CONESTOGA-ROVERS & ASSOCIATES

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www.CRAworld.com

TRANSMITTAL

DATE: March 4, 2011

REFERENCE NO.: 240781

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

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

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Alameda County
Environmental Health

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QUANTITY	DESCRIPTION
1	Subsurface Investigation Report and Revised Remedial Action Plan

- ☐ As Requested
- ☐ For Your Use
- ☒ For Review and Comment
- ☐
- ☐

COMMENTS:
If you have any questions regarding the contents of this document, please contact Peter Schaefer at (510) 420-3319.

Copy to: Denis Brown, Shell Oil Products US (electronic copy)
Rodney & Janet Kwan, Auto Tech West, 2703 Martin Luther King Jr. Way, Oakland, CA 94612
Solomon Tesfa, 484 Park Avenue #288, Oakland, CA 94610

Completed by: Peter Schaefer Signed: Aubrey Cool

Filing: **Correspondence File**

Denis L. Brown
Shell Oil Products US
HSE – Environmental Services
20945 S. Wilmington Ave.
Carson, CA 90810-1039
Tel (707) 865 0251
Fax (707) 865 2542
Email denis.l.brown@shell.com

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

Re: Former Shell Service Station
2703 Martin Luther King Jr. Way
Oakland, California
SAP Code 129449
Incident No. 97093397
ACEH Case No. RO0000145

Dear Mr. Wickham:

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

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

Sincerely,

Denis L. Brown
Senior Program Manager

SUBSURFACE INVESTIGATION REPORT AND REVISED REMEDIAL ACTION PLAN

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

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

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MARCH 4, 2011
REF. NO. 240781 (16)
This report is printed on recycled paper.

TABLE OF CONTENTS

LIST OF FIGURES
(Following Text)

LIST OF TABLES
(Following Text)

LIST OF APPENDICES

EXECUTIVE SUMMARY

- Twenty-five soil borings (B-24 through B-48) were drilled on site during this investigation to evaluate soil conditions in the area of the former UST complex and fuel delivery system.
- Five soil borings (HA-9 through HA-13) were drilled off site to evaluate soil conditions near the former waste oil AST. Five additional hand auger soil borings (HA-14 through HA-18) could not be drilled because Shell was not granted access by the property owner.
- Soil samples from the on-site soil borings contained up to 28,000 mg/kg TPHg, 72 mg/kg benzene, 320 mg/kg toluene, 510 mg/kg ethylbenzene, and 2,600 mg/kg xylenes.
- Soil samples from the off-site borings contained up to 1,200 mg/kg TPHmo, 430 mg/kg TPHd, 4,550 mg/kg lead, and 0.26 mg/kg benzo(a)pyrene. No other PAHs were detected at concentrations exceeding RWQCB ESLs.
- CRA includes a revised RAP recommending a shallow excavation to remove residual petroleum hydrocarbon and lead impacts in soils in the northern portion of the subject site and the adjacent property to the north.
- CRA and Shell will further evaluate historical soil and groundwater data to assess the need for risk assessment and/or additional on-site remediation.

1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) to document the subsurface investigation at this site and present a revised remedial action plan (RAP). The purpose of the investigation was to evaluate soil conditions near the site's former waste oil aboveground storage tank (AST) and in the area of the former underground storage tank (UST) complex and fuel delivery system to determine the appropriate scope for anticipated remedial action. CRA followed the scope of work and procedures presented in our October 5, 2010 *Subsurface Investigation Work Plan,* which was approved in Alameda County Environmental Health's (ACEH's) November 1, 2010 letter. ACEH's letter also requested a revised RAP. The plan presented herein updates and supersedes CRA's September 16, 2009 *Revised Remedial Action Plan.*

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 presented in CRA's October 27, 2010 *Subsurface Investigation Report and Third Quarter 2010 Groundwater Monitoring Report* and is not repeated herein.

2.0 INVESTIGATION RESULTS

2.1 PERMIT

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

2.2 DRILLING DATES

December 13 through 23, 2010.

2.3 DRILLING COMPANY

Vapor Tech Services, Inc.

2.4 CRA PERSONNEL

Geologist Christine Orlowski directed the drilling activities under the supervision of California Professional Geologist Peter Schaefer.

2.5 DRILLING METHODS

Geoprobe® and hand auger.

2.6 NUMBER OF BORINGS

Twenty-five Geoprobe® soil borings (B-24 through B-48) and five hand auger soil borings (HA-9 through HA-13) were drilled during this investigation. Five additional hand auger soil borings (HA-14 through HA-18) could not be drilled because Shell was not granted access by the property owner.

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

2.7 BORING DEPTHS

Geoprobe® soil borings 20 feet below grade (fbg) and hand auger soil borings 5 fbg.

2.8 WASTE DISPOSAL

Soil and water-knife sludge generated during field activities were temporarily stored on site in 55-gallon drums, sampled, and profiled for disposal. The soil was transported by American Integrated Services, Inc. (AIS) to Keller Canyon Landfill in Pittsburg, California for disposal as non-hazardous waste on January 13, 2011. The water-knife sludge was transported by AIS to Crosby & Overton, Inc. in Long Beach, California for disposal as non-hazardous waste on January 13, 2011. The waste disposal manifests are included in Appendix C.

3.0 FINDINGS

3.1 GEOPROBE® BORINGS

The soil chemical analytical data are summarized in Table 1, and laboratory analytical reports are presented in Appendix D.

3.2 HAND AUGER BORINGS

The soil chemical analytical data are summarized in Table 2, and total petroleum hydrocarbons as motor oil (TPHmo), total petroleum hydrocarbons as diesel (TPHd), and lead analytical results are presented on Figures 3 through 5. Laboratory analytical reports are presented in Appendix D.

4.0 CONCLUSIONS

The on-site Geoprobe® soil boring data indicate that residual petroleum hydrocarbon impacts exceeding San Francisco Bay Regional Water Quality Control Board environmental screening levels (ESLs) for soil where groundwater is not a drinking water source with commercial land use[1] are primarily located in the area of the former USTs at 10 to 15 fbg.

According to the *East Bay Plain Groundwater Basin Beneficial Use Evaluation Report,* (California Regional Water Quality Control Board - San Francisco Bay Region, June 1999), this site lies in a portion of the East Bay Plain with the potential for the use of shallow groundwater as a drinking water source. However, the document also states that the City of Oakland has no plans to "develop local groundwater resources for drinking water purposes because of existing or potential salt water intrusion, contamination, or poor or limited quantity." Based on this and the absence of drinking water wells within a half-mile radius of the site (Figure 1), CRA believes that ESLs for groundwater that is not a drinking water source are the applicable water-quality objectives for this case.

As discussed during a February 17, 2011 meeting with ACEH, CRA and Shell will further evaluate historical soil and groundwater data to assess the need for risk assessment and/or additional on-site remediation.

---

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

Figures 3 through 5 present on- and off-site shallow boring data from behind the former station building, which indicate that soils less than 2 fbg contain TPHmo, TPHd, benzo(a)pyrene, and/or lead concentrations that exceed ESLs. TPHd was also detected above ESLs in HA-6 at 5 fbg, and benzo(a)anthracene, benzo(k)fluoranthene, and ideno(1,2,3-c,d)pyrene were detected above the ESL in HA-4 at 0.7 fbg. A shallow excavation to remove the majority of these impacts is proposed below.

5.0 REVISED RAP

CRA's May 12, 2009 *Subsurface Investigation Report* presented results of a shallow soil sampling investigation area of the former waste oil AST. ACEH's July 1, 2009 letter requested an addendum to CRA's May 28, 2008 *Remedial Action Plan*, proposing excavation and confirmation sampling to the area of the former waste oil AST, which was provided in CRA's September 16, 2009 *Revised Remedial Action Plan*. The purpose of the subsurface investigation detailed in this report was to obtain additional data to allow CRA to better target residual soil impacts to be removed by the excavation.

Based on soil analytical results (Table 2 and Figures 3 through 5) which exceeded RWQCB ESLs, CRA proposes the excavation limits shown on Figure 2. The excavation will extend to 2 fbg. ACEH has inferred that leaks/spillage from the AST may be the source of these detections. However, these shallow (0.7 to 1.5 fbg) impacts may also be sourced from historical surface asphalting or the property owner's housekeeping practices.

Additional excavation may be warranted to remove hydrocarbon-impacted soils; however, it may not be feasible in some areas due to safety restrictions and proximity to aboveground structures. In areas where excavation is feasible, field observations and confirmatory sampling will dictate the extent of the excavation. Multiple underground utilities have been identified during a previous subsurface utility survey, and they will be removed and replaced, if necessary.

5.1 WORK TASKS

5.1.1 PERMITS

The excavation contractor will obtain an excavation permit from the City of Oakland.

5.1.2 HEALTH AND SAFETY PLAN (HASP)

CRA will prepare a HASP to protect site workers. The plan will be kept on site during field activities and will be reviewed and signed by each site worker.

5.1.3 UTILITY CLEARANCE

CRA will mark proposed excavation area, and the area will be cleared through Underground Service Alert and a private line locator service prior to digging. CRA has previously contracted with a private utility locating company, which identified possible underground utilities remaining on site that may have to be either re-routed temporarily and/or replaced after the excavation.

5.1.4 EXCAVATION

CRA proposes to excavate and dispose of hydrocarbon- and lead-impacted soil as shown on Figure 2. The excavation in the northwest corner of the site and the adjacent off-site property is anticipated to extend to 2 fbg. If additional impacts are observed beyond the proposed excavation limits, the impacts to soil will be removed until excavation constraints, including cost-effectiveness or safety concerns, make it infeasible.

5.1.5 CONFIRMATION SAMPLING

Soil samples will be collected from the bottom and sidewalls of the excavation in the vicinity of the former waste oil AST, including a minimum of four samples from the bottom of the excavation and one sample adjacent to each sidewall.

5.1.6 REUSE OF BACKFILL MATERIALS

To control costs of disposal and import of compactable fill material, CRA proposes to reuse any segregated clean overburden or fill material that meets compactable reuse criteria. Due to normal construction processes, it is anticipated that some native impacted material will be mixed in with the former backfill material during the excavation process; however, a CRA representative will be on site to direct the

excavation contractor to screen and segregate to the extent feasible the clean material from impacted material, and to document the field activities and observations.

5.1.7 BACKFILL AND COMPACTION

Upon completion of the excavation, the excavation will be backfilled and compacted. Self-compacting or compactable type materials will be placed as necessary to return the site conditions to preconstruction grade. If a compaction report is required, it will be provided and reported accordingly.

5.1.8 CHEMICAL ANALYSES

Confirmation soil samples from the shallow excavation around the former waste oil AST will be analyzed for TPHd and TPHmo by EPA Method 8015M and for polycyclic aromatic hydrocarbons by EPA Method 8270C.

5.1.9 SOIL DISPOSAL

Excavated soil and replacement well spoils will be properly profiled, manifested, transported, and disposed of. Disposal documentation will be provided with the final report.

5.2 REPORT PREPARATION

Following completion of the excavation, CRA will submit a report that will include field procedures and laboratory analytical reports.

6.0 SCHEDULE

CRA will implement the excavation upon receipt of appropriate permits and approval of this revised RAP by ACEH.

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

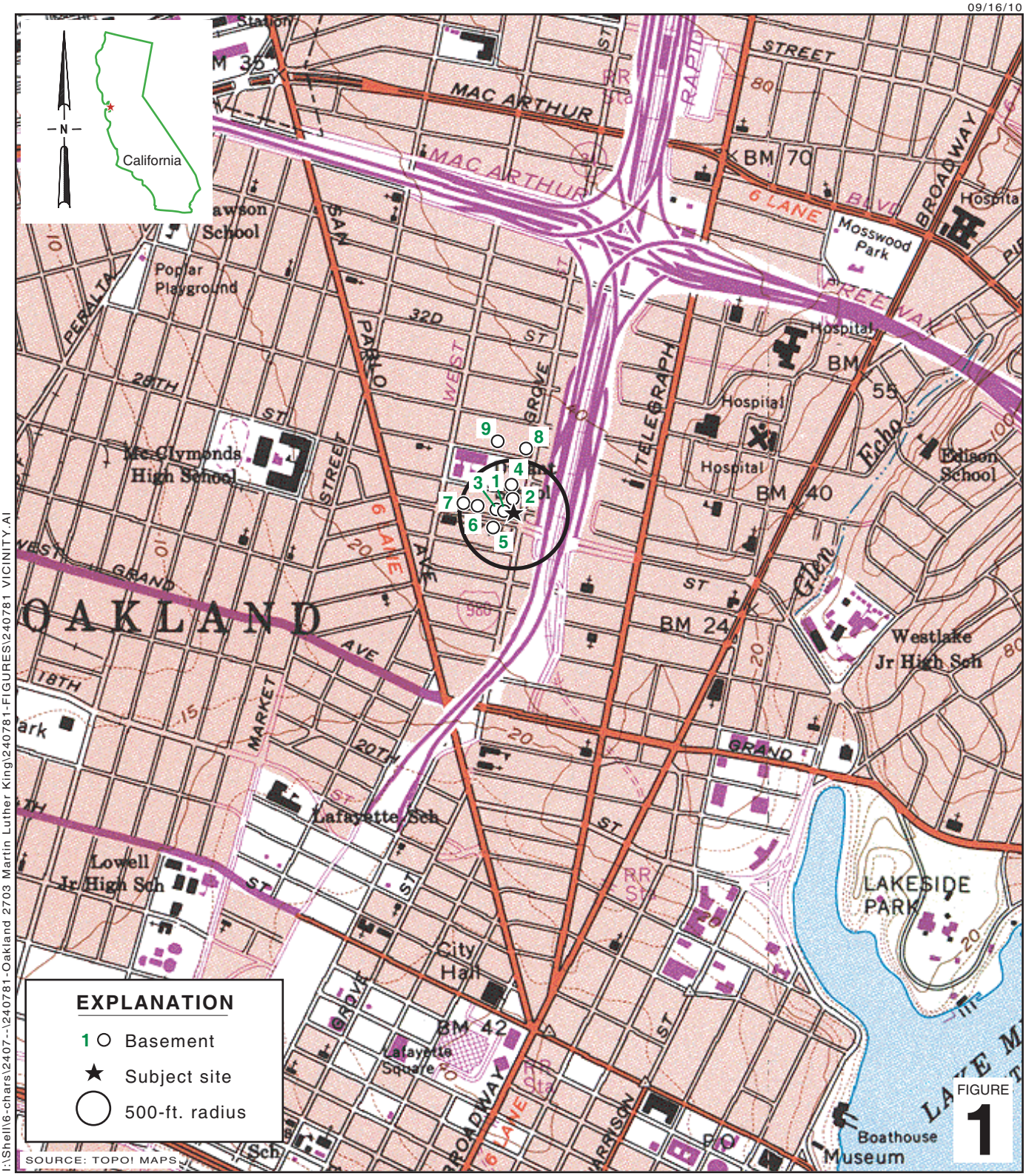
Aubrey K Corl

for: Peter Schaefer, CHG, CEG

Daniel N. Lescure, PE

FIGURES

09/16/10



I:\Shell\6-chars\2407--\240781-Oakland 2703 Martin Luther King\240781-FIGURES\240781 VICINITY.AI

FIGURE 1

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

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

03/01/2011

Site Plan

MW-9 VP-10 MW-12

Residential 663 28th St.

