These activities are documented in Cambria's May 25, 2006 *Subsurface Investigation Report.*

2006 Survey and Site Visit: In addition to surveying the new wells, Cambria identified historical boring locations from patches on the ground surface, historical excavation edges, trenches, and other site features, and requested that they be included in the survey. Report figures since May 2006 have included the new survey data. Also, during the site visit, an inspection inside the building identified two bathrooms. A floor drain was observed in the northern-most bathroom. Standing liquid was present in the floor drain and automotive parts and cleaners were stored in this area. Thus, a sample from the floor drain was collected and submitted for analyses of volatile organic compounds (VOCs) by EPA Method 8260 and semi-volatile organic compounds (SVOCs) by EPA Method 8270. The floor drain sample was analyzed for VOCs and SVOCs. The results indicated the presence of carbon disulfide (3.69 µg/L), ethylbenzene (0.610 µg/L), and toluene (0.770 µg/L). This information was reported in Cambria's May 25, 2006 *Subsurface Investigation Report.*

2006 Geophysical Survey: As recommended in Cambria's May 25, 2006 *Subsurface Investigation Report*, a geophysical study was performed on May 22, 2006. The objectives of this effort were to determine whether or not a waste oil UST was in the ground in the northwest portion of the property, and to evaluate the presence of subsurface utilities in this area that may act as preferential pathways, including the mapping of the sewer line from the floor drain found inside the northwest corner of the building during the April 19, 2006 site inspection. The results did not identify the presence of a UST on the northwest corner of the site, but did find another vent line located behind the northeast

corner of the station building. A subsurface electric line was traced from the station building to the western property boundary, and an unidentified subsurface utility was traced from the northwest corner of the station building to the southwest, near MW-5 and toward MW-6. The presence of the unknown utility line in the northwest corner confirms the observations of a possible preferential pathway in this area based on the dual-phase extraction pilot test performed in January 2006. NORCAL was unable to run a line down the floor drain inside of the building due to the trap in the line, so the sewer cleanout was found on the exterior of the building. Accessing the cleanout would have resulted in damage to the cap, and the property owner would not grant permission for Cambria to open the cleanout and repair any damage. Thus, the location, direction, and depth of the sewer line in this area are still unknown. However, based on the GPR survey that was performed to try to locate a non-metallic sewer line, NORCAL concludes that the sewer line may be more than 4 feet below grade, since the GPR was unable to identify the line. This information was presented in Cambria's July 25, 2006 *Status Update, Report of Geophysical Survey, and Request for Agency Meeting.*

2006 Subsurface Investigation and Vapor Probe Installation: Cambria installed cone-penetrometer test borings CPT-1 through CPT-5 and soil vapor probes VP-1 through VP-6. There was a lack of adequate groundwater recharge for many of the groundwater samples attempted between 15 and 29 fbg. Groundwater sample results from between 31-37 fbg confirm significant attenuation of contaminants of at least one order of magnitude from the interval monitored by the site wells (5-20 fbg), thus nor further vertical delineation is warranted. Comparison of data from 1995, 2000, and 2006 in similar location (B-6 & B-9, B-19, and CPT-5, respectively) demonstrates attenuation of contaminant concentrations over time is occurring. A site inspection at the neighboring property was performed and revealed that due to significant ventilation and air exchange with outdoor ambient air, vapor sampling within the above-ground basement was no longer warranted. These activities are documented in Cambria's January 31, 2007 *CPT Investigation and Vapor Probe Installation Report.*

2007 Subsurface Investigation and Vapor Probe Installation: Conestoga-Rovers & Associates (CRA) installed CPT-6 and CPT-7 within 27th Street southwest of the site, CPT-10 on the Marcus-Foster school property northwest of the site, and VP-7 and VP-8 on private properties west-northwest of the site. The CPT logs identified thin lithologic units of higher permeability that appear to be allowing preferential migration of contaminants in groundwater toward MW-14 and CPT-10. Further delineation and monitoring of the first encountered water zone to the northwest and west of the site was recommended. Soil vapor samples collected from onsite probes indicated petroleum hydrocarbon concentrations exceeding screening levels for protection of onsite commercial workers. Soil vapor samples collected from offsite vapor probe pairs VP-7

and VP-8, located on residential property, indicated that the soil gas concentrations immediately adjacent to the subject site and three parcels down gradient do no exceed the residential ESLs. Results of the investigation are documented in CRA's August 27, 2007 *Plume Delineation and Soil Vapor Sampling Report.*

2008 Site Conceptual Model (SCM) and Feasibility Study/Corrective Action Plan (FS/CAP): CRA submitted a February 2, 2008 SCM and FS/CAP for the site. Excavation followed by a bio-sparge curtain to assist biodegradation was recommended as remedial action for the site. A *Remedial Action Plan* was submitted by CRA on May 28, 2008 detailing the excavation and bio-sparging.

Groundwater Monitoring: Quarterly groundwater monitoring has been ongoing at the site since August 1996 and currently includes on-site monitoring wells MW-1 through MW-8, VP-1, and VP-2, and off-site monitoring wells MW-12 and MW-14. Fuel oxygenates are not a significant component of the groundwater plumes, although some detections of di-isopropyl ether and TBA have been observed. Overall, the groundwater flow direction is primarily to the west, with some radial components on site to the northwest and southwest. Historically, monitoring wells MW-1, MW-2, MW-3, and MW-12 have shown little or no impact from petroleum hydrocarbons. Maximum historical concentrations of TPHg and benzene have been observed in on-site monitoring well MW-5. The first quarter 2009 sample event reported maximum concentrations of TPHg and benzene at 130,000 and 8,500 µg/L, respectively in well MW-5. Historical groundwater monitoring results and current conditions are detailed in CRA's May 4, 2009 *Groundwater Monitoring and Soil Vapor Report – First Quarter 2009*

Vapor Monitoring: Vapor monitoring of off-site soil vapor probes VP-7 and VP-8 has been ongoing at the site since October 2007 and is currently conducted semiannually. Vapor probe VP-9 was added to the monitoring program in the third quarter of 2008. Historically, BTEX concentrations in soil vapor samples have consistently been below applicable screening levels in off-site vapor probes. During the first quarter 2009 sampling event, CRA was only able to collect one vapor sample from the shallow screen interval (3 fbg) of probe VP-8. Water was present in the shallow screen interval (3 fbg) for probes VP-6 and VP-7 and in the deeper screen interval (5 fbg) for probes VP-6 through VP-9, so no soil vapor samples could be collected from these probes. Toluene was the only chemical of concern detected, and the concentration was below the applicable residential ESL. Historical soil vapor and current data are summarized in CRA's May 4, 2009 *Groundwater Monitoring and Soil Vapor Report – First Quarter 2009.*

APPENDIX B

PERMIT

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: 04/06/2009 By jamesy

Permit Numbers: W2009-0264
Permits Valid from 04/08/2009 to 04/09/2009

Application Id:	1237571109512	**City of Project Site:** Oakland
Site Location:	2703 Martin Luther King Jr Blvd.	
Project Start Date:	04/08/2009	**Completion Date:** 04/09/2009
Assigned Inspector:	Contact John Shouldice at (510) 670-5424 or johns@acpwa.org	
Applicant:	Conestoga-Rovers & Associates - Lauren Goldfinch 5900 Hollis St., Suite A, Emeryville, CA 94608	**Phone:** 510-420-3339
Property Owner:	Rodney & Janet Kwan 1834 Alameda Ave., Alameda, CA 94501	**Phone:** --
Client:	Shell Oil Products US Shell Oil Products US 20945 S. Wilmington Ave., Carson, CA 90810	**Phone:** --
Contact:	Erin Reinhart	**Phone:** 510-420-3372 **Cell:** 510-385-0074

Total Due: $230.00
Receipt Number: WR2009-0123 **Total Amount Paid:** $230.00
Payer Name : Conestoga-Rovers & Paid By: CHECK **PAID IN FULL**
Associates

Works Requesting Permits:

Borehole(s) for Investigation-Environmental/Monitorinig Study - 8 Boreholes
Driller: Gregg Drilling & Testing, Inc. - Lic #: 485165 - Method: Hand **Work Total: $230.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2009-0264	04/06/2009	07/07/2009	8	4.00 in.	5.00 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 John Shouldice for an inspection time at 510-670-5424 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.

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**	HA-1
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	08-Apr-09
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	08-Apr-09
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	E. Reinhart	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	T. Sparrowe, PM	**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
0		HA-1- 0.7'			ML		**ASPHALT** **Sandy SILT (Fill) (ML)** ; very dark brown (10YR 2/2); dry; 70% silt, 25% fine to coarse sand, 5% fine gravel; non plastic.	0.2	
0		HA-1- 1.5'			ML		**SILT (ML)** ; very dark brown (10YR 2/2); moist; 25% clay, 75% silt; medium plasticity.	1.0	Portland Type I/II
0		HA-1- 5'		5			@4' - brown (10YR 4/3); 20% clay, 80% silt; low to medium plasticity.	5.0	Bottom of Boring @ 5 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407--\240781-OAKLAND 2703 MARTIN LUTHER KING\240781-GINT\0781.GPJ DEFAULT.GDT 5/5/09

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**	HA-2
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	08-Apr-09
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	08-Apr-09
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	E. Reinhart	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	T. Sparrowe, PM	**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
0		HA-2- 0.7'			ML		**ASPHALT** **Sandy SILT (Fill) (ML)**; very dark brown (10YR 2/2); dry; 70% silt, 25% fine to coarse sand, 5% fine gravel; non plastic.	0.2	
0		HA-2- 1.5'			ML		**SILT (ML)**; very dark brown (10YR 2/2); moist; 25% clay, 75% silt; medium plasticity. @4' - brown (10YR 4/3); 30% clay, 70% silt.	1.0	Portland Type I/II
0		HA-2- 5'		5				5.0	Bottom of Boring @ 5 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407--\240781-OAKLAND 2703 MARTIN LUTHER KING\240781-GINT\0781.GPJ DEFAULT.GDT 5/5/09

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**	HA-3
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	08-Apr-09
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	08-Apr-09
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	E. Reinhart	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	T. Sparrowe, PM	**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
2		HA-3- 0.7'			ML		**ASPHALT** **Sandy SILT (Fill) (ML)**; very dark brown (10YR 2/2); dry; 70% silt, 25% fine to coarse sand, 5% fine gravel; non plastic.	0.2	
0		HA-3- 1.5'			ML		**SILT (ML)**; black (2.5Y 2.5/1); moist; 25% clay, 75% silt; medium plasticity. @4' - brown (10YR 4/3); 35% clay, 65% silt.	1.0	Portland Type I/II
0		HA-3- 5'		5				5.0	Bottom of Boring @ 5 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407-\240781-OAKLAND 2703 MARTIN LUTHER KING\240781-GINT\0781.GPJ DEFAULT.GDT 5/5/09

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**	HA-4
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	08-Apr-09
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	08-Apr-09
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	E. Reinhart	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	T. Sparrowe, PM	**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
0.2		HA-4- 0.7'			ML		**ASPHALT** **Sandy SILT (Fill) (ML)**; dark brown (7.5 YR 3/2); dry; 60% silt, 30% fine to coarse sand, 10% fine gravel; non plastic.	0.2	
0		HA-4- 1.5'			ML		**SILT (ML)**; very dark brown (7.5 YR 3/1); moist; 25% clay, 75% silt; medium plasticity. @4' - brown (10YR 4/3); 40% clay, 60% silt.	1.0	Portland Type I/II
0		HA-4- 5'		5				5.0	Bottom of Boring @ 5 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407--\240781-OAKLAND 2703 MARTIN LUTHER KING\240781-GINT\0781.GPJ DEFAULT.GDT 5/5/09