Vacant Lot 2727-29 Martin Luther King

Residential 665 28th St.

Residential 2719-23 Martin Luther King

Proposed Excavation (0-2 fbg)

HA-14 HA-13 HA-12 HA-11 HA-10 HA-9 HA-17 HA-15 HA-18 HA-16 HA-4 HA-3 HA-2 HA-1 HA-5 HA-7 HA-8 HA-6

VP-9

Former W/O AST

Carport

B-24 MW-8 VP-6 MW-7 Anode

Former Vent Lines

Building

B-25 B-26 Trench VP-1 VP-5 VP-8 B-23 MW-5 B-27 MW-1

Wooden Carport

B-30 B-28 B-29 VP-4 VP-2 B-31 V-1 B-40 B-33 B-32 B-34 MW-6 B-41 B-35 B-39 B-38 B-37 B-42 B-36 MW-4 B-43 VP-3 B-44 V-2 B-46 B-45 B-48 B-47

Former USTs

Former Dispensers

Former Shell Station 2703 Martin Luther King

Gate

Driveway

MW-2 MW-3

Residential 672 27th St. MW-14 VP-7

Residential 670 27th St.

Residential 668 27th St.

Residential 664 27th St.

MARTIN LUTHER KING JR. WAY

27TH STREET

EXPLANATION

- HA-9 — Proposed hand auger location, not advanced
- B-24 — Soil boring location (12/20-23/2010)
- HA-9 — Hand auger location (12/13/2010)
- HA-1 — Hand auger boring location (4/2009)
- B-23 — Soil boring location (1/2006)
- MW-1 — Monitoring well location
- VP-1 — Vapor probe location (1/2006, 5-6/2007, 7/2008, 8/2010)
- Electrical line (E)
- Telecommunication line (T)
- Gas line (G)
- Sanitary sewer line (SAN)
- Water line (W)
- Unknown utility line (?)

N

0 10 20 40

Scale (ft)

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

I:\Shell\6-chars\2407--\240781-Oakland 2703 Martin Luther King\240781-FIGURES\240781 SITE PLAN 20'-scale.DWG

CONESTOGA-ROVERS & ASSOCIATES

Former Shell Service Station

2703 Martin Luther King Jr. Way

Oakland, California

FIGURE

2

02/25/2011

EXPLANATION

- **B-24** Soil boring location (12/20-23/2010)
- **HA-9** Hand auger location (12/13/2010)
- **HA-1** Hand auger boring location (4/2009)
- **B-23** Soil boring location (01/03/2006)
- **MW-1** Monitoring well location
- **VP-1** Vapor probe location (1/2006, 5-6/2007, 7/2008, 8/2010)

ID	Date	Depth	TPHmo	TPHd	Lead
HA-1	04/08/2009	0.7	**7,900**	**1,300**	24.5

Notes:
Soil sample ID, date, depth in feet below grade (fbg), and concentrations in mg/kg
TPHmo = Total petroleum hydrocarbons as motor oil
TPHd = Total petroleum hydrocarbons as diesel
<X = Not detected at reporting limit X
- Values in **bold** are above the Environmental Screening Level (ESL)

ID	Date	Depth	TPHmo	TPHd	Lead
HA-12	12/13/2010	0	120	39	**4,550**

ID	Date	Depth	TPHmo	TPHd	Lead
HA-11	12/13/2010	0	340	120	**1,950**

ID	Date	Depth	TPHmo	TPHd	Lead
HA-13	12/13/2010	0	920	**210**	**3,940**

ID	Date	Depth	TPHmo	TPHd	Lead
HA-10	12/13/2010	0	370	150	**1,240**

ID	Date	Depth	TPHmo	TPHd	Lead
HA-3	04/08/2009	0.7	**6,300**	**570**	59.9

ID	Date	Depth	TPHmo	TPHd	Lead
HA-9	12/13/2010	0	470	140	1,410

ID	Date	Depth	TPHmo	TPHd	Lead
HA-4	04/08/2009	0.7	**7,800**	**4,500**	43.5

ID	Date	Depth	TPHmo	TPHd	Lead
HA-2	04/08/2009	0.7	**6,700**	**560**	44.0

ID	Date	Depth	TPHmo	TPHd	Lead
HA-5	04/08/2009	0.7	**5,800**	**700**	46.0

ID	Date	Depth	TPHmo	TPHd	Lead
HA-1	04/08/2009	0.7	**7,900**	**1,300**	24.5

ID	Date	Depth	TPHmo	TPHd	Lead
HA-8	04/08/2009	0.7	**9,600**	**810**	32.8

ID	Date	Depth	TPHmo	TPHd	Lead
HA-6	04/08/2009	0.7	**7,400**	**1,800**	40.3

ID	Date	Depth	TPHmo	TPHd	Lead
HA-7	04/08/2009	0.7	**11,000**	**910**	37.1

Residential
665 28th St.

Residential
2719-23 Martin Luther King

Former W/O AST

Former Vent Lines

Proposed Excavation (0-2 fbg)

Anode

Trench

Building

Wooden Carport

Former Shell Station
2703 Martin Luther King

Former USTs

Former Dispenser

Former Dispensers

Residential
664 27th St.

HA-13 HA-12 HA-11 VP-9 HA-10 HA-9 HA-4 HA-3 HA-2 HA-5 HA-7 HA-8 HA-1 HA-6 B-24 MW-8 MW-7 B-25 B-26 B-23 MW-5 VP-5 B-27 B-28 B-29 B-30 MW-1 VP-4 B-31 B-33 B-34 VP-2 B-40 V-1 B-32 B-35 MW-6 B-41 B-36 B-39 B-38 B-37 B-42 B-43 MW-4 B-44 V-2

N

0 5 10 20
Scale (ft)

FIGURE
3

TPHmo, TPHd, and Lead in Soil Concentration Map

0 - 1 Feet Below Grade

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

CONESTOGA-ROVERS & ASSOCIATES

I:\Shell\6-chars\2407--\240781-Oakland 2703 Martin Luther King\240781-FIGURES\240781 TPH SOIL 0-1 FBG.DWG

02/25/2011

EXPLANATION

- **B-24** Soil boring location (12/20-23/2010)
- **HA-9** Hand auger location (12/13/2010)
- **HA-1** Hand auger boring location (4/2009)
- **B-23** Soil boring location (01/03/2006)
- **MW-1** Monitoring well location
- **VP-1** Vapor probe location (1/2006, 5-6/2007, 7/2008, 8/2010)

ID	Date	Depth	TPHmo	TPHd	Lead
HA-1	04/08/2009	1.5	<25	<5.0	7.73

Notes:
Soil sample ID, date, depth in feet below grade (fbg), and concentrations in mg/kg
TPHmo = Total petroleum hydrocarbons as motor oil
TPHd = Total petroleum hydrocarbons as diesel
<X = Not detected at reporting limit X
- Values in **bold** are above the Environmental Screening Level (ESL)

ID	Date	Depth	TPHmo	TPHd	Lead
HA-12	12/13/2010	1	130	39	**1,150**

ID	Date	Depth	TPHmo	TPHd	Lead
HA-11	12/13/2010	1	<25	<5.0	166

ID	Date	Depth	TPHmo	TPHd	Lead
HA-13	12/13/2010	1	<25	7.8	291

ID	Date	Depth	TPHmo	TPHd	Lead
HA-10	12/13/2010	1	1,200	**430**	529

ID	Date	Depth	TPHmo	TPHd	Lead
HA-3	04/08/2009	1.5	50	<5.0	20.8

ID	Date	Depth	TPHmo	TPHd	Lead
HA-9	12/13/2010	1	26	11	357

ID	Date	Depth	TPHmo	TPHd	Lead
HA-4	04/08/2009	1.5	<25	<5.0	10.1

ID	Date	Depth	TPHmo	TPHd	Lead
HA-2	04/08/2009	1.5	<25	<5.0	29.5

ID	Date	Depth	TPHmo	TPHd	Lead
HA-5	04/08/2009	1.5	<25	<5.0	8.14

ID	Date	Depth	TPHmo	TPHd	Lead
HA-1	04/08/2009	1.5	<25	<5.0	7.73

ID	Date	Depth	TPHmo	TPHd	Lead
HA-8	04/08/2009	1.5	74	11	**1,060**

ID	Date	Depth	TPHmo	TPHd	Lead
HA-6	04/08/2009	1.5	290	**110**	11.3

ID	Date	Depth	TPHmo	TPHd	Lead
HA-7	04/08/2009	1.5	<25	<5.0	8.82

Residential
665 28th St.

Residential
2719-23 Martin Luther King

Former Shell Station
2703 Martin Luther King

Former W/O AST

Former Vent Lines

Proposed Excavation (0-2 fbg)

Anode

Trench

Wooden Carport

Former USTs

Former Dispensers

Former Dispenser

Building

Residential 664 27th St.

HA-13 HA-12 HA-11 VP-9 HA-10 HA-9 HA-4 HA-3 HA-2 HA-7 HA-8 HA-1 HA-5 HA-6 B-24 MW-8 MW-7 B-25 B-26 B-23 MW-5 VP-5 B-27 B-28 B-29 B-30 MW-1 VP-4 B-31 B-33 B-34 B-35 B-36 VP-2 B-40 V-1 B-32 MW-6 B-41 B-39 B-38 B-37 B-42 B-43 MW-4 VP-3 B-44 V-2

N

0 5 10 20
Scale (ft)

FIGURE
4

TPHmo, TPHd, and Lead in Soil Concentration Map

1-2 Feet Below Grade

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

CONESTOGA-ROVERS & ASSOCIATES

I:\Shell\6-chars\2407--\240781-Oakland 2703 Martin Luther King\240781-FIGURES\240781 TPH SOIL 1-2 FBG.DWG

02/25/2011

EXPLANATION

- **B-24** Soil boring location (12/20-23/2010)
- **HA-9** Hand auger location (12/13/2010)
- **HA-1** Hand auger boring location (4/2009)
- **B-23** Soil boring location (01/03/2006)
- **MW-1** Monitoring well location
- **VP-1** Vapor probe location (1/2006, 5-6/2007, 7/2008, 8/2010)

ID	Date	Depth	TPHmo	TPHd	Lead
HA-1	04/08/2009	5	97	19	7.74

Notes:
Soil sample ID, date, depth in feet below grade (fbg), and concentrations in mg/kg
TPHmo = Total petroleum hydrocarbons as motor oil
TPHd = Total petroleum hydrocarbons as diesel
<X = Not detected at reporting limit X
- Values in **bold** are above the Environmental Screening Level (ESL)

Residential
665 28th St.

Residential
2719-23 Martin Luther King

ID	Date	Depth	TPHmo	TPHd	Lead
HA-12	12/13/2010	4.5	<25	<5.0	9.25

ID	Date	Depth	TPHmo	TPHd	Lead
HA-11	12/13/2010	4.5	<25	<5.0	73.2

ID	Date	Depth	TPHmo	TPHd	Lead
HA-13	12/13/2010	4.5	<25	<5.0	498

ID	Date	Depth	TPHmo	TPHd	Lead
HA-10	12/13/2010	4.5	<25	<5.0	7.39

ID	Date	Depth	TPHmo	TPHd	Lead
HA-9	12/13/2010	4.5	<25	<5.0	5.53

ID	Date	Depth	TPHmo	TPHd	Lead
HA-3	04/08/2009	5	<25	<5.0	6.65

ID	Date	Depth	TPHmo	TPHd	Lead
HA-4	04/08/2009	5	<25	<5.0	5.81

ID	Date	Depth	TPHmo	TPHd	Lead
HA-2	04/08/2009	5	<25	<5.0	19.4

ID	Date	Depth	TPHmo	TPHd	Lead
HA-5	04/08/2009	5	<25	<5.0	7.85

ID	Date	Depth	TPHmo	TPHd	Lead
HA-1	04/08/2009	5	97	19	7.74

ID	Date	Depth	TPHmo	TPHd	Lead
HA-8	04/08/2009	5	190	35	19.7

ID	Date	Depth	TPHmo	TPHd	Lead
HA-6	04/08/2009	5	230	**130**	12.1

ID	Date	Depth	TPHmo	TPHd	Lead
HA-7	04/08/2009	5	<25	<5.0	7.45

Former W/O AST
Former Vent Lines
Anode
Trench
Building
Wooden Carport
Former Shell Station
2703 Martin Luther King
Former USTs
Former Dispensers
Former Dispenser
Residential
664 27th St.

HA-13 HA-12 HA-11 VP-9 HA-10 HA-9 HA-4 HA-3 HA-2 HA-5 HA-1 HA-7 HA-8 B-24 HA-6 MW-8 MW-7 B-25 B-26 B-23 MW-5 VP-5 B-27 B-28 B-29 B-30 MW-1 VP-4 B-31 B-33 VP-2 B-40 B-34 V-1 B-32 B-35 MW-6 B-41 B-36 B-39 B-38 B-37 B-42 B-43 VP-3 MW-4 B-44 V-2

0 5 10 20
Scale (ft)

FIGURE
5

TPHmo, TPHd, and Lead in Soil Concentration Map

2 - 5 Feet Below Grade

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

CONESTOGA-ROVERS & ASSOCIATES

I:\Shell\6-chars\2407--\240781-Oakland 2703 Martin Luther King\240781-FIGURES\240781 TPH SOIL 2-5 FBG.DWG

TABLES

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA FOR TPHg, BTEX, FUEL OXYGENATES, AND LEAD
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*Lead*
TP-1-N	10/11/1994		**18,000** [a,b]	**100**	**870**	**370**	**2,000**	---	---	---	---	---	---
TP-2-S	10/11/1994		**870** [a,b]	**2.9**	2.1	**19**	**21**	---	---	---	---	---	---
B-1-5	5/23/1995	5.0	63	<0.1	<0.1	0.4	0.1	---	---	---	---	---	---
B-2-5	5/23/1995	5.0	**260**	**0.6**	<0.1	4.7	10	---	---	---	---	---	---
B-3-6	5/23/1995	6.0	150	<0.1	<0.1	0.9	0.4	---	---	---	---	---	---
B-4-6	5/23/1995	6.0	55	<0.1	<0.1	0.4	0.2	---	---	---	---	---	---
B-5-8	5/23/1995	8.0	**830**	1.8	9.2	**12.0**	**33**	---	---	---	---	---	---
B-6-5	5/23/1995	5.0	130	<0.1	<0.1	1.0	1.1	---	---	---	---	---	---
B-6-10	5/23/1995	10.0	**390**	**0.3**	<0.1	**7.3**	**27**	---	---	---	---	---	---
B-7-5	5/23/1995	5.0	<20	<0.1	<0.1	1.0	1.1	---	---	---	---	---	---
B-7-10	5/23/1995	10.0	53	<0.1	<0.1	0.2	0.3	---	---	---	---	---	---
B-8-10	5/23/1995	10.0	<20	<0.1	<0.1	0.1	<0.1	---	---	---	---	---	---
TP-3-W	7/17/1996	11.0	**560**	**3.1**	4.1	**11**	**41**	---	---	---	---	---	---

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

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*Lead*
TP-4-E	7/17/1996	11.0	**2,700**	<3.00	**44.0**	**36**	**210**	---	---	---	---	---	---
MW-3-5.0	11/22/2000	5.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---
MW-3-10.5	11/22/2000	10.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---
MW-4-5.0	11/22/2000	5.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---
MW-4-10.5	11/22/2000	10.5	**860**	1.1	<0.20	**18**	**66**	<0.20	<2.0	---	---	---	---
MW-5-5.0	11/22/2000	5.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---
MW-5-10.5	11/22/2000	10.5	**1,300**	**3.3**	**13**	**26**	**140**	<0.20	<2.0	---	---	---	---
B-17-5.0	11/22/2000	5.0	1.3	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---
B-17-7.0	11/22/2000	7.0	**2,100**	**0.31**	0.64	**18**	**140**	<0.050	<0.050	---	---	---	---
B-18-5.0	11/22/2000	5.0	1.2	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---
B-18-7.0	11/22/2000	7.0	42	<0.0050	<0.0050	0.094	<0.0050	0.0070	<0.050	---	---	---	---
B-19-5.0	11/22/2000	5.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---
B-19-7.0	11/22/2000	7.0	2.4	0.02	<0.0050	0.025	0.023	<0.0050	<0.020	---	---	---	---
B-20-4.5	4/11/2002	4.5	1.1	0.0075	<0.005	<0.005	<0.005	<0.5	---	---	---	---	---
B-20-7.5	4/11/2002	7.5	22	<0.005	<0.005	0.14	0.027	<0.5	---	---	---	---	---
B-21-3.0	4/11/2002	3.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	---	---	---	---	---

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

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*Lead*
B-21-8.0	4/11/2002	8.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	---	---	---	---	---
B-22-3.0	4/11/2002	3.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	---	---	---	---	---
B-22-8.0	4/11/2002	3.0	**380**	0.17	0.27	**6.1**	**31**	<0.5	---	---	---	---	---
GP-1-5.0'	8/29/2005	5.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
GP-1-10.0'	8/29/2005	10.0	**190** [c]	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---
GP-2-4.5'	8/29/2005	4.5	1.5	0.035	<0.0050	0.0063	<0.0050	---	---	---	---	---	---
GP-3-5.0'	8/29/2005	5.0	7.5	0.027	<0.0050	0.085	0.11	---	---	---	---	---	---
GP-3-8.5'	8/29/2005	8.5	**3,300**	**15**	2.7	**91**	**230**	---	---	---	---	---	---
GP-4-4.5'	8/31/2005	4.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
GP-5-4.5'	8/30/2005	4.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
GP-6-5.0'	8/29/2005	5.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
GP-6-9.5'	8/29/2005	9.5	**260**	<0.50	<0.50	2.1	6.8	---	---	---	---	---	---
GP-7-5.0'	8/30/2005	5.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
GP-7-9.5'	8/30/2005	9.5	**440**	<0.50	1.8	**10**	**59**	---	---	---	---	---	---
GP-8-4.5'	8/30/2005	4.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA FOR TPHg, BTEX, FUEL OXYGENATES, AND LEAD
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*Lead*
GP-9-4.5'	8/31/2005	4.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
GP-10-4.5'	8/31/2005	4.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
MW-6 [d]	1/4/2006	5.0	<4.9 [e]	<0.025	<0.025	0.025	0.044	---	---	---	---	---	17
MW-6	1/4/2006	10.0	**290**	<1.2 [f]	<1.2 [f]	3.1 [f]	3.2 [f]	---	---	---	---	---	14
MW-6	1/4/2006	15.5	36	<0.62 [f]	<0.62 [f]	0.65 [f]	2.1 [f]	---	---	---	---	---	NA
MW-6 [d]	1/4/2006	19.5	<1.0 [e]	0.0090	<0.0050	0.010	0.022	---	---	---	---	---	NA
MW-7 [d]	1/4/2006	5.5	<1.0 [e]	<0.0050	<0.0050	<0.0050	0.013	---	---	---	---	---	11
MW-7 [d,g]	1/4/2006	11.5	7.1 [e]	<0.025	<0.025	0.19	5.2 [d]	---	---	---	---	---	8.5
MW-7	1/4/2006	16.5	**340**	<1.2 [f]	<1.2 [f]	**7.2** [f]	<1.2 [f]	---	---	---	---	---	NA
MW-7 [d]	1/4/2006	19.5	<1.0 [e]	<0.0050	<0.0050	<0.0050	0.010	---	---	---	---	---	NA
MW-8 [d]	1/3/2006	6.5	<1.0 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	310
MW-8 [i]	1/3/2006	10.5	**880**	<6.2 [f]	<6.2 [f]	**15** [f]	**72** [f]	---	---	---	---	---	5.3
MW-8 [i]	1/3/2006	19.5	19	0.63 [f]	<0.62 [f]	<0.62 [f]	0.8 [f]	---	---	---	---	---	---
B-23 [b]	1/3/2006	5.0	<1.0 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	9.1
B-23 [i]	1/3/2006	10.0	**520**	<6.2 [f]	<6.2 [f]	**12** [f]	**62** [f]	---	---	---	---	---	5.4
B-23 [i]	1/3/2006	15.5	**3,800**	**33** [f]	**50** [f]	**98** [f]	**480** [f]	---	---	---	---	---	---
B-23 [i]	1/3/2006	19.5	**350**	1.6 [f]	1.9 [f]	**15** [f]	**35** [f]	---	---	---	---	---	---

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Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*Lead*
MW-12-5	2/28/2006	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
MW-12-10	2/28/2006	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
MW-12-15	2/28/2006	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
MW-12-19.5	2/28/2006	19.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
MW-14-5	2/28/2006	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
MW-14-10	2/28/2006	10	32	0.0083	<0.0050	0.028	0.0055	<0.0050	<0.025	---	---	---	---
MW-14-14	2/28/2006	14	**970**	**2.3**	0.18	**19**	**27**	<0.15	<0.70	---	---	---	---
CPT-6-17	5/17/2007	17	<0.50	0.0020	0.0032	<0.0050	0.0019	---	---	---	---	---	---
VP-7-4.5	6/6/2007	4.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---
VP-8-4.5	5/29/2007	4.5	<0.50	0.00096	0.00084	0.00084	0.0015	---	---	---	---	---	---
VP-9-4.5	7/23/2008	4.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.010	<0.010	---
MW-9@5 fbg	8/10/2010	5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
MW-9@9.5 fbg	8/10/2010	9.5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
MW-9@14.5 fbg	8/10/2010	14.5	100 [e]	<0.50	<0.50	0.62	<0.50	---	---	---	---	---	---
MW-9@19.5 fbg	8/10/2010	19.5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
MW-10@5 fbg	8/10/2010	5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
MW-10@9.5 fbg	8/10/2010	9.5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---

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Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*Lead*
MW-10@14.5 fbg	8/10/2010	14.5	**1,200** [e]	<2.5	<2.5	**19**	**34**	---	---	---	---	---	---
MW-10@19.5 fbg	8/10/2010	19.5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
MW-11@5 fbg	8/10/2010	5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
MW-11@9.5 fbg	8/10/2010	9.5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
MW-11@14.5 fbg	8/10/2010	14.5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
MW-11@19.5 fbg	8/10/2010	19.5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-24-5	12/20/2010	5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-24-10	12/20/2010	10	**550** [e]	<0.50	<0.50	3.6	**22**	---	---	---	---	---	---
B-24-15	12/20/2010	15	**380** [e]	1.6	<0.50	**5.0**	**20**	---	---	---	---	---	---
B-24-19.5	12/20/2010	19.5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-25-5	12/23/2010	5	1.9 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-25-10	12/23/2010	10	**730** [e]	<2.5	<2.5	**12**	**51**	---	---	---	---	---	---
B-25-15	12/23/2010	15	**290** [e]	**2.2**	<0.50	**5.0**	7.3	---	---	---	---	---	---
B-25-19.5	12/23/2010	19.5	<0.50 [e]	<0.0050	<0.0050	<0.0050	0.016	---	---	---	---	---	---
B-26-5	12/20/2010	5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-26-10	12/20/2010	10	**1,100** [e]	**3.0**	<0.50	**21**	**110**	---	---	---	---	---	---
B-26-15	12/20/2010	15	**660** [e]	**5.4**	<0.50	**12**	**32**	---	---	---	---	---	---
B-26-19.5	12/20/2010	19.5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-27-5	12/20/2010	5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---

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Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*Lead*
B-27-10	12/20/2010	10	**1,600** [e]	**9.9**	**10**	**28**	**140**	---	---	---	---	---	---
B-27-15	12/20/2010	15	**490** [e]	**3.5**	0.62	**15**	**40**	---	---	---	---	---	---
B-27-19.5	12/20/2010	19.5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-28-5	12/20/2010	5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-28-10	12/20/2010	10	**460** [e]	**2.0**	<0.50	**7.4**	**37**	---	---	---	---	---	---
B-28-15	12/20/2010	15	57 [e]	**2.6**	5.4	**11**	**58**	---	---	---	---	---	---
B-28-19.5	12/20/2010	19.5	<0.50 [e]	<0.0050	<0.0050	<0.0050	0.012	---	---	---	---	---	---
B-29-5	12/20/2010	5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-29-10	12/20/2010	10	<0.50 [e]	0.010	<0.0050	0.015	0.012	---	---	---	---	---	---
B-29-15	12/20/2010	15	97 [e]	1.3	<0.50	1.7	7.2	---	---	---	---	---	---
B-29-19.5	12/20/2010	19.5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-30-5	12/23/2010	5	<50 [e]	0.064	<0.0050	0.015	0.0087	---	---	---	---	---	---
B-30-10	12/23/2010	10	**2,300** [e]	**6.1**	3.0	**44**	**240**	---	---	---	---	---	---
B-30-15	12/23/2010	15	<50 [e]	0.094	0.0056	0.055	0.11	---	---	---	---	---	---
B-30-19.5	12/23/2010	19.5	0.51 [e]	<0.0050	<0.0050	0.012	0.044	---	---	---	---	---	---
B-31-5	12/22/2010	5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-31-10	12/22/2010	10	**2,300** [e]	<0.50	<0.50	0.77	0.62	---	---	---	---	---	---
B-31-12	12/22/2010	12	**28,000** [e]	<50	**89**	**510**	**2,600**	---	---	---	---	---	---
B-31-15	12/22/2010	15	**190** [e]	<0.50	<0.50	2.0	3.5	---	---	---	---	---	---
B-31-19.5	12/22/2010	19.5	3.2 [e]	0.039	<0.0050	0.024	0.0058	---	---	---	---	---	---

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2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*Lead*
B-32-5	12/22/2010	5	130 [e]	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---
B-32-7	12/22/2010	7	**220** [e]	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---
B-32-10	12/22/2010	10	**1,800** [e]	<2.5	<2.5	4.1	<2.5	---	---	---	---	---	---
B-32-12	12/22/2010	12	<50 [e]	0.011	<0.0050	0.017	0.17	---	---	---	---	---	---
B-32-15	12/22/2010	15	**260** [e]	<2.5	<2.5	**5.4**	3.5	---	---	---	---	---	---
B-32-19.5	12/22/2010	19.5	0.54 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-33-5	12/22/2010	5	60 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-33-10	12/22/2010	10	**1,800** [e]	**2.8**	<2.5	**36**	**140**	---	---	---	---	---	---
B-33-15	12/22/2010	15	**240** [e]	**2.2**	<0.50	4.3	5.7	---	---	---	---	---	---
B-33-19.5	12/22/2010	19.5	0.95 [e]	0.014	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-34-5	12/22/2010	5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-34-10	12/22/2010	10	**290** [e]	<0.50	<0.50	1.7	<0.50	---	---	---	---	---	---
B-34-15	12/22/2010	15	170 [e]	0.91	<0.50	3.5	4.3	---	---	---	---	---	---
B-34-19.5	12/22/2010	19.5	160 [e]	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---
B-35-5	12/22/2010	5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-35-10	12/22/2010	10	**300** [e]	<0.50	<0.50	4.3	2.6	---	---	---	---	---	---
B-35-15	12/22/2010	15	<50 [e]	0.93	<0.50	0.75	0.92	---	---	---	---	---	---
B-35-19.5	12/22/2010	19.5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-36-5	12/22/2010	5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA FOR TPHg, BTEX, FUEL OXYGENATES, AND LEAD
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*Lead*
B-36-10	12/22/2010	10	**230** [e]	<0.50	<0.50	4.2	5.0	---	---	---	---	---	---
B-36-15	12/22/2010	15	**290** [e]	**2.5**	<0.50	**5.8**	7.7	---	---	---	---	---	---
B-36-19.5	12/22/2010	19.5	2.2 [e]	<0.50	<0.0050	0.016	<0.0050	---	---	---	---	---	---
B-37-5	12/22/2010	5	<50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-37-10	12/22/2010	10	**1,500** [a]	<2.5	<2.5	**30**	**87**	---	---	---	---	---	---
B-37-15	12/22/2010	15	67 [e]	0.64	<0.50	1.5	2.1	---	---	---	---	---	---
B-37-19.5	12/22/2010	19.5	70 [e]	0.92	<0.50	2.0	1.1	---	---	---	---	---	---
B-38-5	12/21/2010	5	1.2 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-38-8.5	12/21/2010	8.2	<50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-38-10	12/21/2010	10	**980** [e]	<2.5	<2.5	<2.5	<2.5	---	---	---	---	---	---
B-38-15	12/21/2010	15	<50 [e]	0.10	<0.0050	1.1	0.070	---	---	---	---	---	---
B-38-19.5	12/21/2010	19.5	0.93 [e]	<0.0050	<0.0050	0.0082	0.0065	---	---	---	---	---	---
B-39-5	12/21/2010	5	140 [e]	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---
B-39-8.5	12/21/2010	8.5	140 [e]	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---
B-39-10	12/21/2010	10	**2,600** [e]	**2.5**	<2.5	**30**	**67**	---	---	---	---	---	---
B-39-15	12/21/2010	15	**190** [e]	<0.50	<0.50	1.6	0.63	---	---	---	---	---	---
B-39-19.5	12/21/2010	19.5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-40-5	12/21/2010	5	68 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-40-10	12/21/2010	10	**4,200** [e]	<10	**63**	**65**	**430**	---	---	---	---	---	---
B-40-12.5	12/21/2010	12.5	**470** [e]	<2.5	<2.5	**6.6**	**38**	---	---	---	---	---	---