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5900 Hollis Street, Suite A
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Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	HA-5
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	08-Apr-09
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	08-Apr-09
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	E. Reinhart	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	T. Sparrowe, PM	**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
4.6		HA-5- 0.7'			ML		**ASPHALT** **Sandy SILT (Fill) (ML)**; dark brown (7.5 YR 3/2); dry; 60% silt, 30% fine to coarse sand, 10% fine gravel; non plastic.	0.2	
0		HA-5- 1.5'			ML		**SILT (ML)**; very dark brown (7.5 YR 3/1); moist; 25% clay, 75% silt; medium plasticity. @4' - olive brown (2.5 Y 4/4); 40% clay, 60% silt.	1.0	Portland Type I/II
0		HA-5- 5'		5				5.0	Bottom of Boring @ 5 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407--\240781--OAKLAND 2703 MARTIN LUTHER KING\240781-GINT\0781.GPJ DEFAULT.GDT 5/5/09

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**	HA-6
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	08-Apr-09
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	08-Apr-09
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	E. Reinhart	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	T. Sparrowe, PM	**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
0		HA-6- 0.7'			ML		**ASPHALT** **Sandy SILT (Fill) (ML)**; dark brown (7.5 YR 3/3); dry; 60% silt, 30% fine to coarse sand, 10% coarse gravel; non plastic.	0.2	
0		HA-6- 1.5'			ML		**SILT (ML)**; very dark brown (10 YR 2/2); moist; 25% clay, 75% silt; medium plasticity. @4' - brown (10 YR 4/3); 40% clay, 60% silt.	1.0	Portland Type I/II
0		HA-6- 5'		5				5.0	Bottom of Boring @ 5 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407_-\240781-OAKLAND 2703 MARTIN LUTHER KING\240781-GINT\0781.GPJ DEFAULT.GDT 5/5/09

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**	HA-7
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	08-Apr-09
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	08-Apr-09
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	E. Reinhart	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	T. Sparrowe, PM	**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
0		HA-7- 0.7'			ML		**ASPHALT** **Sandy SILT (Fill) (ML)**; very dark brown (10 YR 2/2); dry; 70% silt, 25% fine to coarse sand, 5% fine gravel; non plastic.	0.2	
0		HA-7- 1.5'			ML		**SILT (ML)**; black (2.5 Y 2.5/1); moist; 25% clay, 75% silt; medium plasticity. @4' - brown (10YR 4/3); 35% clay, 65% silt.	1.0	Portland Type I/II
0		HA-7- 5'		5				5.0	Bottom of Boring @ 5 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407--\240781-OAKLAND 2703 MARTIN LUTHER KING\240781-GINT\0781.GPJ DEFAULT.GDT 5/5/09

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**	HA-8
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	08-Apr-09
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	08-Apr-09
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	E. Reinhart	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	T. Sparrowe, PM	**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
0		HA-8- 0.7'			ML		**ASPHALT** **Sandy SILT (Fill) (ML)**; very dark brown (10 YR 2/2); dry; 70% silt, 25% fine to coarse sand, 5% fine gravel; non plastic.	0.2	
0		HA-8- 1.5'			ML		**SILT (ML)**; very dark brown (10 YR 2/2); moist; 20% clay, 80% silt; medium plasticity.	1.0	Portland Type I/II
0		HA-8- 5'		5			@4' - dark yellowish brown (10YR 4/4); low to medium plasticity.	5.0	Bottom of Boring @ 5 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407-\240781-OAKLAND 2703 MARTIN LUTHER KING\240781-GINT\0781.GPJ DEFAULT.GDT 5/5/09

APPENDIX D

CERTIFIED ANALYTICAL REPORTS

Calscience
Environmental
Laboratories, Inc.

April 23, 2009

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

Subject: **Calscience Work Order No.: 09-04-0886**
Client Reference: 2703 Martin Luther King Jr. Way, Oakland, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 4/10/2009 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 Lanelle for

Calscience Environmental
Laboratories, Inc.
Jessie Lee
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	04/10/09
5900 Hollis Street, Suite A	Work Order No:	09-04-0886
Emeryville, CA 94608-2008	Preparation:	EPA 3050B
	Method:	EPA 6010B

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-5-0.7'	09-04-0886-1-A	04/08/09 11:30	Solid	ICP 5300	04/20/09	04/21/09 22:25	090420L03

Parameter	Result	RL	DF	Qual	Units
Lead	46.0	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-5-1.5'	09-04-0886-2-A	04/08/09 11:40	Solid	ICP 5300	04/20/09	04/21/09 22:27	090420L03

Parameter	Result	RL	DF	Qual	Units
Lead	8.14	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-5-5'	09-04-0886-3-A	04/08/09 11:57	Solid	ICP 5300	04/20/09	04/21/09 22:29	090420L03

Parameter	Result	RL	DF	Qual	Units
Lead	7.85	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-4-0.7'	09-04-0886-4-A	04/08/09 12:04	Solid	ICP 5300	04/20/09	04/21/09 22:30	090420L03

Parameter	Result	RL	DF	Qual	Units
Lead	43.5	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-4-1.5'	09-04-0886-5-A	04/08/09 12:11	Solid	ICP 5300	04/20/09	04/21/09 22:32	090420L03

Parameter	Result	RL	DF	Qual	Units
Lead	10.1	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-4-5'	09-04-0886-6-A	04/08/09 12:25	Solid	ICP 5300	04/20/09	04/21/09 22:33	090420L03

Parameter	Result	RL	DF	Qual	Units
Lead	5.81	0.500	1		mg/kg

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	04/10/09
5900 Hollis Street, Suite A	Work Order No:	09-04-0886
Emeryville, CA 94608-2008	Preparation:	EPA 3050B
	Method:	EPA 6010B

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-6-0.7'	09-04-0886-7-A	04/08/09 12:31	Solid	ICP 5300	04/20/09	04/21/09 22:38	090420L03

Parameter	Result	RL	DF	Qual	Units
Lead	40.3	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-6-1.5'	09-04-0886-8-A	04/08/09 12:40	Solid	ICP 5300	04/20/09	04/21/09 22:40	090420L03

Parameter	Result	RL	DF	Qual	Units
Lead	11.3	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-6-5'	09-04-0886-9-A	04/08/09 12:55	Solid	ICP 5300	04/20/09	04/21/09 22:41	090420L03

Parameter	Result	RL	DF	Qual	Units
Lead	12.1	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-7-0.7'	09-04-0886-10-A	04/08/09 14:53	Solid	ICP 5300	04/20/09	04/21/09 22:43	090420L03

Parameter	Result	RL	DF	Qual	Units
Lead	37.1	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-7-1.5'	09-04-0886-11-A	04/08/09 15:02	Solid	ICP 5300	04/20/09	04/21/09 22:45	090420L03

Parameter	Result	RL	DF	Qual	Units
Lead	8.82	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-7-5'	09-04-0886-12-A	04/08/09 15:15	Solid	ICP 5300	04/20/09	04/21/09 22:46	090420L03

Parameter	Result	RL	DF	Qual	Units
Lead	7.45	0.500	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: 04/10/09
Work Order No: 09-04-0886
Preparation: EPA 3050B
Method: EPA 6010B

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-3-0.7'	09-04-0886-13-A	04/08/09 15:17	Solid	ICP 5300	04/20/09	04/21/09 22:48	090420L03

Parameter	Result	RL	DF	Qual	Units
Lead	59.9	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-3-1.5'	09-04-0886-14-A	04/08/09 15:26	Solid	ICP 5300	04/20/09	04/21/09 22:49	090420L03

Parameter	Result	RL	DF	Qual	Units
Lead	20.8	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-3-5'	09-04-0886-15-A	04/08/09 15:43	Solid	ICP 5300	04/20/09	04/21/09 22:51	090420L03

Parameter	Result	RL	DF	Qual	Units
Lead	6.65	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-2-0.7'	09-04-0886-16-A	04/08/09 15:47	Solid	ICP 5300	04/20/09	04/21/09 22:53	090420L03

Parameter	Result	RL	DF	Qual	Units
Lead	44.0	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-2-1.5'	09-04-0886-17-A	04/08/09 15:53	Solid	ICP 5300	04/20/09	04/21/09 22:57	090420L03

Parameter	Result	RL	DF	Qual	Units
Lead	29.5	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-2-5'	09-04-0886-18-A	04/08/09 16:03	Solid	ICP 5300	04/20/09	04/21/09 22:59	090420L03

Parameter	Result	RL	DF	Qual	Units
Lead	19.4	0.500	1		mg/kg

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	04/10/09
5900 Hollis Street, Suite A	Work Order No:	09-04-0886
Emeryville, CA 94608-2008	Preparation:	EPA 3050B
	Method:	EPA 6010B

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-8-0.7'	09-04-0886-19-A	04/08/09 16:09	Solid	ICP 5300	04/20/09	04/21/09 23:00	090420L03

Parameter	Result	RL	DF	Qual	Units
Lead	32.8	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-8-1.5'	09-04-0886-20-A	04/08/09 16:18	Solid	ICP 5300	04/20/09	04/21/09 23:02	090420L03

Parameter	Result	RL	DF	Qual	Units
Lead	1060	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-8-5'	09-04-0886-21-A	04/08/09 16:33	Solid	ICP 5300	04/20/09	04/21/09 23:04	090420L02

Parameter	Result	RL	DF	Qual	Units
Lead	19.7	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-1-0.7'	09-04-0886-22-A	04/08/09 16:37	Solid	ICP 5300	04/20/09	04/21/09 23:05	090420L02

Parameter	Result	RL	DF	Qual	Units
Lead	24.5	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-1-1.5'	09-04-0886-23-A	04/08/09 16:44	Solid	ICP 5300	04/20/09	04/21/09 23:07	090420L02

Parameter	Result	RL	DF	Qual	Units
Lead	7.73	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-1-5'	09-04-0886-24-A	04/08/09 17:02	Solid	ICP 5300	04/20/09	04/21/09 23:08	090420L02

Parameter	Result	RL	DF	Qual	Units
Lead	7.74	0.500	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: 04/10/09
Work Order No: 09-04-0886
Preparation: EPA 3050B
Method: EPA 6010B

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-12,207**	**N/A**	**Solid**	**ICP 5300**	**04/20/09**	**04/22/09 11:22**	**090420L02**

Parameter	Result	RL	DF	Qual	Units
Lead	ND	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-12,210**	**N/A**	**Solid**	**ICP 5300**	**04/20/09**	**04/21/09 22:19**	**090420L03**

Parameter	Result	RL	DF	Qual	Units
Lead	ND	0.500	1		mg/kg

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	04/10/09
5900 Hollis Street, Suite A	Work Order No:	09-04-0886
Emeryville, CA 94608-2008	Preparation:	EPA 3550B
	Method:	EPA 8015B

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-5-0.7'	09-04-0886-1-A	04/08/09 11:30	Solid	GC 45	04/10/09	04/10/09 22:26	090410B06

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	500	100		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	144	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-5-1.5'	09-04-0886-2-A	04/08/09 11:40	Solid	GC 45	04/10/09	04/10/09 22:41	090410B06

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	105	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-5-5'	09-04-0886-3-A	04/08/09 11:57	Solid	GC 45	04/10/09	04/10/09 22:57	090410B06

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	98	61-145	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	04/10/09
5900 Hollis Street, Suite A	Work Order No:	09-04-0886
Emeryville, CA 94608-2008	Preparation:	EPA 3550B
	Method:	EPA 8015B

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-4-0.7'	09-04-0886-4-A	04/08/09 12:04	Solid	GC 45	04/10/09	04/10/09 23:12	090410B06

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	4500	500	100		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	126	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-4-1.5'	09-04-0886-5-A	04/08/09 12:11	Solid	GC 45	04/10/09	04/10/09 23:26	090410B06

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	102	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-4-5'	09-04-0886-6-A	04/08/09 12:25	Solid	GC 45	04/10/09	04/10/09 23:42	090410B06

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

Date Received: 04/10/09
Work Order No: 09-04-0886
Preparation: EPA 3550B
Method: EPA 8015B

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-6-0.7'	09-04-0886-7-A	04/08/09 12:31	Solid	GC 45	04/10/09	04/10/09 23:57	090410B06

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	1800	500	100		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	125	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-6-1.5'	09-04-0886-8-A	04/08/09 12:40	Solid	GC 45	04/10/09	04/11/09 00:13	090410B06

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	110	25	5		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	102	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-6-5'	09-04-0886-9-A	04/08/09 12:55	Solid	GC 45	04/10/09	04/11/09 00:29	090410B06

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	130	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	98	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: 04/10/09
Work Order No: 09-04-0886
Preparation: EPA 3550B
Method: EPA 8015B

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-7-0.7'	09-04-0886-10-A	04/08/09 14:53	Solid	GC 45	04/10/09	04/11/09 00:44	090410B06

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	910	500	100		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
HA-7-1.5'	09-04-0886-11-A	04/08/09 15:02	Solid	GC 45	04/10/09	04/11/09 01:30	090410B06

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	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
HA-7-5'	09-04-0886-12-A	04/08/09 15:15	Solid	GC 45	04/10/09	04/11/09 01:44	090410B06

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	103	61-145	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	04/10/09
5900 Hollis Street, Suite A	Work Order No:	09-04-0886
Emeryville, CA 94608-2008	Preparation:	EPA 3550B
	Method:	EPA 8015B

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-3-0.7'	09-04-0886-13-A	04/08/09 15:17	Solid	GC 45	04/10/09	04/11/09 02:00	090410B06

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	570	500	100		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
HA-3-1.5'	09-04-0886-14-A	04/08/09 15:26	Solid	GC 45	04/10/09	04/11/09 02:15	090410B06

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

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-3-5'	09-04-0886-15-A	04/08/09 15:43	Solid	GC 45	04/10/09	04/11/09 02:31	090410B06

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: 04/10/09
Work Order No: 09-04-0886
Preparation: EPA 3550B
Method: EPA 8015B

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-2-0.7'	09-04-0886-16-A	04/08/09 15:47	Solid	GC 45	04/10/09	04/11/09 02:46	090410B06

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	560	500	100		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	98	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-2-1.5'	09-04-0886-17-A	04/08/09 15:53	Solid	GC 45	04/10/09	04/11/09 03:01	090410B06

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

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-2-5'	09-04-0886-18-A	04/08/09 16:03	Solid	GC 45	04/10/09	04/11/09 03:17	090410B06

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	102	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: 04/10/09
Work Order No: 09-04-0886
Preparation: EPA 3550B
Method: EPA 8015B

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-8-0.7'	09-04-0886-19-A	04/08/09 16:09	Solid	GC 45	04/10/09	04/11/09 03:32	090410B06

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	810	500	100		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	86	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-8-1.5'	09-04-0886-20-A	04/08/09 16:18	Solid	GC 45	04/10/09	04/11/09 03:48	090410B06

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	11	5.0	1		mg/kg

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-8-5'	09-04-0886-21-A	04/08/09 16:33	Solid	GC 43	04/10/09	04/11/09 13:33	090410B04

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	35	10	2		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	95	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: 04/10/09
Work Order No: 09-04-0886
Preparation: EPA 3550B
Method: EPA 8015B

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-1-0.7'	09-04-0886-22-A	04/08/09 16:37	Solid	GC 43	04/10/09	04/11/09 13:53	090410B04

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	1300	400	80		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
HA-1-1.5'	09-04-0886-23-A	04/08/09 16:44	Solid	GC 43	04/10/09	04/11/09 14:13	090410B04

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	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
HA-1-5'	09-04-0886-24-A	04/08/09 17:02	Solid	GC 43	04/10/09	04/11/09 14:34	090410B04

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	19	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	89	61-145	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	04/10/09
5900 Hollis Street, Suite A		Work Order No:	09-04-0886
Emeryville, CA 94608-2008		Preparation:	EPA 3550B
		Method:	EPA 8015B

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-025-686**	**N/A**	**Solid**	**GC 43**	**04/10/09**	**04/11/09 10:30**	**090410B04**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		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
Method Blank	**099-12-025-687**	**N/A**	**Solid**	**GC 45**	**04/10/09**	**04/10/09 20:09**	**090410B06**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	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:	04/10/09
5900 Hollis Street, Suite A		Work Order No:	09-04-0886
Emeryville, CA 94608-2008		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-5-0.7'	09-04-0886-1-A	04/08/09 11:30	Solid	GC 45	04/10/09	04/10/09 22:26	090410B07

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	5800	2500	100		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	144	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-5-1.5'	09-04-0886-2-A	04/08/09 11:40	Solid	GC 45	04/10/09	04/10/09 22:41	090410B07

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	105	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-5-5'	09-04-0886-3-A	04/08/09 11:57	Solid	GC 45	04/10/09	04/10/09 22:57	090410B07

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	98	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-4-0.7'	09-04-0886-4-A	04/08/09 12:04	Solid	GC 45	04/10/09	04/10/09 23:12	090410B07

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	7800	2500	100		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	126	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: 04/10/09
Work Order No: 09-04-0886
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-4-1.5'	09-04-0886-5-A	04/08/09 12:11	Solid	GC 45	04/10/09	04/10/09 23:26	090410B07

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	102	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-4-5'	09-04-0886-6-A	04/08/09 12:25	Solid	GC 45	04/10/09	04/10/09 23:42	090410B07

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

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-6-0.7'	09-04-0886-7-A	04/08/09 12:31	Solid	GC 45	04/10/09	04/10/09 23:57	090410B07

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	7400	2500	100		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	125	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-6-1.5'	09-04-0886-8-A	04/08/09 12:40	Solid	GC 45	04/10/09	04/11/09 00:13	090410B07

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	290	120	5		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	102	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: 04/10/09
Work Order No: 09-04-0886
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-6-5'	09-04-0886-9-A	04/08/09 12:55	Solid	GC 45	04/10/09	04/11/09 00:29	090410B07

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	230	25	1		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	97	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-7-0.7'	09-04-0886-10-A	04/08/09 14:53	Solid	GC 45	04/10/09	04/11/09 00:44	090410B07

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	11000	2500	100		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
HA-7-1.5'	09-04-0886-11-A	04/08/09 15:02	Solid	GC 45	04/10/09	04/11/09 01:30	090410B07

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	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
HA-7-5'	09-04-0886-12-A	04/08/09 15:15	Solid	GC 45	04/10/09	04/11/09 01:44	090410B07

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1		mg/kg
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	103	61-145			

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	04/10/09
5900 Hollis Street, Suite A	Work Order No:	09-04-0886
Emeryville, CA 94608-2008	Preparation:	EPA 3550B
	Method:	EPA 8015B (M)

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-3-0.7'	09-04-0886-13-A	04/08/09 15:17	Solid	GC 45	04/10/09	04/11/09 02:00	090410B07

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	6300	2500	100		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
HA-3-1.5'	09-04-0886-14-A	04/08/09 15:26	Solid	GC 45	04/10/09	04/11/09 02:15	090410B07

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	50	25	1		mg/kg

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-3-5'	09-04-0886-15-A	04/08/09 15:43	Solid	GC 45	04/10/09	04/11/09 02:31	090410B07

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
HA-2-0.7'	09-04-0886-16-A	04/08/09 15:47	Solid	GC 45	04/10/09	04/11/09 02:46	090410B07

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	6700	2500	100		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	98	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: 04/10/09
Work Order No: 09-04-0886
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-2-1.5'	09-04-0886-17-A	04/08/09 15:53	Solid	GC 45	04/10/09	04/11/09 03:01	090410B07

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	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
HA-2-5'	09-04-0886-18-A	04/08/09 16:03	Solid	GC 45	04/10/09	04/11/09 03:17	090410B07

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	102	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-8-0.7'	09-04-0886-19-A	04/08/09 16:09	Solid	GC 45	04/10/09	04/11/09 03:32	090410B07

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	9600	2500	100		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	86	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-8-1.5'	09-04-0886-20-A	04/08/09 16:18	Solid	GC 45	04/10/09	04/11/09 03:48	090410B07

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	74	25	1		mg/kg

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

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 04/10/09
Work Order No: 09-04-0886
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-8-5'	09-04-0886-21-A	04/08/09 16:33	Solid	GC 43	04/10/09	04/11/09 13:33	090410B05

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	190	50	2		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
HA-1-0.7'	09-04-0886-22-A	04/08/09 16:37	Solid	GC 43	04/10/09	04/11/09 13:53	090410B05

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	7900	2000	80		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
HA-1-1.5'	09-04-0886-23-A	04/08/09 16:44	Solid	GC 43	04/10/09	04/11/09 14:13	090410B05

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	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
HA-1-5'	09-04-0886-24-A	04/08/09 17:02	Solid	GC 43	04/10/09	04/11/09 14:34	090410B05

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	97	25	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	89	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: 04/10/09
Work Order No: 09-04-0886
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-254-721**	**N/A**	**Solid**	**GC 43**	**04/10/09**	**04/11/09 10:30**	**090410B05**

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1		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
Method Blank	**099-12-254-722**	**N/A**	**Solid**	**GC 45**	**04/10/09**	**04/10/09 20:09**	**090410B07**

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	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:	04/10/09
5900 Hollis Street, Suite A	Work Order No:	09-04-0886
Emeryville, CA 94608-2008	Preparation:	EPA 3545
	Method:	EPA 8270C SIM PAHs
	Units:	mg/kg

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-5-0.7'	09-04-0886-1-A	04/08/09 11:30	Solid	GC/MS MM	04/13/09	04/17/09 23:40	090413L13

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.040	2		Benzo (a) Anthracene	0.29	0.040	2	
2-Methylnaphthalene	ND	0.040	2		Chrysene	0.48	0.040	2	
Acenaphthylene	ND	0.040	2		Benzo (k) Fluoranthene	0.61	0.040	2	
Acenaphthene	ND	0.040	2		Benzo (b) Fluoranthene	0.56	0.040	2	
Fluorene	ND	0.040	2		Benzo (a) Pyrene	0.51	0.040	2	
Phenanthrene	0.25	0.040	2		Benzo (g,h,i) Perylene	0.18	0.040	2	
Anthracene	0.075	0.040	2		Indeno (1,2,3-c,d) Pyrene	0.16	0.040	2	
Fluoranthene	0.39	0.040	2		Dibenz (a,h) Anthracene	0.048	0.040	2	
Pyrene	0.98	0.040	2		1-Methylnaphthalene	ND	0.040	2	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	118	18-162			2-Fluorobiphenyl	103	14-146		
p-Terphenyl-d14	190	34-148		2					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-5-1.5'	09-04-0886-2-A	04/08/09 11:40	Solid	GC/MS MM	04/13/09	04/16/09 02:45	090413L13