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA FOR TPHg, BTEX, FUEL OXYGENATES, AND LEAD
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*Lead*
B-40-15	12/21/2010	15	**200** [e]	0.74	<0.50	2.2	2.7	---	---	---	---	---	---
B-40-19.5	12/21/2010	19.5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-41-5	12/20/2010	5	**470** [e]	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---
B-41-8.5	12/20/2010	8.5	**7,200** [e]	<10	<10	**68**	**56**	---	---	---	---	---	---
B-41-10	12/20/2010	10	**4,500** [e]	<10	<10	**68**	**290**	---	---	---	---	---	---
B-41-15	12/20/2010	15	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-41-19.5	12/20/2010	19.5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-42-5	12/20/2010	5	**3,000** [e]	<5.0	<5.0	**5.5**	<5.0	---	---	---	---	---	---
B-42-10	12/20/2010	10	**17,000** [e]	**72**	**320**	**270**	**1,400**	---	---	---	---	---	---
B-42-15	12/20/2010	15	0.95 [e]	<0.0050	0.019	0.0097	0.055	---	---	---	---	---	---
B-42-19.5	12/20/2010	19.5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-43-5	12/21/2010	5	**170** [e]	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---
B-43-10	12/21/2010	10	**1,300** [e]	<2.5	<2.5	**21**	7.3	---	---	---	---	---	---
B-43-15	12/21/2010	15	1.0 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-43-19.5	12/21/2010	19.5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-44-5	12/21/2010	5	1.3 [e]	0.0088	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-44-10	12/21/2010	10	**570** [e]	<2.5	<2.5	**13**	<2.5	---	---	---	---	---	---
B-44-15	12/21/2010	15	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-44-19.5	12/21/2010	19.5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA FOR TPHg, BTEX, FUEL OXYGENATES, AND LEAD
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*Lead*
B-45-5	12/21/2010	5	1.2 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-45-10	12/21/2010	10	200 [e]	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---
B-45-15	12/21/2010	15	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-45-19.5	12/21/2010	19.5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-46-5	12/21/2010	5	<50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-46-8.5	12/21/2010	8.5	210 [e]	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---
B-46-10	12/21/2010	10	1,000 [e]	<2.5	<2.5	<2.5	5.8	---	---	---	---	---	---
B-46-15	12/21/2010	15	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-46-19.5	12/21/2010	19.5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-47-5	12/21/2010	5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-47-10	12/21/2010	10	130 [e]	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---
B-47-15	12/21/2010	15	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-47-19.5	12/21/2010	19.5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-48-5	12/21/2010	5	1.0 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-48-10	12/21/2010	10	74 [e]	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---
B-48-15	12/21/2010	15	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
B-48-19.5	12/21/2010	19.5	<0.50 [e]	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
Shallow Soil (≤3 m bgs) ESL [1]:			180	0.27	9.3	4.7	11	8.4	110	NA	NA	NA	750
Deep Soil (>3 m bgs) ESL [1]:			180	2.0	9.3	4.7	11	8.4	110	NA	NA	NA	750

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA FOR TPHg, BTEX, FUEL OXYGENATES, AND LEAD
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*Lead*

Notes:

All results in milligrams per kilograms (mg/kg) unless otherwise indicated.
fbg = Feet below grade
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8015 unless otherwise noted.
Benzene, toluene, ethylbenzene, and xylenes (BTEX) analyzed by EPA Method 8260B; before November 22, 2000, analyzed by EPA Method 8020 unless otherwise noted
MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B
TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B
DIPE = Di-isopropyl ether analyzed by EPA Method 8260B
ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B
TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B
Lead analyzed by EPA Method 3050B
--- = Not analyzed
<x = Not detected at reporting limit x
ESL = Environmental screening level
bgs = Below ground surface
m = Meters
NA = No applicable ESL
Results in bold exceed environmental screening level

a = Heavier gasoline range compounds are significant (aged gasoline?).
b = Gasoline range compounds are significant; no recognizable pattern.
c = Quantity of unknown hydrocarbon(s) in sample based on gasoline.
d = Extracted out of hold time
e = Analyzed by EPA Method 8260
f = Analyzed by EPA Method 8021
g = Internal standard out of range.
h = Concentration exceeds the calibrations range and therefore result is semi-quantitative.
i = Initial analysis within holding time, but required dilution.

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA FOR TPHg, BTEX, FUEL OXYGENATES, AND LEAD
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*Lead*

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

TABLE 2

HISTORICAL SOIL ANALYTICAL DATA FOR TPHmo, TPHd, PAHs, AND LEAD
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHmo*	*TPHd*	*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-c,d) Pyrene*	*Dibenz(a,h) Anthracene*	*1-Methylnaphthalene*	*Lead*
HA-1-0.7'	4/8/2009	0.7	**7,900**	**1,300** [a]	<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	24.5
HA-1-1.5'	4/8/2009	1.5	<25	<5.0	<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	7.73
HA-1-5'	4/8/2009	5	97	19 [a]	<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	7.74
HA-2-0.7'	4/8/2009	0.7	**6,700**	**560** [a]	<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	44.0
HA-2-1.5'	4/8/2009	1.5	<25	<5.0	<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	29.5
HA-2-5'	4/8/2009	5	<25	<5.0	<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	19.4
HA-3-0.7'	4/8/2009	0.7	**6,300**	**570** [a]	<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	59.9
HA-3-1.5'	4/8/2009	1.5	50	<5.0	<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	20.8
HA-3-5'	4/8/2009	5	<25	<5.0	<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	6.65
HA-4-0.7'	4/8/2009	0.7	**7,800**	**4,500** [a]	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	43.5
HA-4-1.5'	4/8/2009	1.5	<25	<5.0	<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	10.1
HA-4-5'	4/8/2009	5	<25	<5.0	<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	5.81
HA-5-0.7'	4/8/2009	0.7	**5,800**	**700** [a]	<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	46.0
HA-5-1.5'	4/8/2009	1.5	<25	<5.0	<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	8.14
HA-5-5'	4/8/2009	5	<25	<5.0	<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	7.85
HA-6-0.7'	4/8/2009	0.7	**7,400**	**1,800** [a]	<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	40.3
HA-6-1.5'	4/8/2009	1.5	290	**110** [a]	<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	11.3
HA-6-5'	4/8/2009	5	230	**130** [a]	<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	12.1
HA-7-0.7'	4/8/2009	0.7	**11,000**	**910** [a]	<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	37.1

TABLE 2

HISTORICAL SOIL ANALYTICAL DATA FOR TPHmo, TPHd, PAHs, AND LEAD
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHmo*	*TPHd*	*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-c,d) Pyrene*	*Dibenz(a,h) Anthracene*	*1-Methylnaphthalene*	*Lead*
HA-7-1.5'	4/8/2009	1.5	<25	<5.0	<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	8.82
HA-7-5'	4/8/2009	5	<25	<5.0	<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	7.45
HA-8-0.7'	4/8/2009	0.7	**9,600**	**810** [a]	<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	32.8
HA-8-1.5'	4/8/2009	1.5	74	11 [a]	<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	**1,060**
HA-8-5'	4/8/2009	5	190	35 [a]	<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	19.7
HA-9-0	12/13/2010	0	470	140[a]	<0.10	<0.10	<0.10	<0.10	<0.10	0.12	<0.10	0.19	0.23	0.12	0.15	0.10	0.12	**0.14**	0.15	0.10	<0.10	<0.10	**1,410**
HA-9-1	12/13/2010	1	26	11 [a]	<0.020	<0.020	<0.020	<0.020	<0.020	0.091	0.027	0.14	0.14	0.093	0.10	0.062	0.071	0.092	0.057	0.044	<0.020	<0.020	357
HA-9-4.5	12/13/2010	4.5	<25	<5.0	<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	5.53
HA-10-0	12/13/2010	0	370[a]	150[a]	<0.10	<0.10	<0.10	<0.10	<0.10	0.11	<0.10	0.17	0.22	0.11	0.17	0.11	0.15	**0.14**	0.22	0.14	<0.10	<0.10	**1,240**
HA-10-1	12/13/2010	1	1,200	**430**[a]	0.020	<0.020	<0.020	<0.020	<0.020	0.098	0.030	0.20	0.24	0.12	0.15	0.094	0.11	**0.16**	0.14	0.10	0.022	<0.020	529
HA-10-4.5	12/13/2010	4.5	<25	<5.0	<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	7.39
HA-11-0	12/13/2010	0	340[a]	120[a]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.19	0.27	0.11	0.17	0.10	0.14	**0.16**	0.18	0.12	<0.10	<0.10	**1,950**
HA-11-1	12/13/2010	1	<25	<5.0	<0.020	<0.020	<0.020	<0.020	<0.020	0.048	<0.020	0.074	0.070	0.047	0.052	0.035	0.027	0.043	0.024	<0.020	<0.020	<0.020	166
HA-11-4.5	12/13/2010	4.5	<25	<5.0	<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	73.2
HA-12-0	12/13/2010	0	120	39 [a]	0.059	0.042	0.048	<0.020	<0.020	0.26	0.055	0.41	0.55	0.20	0.25	0.17	0.18	**0.26**	0.21	0.15	0.035	0.029	**4,550**
HA-12-1	12/13/2010	1	130	39 [a]	<0.020	<0.020	<0.020	<0.020	<0.020	0.089	0.026	0.086	0.088	0.050	0.057	0.040	0.035	0.045	0.035	0.025	<0.020	<0.020	**1,150**
HA-12-4.5	12/13/2010	4.5	<25	<5.0	<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	9.25
HA-13-0	12/13/2010	0	920	**210**[a]	<0.10	<0.10	<0.10	<0.10	<0.10	0.26	<0.10	0.38	0.42	0.22	0.25	0.19	0.18	**0.24**	0.19	0.15	<0.10	<0.10	**3,940**

TABLE 2

HISTORICAL SOIL ANALYTICAL DATA FOR TPHmo, TPHd, PAHs, AND LEAD
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHmo*	*TPHd*	*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-c,d) Pyrene*	*Dibenz(a,h) Anthracene*	*1-Methylnaphthalene*	*Lead*
HA-13-1	12/13/2010	1	<25	7.8[a]	<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	291
HA-13-4.5	12/13/2010	4.5	<25	<5.0	<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	498
Shallow Soils (≤10 fbg) ESL[b]:			2,500	180	2.8	0.25	13	19	8.9	11	2.8	40	85	1.3	23	1.3	1.3	0.13	27	2.1	0.21	NA	750

Notes:

All results in milligrams 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 tabulated 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 NOT 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

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: 11/30/2010 By jamesy

Permit Numbers: W2010-0952
Permits Valid from 12/13/2010 to 12/30/2010

Application Id: 1290037128137
City of Project Site: Oakland
Site Location: 2721 Martin Luther King Jr, Oakland, CA
Project Start Date: 12/13/2010
Completion Date: 12/30/2010
Assigned Inspector: Contact Ron Smalley at (510) 670-5407 or ronaldws@acpwa.org

Applicant: Conestoga Rovers & Associates (CRA) - Christine Orlowski
5900 Hollis Street Suite A, Emeryville, CA 94608
Phone: 510-420-3314

Property Owner: Solomon Tesfa
484 Lake Park Avenue #288, Oakland, CA 94610
Phone: --

Client: Shell US Oil Products
20945 S. Wilmington, Carlson, CA, CA 90815
Phone: --

Total Due: $265.00
Receipt Number: WR2010-0410 **Total Amount Paid:** $265.00
Payer Name : Conestoga Rovers & Associates Paid By: CHECK
PAID IN FULL

Works Requesting Permits:

Borehole(s) for Investigation-Environmental/Monitorinig Study - 5 Boreholes
Driller: Vapor Tech Services - Lic #: 916085 - Method: Hand
Work Total: $265.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2010-0952	11/30/2010	03/13/2011	5	2.00 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 Ron Smalley for an inspection time at 510-670-5407 or email to ronaldws@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

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

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

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

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: 11/30/2010 By jamesy

Permit Numbers: W2010-0951
Permits Valid from 12/13/2010 to 12/30/2010

Application Id: 1290036635830
City of Project Site: Oakland
Site Location: 2703 Martin Luther King Jr Way
Project Start Date: 12/13/2010
Completion Date: 12/30/2010
Assigned Inspector: Contact Ron Smalley at (510) 670-5407 or ronaldws@acpwa.org

Applicant: Conestoga Rovers & Associates (CRA) - Christine Orlowski
5900 Hollis Street Suite A, Emeryville, CA 94608
Phone: 510-420-3314

Property Owner: Rodney Kwan
2703 Martin Luther King Jr Way, Oakland, CA 94808
Phone: 510-839-7264

Client: Shell US Oil Products
20945 S. Wilmington, Carlson, CA 90815
Phone: --

Total Due: $265.00
Receipt Number: WR2010-0409 **Total Amount Paid:** $265.00
Payer Name : Conestoga Rovers & Associates Paid By: CHECK
PAID IN FULL

Works Requesting Permits:

Borehole(s) for Investigation-Environmental/Monitorinig Study - 25 Boreholes
Driller: Vapor Tech Services - Lic #: 916085 - Method: DP
Work Total: $265.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2010-0951	11/30/2010	03/13/2011	25	2.00 in.	20.00 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 Ron Smalley for an inspection time at 510-670-5407 or email to ronaldws@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

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

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

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

APPENDIX B

BORING LOGS

Boring/Well Log Legend

KEY TO SYMBOLS/ABBREVIATIONS

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

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

fbg = Feet below grade

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

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

msl = Mean sea level

Soils logged according to the USCS.