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.020	1		Benzo (a) Anthracene	ND	0.020	1	
2-Methylnaphthalene	ND	0.020	1		Chrysene	ND	0.020	1	
Acenaphthylene	ND	0.020	1		Benzo (k) Fluoranthene	ND	0.020	1	
Acenaphthene	ND	0.020	1		Benzo (b) Fluoranthene	ND	0.020	1	
Fluorene	ND	0.020	1		Benzo (a) Pyrene	ND	0.020	1	
Phenanthrene	ND	0.020	1		Benzo (g,h,i) Perylene	ND	0.020	1	
Anthracene	ND	0.020	1		Indeno (1,2,3-c,d) Pyrene	ND	0.020	1	
Fluoranthene	ND	0.020	1		Dibenz (a,h) Anthracene	ND	0.020	1	
Pyrene	ND	0.020	1		1-Methylnaphthalene	ND	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	108	18-162			2-Fluorobiphenyl	80	14-146		
p-Terphenyl-d14	79	34-148							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	04/10/09
5900 Hollis Street, Suite A	Work Order No:	09-04-0886
Emeryville, CA 94608-2008	Preparation:	EPA 3545
	Method:	EPA 8270C SIM PAHs
	Units:	mg/kg

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-5-5'	09-04-0886-3-A	04/08/09 11:57	Solid	GC/MS MM	04/13/09	04/16/09 07:20	090413L13

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.020	1		Benzo (a) Anthracene	ND	0.020	1	
2-Methylnaphthalene	ND	0.020	1		Chrysene	ND	0.020	1	
Acenaphthylene	ND	0.020	1		Benzo (k) Fluoranthene	ND	0.020	1	
Acenaphthene	ND	0.020	1		Benzo (b) Fluoranthene	ND	0.020	1	
Fluorene	ND	0.020	1		Benzo (a) Pyrene	ND	0.020	1	
Phenanthrene	ND	0.020	1		Benzo (g,h,i) Perylene	ND	0.020	1	
Anthracene	ND	0.020	1		Indeno (1,2,3-c,d) Pyrene	ND	0.020	1	
Fluoranthene	ND	0.020	1		Dibenz (a,h) Anthracene	ND	0.020	1	
Pyrene	ND	0.020	1		1-Methylnaphthalene	ND	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	111	18-162			2-Fluorobiphenyl	83	14-146		
p-Terphenyl-d14	76	34-148							

HA-4-0.7'	09-04-0886-4-A	04/08/09 12:04	Solid	GC/MS MM	04/13/09	04/20/09 15:44	090413L13

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	1.2	1.0	50		Benzo (a) Anthracene	3.6	1.0	50	
2-Methylnaphthalene	ND	1.0	50		Chrysene	4.0	1.0	50	
Acenaphthylene	ND	1.0	50		Benzo (k) Fluoranthene	7.1	1.0	50	
Acenaphthene	1.6	1.0	50		Benzo (b) Fluoranthene	ND	1.0	50	
Fluorene	1.7	1.0	50		Benzo (a) Pyrene	4.2	1.0	50	
Phenanthrene	8.5	1.0	50		Benzo (g,h,i) Perylene	1.6	1.0	50	
Anthracene	2.6	1.0	50		Indeno (1,2,3-c,d) Pyrene	2.2	1.0	50	
Fluoranthene	7.9	1.0	50		Dibenz (a,h) Anthracene	ND	1.0	50	
Pyrene	8.1	1.0	50		1-Methylnaphthalene	ND	1.0	50	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	0	18-162		1,2	2-Fluorobiphenyl	0	14-146		2,1
p-Terphenyl-d14	0	34-148		2,1					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	04/10/09
5900 Hollis Street, Suite A	Work Order No:	09-04-0886
Emeryville, CA 94608-2008	Preparation:	EPA 3545
	Method:	EPA 8270C SIM PAHs
	Units:	mg/kg

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-4-1.5'	09-04-0886-5-A	04/08/09 12:11	Solid	GC/MS MM	04/13/09	04/16/09 05:49	090413L13

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.020	1		Benzo (a) Anthracene	ND	0.020	1	
2-Methylnaphthalene	ND	0.020	1		Chrysene	ND	0.020	1	
Acenaphthylene	ND	0.020	1		Benzo (k) Fluoranthene	ND	0.020	1	
Acenaphthene	ND	0.020	1		Benzo (b) Fluoranthene	ND	0.020	1	
Fluorene	ND	0.020	1		Benzo (a) Pyrene	ND	0.020	1	
Phenanthrene	ND	0.020	1		Benzo (g,h,i) Perylene	ND	0.020	1	
Anthracene	ND	0.020	1		Indeno (1,2,3-c,d) Pyrene	ND	0.020	1	
Fluoranthene	ND	0.020	1		Dibenz (a,h) Anthracene	ND	0.020	1	
Pyrene	ND	0.020	1		1-Methylnaphthalene	ND	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	115	18-162			2-Fluorobiphenyl	82	14-146		
p-Terphenyl-d14	77	34-148							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-4-5'	09-04-0886-6-A	04/08/09 12:25	Solid	GC/MS MM	04/13/09	04/16/09 02:00	090413L13

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.020	1		Benzo (a) Anthracene	ND	0.020	1	
2-Methylnaphthalene	ND	0.020	1		Chrysene	ND	0.020	1	
Acenaphthylene	ND	0.020	1		Benzo (k) Fluoranthene	ND	0.020	1	
Acenaphthene	ND	0.020	1		Benzo (b) Fluoranthene	ND	0.020	1	
Fluorene	ND	0.020	1		Benzo (a) Pyrene	ND	0.020	1	
Phenanthrene	ND	0.020	1		Benzo (g,h,i) Perylene	ND	0.020	1	
Anthracene	ND	0.020	1		Indeno (1,2,3-c,d) Pyrene	ND	0.020	1	
Fluoranthene	ND	0.020	1		Dibenz (a,h) Anthracene	ND	0.020	1	
Pyrene	ND	0.020	1		1-Methylnaphthalene	ND	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	111	18-162			2-Fluorobiphenyl	73	14-146		
p-Terphenyl-d14	76	34-148							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	04/10/09
5900 Hollis Street, Suite A		Work Order No:	09-04-0886
Emeryville, CA 94608-2008		Preparation:	EPA 3545
		Method:	EPA 8270C SIM PAHs
		Units:	mg/kg

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-6-0.7'	09-04-0886-7-A	04/08/09 12:31	Solid	GC/MS MM	04/13/09	04/18/09 01:09	090413L13

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.040	2		Benzo (a) Anthracene	ND	0.040	2	
2-Methylnaphthalene	ND	0.040	2		Chrysene	0.12	0.040	2	
Acenaphthylene	ND	0.040	2		Benzo (k) Fluoranthene	ND	0.040	2	
Acenaphthene	ND	0.040	2		Benzo (b) Fluoranthene	ND	0.040	2	
Fluorene	ND	0.040	2		Benzo (a) Pyrene	0.21	0.040	2	
Phenanthrene	ND	0.040	2		Benzo (g,h,i) Perylene	0.077	0.040	2	
Anthracene	ND	0.040	2		Indeno (1,2,3-c,d) Pyrene	ND	0.040	2	
Fluoranthene	ND	0.040	2		Dibenz (a,h) Anthracene	ND	0.040	2	
Pyrene	0.077	0.040	2		1-Methylnaphthalene	ND	0.040	2	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	188	18-162		2	2-Fluorobiphenyl	113	14-146		
p-Terphenyl-d14	219	34-148		2					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-6-1.5'	09-04-0886-8-A	04/08/09 12:40	Solid	GC/MS MM	04/13/09	04/16/09 12:34	090413L13

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.020	1		Benzo (a) Anthracene	ND	0.020	1	
2-Methylnaphthalene	ND	0.020	1		Chrysene	ND	0.020	1	
Acenaphthylene	ND	0.020	1		Benzo (k) Fluoranthene	ND	0.020	1	
Acenaphthene	ND	0.020	1		Benzo (b) Fluoranthene	ND	0.020	1	
Fluorene	ND	0.020	1		Benzo (a) Pyrene	ND	0.020	1	
Phenanthrene	ND	0.020	1		Benzo (g,h,i) Perylene	ND	0.020	1	
Anthracene	ND	0.020	1		Indeno (1,2,3-c,d) Pyrene	ND	0.020	1	
Fluoranthene	ND	0.020	1		Dibenz (a,h) Anthracene	ND	0.020	1	
Pyrene	ND	0.020	1		1-Methylnaphthalene	ND	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	110	18-162			2-Fluorobiphenyl	78	14-146		
p-Terphenyl-d14	89	34-148							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	04/10/09
5900 Hollis Street, Suite A	Work Order No:	09-04-0886
Emeryville, CA 94608-2008	Preparation:	EPA 3545
	Method:	EPA 8270C SIM PAHs
	Units:	mg/kg

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-6-5'	09-04-0886-9-A	04/08/09 12:55	Solid	GC/MS MM	04/13/09	04/16/09 08:06	090413L13

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.020	1		Benzo (a) Anthracene	ND	0.020	1	
2-Methylnaphthalene	ND	0.020	1		Chrysene	ND	0.020	1	
Acenaphthylene	ND	0.020	1		Benzo (k) Fluoranthene	ND	0.020	1	
Acenaphthene	ND	0.020	1		Benzo (b) Fluoranthene	ND	0.020	1	
Fluorene	ND	0.020	1		Benzo (a) Pyrene	ND	0.020	1	
Phenanthrene	ND	0.020	1		Benzo (g,h,i) Perylene	ND	0.020	1	
Anthracene	ND	0.020	1		Indeno (1,2,3-c,d) Pyrene	ND	0.020	1	
Fluoranthene	ND	0.020	1		Dibenz (a,h) Anthracene	ND	0.020	1	
Pyrene	ND	0.020	1		1-Methylnaphthalene	ND	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	103	18-162			2-Fluorobiphenyl	62	14-146		
p-Terphenyl-d14	68	34-148							

HA-7-0.7'	09-04-0886-10-A	04/08/09 14:53	Solid	GC/MS MM	04/13/09	04/18/09 01:54	090413L13

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.040	2		Benzo (a) Anthracene	ND	0.040	2	
2-Methylnaphthalene	ND	0.040	2		Chrysene	0.091	0.040	2	
Acenaphthylene	ND	0.040	2		Benzo (k) Fluoranthene	ND	0.040	2	
Acenaphthene	ND	0.040	2		Benzo (b) Fluoranthene	ND	0.040	2	
Fluorene	ND	0.040	2		Benzo (a) Pyrene	0.18	0.040	2	
Phenanthrene	ND	0.040	2		Benzo (g,h,i) Perylene	ND	0.040	2	
Anthracene	ND	0.040	2		Indeno (1,2,3-c,d) Pyrene	ND	0.040	2	
Fluoranthene	ND	0.040	2		Dibenz (a,h) Anthracene	ND	0.040	2	
Pyrene	ND	0.040	2		1-Methylnaphthalene	ND	0.040	2	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	101	18-162			2-Fluorobiphenyl	93	14-146		
p-Terphenyl-d14	235	34-148		2					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	04/10/09
5900 Hollis Street, Suite A	Work Order No:	09-04-0886
Emeryville, CA 94608-2008	Preparation:	EPA 3545
	Method:	EPA 8270C SIM PAHs
	Units:	mg/kg

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-7-1.5'	09-04-0886-11-A	04/08/09 15:02	Solid	GC/MS MM	04/13/09	04/16/09 06:35	090413L13

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.020	1		Benzo (a) Anthracene	ND	0.020	1	
2-Methylnaphthalene	ND	0.020	1		Chrysene	ND	0.020	1	
Acenaphthylene	ND	0.020	1		Benzo (k) Fluoranthene	ND	0.020	1	
Acenaphthene	ND	0.020	1		Benzo (b) Fluoranthene	ND	0.020	1	
Fluorene	ND	0.020	1		Benzo (a) Pyrene	ND	0.020	1	
Phenanthrene	ND	0.020	1		Benzo (g,h,i) Perylene	ND	0.020	1	
Anthracene	ND	0.020	1		Indeno (1,2,3-c,d) Pyrene	ND	0.020	1	
Fluoranthene	ND	0.020	1		Dibenz (a,h) Anthracene	ND	0.020	1	
Pyrene	ND	0.020	1		1-Methylnaphthalene	ND	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	97	18-162			2-Fluorobiphenyl	59	14-146		
p-Terphenyl-d14	65	34-148							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-7-5'	09-04-0886-12-A	04/08/09 15:15	Solid	GC/MS MM	04/13/09	04/16/09 11:50	090413L13

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.020	1		Benzo (a) Anthracene	ND	0.020	1	
2-Methylnaphthalene	ND	0.020	1		Chrysene	ND	0.020	1	
Acenaphthylene	ND	0.020	1		Benzo (k) Fluoranthene	ND	0.020	1	
Acenaphthene	ND	0.020	1		Benzo (b) Fluoranthene	ND	0.020	1	
Fluorene	ND	0.020	1		Benzo (a) Pyrene	ND	0.020	1	
Phenanthrene	ND	0.020	1		Benzo (g,h,i) Perylene	ND	0.020	1	
Anthracene	ND	0.020	1		Indeno (1,2,3-c,d) Pyrene	ND	0.020	1	
Fluoranthene	ND	0.020	1		Dibenz (a,h) Anthracene	ND	0.020	1	
Pyrene	ND	0.020	1		1-Methylnaphthalene	ND	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	97	18-162			2-Fluorobiphenyl	71	14-146		
p-Terphenyl-d14	78	34-148							

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: 04/10/09
Work Order No: 09-04-0886
Preparation: EPA 3545
Method: EPA 8270C SIM PAHs
Units: mg/kg

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-3-0.7'	09-04-0886-13-A	04/08/09 15:17	Solid	GC/MS MM	04/13/09	04/18/09 02:39	090413L13

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.040	2		Benzo (a) Anthracene	ND	0.040	2	
2-Methylnaphthalene	ND	0.040	2		Chrysene	0.070	0.040	2	
Acenaphthylene	ND	0.040	2		Benzo (k) Fluoranthene	ND	0.040	2	
Acenaphthene	ND	0.040	2		Benzo (b) Fluoranthene	ND	0.040	2	
Fluorene	ND	0.040	2		Benzo (a) Pyrene	0.16	0.040	2	
Phenanthrene	ND	0.040	2		Benzo (g,h,i) Perylene	ND	0.040	2	
Anthracene	ND	0.040	2		Indeno (1,2,3-c,d) Pyrene	ND	0.040	2	
Fluoranthene	ND	0.040	2		Dibenz (a,h) Anthracene	ND	0.040	2	
Pyrene	ND	0.040	2		1-Methylnaphthalene	ND	0.040	2	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	98	18-162			2-Fluorobiphenyl	95	14-146		
p-Terphenyl-d14	228	34-148		2					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-3-1.5'	09-04-0886-14-A	04/08/09 15:26	Solid	GC/MS MM	04/13/09	04/16/09 08:51	090413L13

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.020	1		Benzo (a) Anthracene	ND	0.020	1	
2-Methylnaphthalene	ND	0.020	1		Chrysene	ND	0.020	1	
Acenaphthylene	ND	0.020	1		Benzo (k) Fluoranthene	ND	0.020	1	
Acenaphthene	ND	0.020	1		Benzo (b) Fluoranthene	ND	0.020	1	
Fluorene	ND	0.020	1		Benzo (a) Pyrene	ND	0.020	1	
Phenanthrene	ND	0.020	1		Benzo (g,h,i) Perylene	ND	0.020	1	
Anthracene	ND	0.020	1		Indeno (1,2,3-c,d) Pyrene	ND	0.020	1	
Fluoranthene	ND	0.020	1		Dibenz (a,h) Anthracene	ND	0.020	1	
Pyrene	ND	0.020	1		1-Methylnaphthalene	ND	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	114	18-162			2-Fluorobiphenyl	86	14-146		
p-Terphenyl-d14	84	34-148							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	04/10/09
5900 Hollis Street, Suite A	Work Order No:	09-04-0886
Emeryville, CA 94608-2008	Preparation:	EPA 3545
	Method:	EPA 8270C SIM PAHs
	Units:	mg/kg

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-3-5'	09-04-0886-15-A	04/08/09 15:43	Solid	GC/MS MM	04/13/09	04/16/09 03:31	090413L13

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.020	1		Benzo (a) Anthracene	ND	0.020	1	
2-Methylnaphthalene	ND	0.020	1		Chrysene	ND	0.020	1	
Acenaphthylene	ND	0.020	1		Benzo (k) Fluoranthene	ND	0.020	1	
Acenaphthene	ND	0.020	1		Benzo (b) Fluoranthene	ND	0.020	1	
Fluorene	ND	0.020	1		Benzo (a) Pyrene	ND	0.020	1	
Phenanthrene	ND	0.020	1		Benzo (g,h,i) Perylene	ND	0.020	1	
Anthracene	ND	0.020	1		Indeno (1,2,3-c,d) Pyrene	ND	0.020	1	
Fluoranthene	ND	0.020	1		Dibenz (a,h) Anthracene	ND	0.020	1	
Pyrene	ND	0.020	1		1-Methylnaphthalene	ND	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	106	18-162			2-Fluorobiphenyl	75	14-146		
p-Terphenyl-d14	80	34-148							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-2-0.7'	09-04-0886-16-A	04/08/09 15:47	Solid	GC/MS MM	04/13/09	04/18/09 03:24	090413L13

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.040	2		Benzo (a) Anthracene	ND	0.040	2	
2-Methylnaphthalene	ND	0.040	2		Chrysene	ND	0.040	2	
Acenaphthylene	ND	0.040	2		Benzo (k) Fluoranthene	ND	0.040	2	
Acenaphthene	ND	0.040	2		Benzo (b) Fluoranthene	ND	0.040	2	
Fluorene	ND	0.040	2		Benzo (a) Pyrene	0.19	0.040	2	
Phenanthrene	ND	0.040	2		Benzo (g,h,i) Perylene	ND	0.040	2	
Anthracene	ND	0.040	2		Indeno (1,2,3-c,d) Pyrene	ND	0.040	2	
Fluoranthene	ND	0.040	2		Dibenz (a,h) Anthracene	ND	0.040	2	
Pyrene	ND	0.040	2		1-Methylnaphthalene	ND	0.040	2	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	99	18-162			2-Fluorobiphenyl	95	14-146		
p-Terphenyl-d14	306	34-148		2					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	04/10/09
5900 Hollis Street, Suite A	Work Order No:	09-04-0886
Emeryville, CA 94608-2008	Preparation:	EPA 3545
	Method:	EPA 8270C SIM PAHs
	Units:	mg/kg

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-2-1.5'	09-04-0886-17-A	04/08/09 15:53	Solid	GC/MS MM	04/13/09	04/16/09 05:04	090413L13

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.020	1		Benzo (a) Anthracene	ND	0.020	1	
2-Methylnaphthalene	ND	0.020	1		Chrysene	ND	0.020	1	
Acenaphthylene	ND	0.020	1		Benzo (k) Fluoranthene	ND	0.020	1	
Acenaphthene	ND	0.020	1		Benzo (b) Fluoranthene	ND	0.020	1	
Fluorene	ND	0.020	1		Benzo (a) Pyrene	ND	0.020	1	
Phenanthrene	ND	0.020	1		Benzo (g,h,i) Perylene	ND	0.020	1	
Anthracene	ND	0.020	1		Indeno (1,2,3-c,d) Pyrene	ND	0.020	1	
Fluoranthene	ND	0.020	1		Dibenz (a,h) Anthracene	ND	0.020	1	
Pyrene	ND	0.020	1		1-Methylnaphthalene	ND	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	51	18-162			2-Fluorobiphenyl	37	14-146		
p-Terphenyl-d14	37	34-148							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-2-5'	09-04-0886-18-A	04/08/09 16:03	Solid	GC/MS MM	04/13/09	04/16/09 09:36	090413L13

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.020	1		Benzo (a) Anthracene	ND	0.020	1	
2-Methylnaphthalene	ND	0.020	1		Chrysene	ND	0.020	1	
Acenaphthylene	ND	0.020	1		Benzo (k) Fluoranthene	ND	0.020	1	
Acenaphthene	ND	0.020	1		Benzo (b) Fluoranthene	ND	0.020	1	
Fluorene	ND	0.020	1		Benzo (a) Pyrene	ND	0.020	1	
Phenanthrene	ND	0.020	1		Benzo (g,h,i) Perylene	ND	0.020	1	
Anthracene	ND	0.020	1		Indeno (1,2,3-c,d) Pyrene	ND	0.020	1	
Fluoranthene	ND	0.020	1		Dibenz (a,h) Anthracene	ND	0.020	1	
Pyrene	ND	0.020	1		1-Methylnaphthalene	ND	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	114	18-162			2-Fluorobiphenyl	81	14-146		
p-Terphenyl-d14	81	34-148							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	04/10/09
5900 Hollis Street, Suite A	Work Order No:	09-04-0886
Emeryville, CA 94608-2008	Preparation:	EPA 3545
	Method:	EPA 8270C SIM PAHs
	Units:	mg/kg

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-8-0.7'	09-04-0886-19-A	04/08/09 16:09	Solid	GC/MS MM	04/13/09	04/18/09 04:08	090413L13

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.040	2		Benzo (a) Anthracene	ND	0.040	2	
2-Methylnaphthalene	ND	0.040	2		Chrysene	0.079	0.040	2	
Acenaphthylene	ND	0.040	2		Benzo (k) Fluoranthene	ND	0.040	2	
Acenaphthene	ND	0.040	2		Benzo (b) Fluoranthene	ND	0.040	2	
Fluorene	ND	0.040	2		Benzo (a) Pyrene	0.17	0.040	2	
Phenanthrene	ND	0.040	2		Benzo (g,h,i) Perylene	ND	0.040	2	
Anthracene	ND	0.040	2		Indeno (1,2,3-c,d) Pyrene	ND	0.040	2	
Fluoranthene	ND	0.040	2		Dibenz (a,h) Anthracene	ND	0.040	2	
Pyrene	ND	0.040	2		1-Methylnaphthalene	ND	0.040	2	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	102	18-162			2-Fluorobiphenyl	97	14-146		
p-Terphenyl-d14	309	34-148		2					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-8-1.5'	09-04-0886-20-A	04/08/09 16:18	Solid	GC/MS MM	04/13/09	04/16/09 11:05	090413L13