UNIFIED SOILS CLASSIFICATION SYSTEM (USCS) SUMMARY

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

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

CONESTOGA-ROVERS & ASSOCIATES

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

BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	HA-9
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	13-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	13-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3.5"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Located at 2721 Martin Luther King Jr Way.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		HA-9- 0			ML		**SILT (ML):** black (10YR 2/1) ; dry; 30% clay, 65% silt, 5% fine grained sand; medium plasticity.		
0		HA-9- 1					@ 1.5' - 45% clay, 55% silt; high plasticity.		Portland Type I/II
0		HA-9- 4.5		5			**Sandy SILT (ML):** ; grayish brown (2.5Y 5/2); dry; 15% clay, 50% silt, 35% fine grained sand; low plasticity.	5.0	Bottom of Boring @ 5 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407-\240781-\12439F3-\1240781.GPJ DEFAULT.GDT 3/3/11

Conestoga Rovers & Associates
5900 Hollis Street, Suite A
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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	HA-10
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	13-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	13-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3.5"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA
REMARKS	Located at 2721 Martin Luther King Jr Way.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		HA-10 -0					**SILT (ML):** black (10YR 2/1) ; dry; 30% clay, 65% silt, 5% fine grained sand; medium plasticity.		
0		HA-10 -1			ML		@ 1.5' - 45% clay, 55% silt; high plasticity.		Portland Type I/II
0		HA-10 -4.5		5			**Sandy SILT (ML):** ; grayish brown (2.5Y 5/2); dry; 15% clay, 50% silt, 35% fine grained sand; low plasticity.	5.0	Bottom of Boring @ 5 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407--\240781~1\2439F3~1\240781.GPJ DEFAULT.GDT 3/3/11

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	HA-11
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	13-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	13-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3.5"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Located at 2721 Martin Luther King Jr Way.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		HA-11 -0					**SILT (ML):** black (10YR 2/1) ; dry; 25% clay, 65% silt, 10% fine grained sand; medium plasticity.		Portland Type I/II
0		HA-11 -1			ML		@ 1.5' - 35% clay, 65% silt; high plasticity.		
0		HA-11 -4.5		5			@ 4.5' - dark grayish brown (2.5Y 4/2); dry; 20% clay, 70% silt, 10% fine grained sand; medium plasticity.	5.0	Bottom of Boring @ 5 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407-\240781-\12439F3-\1240781.GPJ DEFAULT.GDT 3/3/11

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	HA-12
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	13-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	13-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3.5"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Located at 2721 Martin Luther King Jr Way.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		HA-12 -0					**SILT (ML):** black (10YR 2/1) ; moist; 10% clay, 80% silt, 10% fine grained sand; medium plasticity.		
0		HA-12 -1			ML		@ 1.5' - dry; 25% clay, 70% silt, 5% fine grained sand; high plasticity.		Portland Type I/II
0		HA-12 -4.5		5			@ 4.5' - dark gray (2.5Y 4/1); dry; 20% clay, 65% silt, 15% fine grained sand; low plasticity.	5.0	Bottom of Boring @ 5 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407--\240781-1\2439F3~1\240781.GPJ DEFAULT.GDT 3/3/11

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	HA-13
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	13-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	13-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3.5"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Located at 2721 Martin Luther King Jr Way.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		HA-13 -0					**SILT (ML):** black (10YR 2/1) ; moist; 5% clay, 75% silt, 10% fine grained sand, 5% fine gravels; medium plasticity.		
0		HA-13 -1			ML		@ 1.5' - dry; 25% clay, 65% silt, 10% fine grained sand; high plasticity.		Portland Type I/II
0		HA-13 -4.5		5			@ 4' - dark gray (10YR 4/1); dry; 10% clay, 65% silt, 20% fine grained sand, 5% fine grained gravel; low plasticity.	5.0	Bottom of Boring @ 5 fbg

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-24
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	13-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	20-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	12.50 fbg (20-Dec-10) ▽
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Airknifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	
							GRAVEL with Silt and Sand (FILL): pale brown (10YR 6/3); dry; 10% silt, 35% fine to coarse grained sand, 55% fine to coarse grained gravel; nonplastic.	1.0	
							SILT (ML): black (10YR 2/1); dry; 20% clay, 75% silt, 5% fine grained sand; medium plasticity.		
1.6		B-24- 5		5	ML		@ 5'- brown (10YR 5/3); moist; 30% clay, 70% silt.		
16		B-24- 10		10					Portland Type I/II
					SM		**Silty SAND with Gravel (SM):** dark gray (5Y 4/1); moist; 25% silt, 55% fine to coarse grained sand, 20% fine grained gravel; nonplastic. ▽ @ 12.5' - wet.	11.0	
40		B-24- 15		15	GM		**Silty GRAVEL with Sand (GM):** olive gray (5Y 5/2); wet; 20% silt, 25% fine to coarse grained sand, 55% fine to coarse grained gravel; nonplastic.	15.0	
					ML		**SILT (ML):** brown (10YR 4/3); wet; 15% clay, 80% silt, 5% fine grained sand; medium plasticity.	18.0	
24		B-24- 19.5		20	SM		**Silty SAND with Gravel (SM):** brown (10YR 4/3); moist; 20% silt, 60% fine to coarse grained sand, 20% fine to coarse grained gravel; nonplastic.	19.0 20.0	Bottom of Boring @ 20 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407--\240781~1\2439F3~1\240781.GPJ DEFAULT.GDT 3/3/11

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-25
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	17-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	23-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	5.00 fbg (23-Dec-10) ▽
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Airknifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	
							GRAVEL with Silt and Sand (FILL): pale brown (10YR 6/3); dry; 10% silt, 35% fine to coarse grained sand, 55% fine to coarse grained gravel; nonplastic.	1.0	
							SILT (ML): dark brown (7.5YR 3/2); moist; 15% clay, 75% silt, 5% fine grained sand, 5% fine grained gravel; medium plasticity.		
							@ 3.5' - greenish gray (5GY 6/1).		
1		B-25- 5		5	ML		@ 5' - wet; 25% clay, 75% silt; low plasticity.		
							@ 8' - grayish brown (10YR 5/2).		
28		B-25- 10		10			@ 10' - **SILT with Sand (ML):** grayish brown (2.5YR 5/2); moist; 10% clay, 70% silt, 20% fine grained sand; low plasticity.	11.0	Portland Type I/II
					SM		**Silty SAND with Gravel (SM):** greenish gray (10Y 5/1); moist; 20% silt, 65% fine to coarse grained sand; 15% fine to coarse grained gravel; nonplastic.	14.0	
					ML		**Sandy SILT (ML):** olive brown (2.5Y 4/3); wet; 65% silt, 25% fine to coarse grained sand, 10% fine to coarse grained gravel; medium plasticity.	15.5	
188		B-25- 15		15	GM		**Silty GRAVEL with Sand (GM):** dark grayish brown (2.5Y 4/2); wet; 15% silt, 20% fine to coarse grained sand, 65% fine to coarse grained gravel; nonplastic.	18.0	
					ML		**Sandy SILT (ML):** yellowish brown (10YR 5/6); wet; 65% silt, 25% fine to coarse grained sand, 10% fine to coarse grained gravel; medium plasticity.	20.0	
2		B-25- 19.5		20					Bottom of Boring @ 20 fbg

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-26
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	14-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	20-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	5.00 fbg (20-Dec-10) ▽
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Airknifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	
							GRAVEL with Silt and Sand (FILL): pale brown (10YR 6/3); dry; 10% silt, 35% fine to coarse grained sand, 55% fine to coarse grained gravel; nonplastic.	1.0	
							SILT with Sand (ML): very dark brown (10YR 2/2); dry; 10% clay, 75% silt,15% fine grained sand; medium plasticity.		
							@ 3.5' - **SILT (ML):** brown (10YR 4/3); dry, 30% clay, 70% silt; medium plasticity. ▽		
2		B-26- 5		5			@ 5' - wet.		
					ML		@ 7' - **Sandy SILT (ML):** dark olive gray (5Y 3/2); moist; 10% clay, 50% silt, 35% fine to coarse grained sand, 5% fine grained gravel; medium plasticity.		
121		B-26- 10		10			@ 9' - **SILT (ML)** olive (2.5Y 5/3); wet; 30% clay, 70% silt; medium plasticity.		Portland Type I/II
								15.0	
598		B-26- 15		15	SW SM		**SAND with Silt and Gravel (SW-SM):** olive gray (5Y 4/2); moist; 10% silt, 60% fine to coarse grained sand, 30% fine to coarse grained gravel; nonplastic. @ 16.5' - wet; 10% silt, 55% fine to coarse grained sand, 35% fine to coarse grained gravel.	18.0	
					SM		**Silty SAND (SM):** strong brown (7.5YR 4/6); wet; 25% silt, 70% fine to coarse grained sand, 5% fine grained gravel; nonplastic.		
7		B-26- 19.5		20				20.0	Bottom of Boring @ 20 fbg

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-27
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	14-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	20-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	10.00 fbg (20-Dec-10)
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA
REMARKS	Airknifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	
							GRAVEL with Silt and Sand (FILL): pale brown (10YR 6/3); dry; 10% silt, 35% fine to coarse grained sand, 55% fine to coarse grained gravel; nonplastic.	1.0	
							SILT with Sand (ML): very dark brown (10YR 2/2); dry; 15% clay, 70% silt,10% fine grained sand, 5% fine grained gravel; medium plasticity.		
							@ 3.5' - **SILT (ML):** olive (5Y 4/3); dry, 30% clay, 70% silt; medium plasticity.		
6		B-27- 5		5	ML				
							▽		Portland Type I/II
156		B-27- 10		10			@ 10.5' - **Sandy SILT (ML):** olive gray (5Y 5/2); wet; 10% clay, 60% silt, 30% fine grained sand; medium plasticity.	12.0	
							Silty SAND (SM): olive gray (5Y 5/2); wet; 5% clay, 30% silt, 60% fine to coarse grained sand, 5% fine to coarse grained gravel; nonplastic.		
							@ 13' -**SAND with Gravel (SM):** light olive brown (2.5Y 5/4); 5% clay, 10% silt, 65% fine to coarse grained sand, 20% fine to coarse grained gravel.		
231		B-27- 15		15	SM				
							@ 17' - **Silty SAND (SM):** grayish brown (10Y 5/2); 5% clay, 15% silt, 70% fine to coarse grained sand, 10% fine to coarse grained gravel.	17.0	
					GM		**Silty GRAVEL with Sand (GM):** dark grayish brown (2.5Y 4/2); wet; 15% silt, 20% fine to coarse grained sand, 65% fine to coarse grained gravel; nonplastic.	18.0	
					SM		**Silty SAND (SM)** dark yellowish brown (10Y 4/4); wet; 5% clay, 15% silt, 70% fine to coarse grained sand, 10% fine to coarse grained gravel; nonplastic.	20.0	
2		B-27- 19.5		20					Bottom of Boring @ 20 fbg

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-28
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	14-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	20-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	10.00 fbg (20-Dec-10)
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA
REMARKS	Airknifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	
							GRAVEL with Silt and Sand (FILL): pale brown (10YR 6/3); dry; 10% silt, 35% fine to coarse grained sand, 55% fine to coarse grained gravel; nonplastic.	1.0	
							SILT with Sand (ML): very dark brown (10YR 2/2); dry; 10% clay, 75% silt, 15% fine grained sand; medium plasticity.		
							@ 3' - **SILT (ML):** olive (5Y 4/3); 30% clay, 70% silt.		
1		B-28- 5		5	ML				
							@ 8' - dark grayish brown (2.5Y 4/2); moist; 20% clay, 70% silt, 10% fine grained sand.		
242		B-28- 10		10			@ 10' - **Sandy SILT (ML):** wet; 5% clay, 65% silt, 30% fine to medium grained sand.	11.0	Portland Type I/II
					SM		**Silty SAND with Gravel (SM):** dark olive gray (5Y 3/2); wet; 15% silt, 60% fine to coarse grained sand, 25% fine to coarse grained gravel; nonplastic.	13.0	
					GW-GM		**GRAVEL with Silt and Sand (GW-GM):** dark olive gray (5Y 3/2); wet; 10% silt, 25% fine to coarse grained sand, 65% fine to coarse grained gravel; nonplastic.	13.5	
288		B-28- 15		15	SM		**Silty SAND with Gravel (SM):** dark olive gray (5Y 3/2); wet; 25% silt, 60% fine to coarse grained sand, 15% fine to coarse grained gravel; nonplastic.	16.0	
					ML		**SILT with Sand (ML):** black(5YR 2.5/1); wet; 5% clay, 75% silt, 20% fine grained sand; medium plasticity.	16.5	
					GW GM		**GRAVEL with Silt and Sand (GW-GM):** olive gray (5Y 4/2); wet; 10% silt, 25% fine to coarse grained sand, 65% fine to coarse grained gravel; nonplastic.	19.0	
2		B-28- 19.5		20	SM		**Silty SAND (SM):** brown (7.5YR 4/4); wet; 15% silt, 75% fine to coarse grained sand, 10% fine grained gravel; nonplastic.	20.0	Bottom of Boring @ 20 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407--\240781~1\2439F3~1\240781.GPJ DEFAULT.GDT 3/3/11