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.020	1		Benzo (a) Anthracene	0.17	0.020	1	
2-Methylnaphthalene	ND	0.020	1		Chrysene	0.18	0.020	1	
Acenaphthylene	ND	0.020	1		Benzo (k) Fluoranthene	0.18	0.020	1	
Acenaphthene	ND	0.020	1		Benzo (b) Fluoranthene	0.15	0.020	1	
Fluorene	ND	0.020	1		Benzo (a) Pyrene	0.20	0.020	1	
Phenanthrene	0.10	0.020	1		Benzo (g,h,i) Perylene	0.045	0.020	1	
Anthracene	0.027	0.020	1		Indeno (1,2,3-c,d) Pyrene	0.061	0.020	1	
Fluoranthene	0.29	0.020	1		Dibenz (a,h) Anthracene	ND	0.020	1	
Pyrene	0.31	0.020	1		1-Methylnaphthalene	ND	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	120	18-162			2-Fluorobiphenyl	84	14-146		
p-Terphenyl-d14	88	34-148							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	04/10/09
5900 Hollis Street, Suite A		Work Order No:	09-04-0886
Emeryville, CA 94608-2008		Preparation:	EPA 3545
		Method:	EPA 8270C SIM PAHs
		Units:	mg/kg

Project: 2703 Martin Luther King Jr. Way, Oakland, CA — Page 11 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-8-5'	09-04-0886-21-A	04/08/09 16:33	Solid	GC/MS MM	04/13/09	04/17/09 19:57	090413L14

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.020	1		Benzo (a) Anthracene	ND	0.020	1	
2-Methylnaphthalene	ND	0.020	1		Chrysene	ND	0.020	1	
Acenaphthylene	ND	0.020	1		Benzo (k) Fluoranthene	ND	0.020	1	
Acenaphthene	ND	0.020	1		Benzo (b) Fluoranthene	ND	0.020	1	
Fluorene	ND	0.020	1		Benzo (a) Pyrene	ND	0.020	1	
Phenanthrene	ND	0.020	1		Benzo (g,h,i) Perylene	ND	0.020	1	
Anthracene	ND	0.020	1		Indeno (1,2,3-c,d) Pyrene	ND	0.020	1	
Fluoranthene	ND	0.020	1		Dibenz (a,h) Anthracene	ND	0.020	1	
Pyrene	ND	0.020	1		1-Methylnaphthalene	ND	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	83	18-162			2-Fluorobiphenyl	72	14-146		
p-Terphenyl-d14	75	34-148							

HA-1-0.7'	09-04-0886-22-A	04/08/09 16:37	Solid	GC/MS MM	04/13/09	04/18/09 04:54	090413L14

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.040	2		Benzo (a) Anthracene	ND	0.040	2	
2-Methylnaphthalene	ND	0.040	2		Chrysene	ND	0.040	2	
Acenaphthylene	ND	0.040	2		Benzo (k) Fluoranthene	ND	0.040	2	
Acenaphthene	ND	0.040	2		Benzo (b) Fluoranthene	ND	0.040	2	
Fluorene	ND	0.040	2		Benzo (a) Pyrene	0.18	0.040	2	
Phenanthrene	ND	0.040	2		Benzo (g,h,i) Perylene	ND	0.040	2	
Anthracene	ND	0.040	2		Indeno (1,2,3-c,d) Pyrene	ND	0.040	2	
Fluoranthene	ND	0.040	2		Dibenz (a,h) Anthracene	ND	0.040	2	
Pyrene	ND	0.040	2		1-Methylnaphthalene	ND	0.040	2	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	100	18-162			2-Fluorobiphenyl	96	14-146		
p-Terphenyl-d14	243	34-148		2					

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: 04/10/09
Work Order No: 09-04-0886
Preparation: EPA 3545
Method: EPA 8270C SIM PAHs
Units: mg/kg

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-1-1.5'	09-04-0886-23-A	04/08/09 16:44	Solid	GC/MS MM	04/13/09	04/16/09 10:21	090413L14

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.020	1		Benzo (a) Anthracene	ND	0.020	1	
2-Methylnaphthalene	ND	0.020	1		Chrysene	ND	0.020	1	
Acenaphthylene	ND	0.020	1		Benzo (k) Fluoranthene	ND	0.020	1	
Acenaphthene	ND	0.020	1		Benzo (b) Fluoranthene	ND	0.020	1	
Fluorene	ND	0.020	1		Benzo (a) Pyrene	ND	0.020	1	
Phenanthrene	ND	0.020	1		Benzo (g,h,i) Perylene	ND	0.020	1	
Anthracene	ND	0.020	1		Indeno (1,2,3-c,d) Pyrene	ND	0.020	1	
Fluoranthene	ND	0.020	1		Dibenz (a,h) Anthracene	ND	0.020	1	
Pyrene	ND	0.020	1		1-Methylnaphthalene	ND	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	95	18-162			2-Fluorobiphenyl	57	14-146		
p-Terphenyl-d14	78	34-148							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-1-5'	09-04-0886-24-A	04/08/09 17:02	Solid	GC/MS MM	04/13/09	04/16/09 13:19	090413L14

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.020	1		Benzo (a) Anthracene	ND	0.020	1	
2-Methylnaphthalene	ND	0.020	1		Chrysene	ND	0.020	1	
Acenaphthylene	ND	0.020	1		Benzo (k) Fluoranthene	ND	0.020	1	
Acenaphthene	ND	0.020	1		Benzo (b) Fluoranthene	ND	0.020	1	
Fluorene	ND	0.020	1		Benzo (a) Pyrene	ND	0.020	1	
Phenanthrene	ND	0.020	1		Benzo (g,h,i) Perylene	ND	0.020	1	
Anthracene	ND	0.020	1		Indeno (1,2,3-c,d) Pyrene	ND	0.020	1	
Fluoranthene	ND	0.020	1		Dibenz (a,h) Anthracene	ND	0.020	1	
Pyrene	ND	0.020	1		1-Methylnaphthalene	ND	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	109	18-162			2-Fluorobiphenyl	80	14-146		
p-Terphenyl-d14	108	34-148							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	04/10/09
5900 Hollis Street, Suite A	Work Order No:	09-04-0886
Emeryville, CA 94608-2008	Preparation:	EPA 3545
	Method:	EPA 8270C SIM PAHs
	Units:	mg/kg

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-06-010-294**	**N/A**	**Solid**	**GC/MS MM**	**04/13/09**	**04/15/09 16:56**	**090413L13**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.020	1		Benzo (a) Anthracene	ND	0.020	1	
2-Methylnaphthalene	ND	0.020	1		Chrysene	ND	0.020	1	
Acenaphthylene	ND	0.020	1		Benzo (k) Fluoranthene	ND	0.020	1	
Acenaphthene	ND	0.020	1		Benzo (b) Fluoranthene	ND	0.020	1	
Fluorene	ND	0.020	1		Benzo (a) Pyrene	ND	0.020	1	
Phenanthrene	ND	0.020	1		Benzo (g,h,i) Perylene	ND	0.020	1	
Anthracene	ND	0.020	1		Indeno (1,2,3-c,d) Pyrene	ND	0.020	1	
Fluoranthene	ND	0.020	1		Dibenz (a,h) Anthracene	ND	0.020	1	
Pyrene	ND	0.020	1		1-Methylnaphthalene	ND	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	108	18-162			2-Fluorobiphenyl	85	14-146		
p-Terphenyl-d14	89	34-148							

Method Blank	**099-06-010-295**	**N/A**	**Solid**	**GC/MS MM**	**04/13/09**	**04/16/09 23:31**	**090413L14**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.020	1		Benzo (a) Anthracene	ND	0.020	1	
2-Methylnaphthalene	ND	0.020	1		Chrysene	ND	0.020	1	
Acenaphthylene	ND	0.020	1		Benzo (k) Fluoranthene	ND	0.020	1	
Acenaphthene	ND	0.020	1		Benzo (b) Fluoranthene	ND	0.020	1	
Fluorene	ND	0.020	1		Benzo (a) Pyrene	ND	0.020	1	
Phenanthrene	ND	0.020	1		Benzo (g,h,i) Perylene	ND	0.020	1	
Anthracene	ND	0.020	1		Indeno (1,2,3-c,d) Pyrene	ND	0.020	1	
Fluoranthene	ND	0.020	1		Dibenz (a,h) Anthracene	ND	0.020	1	
Pyrene	ND	0.020	1		1-Methylnaphthalene	ND	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Nitrobenzene-d5	124	18-162			2-Fluorobiphenyl	70	14-146		
p-Terphenyl-d14	62	34-148							

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: 04/10/09
Work Order No: 09-04-0886
Preparation: EPA 3050B
Method: EPA 6010B

Project 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-04-1651-4	Solid	ICP 5300	04/20/09	04/21/09	090420S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	102	98	75-125	3	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 04/10/09
Work Order No: 09-04-0886
Preparation: EPA 3050B
Method: EPA 6010B

Project 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
HA-4-5'	Solid	ICP 5300	04/20/09	04/21/09	090420S03

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	109	102	75-125	5	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 04/10/09
5900 Hollis Street, Suite A	Work Order No: 09-04-0886
Emeryville, CA 94608-2008	Preparation: EPA 3550B
	Method: EPA 8015B

Project 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
HA-1-1.5'	Solid	GC 43	04/10/09	04/11/09	090410S04

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	136	137	64-130	0	0-15	3

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: 04/10/09
Work Order No: 09-04-0886
Preparation: EPA 3550B
Method: EPA 8015B

Project 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
HA-4-5'	Solid	GC 45	04/10/09	04/10/09	090410S06

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	93	93	64-130	0	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: 04/10/09
Work Order No: 09-04-0886
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
HA-1-1.5'	Solid	GC 43	04/10/09	04/11/09	090410S05

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	91	92	64-130	1	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: 04/10/09
Work Order No: 09-04-0886
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
HA-4-5'	Solid	GC 45	04/10/09	04/10/09	090410S07

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	81	84	64-130	5	0-15	

RPD - Relative Percent Difference , CL - Control Limit

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: 04/10/09
Work Order No: 09-04-0886
Preparation: EPA 3545
Method: EPA 8270C SIM PAHs

Project 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
HA-2-5'	Solid	GC/MS MM	04/13/09	04/17/09	090413S13

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Naphthalene	79	79	21-133	1	0-25	
2-Methylnaphthalene	82	82	21-140	0	0-25	
Acenaphthylene	81	80	33-145	1	0-25	
Acenaphthene	80	78	40-106	2	0-25	
Fluorene	81	80	59-121	2	0-25	
Phenanthrene	80	78	54-120	3	0-25	
Anthracene	75	74	27-133	1	0-25	
Fluoranthene	76	71	26-137	7	0-25	
Pyrene	89	83	6-156	7	0-25	
Benzo (a) Anthracene	80	77	33-143	4	0-25	
Chrysene	78	74	17-168	5	0-25	
Benzo (k) Fluoranthene	101	98	24-159	3	0-25	
Benzo (b) Fluoranthene	99	95	24-159	5	0-25	
Benzo (a) Pyrene	85	84	17-163	2	0-25	
Benzo (g,h,i) Perylene	28	29	0-219	3	0-25	
Indeno (1,2,3-c,d) Pyrene	38	40	0-171	6	0-25	
Dibenz (a,h) Anthracene	32	34	0-227	5	0-25	
1-Methylnaphthalene	81	80	40-160	1	0-25	

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: 04/10/09
Work Order No: 09-04-0886
Preparation: EPA 3545
Method: EPA 8270C SIM PAHs

Project 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
HA-8-5'	Solid	GC/MS MM	04/13/09	04/17/09	090413S14