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-29
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	14-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	20-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	7.50 fbg (20-Dec-10) ▽
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Airknifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	
							GRAVEL with Silt and Sand (FILL): pale brown (10YR 6/3); dry; 10% silt, 35% fine to coarse grained sand, 55% fine to coarse grained gravel; nonplastic.	1.0	
							SILT with Sand (ML): very dark brown (10YR 2/2); wet; 10% clay, 75% silt, 15% fine grained sand; medium plasticity.		
							@ 3' - **SILT (ML):** brown (10YR 4/3); moist; 30% clay, 70% silt; medium plasticity.		
1.5		B-29- 5		5	ML		@ 7.5' - wet. ▽		
6		B-29- 10		10					◄ Portland Type I/II
								12.0	
482					SW		**SAND with Gravel (SM):** weak red (2.5YR 5/2); wet; 5% silt, 60% fine to coarse grained sand; 35% fine to coarse grained gravel; nonplastic.	13.5	
							Silty SAND with Gravel (SM): weak red (2.5YR 5/2); wet; 15% silt, 70% fine to coarse grained sand, 15% fine to coarse grained gravel; nonplastic.		
218		B-29- 15		15	SM				
								17.0	
					GW		**GRAVEL with Sand (GW):** weak red (2.5YR 5/2); wet; 5% silt, 25% fine to coarse grained sand, 70% fine to coarse grained gravel; nonplastic.	18.0	
					SW		**SAND with Gravel (SW):** brown (7.5Y 5/3); wet; 5% silt, 70% fine to coarse grained sand, 25% fine grained gravel; nonplastic.		
5		B-29- 19.5		20				20.0	Bottom of Boring @ 20 fbg

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-30
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	17-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	23-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	7.50 fbg (23-Dec-10) ▽
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Airknifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (fbg)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					ASPHALT	0.5	
					GRAVEL with Silt and Sand (FILL): pale brown (10YR 6/3); dry; 10% silt, 35% fine to coarse grained sand, 55% fine to coarse grained gravel; nonplastic.	1.0	
					SILT (ML): very dark brown (10YR 2/2); dry; 10% clay, 80% silt, 10% fine grained sand; medium plasticity.		
					@ 4' - greenish gray (5GY 6/1) 30% clay, 70% silt.		
3		B-30- 5	5	ML	@ 5' - wet; 25% clay, 70% silt, 5% fine to coarse grained sand.		
					@ 8' - **SILT with Sand (ML):** greenish gray (10Y 6/1); 10% clay, 65% silt, 25% fine grained sand; low plasticity.		
						10.0	Portland Type I/II
549		B-30- 10	10	SM	**Silty SAND (SM):** greenish gray (10Y 5/1); moist; 5% clay, 35% silt, 60% fine grained sand; nonplastic.		
						12.0	
565				SW	**SAND with Gravel (SW):** very dark greenish grey (5GY 3/1); wet; 65% fine to coarse grained sand, 35% fine to coarse grained gravel; nonplastic.	13.0	
198				ML	**SILT with Sand (ML):** olive brown (2.5Y 4/3); moist; 15% clay, 65% silt, 10% fine to coarse grained sand, 10% fine to coarse grained gravel; low plasticity.		
37		B-30- 15	15		@ 14' - greenish gray (10Y 5/1)	15.5	
				SW	**SAND with Gravel (SW):** dark greenish gray (10Y 4/1); wet; 5% silt, 65% fine to coarse grained sand, 30% fine to coarse grained gravel; nonplastic.	17.0	
				SM	**Silty SAND (SM):** brown (7.5YR 4/4); wet; 20% silt, 80% fine to coarse grained sand; nonplastic.	18.0	
				ML	@17.5' - **Silty SAND with Gravel (SM):** 10% silt, 70% fine to coarse grained sand, 20% fine to coarse grained gravel.		
6		B-30- 19.5	20		**Sandy SILT (ML):** brown (7.5YR 4/4); wet; 60% silt, 35% fine to coarse grained sand, 5% fine to coarse grained gravel; medium plasticity.	20.0	Bottom of Boring @ 20 fbg

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-31
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	13-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	22-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	5.00 fbg (22-Dec-10)
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA
REMARKS	Airknifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	
0		B-31-5		5	GM		**Silty GRAVEL and Sand (GM FILL):** dark yellowish brown (10YR 4/4); dry; 5% clay, 15% silt, 30% fine to coarse grained sand, 50% fine to coarse grained gravel; nonplastic. ▽ @ 5' - wet.	9.0	
67		B-31-10		10	SP		**SAND (SP FILL):** black (N 2.5/); wet; 100% fine to coarse sand, nonplastic.	12.5	Portland Type I/II
136		B-31-12							
1		B-31-15		15	ML		**Sandy SILT (ML):** dark greenish gray (5GY 4/1); moist; 5% clay, 70% silt, 25% fine to coarse grained sand; 5% fine gravel; medium plasticity. @ 13' - **Gravelly SILT with Sand (ML):** grayish brown (2.5Y 5/2); 55% silt, 20% fine to coarse grained sand, 25% fine gravel. @ 18' - **SILT (ML):** brown (10YR 5/3); moist; 15% clay, 75% silt, 5% fine to coarse grained sand, 5% fine to coarse gravel.	19.5	
9		B-31-19.5		20	SM		**Silty SAND with Gravel (SM):** olive brown (2.5Y 4/3); moist; 15% silt, 70% fine to coarse grained sand, 15% fine to coarse gravel; nonplastic.	20.0	Bottom of Boring @ 20 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407--\240781--1\2439F3~1\240781.GPJ DEFAULT.GDT 3/3/11

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-32
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	16-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	22-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	6.00 fbg (22-Dec-10) ▽
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Airknifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	
					GM		**Silty GRAVEL with Sand (GM FILL):** dark yellowish brown (10YR 4/4); dry; 5% clay, 15% silt, 30% fine to coarse grained sand, 50% fine to coarse gravel; nonplastic.		
0		B-32- 5		5			▽	6.0	
91		B-32- 7			SP		**SAND (SP FILL):** black (N 2.5/); wet; 100% fine to coarse sand, nonplastic.		
24		B-32- 10		10					Portland Type I/II
								11.5	
643		B-32- 12			SM		**Silty SAND with Gravel (SM):** dark greenish gray (10GY 4/1); moist; 15% silt, 60% fine to coarse grained sand, 25% fine to coarse gravel; nonplastic.	12.0	
					ML		**SILT (ML):** dark yellowish brown (10YR 4/4); moist; 10% clay, 85% silt, 5% fine grained sand; medium plasticity; mottled. @ 13' - greenish gray (10GY 5/1) @ 15' - **Gravelly SILT with Sand (ML):** yellowish brown (10YR 5/6); 55% silt, 20% fine to coarse grained sand, 25% fine to coarse gravel; low plasticity.		
53		B-32- 15		15					
							@ 18' - **SILT with Sand (ML):** dark yellowish brown (10YR 4/6); moist; 10% clay, 65% silt, 25% fine grained sand; medium plasticity.		
7		B-32- 19.5		20				20.0	Bottom of Boring @ 20 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407--\240781--\12439F3-\1240781.GPJ DEFAULT.GDT 3/3/11

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-33
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	16-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	22-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	5.00 fbg (22-Dec-10)
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA
REMARKS	Airknifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	
							GRAVEL with Silt and Sand (FILL): pale brown (10YR 6/3); dry; 10% silt, 35% fine to coarse grained sand, 55% fine to coarse grained gravel; nonplastic.	1.0	
							SILT with Sand (ML): weak red (2.5YR 5/2); dry; 10% clay, 75% silt, 15% fine grained sand; medium plasticity.		
							@ 2.5' - **SILT (ML):** 25% clay, 75% silt.		
2		B-33- 5		5	ML		@ 5' - wet.		
190		B-33- 10		10			@ 11' - **SILT with Sand (ML):** greenish gray (10GY 5/1); moist; 5% clay, 70% silt, 20% fine grained sand.	12.0	Portland Type I/II
					SM		**Silty SAND (SM):** dark greenish gray (10Y 4/1); moist; 15% silt, 75% fine to coarse grained sand, 10% fine gravel; nonplastic.	13.0	
					GW		**GRAVEL with Sand (GW):** yellowish brown (10YR 5/4); wet; 25% fine to coarse grained sand, 75% fine to coarse gravel; nonplastic.	13.5	
248		B-33- 15		15	ML		**Sandy SILT (ML):** grayish brown (2.5Y 5/2); wet; 10% clay, 60% silt, 20% fine to coarse grained sand, 10% fine to coarse gravel; medium plasticity.	16.5	
					GW		**GRAVEL with Sand (GW):** yellowish brown (10YR 5/4); wet; 35% fine to coarse grained sand, 65% fine to coarse gravel; nonplastic.	18.5	
4		B-33- 19.5		20	ML		**SILT with Sand (ML):** light olive brown (2.5Y 5/3); wet; 5% clay, 75% silt, 10% fine to coarse grained sand, 10% fine to coarse gravel; medium plasticity.	20.0	Bottom of Boring @ 20 fbg

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-34
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	16-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	22-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	18.50 fbg (22-Dec-10) ▽
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Airknifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	
							GRAVEL with Silt and Sand (FILL): pale brown (10YR 6/3); dry; 10% silt, 35% fine to coarse grained sand, 55% fine to coarse grained gravel; nonplastic.	1.0	
							SILT with Sand (ML): black (10YR 2/1); dry; 10% clay, 75% silt, 10% fine grained sand, 5% fine gravel; medium plasticity.		
							@ 2.5' - **SILT (ML):** 30% clay, 70% silt.		
2		B-34-5		5	ML		@ 5' - **Gravelly SILT with Sand (ML):** dark greenish gray (5GY 3/1); 45% silt, 20% fine to coarse grained sand, 35% fine to coarse gravel; low plasticity.		
							@ 6' - **SILT with Sand (ML):** brown (10YR 5/3); 10% clay, 75% silt, 15% fine grained sand.		
							@ 8' - **SILT (ML):** 25% clay, 75% silt; medium plasticity.		
46		B-34-10		10					Portland Type I/II
								12.0	
					SM		**Silty SAND with Gravel (SM):** dark grayish brown (2.5Y 4/2); moist; 15% silt, 65% fine to coarse grained sand; 20% fine to coarse gravel; nonplastic.	14.0	
96		B-34-15		15	ML		**SILT (ML):** yellowish brown (10YR 5/4); moist; 25% clay, 65% silt, 10% fine gravel; medium plasticity.	16.5	
					GW GM		**GRAVEL with Silt and Sand (GW-GM):** brown (10YR 5/3); moist; 10% silt, 25% fine to coarse grained sand, 65% fine to coarse gravel; nonplastic. ▽	18.5	
					SM		**Silty SAND (SM):** yellowish brown (10YR 5/4); wet; 15% clay, 20% silt, 65% fine grained sand; nonplastic.	19.0	
7		B-34-19.5		20	ML		**SILT (ML):** brown (10YR 4/3); moist; 15% clay, 70% silt, 10% fine grained sand; medium plasticity.	20.0	Bottom of Boring @ 20 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407--\240781--\12439F3--\1\240781.GPJ DEFAULT.GDT 3/3/11

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-35
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	16-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	22-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	17.00 fbg (22-Dec-10) ▽
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Airknifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	
							GRAVEL with Silt and Sand (FILL): pale brown (10YR 6/3); dry; 10% silt, 35% fine to coarse grained sand, 55% fine to coarse grained gravel; nonplastic.	1.0	
							SILT with Sand (ML): black (10YR 2/1); dry; 10% clay, 75% silt, 10% fine grained sand, 5% fine gravel; medium plasticity.		
							@ 2.5' - **SILT (ML):** 30% clay, 70% silt.		
1		B-35- 5		5	ML		@ 5' - **Gravelly SILT with Sand (ML):** dark greenish gray (5GY 3/1); 45% silt, 20% fine to coarse grained sand, 35% fine to coarse gravel; low plasticity.		
							@ 6' - **SILT with Sand (ML):** brown (10YR 5/3); 10% clay, 75% silt, 15% fine grained sand.		
							@ 9' - **SILT (ML):** 25% clay, 70% silt, 5% fine grained sand; medium plasticity.		◄ Portland Type I/II
11		B-35- 10		10			@ 11' - **SILT with Sand (ML):** moist; 20% clay, 65% silt, 15% fine grained sand.		
								12.0	
					SM		**Silty SAND (SM):** brown (10YR 5/3); moist; 25% silt, 65% fine to coarse grained sand, 10% fine to coarse gravel; nonplastic.		
33		B-35- 15		15				▽ 17.0	
					ML		**SILT with Sand (ML):** light olive brown (2.5YR 5/4); wet; 10% clay, 65% silt, 25% fine grained sand; medium plasticity.		
0		B-35- 19.5		20				20.0	Bottom of Boring @ 20 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407-\240781-\12439F3~1\240781.GPJ DEFAULT.GDT 3/3/11

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-36
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	16-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	22-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	11.50 fbg (22-Dec-10) ▽
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Airknifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	
							GRAVEL with Silt and Sand (FILL): pale brown (10YR 6/3); dry; 10% silt, 35% fine to coarse grained sand, 55% fine to coarse grained gravel; nonplastic.	1.0	
							SILT with Sand (ML): black (10YR 2/1); dry; 10% clay, 75% silt, 10% fine grained sand, 5% fine gravel; medium plasticity.		
							@ 1.5' - **SILT (ML):** 30% clay, 70% silt.		
2		B-36- 5		5	ML		@ 5' -**Gravelly SILT with Sand (ML):** dark greenish gray (5GY 3/1); dry; 45% silt, 20% fine to coarse grained sand, 35% fine gravel; low plasticity.		
							@ 6' - **SILT with Sand (ML):** 10% clay, 75% silt, 15% fine grained sand.		
							@ 8' - **SILT (ML):** 20% clay, 70% silt, 5% fine grained sand, 5% fine gravel; medium plasticity.		
44		B-36- 10		10					◄ Portland Type I/II
					SM		**Silty SAND (SM):** dark grayish brown (2.5Y 4/2) moist; ▽ 25% silt, 75% fine grained sand; nonplastic.	11.0	
							@ 11.5' - wet.		
225							@ 12.5' - olive brown (10YR 4/3); 20%silt, 70% fine to coarse grained sand, 10% fine to coarse gravel, nonplastic.	14.0	
					ML		**SILT with Sand (ML):** grayish brown (2.5Y 5/2); moist; 15% clay, 70% silt, 15% fine to coarse sand; medium plasticity.		
855		B-36- 15		15				16.0	
					GW		**GRAVEL with Sand (GW):** olive brown (2.5 4/3); dry; 5% silt, 25% fine to coarse grained sand, 70% fine to coarse gravel; nonplastic.	18.0	
					ML		**SILT with Sand (ML):** dark yellowish brown (10YR 4/6); moist; 10% clay, 65% silt, 25% fine to coarse sand; medium plasticity.		
9		B-36- 19.5		20				20.0	Bottom of Boring @ 20 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407--\240781~1\2439F3~1\240781.GPJ DEFAULT.GDT 3/3/11

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-37
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	16-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	22-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	7.00 fbg (22-Dec-10) ▽
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Airknifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASHPALT	0.5	
							GRAVEL with Sand (FILL): pale brown (10YR 6/3); dry; 10% silt, 35% fine to coarse grained sand, 55% fine to coarse grained gravel; nonplastic.	1.0	
							SILT with Sand (ML): black (10YR 2/1); dry; 10% clay, 75% silt, 10% fine grained sand, 5% fine gravel; medium plasticity.		
							@ 2' - **SILT (ML):** greenish gray (5GY 5/1) 25% clay, 75% silt.		
28		B-37-5		5	ML		@ 5' - moist.		
							@ 7' - wet. ▽		
597		B-37-10		10					Portland Type I/II
							@ 11' - **Sandy SILT (ML):** dark greenish gray (10Y 4/1); wet; 5% clay, 65% silt, 25% fine to coarse grained sand, 5% fine to coarse gravel; medium plasticity.	12.0	
					SM		**Silty SAND (SM):** greenish gray (10Y 5/1); wet; 20% silt, 75% fine to coarse grained sand, 5% fine gravel; nonplastic.	13.0	
136		B-37-15		15	ML		**SILT (ML):** greenish gray (10Y 5/1); moist; 15% clay, 75% silt, 10% fine grained sand; low plasticity.		
							@ 17' - **SILT with Sand (ML):** dark grayish brown (2.5Y 4/2); wet; 75% silt, 25% fine grained sand; medium plasticity.		
64		B-37-19.5		20				20.0	Bottom of Boring @ 20 fbg

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-38
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	17-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	21-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	10.00 fbg (21-Dec-10) ▽
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Airknifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	
					GM		**Silty GRAVEL with Sand (GM FILL):** dark yellowish brown (10YR 4/4); dry; 5% clay, 15% silt, 30% fine to coarse grained sand, 50% fine to coarse gravel; nonplastic.		
8		B-38- 5		5	SM		**Silty SAND (SM):** greenish black (10Y 2.5/1); moist; 30% silt, 65% fine to coarse sand, 5% fine gravel; nonplastic.	5.0	
5		B-38- 8.5							
442		B-38- 10		10			@ 10' - wet. ▽		Portland Type I/II
					ML		**SILT with Sand (ML):** dark greenish gray (5GY 4/1); dry; 10% clay, 75% silt, 10% fine grained sand, 5% fine gravel; low plasticity.	12.0	
52		B-38- 15		15			@ 14' - brown (10YR 5/3); 5% clay, 70% silt, 15% fine to coarse grained sand, 10% fine to coarse gravel.		
							@ 16' - wet.	17.5	
					SM		**SAND with Silt and Gravel (SW-SM):** brown (10YR 5/3); wet; 10% silt, 75% fine to coarse grained sand, 15% fine to coarse gravel; nonplatic.	18.5	
1		B-38- 19.5		20	ML		**SILT (ML):** yellowish brown (10YR 5/6); moist; 20% clay, 70% silt, 5% fine to coarse grained sand, 5% fine to coarse grained gravel; medium plasticity.	20.0	Bottom of Boring @ 20 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407--1240781~1\2439F3~1\240781.GPJ DEFAULT.GDT 3/3/11

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-39
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	17-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	21-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	5.00 fbg (21-Dec-10) ▽
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Airknifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	
							GRAVEL with Silt and Sand (FILL): pale brown (10YR 6/3); dry; 10% silt, 35% fine to coarse grained sand, 55% fine to coarse grained gravel; nonplastic.	1.0	
					ML		**SILT with Sand (ML):** very dark brown (10YR 2/2); dry; 15% clay, 70% silt, 10% fine to coarse grained sand, 5% fine gravel; medium plasticity. @ 3' - **SILT (ML):** brown (10YR 4/3); 30% clay, 70% silt. ▽	5.0	
46		B-39- 5		5	SM		**Silty SAND (SM):** greenish black (10Y 2.5-1); wet; 15% silt, 75% fine to coarse grained sand, 10% fine gravel; nonplatic.	6.5	
					ML		**SILT with Sand (ML):** dark greenish gray (5GY 4/1); moist; 15% clay, 70% silt, 15% fine grained sand; medium plasticity.	7.0	
335		B-39- 8.5			SW		**SAND (SW):** greenish black (10Y 2.5/1); moist; 5% silt, 85% fine to coarse sand, 10% fine to coarse gravel; nonplastic.	9.0	
546		B-39- 10		10	ML		**SILT (ML):** dark greenish gray (10Y 3/1); moist; 10% clay, 85% silt, 5% fine grained sand; medium plasticity.	10.5	Portland Type I/II
					SP		**SAND (SP):** very dusky red (10R 2.5/2); moist; 100% fine to coarse grained sand; nonplastic.	11.0	
					ML		**Sandy SILT (ML):** dark greenish gray (5GY 3/1); moist; 65% silt, 25% fine grained sand, 10% fine gravel; low plasticity. @ 12' - light olive brown (2.5Y 5/3); mottled.	15.0	
118		B-39- 15		15	GW		**GRAVEL with Silt and Sand (GW):** olive brown (2.5Y 4/3); moist; 10% silt, 35% fine to coarse grained sand, 55% fine to coarse grained gravel; nonplastic; mottled. @ 17' - wet.	18.0	
					ML		**SILT with Sand (ML):** yellowish brown (10YR 5/6); wet; 5% clay, 70% silt, 25% fine grained sand; medium plasticity.	20.0	
17		B-39- 19.5		20					Bottom of Boring @ 20 fbg

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-40
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	14-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	21-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	5.00 fbg (21-Dec-10)
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA
REMARKS	Airknifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	
							GRAVEL with Silt and Sand (FILL): pale brown (10YR 6/3); dry; 10% silt, 35% fine to coarse grained sand, 55% fine to coarse grained gravel; nonplastic.	1.0	
					ML		**SILT with Sand (ML):** dark yellowish brown (10YR 3/4); dry; 5% clay, 75% silt, 10% fine grained sand, 10% fine gravel; medium plasticity.		
							▽	5.0	
79		B-40- 5		5	SM		**Silty SAND (SM):** black (N 2.5/); wet; 15% silt, 80% fine to coarse grained sand, 5% fine gravel; nonplastic.	7.0	
					ML		**SILT (ML):** greenish gray (10Y 5/1); wet; 10% clay, 85% silt, 5% fine grained sand; medium plasticity.	9.0	
690		B-40- 10		10	SP		**SAND (SP):** dusky red (2.5YR 3/2); wet; 100% fine to coarse grained sand; nonplastic.	11.0	◄ Portland Type I/II
670		B-40- 12.5			ML		**SILT with Sand (ML):** dark greenish gray (5GY 4/1); moist; 5% clay, 75% silt, 15% fine grained sand, 5% fine gravel; medium plasticity. @ 13' - olive brown (2.5Y 4/4); 5% clay, 70% silt, 15% fine to coarse sand, 10% fine to coarse gravel.	15.0	
96		B-40- 15		15	SM		**Silty SAND (SM):** olive brown (2.5Y 4/3); moist; 5% clay, 20% silt, 65% fine to coarse grained sand, 10% fine to coarse gravel; nonplastic. @ 18' - brown (7.5Y 4/4); wet; 5% clay, 35% silt, 60% fine grained sand.	19.0	
17		B-40- 19.5		20	ML		**SILT (ML):** strong brown (7.5Y 4/6); wet; 15% clay, 75% silt, 10% fine grained sand; medium plasticity.	20.0	Bottom of Boring @ 20 fbg

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-41
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	15-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	20-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	17.00 fbg (20-Dec-10) ▽
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Airknifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	
							GRAVEL with Silt and Sand (FILL): pale brown (10YR 6/3); dry; 10% silt, 35% fine to coarse grained sand, 55% fine to coarse grained gravel; nonplastic.	1.0	
					ML		**SILT with Sand (ML):** grayish brown (2.5Y 5/2); dry; 10% clay, 75% silt, 10% fine grained sand, 5% fine gravel; medium plasticity.	5.0	
898		B-41-5		5	SW		**SAND with Silt and Gravel (SW):** black (2.5Y 2/1); moist; 5% clay, 5% silt, 70% fine to coarse grained sand, 20% fine to coarse gravel; nonplastic; mottled.	9.0	
120		B-41-8.5							
226		B-41-10		10	ML		**SILT (ML):** grayish brown (2.5YR 5/2); dry; 20% clay, 75% silt, 5% fine grained sand; medium plasticity.		Portland Type I/II
							@ 12' - **SILT with Sand (ML):** 10% clay, 70% silt, 20% fine grained sand.	13.0	
					GW GM		**GRAVEL with Silt and Sand (GW-GM):** brown (10YR 5/3); dry; 10% silt, 20% fine to coarse grained sand, 70% fine to coarse gravel; nonplastic.	14.5	
5		B-41-15		15	ML		**SILT with Sand (ML):** brown (10YR 4/3); dry; 10% clay, 70% silt, 15% fine to coarse grained sand, 5% fine gravel; medium plasticity.	16.0	
					SW		**SAND with Gravel (SW):** dark yellowish brown (10YR 4/6); moist; 5% silt, 70% fine to coarse grained sand, 25% fine to coarse gravel; nonplastic. ▽ @ 17' - wet.	20.0	
4		B-41-19.5		20					Bottom of Boring @ 20 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407-\240781-1\2439F3-1\240781.GPJ DEFAULT.GDT 3/3/11

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-42
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	15-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	20-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	13.50 fbg (20-Dec-10) ▽
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Airknifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	
							GRAVEL with Sand (FILL): pale brown (10YR 6/3); dry; 10% silt, 35% fine to coarse grained sand, 55% fine to coarse grained gravel; nonplastic.	1.0	
					ML		**SILT with Sand (ML):** black (10YR 2/1); moist; 15% clay, 75% silt, 10% fine grained sand; medium plasticity.	5.0	
61		B-42- 5		5	SW SM		**SAND (SW-SM):** greenish black (10Y 2.5/1); moist; 10% silt, 80% fine to coarse grained sand, 10% fine gravel; nonplastic.	6.0	
					SP		**SAND (SP):** dusky red (7.5R 3/3); moist; 100% medium to coarse sand; nonplastic.		
752		B-42- 10		10					Portland Type I/II
					SW SM		**SAND with Silt and Gravel (SW-SM):** black (N 2.5/); moist; 10% silt, 65% fine to coarse grained sand, 25% fine gravel; nonplastic. ▽	12.5	
							@ 13.5' - wet.	14.0	
89		B-42- 15		15	SM		**Silty SAND (SM):** dark grayish brown (2.5Y 4/2); moist; 25% silt, 65% fine to coarse grained sand, 10% fine to coarse gravel; nonplastic.	16.5	
					GM		**Silty GRAVEL with Sand (GM):** dark grayish brown (10YR 4/2); moist; 15% silt, 20% fine to coarse grained sand, 65% fine gravel; nonplastic.	18.0	
					ML		**SILT with Sand (ML):** dark yellowish brown (10YR 4/4); moist; 10% clay, 75% silt, 15% fine grained sand; medium plasticity.		
5		B-42- 19.5		20				20.0	Bottom of Boring @ 20 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407--\240781--1\2439F3~1\240781.GPJ DEFAULT.GDT 3/3/11

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-43
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	15-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	20-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	15.00 fbg (20-Dec-10)
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA
REMARKS	Airknifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	
							GRAVEL with Silt and Sand (FILL): pale brown (10YR 6/3); dry; 10% silt, 35% fine to coarse grained sand, 55% fine to coarse grained gravel; nonplastic.	1.0	
							SILT with Sand (ML): very dark grayish brown (10YR 3/2); moist; 5% clay, 75% silt, 10% fine to coarse grained sand, 10% fine to coarse gravel; medium plasticity. @ 3' - rocks to 10"		
97		B-43- 5		5	ML		@ 5' - **Sandy SILT (ML):** greenish black (10Y 2.5/1); moist; 5% clay, 60% silt, 30% fine grained sand, 5% fine gravel.		
								8.0	
					SM		**Silty SAND (SM):** greenish black (10Y 2.5/1); moist; 5% clay, 20% silt, 65% fine to coarse grained sand, 10% fine to coarse gravel; medium plasticity.		Portland Type I/II
684		B-43- 10		10				11.0	
					SW		**SAND with Gravel (SW):** dark greenish gray (10Y 4/1); moist; 5% silt, 60% fine to coarse grained sand, 25% fine to coarse gravel; nonplastic.	12.0	
757					SM		**Silty SAND (SM):** dark greenish gray (10Y 4/1); moist; 15% silt, 75% fine to coarse grained sand, 10% fine gravel; nonplastic.	13.0	
					ML		**SILT with Gravel (ML):** light olive brown (10YR 5/3); moist; 75% silt, 10% fine to coarse grained sand, 15% fine to coarse gravel; low plasticity.	15.0	
11		B-43- 15		15			@ 14' - **Sandy SILT (ML):** 55% silt, 40% fine grained sand, 5% fine gravel; nonplastic.		
					SW		**SAND with Gravel (SW):** olive brown (2.5Y 4/3); moist; 5% silt, 65% fine to coarse grained sand, 30% fine to coarse gravel; nonplastic.	18.0	
					ML		**Sandy SILT (ML):** yellowish brown (10YR 5/4); moist; 5% clay, 65% silt, 30% fine grained sand; medium plasticity.	18.5	
1		B-43- 19.5		20	SM		**Silty SAND (SM):** yellowish brown (10YR 5/6); wet; 15% silt, 75% fine to coarse grained sand, 10% fine to coarse gravel; nonplastic.	20.0	Bottom of Boring @ 20 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407--\240781--1\2439F3~1\240781.GPJ DEFAULT.GDT 3/3/11