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Naphthalene	70	75	21-133	6	0-25	
2-Methylnaphthalene	73	77	21-140	5	0-25	
Acenaphthylene	71	76	33-145	6	0-25	
Acenaphthene	70	75	40-106	6	0-25	
Fluorene	71	76	59-121	6	0-25	
Phenanthrene	69	77	54-120	10	0-25	
Anthracene	67	72	27-133	7	0-25	
Fluoranthene	63	70	26-137	10	0-25	
Pyrene	75	95	6-156	23	0-25	
Benzo (a) Anthracene	69	76	33-143	9	0-25	
Chrysene	65	76	17-168	15	0-25	
Benzo (k) Fluoranthene	87	102	24-159	16	0-25	
Benzo (b) Fluoranthene	84	103	24-159	21	0-25	
Benzo (a) Pyrene	73	84	17-163	13	0-25	
Benzo (g,h,i) Perylene	25	25	0-219	2	0-25	
Indeno (1,2,3-c,d) Pyrene	35	33	0-171	5	0-25	
Dibenz (a,h) Anthracene	30	28	0-227	6	0-25	
1-Methylnaphthalene	71	76	40-160	7	0-25	

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: 09-04-0886
Preparation: EPA 3050B
Method: EPA 6010B

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-12,207	Solid	ICP 5300	04/20/09	04/22/09	090420L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	102	103	80-120	1	0-20	

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:	09-04-0886
Emeryville, CA 94608-2008		Preparation:	EPA 3050B
		Method:	EPA 6010B

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-002-12,210	Solid	ICP 5300	04/21/09	090420-I-03	090420L03

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Lead	25.0	26.9	108	80-120	

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:	09-04-0886
Preparation:	EPA 3550B
Method:	EPA 8015B

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-025-686	Solid	GC 43	04/10/09	04/11/09	090410B04

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	98	103	75-123	5	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 09-04-0886
Emeryville, CA 94608-2008	Preparation: EPA 3550B
	Method: EPA 8015B

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-025-687	Solid	GC 45	04/10/09	04/10/09	090410B06

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	100	99	75-123	1	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: 09-04-0886
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-254-721	Solid	GC 43	04/10/09	04/11/09	090410B05

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	96	96	75-123	0	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates		Date Received:	N/A
5900 Hollis Street, Suite A		Work Order No:	09-04-0886
Emeryville, CA 94608-2008		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-254-722	Solid	GC 45	04/10/09	04/10/09	090410B07

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	86	86	75-123	0	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 09-04-0886
Emeryville, CA 94608-2008	Preparation: EPA 3545
	Method: EPA 8270C SIM PAHs

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-06-010-294	Solid	GC/MS MM	04/13/09	04/15/09	090413L13

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Naphthalene	93	93	21-133	2-152	1	0-25	
2-Methylnaphthalene	97	96	21-140	1-160	0	0-25	
Acenaphthylene	92	92	33-145	14-164	1	0-25	
Acenaphthene	94	94	48-108	38-118	0	0-11	
Fluorene	95	96	59-121	49-131	1	0-25	
Phenanthrene	96	96	54-120	43-131	0	0-25	
Anthracene	74	75	27-133	9-151	2	0-25	
Fluoranthene	90	90	26-137	8-156	0	0-25	
Pyrene	95	95	28-106	15-119	0	0-16	
Benzo (a) Anthracene	90	90	33-143	15-161	0	0-25	
Chrysene	90	90	17-168	0-193	0	0-25	
Benzo (k) Fluoranthene	102	102	24-159	2-182	1	0-25	
Benzo (b) Fluoranthene	98	98	24-159	2-182	1	0-25	
Benzo (a) Pyrene	93	93	17-163	0-187	0	0-25	
Benzo (g,h,i) Perylene	83	83	0-227	0-265	1	0-25	
Indeno (1,2,3-c,d) Pyrene	92	94	0-171	0-200	2	0-25	
Dibenz (a,h) Anthracene	71	71	0-219	0-256	1	0-25	
1-Methylnaphthalene	96	96	40-160	20-180	0	0-25	

Total number of LCS compounds : 18
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 09-04-0886
Preparation: EPA 3545
Method: EPA 8270C SIM PAHs

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-06-010-295	Solid	GC/MS MM	04/13/09	04/17/09	090413L14

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Naphthalene	99	99	21-133	2-152	0	0-25	
2-Methylnaphthalene	105	106	21-140	1-160	0	0-25	
Acenaphthylene	98	99	33-145	14-164	1	0-25	
Acenaphthene	100	100	48-108	38-118	1	0-11	
Fluorene	104	105	59-121	49-131	1	0-25	
Phenanthrene	95	96	54-120	43-131	1	0-25	
Anthracene	88	89	27-133	9-151	2	0-25	
Fluoranthene	85	86	26-137	8-156	1	0-25	
Pyrene	92	94	28-106	15-119	1	0-16	
Benzo (a) Anthracene	91	91	33-143	15-161	0	0-25	
Chrysene	88	89	17-168	0-193	1	0-25	
Benzo (k) Fluoranthene	98	99	24-159	2-182	1	0-25	
Benzo (b) Fluoranthene	95	94	24-159	2-182	2	0-25	
Benzo (a) Pyrene	93	94	17-163	0-187	1	0-25	
Benzo (g,h,i) Perylene	85	84	0-227	0-265	0	0-25	
Indeno (1,2,3-c,d) Pyrene	99	99	0-171	0-200	0	0-25	
Dibenz (a,h) Anthracene	75	75	0-219	0-256	1	0-25	
1-Methylnaphthalene	105	106	40-160	20-180	1	0-25	

Total number of LCS compounds : 18
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-04-0886

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.

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): 97093397 [ ] CHECK IF NO INCIDENT # APPLIES

DATE: 4/8/09

PO #

SAP #: 129449

PAGE: 1 of 3

SAMPLING COMPANY: Conestoga-Rovers & Associates

LOG CODE: CRAW

SITE ADDRESS: Street and City: 2703 Martin Luther King Jr Way, Oakland

State: CA

GLOBAL ID NO: T0600101876

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: 240781

PROJECT CONTACT (Hardcopy or PDF Report to): Tom Sparrowe

TELEPHONE: 510-420-3316

FAX: 510-420-9170

E-MAIL: tsparrowe@craworld.com

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

LAB USE ONLY: 09-04-0886

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

TEMPERATURE ON RECEIPT C°: 2.2

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	Ice	OTHER	NO. OF CONT.	TPH-d (8015B)	TPHg (8260B)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	LEAD (6010B)	PAH (8270C-SIM) using selective ion monitoring (SIM) Mode	TPH - MO (8015B)	CAM17 Metals - Total (6010)	SVOCs (8270C)	VOCs (8260)	PCBs (8082)	Container PID Readings or Laboratory Notes
1	HA-5-0.7'	4/8/09	11:30	Soil						X	1	X									X	X	X					
2	HA-5-1.5'		11:40																									
3	HA-5-5'		11:57																									
4	HA-4-0.7'		12:04																									
5	HA-4-1.5'		12:11																									
6	HA-4-5'		12:25																									
7	HA-6-0.7'		12:31																									
8	HA-6-1.5'		12:40																									
9	HA-6-5'		12:55																									

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
[signature]	Seeure Location	4/8/09	6:30
[signature]	[signature] CEC	4/9/09	0950
[signature] 4/8/09 1730	[signature]	4/10/09	1030

511634488

05/2/06 Revision

Shell Oil Products Chain Of Custody Record

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

Please Check Appropriate Box:
- ☑ ENV. SERVICES
- ☐ MOTIVA RETAIL
- ☐ SHELL RETAIL
- ☐ MOTIVA SD&CM
- ☐ CONSULTANT
- ☐ LUBES
- ☐ SHELL PIPELINE
- ☐ OTHER

Print Bill To Contact Name: Denis Brown

INCIDENT # (ENV SERVICES): 9 7 0 9 3 3 9 7

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 4/8/09

PAGE: 2 of 3

PO #:

SAP #: 1 2 9 4 4 9

SAMPLING COMPANY	Conestoga-Rovers & Associates
LOG CODE	CRAW
ADDRESS	5900 Hollis Street, Suite A, Emeryville, CA 94608
PROJECT CONTACT (Hardcopy or PDF Report to)	Tom Sparrowe
TELEPHONE	510-420-3316
FAX	510-420-9170
E-MAIL	tsparrowe@craworld.com
SITE ADDRESS: Street and City	2703 Martin Luther King Jr Way, Oakland
State	CA
GLOBAL ID NO	TO600101876
EDF DELIVERABLE TO (Name, Company, Office Location)	Brenda Carter, CRA, Emeryville
PHONE NO	510-420-3343
E-MAIL	shelledf@craworld.com
CONSULTANT PROJECT NO	240781
SAMPLER NAME(S) (Print)	Erin Reinhart-Koylu
LAB USE ONLY	09-04-0886

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :
- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

TEMPERATURE ON RECEIPT C°

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	HCL	HNO3	H2SO4	NONE	Ice OTHER	NO. OF CONT.	TPH-d (8015B)	TPHg (8260B)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)		LEAD (6010B)	PAH (8270C-SIM) using sellective ion monitoring (SIM) Mode		TPH - MO (8015B)	CAM17 Metals - Total (6010)	SVOCs (8270C)	VOCs (8260)	PCBs (8082)		Container PID Readings or Laboratory Notes
10	HA-7-0.7'	4/8/09	2:53	Soil					X	1	X										X	X		X						
11	HA-7-1.5'	↓	3:02	↓					↓	↓	↓										↓	↓		↓						
12	HA-7-5'	↓	3:15	↓					↓	↓	↓										↓	↓		↓						
13	HA-3-0.7'	↓	3:17	↓					↓	↓	↓										↓	↓		↓						
14	HA-3-1.5'	↓	3:26	↓					↓	↓	↓										↓	↓		↓						
15	HA-3-5'	↓	3:43	↓					↓	↓	↓										↓	↓		↓						
16	HA-2-0.7'	↓	3:47	↓					↓	↓	↓										↓	↓		↓						
17	HA-2-1.5'	↓	3:53	↓					↓	↓	↓										↓	↓		↓						
18	HA-2-5'	↓	4:03	↓					↓	↓	↓										↓	↓		↓						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	Secure location	4/8/09	6:30
[signature]	[signature] CEL	4-9-09	0950
Tom O'Malley TO GSO 4/9/09 1730	[signature]	4/10/09	1030

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): 97093397

SAP #: 1294496

- [ ] CHECK IF NO INCIDENT # APPLIES

DATE: 4/8/09

PAGE: 3 of 3

SAMPLING COMPANY: Conestoga-Rovers & Associates

LOG CODE: CRAW

SITE ADDRESS: Street and City: 2703 Martin Luther King Jr Way, Oakland

State: CA

GLOBAL ID NO: TO600101876

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.: 240781

PROJECT CONTACT (Hardcopy or PDF Report to): Tom Sparrowe

TELEPHONE: 510-420-3316

FAX: 510-420-9170

E-MAIL: tsparrowe@craworld.com

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

LAB USE ONLY: 09-04-0886

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-d (8015B)	TPHg (8260B)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)		LEAD (6010B)	PAH (8270C-SIM) using selective ion monitoring (SIM) Mode		TPH - MO (8015B)	CAM17 Metals - Total (6010)	SVOCs (8270C)	VOCs (8260)	PCBs (8082)			Container PID Readings or Laboratory Notes
19	HA-8-0.7'.	4/8/09	4:09	Soil					X		1	X										X	X		X							
20	HA-8-1.5'		4:18																													
21	HA-8-5'		4:33																													
22	HA-1-0.7'.		4:37																													
23	HA-1-1.5'		4:44																													
24	HA-1-5'		5:02																													

TEMPERATURE ON RECEIPT C°:

		Date	Time
Relinquished by: (Signature) Erin Reinhart-Koylu	Received by: (Signature) Secure location	4/8/09	6:30
Relinquished by: (Signature) Tom Sparrowe	Received by: (Signature) CEL	4-9-09	0950
Relinquished by: (Signature) Tom O'Malley TO 630 4/9/09 1730	Received by: (Signature)	4/10/09	1030

05/2/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-04-0886

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: CRA DATE: 04/10/09

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

Temperature 2.4 °C - 0.2 °C (CF) = 2.2 °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:** NC

CUSTODY SEALS INTACT:

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

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

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:** WB

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

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:** WB

Calscience
Environmental
Laboratories, Inc.

April 21, 2009

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

Subject: **Calscience Work Order No.: 09-04-0887**
Client Reference: 2703 Martin Luther King Jr. Way, Oakland, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 4/10/2009 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: 04/10/09
Work Order No: 09-04-0887
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CRA-1	09-04-0887-1-A	04/08/09 16:00	Solid	ICP 5300	04/17/09	04/18/09 14:43	090417L02

Comment(s): -Mercury was analyzed on 4/17/2009 5:45:13 PM with batch 090417L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	2.95	0.750	1		Molybdenum	ND	0.250	1	
Barium	152	0.500	1		Nickel	32.4	0.250	1	
Beryllium	0.549	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	24.7	0.250	1		Thallium	ND	0.750	1	
Cobalt	10.4	0.250	1		Vanadium	23.1	0.250	1	
Copper	16.9	0.500	1		Zinc	33.8	1.00	1	
Lead	12.0	0.500	1						

Method Blank	099-04-007-6,233	N/A	Solid	Mercury	04/17/09	04/17/09 17:07	090417L04

Parameter	Result	RL	DF	Qual
Mercury	ND	0.0835	1	

Method Blank	097-01-002-12,204	N/A	Solid	ICP 5300	04/17/09	04/18/09 14:22	090417L02

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

Date Received: 04/10/09
Work Order No: 09-04-0887
Preparation: EPA 3550B
Method: EPA 8015B

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CRA-1	**09-04-0887-1-A**	**04/08/09 16:00**	**Solid**	**GC 43**	**04/10/09**	**04/11/09 15:14**	**090410B04**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	18	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	90	61-145			

Method Blank	**099-12-025-686**	**N/A**	**Solid**	**GC 43**	**04/10/09**	**04/11/09 10:30**	**090410B04**

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		Date Received:	04/10/09
5900 Hollis Street, Suite A		Work Order No:	09-04-0887
Emeryville, CA 94608-2008		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CRA-1	**09-04-0887-1-A**	**04/08/09 16:00**	**Solid**	**GC 43**	**04/10/09**	**04/11/09 15:14**	**090410B05**

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	120	25	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
Method Blank	**099-12-254-721**	**N/A**	**Solid**	**GC 43**	**04/10/09**	**04/11/09 10:30**	**090410B05**

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		Date Received:	04/10/09
5900 Hollis Street, Suite A		Work Order No:	09-04-0887
Emeryville, CA 94608-2008		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	mg/kg

Project: 2703 Martin Luther King Jr. Way, Oakland, CA — Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CRA-1	**09-04-0887-1-A**	**04/08/09 16:00**	**Solid**	**GC/MS PP**	**04/10/09**	**04/11/09 05:21**	**090410L03**

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	106	73-139		1,2-Dichloroethane-d4	105	73-145	
Toluene-d8	99	90-108		1,4-Bromofluorobenzene	89	71-113	
Toluene-d8-TPPH	100	88-112					

Method Blank	**099-12-798-369**	**N/A**	**Solid**	**GC/MS PP**	**04/10/09**	**04/11/09 00:49**	**090410L03**

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	96	73-139		1,2-Dichloroethane-d4	93	73-145	
Toluene-d8	97	90-108		1,4-Bromofluorobenzene	92	71-113	
Toluene-d8-TPPH	97	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: 04/10/09
Work Order No: 09-04-0887
Preparation: EPA 3050B
Method: EPA 6010B

Project 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-04-1206-1	Solid	ICP 5300	04/17/09	04/18/09	090417S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	36	24	50-115	37	0-20	3,4
Arsenic	98	89	75-125	8	0-20	
Barium	4X	4X	75-125	4X	0-20	Q
Beryllium	101	91	75-125	10	0-20	
Cadmium	96	86	75-125	12	0-20	
Chromium	90	87	75-125	2	0-20	
Cobalt	97	86	75-125	8	0-20	
Copper	184	203	75-125	5	0-20	3
Lead	97	91	75-125	6	0-20	
Molybdenum	94	84	75-125	11	0-20	
Nickel	93	82	75-125	7	0-20	
Selenium	97	85	75-125	13	0-20	
Silver	98	100	75-125	2	0-20	
Thallium	73	62	75-125	16	0-20	3
Vanadium	86	82	75-125	2	0-20	
Zinc	121	118	75-125	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates	Date Received:	04/10/09
5900 Hollis Street, Suite A	Work Order No:	09-04-0887
Emeryville, CA 94608-2008	Preparation:	EPA 3550B
	Method:	EPA 8015B

Project 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-04-0886-23	Solid	GC 43	04/10/09	04/11/09	090410S04

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	136	137	64-130	0	0-15	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates	Date Received:	04/10/09
5900 Hollis Street, Suite A	Work Order No:	09-04-0887
Emeryville, CA 94608-2008	Preparation:	EPA 3550B
	Method:	EPA 8015B (M)

Project 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-04-0886-23	Solid	GC 43	04/10/09	04/11/09	090410S05

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	91	92	64-130	1	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: 04/10/09
Work Order No: 09-04-0887
Preparation: EPA 7471A Total
Method: EPA 7471A

Project 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-04-1206-1	Solid	Mercury	04/17/09	04/17/09	090417S04

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	120	120	71-137	0	0-14	

RPD - Relative Percent Difference , CL - Control Limit

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: 04/10/09
Work Order No: 09-04-0887
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-04-0275-1	Solid	GC/MS PP	04/10/09	04/11/09	090410S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	102	79-115	5	0-13	
Carbon Tetrachloride	94	101	55-139	7	0-15	
Chlorobenzene	96	101	79-115	5	0-17	
1,2-Dibromoethane	95	102	70-130	8	0-30	
1,2-Dichlorobenzene	95	101	63-123	6	0-23	
1,1-Dichloroethene	90	96	69-123	6	0-16	
Ethylbenzene	97	102	70-130	5	0-30	
Toluene	95	99	79-115	5	0-15	
Trichloroethene	97	104	66-144	7	0-14	
Vinyl Chloride	107	113	60-126	6	0-14	
Methyl-t-Butyl Ether (MTBE)	92	99	68-128	7	0-14	
Tert-Butyl Alcohol (TBA)	78	94	44-134	19	0-37	
Diisopropyl Ether (DIPE)	92	95	75-123	4	0-12	
Ethyl-t-Butyl Ether (ETBE)	93	97	75-117	5	0-12	
Tert-Amyl-Methyl Ether (TAME)	97	103	79-115	6	0-12	
Ethanol	26	65	42-138	87	0-28	3,4

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: 09-04-0887
Preparation: EPA 3050B
Method: EPA 6010B

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-12,204	Solid	ICP 5300	04/17/09	04/18/09	090417L02

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

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 09-04-0887
Preparation: EPA 3550B
Method: EPA 8015B

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-025-686	Solid	GC 43	04/10/09	04/11/09	090410B04

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	98	103	75-123	5	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: 09-04-0887
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-254-721	Solid	GC 43	04/10/09	04/11/09	090410B05

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	96	96	75-123	0	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	Date Received:	N/A
5900 Hollis Street, Suite A	Work Order No:	09-04-0887
Emeryville, CA 94608-2008	Preparation:	EPA 7471A Total
	Method:	EPA 7471A

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-007-6,233	Solid	Mercury	04/17/09	04/17/09	090417L04

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	107	106	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: 09-04-0887
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-369	Solid	GC/MS PP	04/10/09	04/10/09	090410L03

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	99	101	84-114	79-119	2	0-7	
Carbon Tetrachloride	96	98	66-132	55-143	1	0-12	
Chlorobenzene	100	100	87-111	83-115	1	0-7	
1,2-Dibromoethane	103	107	80-120	73-127	3	0-20	
1,2-Dichlorobenzene	101	101	79-115	73-121	0	0-8	
1,1-Dichloroethene	95	94	73-121	65-129	1	0-12	
Ethylbenzene	102	103	80-120	73-127	1	0-20	
Toluene	99	99	78-114	72-120	0	0-7	
Trichloroethene	107	108	84-114	79-119	1	0-8	
Vinyl Chloride	108	107	63-129	52-140	1	0-15	
Methyl-t-Butyl Ether (MTBE)	101	100	77-125	69-133	0	0-11	
Tert-Butyl Alcohol (TBA)	91	93	47-137	32-152	3	0-27	
Diisopropyl Ether (DIPE)	96	96	76-130	67-139	1	0-8	
Ethyl-t-Butyl Ether (ETBE)	98	99	76-124	68-132	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	104	104	82-118	76-124	0	0-11	
Ethanol	85	79	59-131	47-143	8	0-21	
TPPH	110	116	65-135	53-147	5	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: 09-04-0887

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.

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): 97093937

SAP #: 129449

- [x] CHECK IF NO INCIDENT # APPLIES

DATE: 4/8/09

PAGE: 1 of 1

SAMPLING COMPANY	Conestoga-Rovers & Associates
LOG CODE	
ADDRESS	5900 Hollis Street, Suite A, Emeryville, CA 94608
PROJECT CONTACT (Hardcopy or PDF Report to)	Tom Sparrowe
TELEPHONE	510-420-3316
FAX	510-420-9170
E-MAIL	tsparrowe@craworld.com
SITE ADDRESS: Street and City	2703 Martin Luther King Jr Way, Oakland
State	CA
GLOBAL ID NO	TO600101876
EDF DELIVERABLE TO (Name, Company, Office Location)	Brenda Carter, CRA, Emeryville
PHONE NO	510-420-3343
E-MAIL	shelledf@craworld.com
CONSULTANT PROJECT NO	240781
SAMPLER NAME(S) (Print)	Erin Reinhart-Koylu
LAB USE ONLY	09-04-0887

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

Follow attached contingent analysis

- [x] SHELL CONTRACT RATE APPLIES
- [ ] STATE REIMBURSEMENT RATE APPLIES
- [ ] EDD NOT NEEDED
- [x] RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

TEMPERATURE ON RECEIPT C°: 2.2

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	4/8/09	1600	SO						X	1	X	X	X											X	X				

Relinquished by: (Signature) Erin Reinhart-Koylu	Received by: (Signature) Same location	Date: 4/8/09	Time: 6:30
Relinquished by: (Signature)	Received by: (Signature) CEL	Date: 4-9-09	Time: 0950
Relinquished by: (Signature) Tom Malley TO 650 4/9/09 1730	Received by: (Signature)	Date: 4/10/09	Time: 1030

5116 34488

05/2/06 Revision

(0887)

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 #: 09-04-0887

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: CRA

DATE: 04/10/09

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

Temperature 2.4 °C - 0.2 °C (CF) = 2.2 °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: NC

CUSTODY SEALS INTACT:

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

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

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:** WB

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

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:** WB