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-44
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	15-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	20-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	10.50 fbg (01-Dec-10) ▽
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Airknifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	
							GRAVEL with Silt and Sand (FILL): pale brown (10YR 6/3); dry; 10% silt, 35% fine to coarse grained sand, 55% fine to coarse grained gravel; nonplastic.	1.0	
							SILT with Sand (ML): very dark grayish brown (10YR 3/2); dry; 10% clay, 75% silt, 10% fine grained sand, 5% fine gravel; medium plasticity.		
							@ 2.5' - **SILT (ML):** black (10YR 2/1); 25% clay, 75% silt.		
4		B-44- 5		5	ML		@ 5' - dark greenish gray (5GY 4/1); moist; 20% clay, 70% silt, 10% fine grained sand.		
48		B-44- 10		10			▽	10.5	Portland Type I/II
					SM		**Silty SAND with Gravel (SM):** dark grayish brown (2.5Y 4/2); wet; 15% silt, 65% fine to coarse grained sand, 20% fine gravel; nonplastic.	14.0	
					ML		**Sandy SILT (ML):** ligh olive brown (2.5Y 5/3); wet; 5% clay, 65% silt, 25% fine to coarse grained sand, 5% fine to coarse gravel; medium plasticity.	15.0	
1		B-44- 15		15	SM		**Silty SAND with Gravel (SM):** dark yellowish brown (10YR 4/4); wet; 5% clay, 25% silt, 55% fine to coarse grained sand, 15% fine to coarse gravel; nonplastic.	17.5	
					SW SM		**SAND with Silt (SW-SM):** dark yellowish brown (10YR 4/4); wet; 10% silt, 80% fine to coarse grained sand, 10% fine gravel; nonplastic.	19.0	
0		B-44- 19.5		20	ML		**SILT with Sand (ML):** dark yellowish brown (10YR 4/4); wet; 5% clay, 70% silt, 25% fine to coarse sand; medium plasticity.	20.0	Bottom of Boring @ 20 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407--\240781~1\2439F3~1\240781.GPJ DEFAULT.GDT 3/3/11

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-45
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	15-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	21-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	5.00 fbg (21-Dec-10) ▽
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Airknifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	
							GRAVEL with Silt and Sand (FILL): pale brown (10YR 6/3); dry; 10% silt, 35% fine to coarse grained sand, 55% fine to coarse grained gravel; nonplastic.	1.0	
							SILT (ML): very dark grayish brown (10YR 3/2); dry; 15% clay, 75% silt, 10% fine grained sand; medium plasticity.		
							@ 2.5' - 30% clay, 70% silt.		
2		B-45- 5		5	ML		@ 5' - **SILT with Sand (ML):** dark greenish gray (5GY 4/1); wet; 10% clay, 65% silt, 25% fine grained sand. ▽		
							@ 9' - **SILT (ML):** greenish gray (10GY 5/1); moist; 10% clay, 80% silt, 10% fine grained sand.		
21		B-45- 10		10					Portland Type I/II
								11.5	
					SM		**Silty SAND (SM):** greenish gray (10GY 5/1); moist; 20% silt, 75% fine to coarse grained sand, 5% fine gravel; nonplastic; mottled.		
							@12.5' - **Silty SAND with Gravel (SM):** yellowish brown (10YR 5/4); 15% silt, 70% fine to coarse grained sand, 15% fine to coarse gravel.	14.0	
0		B-45- 15		15	ML		**SILT with Sand (ML):** yellowish brown (10YR 5/4); moist; 15% clay, 70% silt, 10% fine grained sand, 5% fine gravel; medium plasticity.	16.0	
					SW SM		**SAND with Silt and Gravel (SW-SM):** dark yellowish brown (10YR 4/4); moist; 10% silt, 65% fine to coarse grained sand, 25% fine to coarse gravel; nonplastic.	18.0	
					ML		**Sandy SILT (ML):** yellowish brown (10YR 5/4); moist; 5% clay, 65% silt, 20% fine to coarse grained sand, 10% fine gravel; medium plasticity.		
0		B-45- 19.5		20				20.0	Bottom of Boring @ 20 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407--1240781~1\2439F3~1\240781.GPJ DEFAULT.GDT 3/3/11

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-46
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	15-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	21-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	5.00 fbg (21-Dec-10) ▽
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Airknifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	
							GRAVEL with Silt and Sand (FILL): pale brown (10YR 6/3); dry; 10% silt, 35% fine to coarse grained sand, 55% fine to coarse grained gravel; nonplastic.	1.0	
					ML		**SILT (ML):** very dark grayish brown (10YR 3/2); dry; 10% clay, 80% silt, 10% fine grained sand; medium plasticity.		
							▽	5.0	
295		B-46- 5		5			**Silty SAND (SM):** greenish black (10Y 2.5/1); wet; 20% silt, 75% fine to medium grained sand, 5% fine gravel; nonplastic.		
35		B-46- 8.5			SM				
10		B-46- 10		10					Portland Type I/II
								12.0	
					ML		**SILT with Sand (ML):** dark yellowish brown (10YR 4/6); moist; 10% clay, 75% silt, 10% fine to coarse grained sand, 5% fine gravel; medium plasticity.		
								14.0	
1		B-46- 15		15	SM		**Silty SAND (SM):** yellowish brown (10YR 5/4); moist; 15% silt, 80% fine to coarse grained sand, 5% fine gravel; nonplastic.	16.0	
					SW		**SAND with Gravel (SW):** yellowish brown (10YR 5/4); moist; 5% silt, 70% fine to coarse grained sand, 25% fine gravel; nonplastic.	17.5	
					ML		**SILT with Sand (ML):** dark yellowish brown (10YR 4/4); wet; 5% clay, 70% silt, 20% fine to coarse grain sand; 5% fine gravel; medium plasticity.		
0		B-46- 19.5		20			@ 18' - **SILT (ML):** moist; 15% clay, 80% silt, 5% fine grained sand.	20.0	Bottom of Boring @ 20 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407--\240781--\12439F3~1\240781.GPJ DEFAULT.GDT 3/3/11

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-47
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	15-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	21-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	13.00 fbg (21-Dec-10)
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA
REMARKS	Airknifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	
							GRAVEL with Silt and Sand (FILL): pale brown (10YR 6/3); dry; 10% silt, 35% fine to coarse grained sand, 55% fine to coarse grained gravel; nonplastic.	1.0	
							SILT with Sand (ML): very dark grayish brown (10YR 3/2); dry; 10% clay, 75% silt, 10% fine grained sand, 5% fine gravel; medium plasticity. @ 2.5' - **SILT (ML):** 30% clay, 70% silt.		
2		B-47-5		5	ML		@ 5' - greenish gray (5GY 5/1); 25% clay, 75% silt; low plasticity.		
							@ 8' - brown (10YR 4/3); mottled.		
31		B-47-10		10	SM		**Silty SAND (SM):** greenish gray (5GY 5/1); dry; 5% clay, 15% silt, 75% fine to coarse grained sand, 5% fine gravel; nonplastic; mottled.	10.0	Portland Type I/II
					GW GM		**GRAVEL with Silt and Sand (GW-GM):** greenish gray (5GY 5/1); moist; 10% silt, 30% fine to coarse grained sand, 60% fine to coarse gravel; nonplastic.	12.0	
0		B-47-15		15	SM		**Silty SAND (SM):** brown (7.5YR 4/4); wet; 10% clay, 20% silt, 65% fine grained sand, 5% fine gravel; nonplastic.	13.0	
					SM		**Silty SAND with Gravel (SM):** dark yellowish brown (10YR 4/4); wet; 5% clay, 25% silt, 50% fine to coarse grained sand, 20% fine to coarse gravel; nonplastic.	16.5	
0		B-47-19.5		20	ML		**SILT with Sand (ML):** yellowish brown (10YR 5/4); moist; 15% clay, 70% silt, 10% fine to coarse grained sand, 5% fine gravel; medium plasticity.	19.0 20.0	Bottom of Boring @ 20 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407-1240781-112439F3-1240781.GPJ DEFAULT.GDT 3/3/11

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

BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-48
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	15-Dec-10
LOCATION	2703 Martin Luther King Jr. Way, Oakland, CA	**DRILLING COMPLETED**	21-Dec-10
PROJECT NUMBER	240781	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services, C-57 #916085	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	C. Orlowski	**DEPTH TO WATER (First Encountered)**	10.00 fbg (21-Dec-10) ▽
REVIEWED BY	P. Schaefer PG#5621	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Airknifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	
							GRAVEL with Silt and Sand (FILL): pale brown (10YR 6/3); dry; 10% silt, 35% fine to coarse grained sand, 55% fine to coarse grained gravel; nonplastic.	1.0	
							SILT with Sand (ML): dark grayish brown (10YR 4/2); dry; 10% clay, 75% silt, 10% fine grained sand, 5% fine gravel; medium plasticity.		
							@ 2.5' - **SILT (ML):** 25% clay, 75% silt.		
2		B-48- 5		5	ML		@ 5' - greenish gray (5GY 5/1).		
							@ 8' - **SILT with Sand (ML):** 15% clay, 60% silt, 15% fine to coarse grained sand, 10% fine gravel; low plasticity.		
							▽	10.0	Portland Type I/II
336		B-48- 10		10	SM		**Silty SAND (SM):** very dark greenish gray (5GY 3/1); wet; 15% silt, 75% fine to coarse grained sand, 10% fine gravel; nonplastic.	12.0	
							SILT with Sand (ML): dark yellowish brown (10YR 4/4); moist; 15% clay, 70% silt, 10% fine grained sand, 5% fine gravel; medium plasticity.		
					ML				
2		B-48- 15		15			@ 15' - **Sandy SILT (ML):** wet; 5% clay, 65% silt, 25% fine to coarse grained sand, 5% fine gravel; low plasticity.	16.5	
					GW GM		**GRAVEL with Silt and Sand (GW-GM):** dark yellowish brown (10YR 4/4); wet; 10% silt, 35% fine to coarse grained sand, 55% fine to coarse gravel; nonplastic.	18.0	
					SW		**SAND (SW):** yellowish brown (10YR 5/6); wet; 5% silt, 85% fine to coarse grained sand, 10% fine gravel; nonplastic.	18.5	
0		B-48- 19.5		20	ML		**SILT with Sand (ML):** yellowish brown (10YR 5/6); moist; 15% clay, 70% silt, 15% fine grained sand; medium plasticity.	20.0	Bottom of Boring @ 20 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2407--\240781~1\2439F3~1\240781.GPJ DEFAULT.GDT 3/3/11

APPENDIX C

WASTE DISPOSAL MANIFESTS

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NOT REQUIRED
2. Page 1 of 1
3. Emergency Response Phone: 800-424-9300
4. Waste Tracking Number: 215005

5. Generator's Name and Mailing Address:
Shell Oil Products US
One Shell Plaza, 910 Louisiana, Room 6555, Houston, TX 77002

Generator's Site Address (if different than mailing address):
2703 Martin Luther King Way
Oakland, CA 94612

Generator's Phone:

6. Transporter 1 Company Name: American Integrated Services, Inc.
U.S. EPA ID Number: CAR000148338

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
Keller Canyon Landfill
901 Bailey Road
Pittsburg, CA 94565 925-458-9800
U.S. EPA ID Number: Not Required

Facility's Phone.

9a.	9b. U.S. DOT Description (including Proper Shipping Name)	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol
	1. Non-Hazardous Waste Solid (Soil)	5	DM	2000	P
	2.				
	3.				
	4.				

13. Special Handling Instructions and Additional Information

Wear protective equipment while handling. Weights or volumes are approximate. 24 hour emergency number (800) 424-9300 Chemtrec.

RIPR#: 86914
SAP#: 129449
Incident#: 97093397
Profile#: 4212107702
Project #: 71008-2-9

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste

Generator's/Offeror's Printed/Typed Name: AIS on behalf of SOPUS - J Sherman
Signature:
Month Day Year: 1 / 13 / 11

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: ____
Transporter Signature (for exports only): Date leaving U.S.: ____

16. Transporter Acknowledgement of Receipt of Materials

Transporter 1 Printed/Typed Name: Rigo Valencia
Signature: [signature]
Month Day Year: 01 / 13 / 11

Transporter 2 Printed/Typed Name: American Integrated Services Inc
Signature: [illegible]
Month Day Year:

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Felipe Corongo
Signature: [signature]
Month Day Year: 01 / 13 / 11

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

69-BLC-O 5 11977 (Rev. 9/09)

TRANSPORTER #1

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NOT REQUIRED

2. Page 1 of 1

3. Emergency Response Phone: 800-424-9300

4. Waste Tracking Number: 215006

5. Generator's Name and Mailing Address: Shell Oil Products US
One Shell Plaza, 910 Louisiana, Room #655, Houston, TX 77002

Generator's Site Address (if different than mailing address): 2703 Martin Luther King Way
Oakland, CA 94612

Generator's Phone:

6. Transporter 1 Company Name: American Integrated Services, Inc — U.S. EPA ID Number: CAR000148338

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Crosby & Overton, Inc.
1830 W. 16th Street
Long Beach, CA 90813 — U.S. EPA ID Number: CAD028409019

Facility's Phone: 562-432-5445

9a.	9b. U.S. DOT Description (including Proper Shipping Name)	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. Non-Hazardous Waste Liquid (Sludge)	1	TT DM	500	G
	2.				
	3.				
	4.				

13. Special Handling Instructions and Additional Information

Wear protective equipment while handling. Weights or volumes are approximate. 24 hour emergency number (800) 424-9300 Chemtrec.

RIPR#: 86015
SAP#: 129440
Incident#: 97093387
Profile#: 27578
Project #: 71006-2-9

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: AIS on behalf of SOPUS - J Sherman — Signature: [signature] — Month/Day/Year: 01/13/11

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgement of Receipt of Materials

Transporter 1 Printed/Typed Name: Rigo Valencia — Signature: [signature] — Month/Day/Year: 01/13/11

Transporter 2 Printed/Typed Name: — Signature: — Month/Day/Year:

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number:

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month/Day/Year:

HB5

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: L Numa — Signature: [signature] — Month/Day/Year: 02/01/11

C-O 5 11977 (Rev. 9/09)

TRANSPORTER #1

APPENDIX D

CERTIFIED ANALYTICAL REPORTS

Calscience
Environmental
Laboratories, Inc.

December 28, 2010

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

Subject: **Calscience Work Order No.: 10-12-1226**
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 12/15/2010 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/15/10
Work Order No: 10-12-1226
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-10-0	10-12-1226-1-A	12/13/10 09:40	Solid	GC 46	12/16/10	12/16/10 22:05	101216B06

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	150	20	4		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	131	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-10-1	10-12-1226-2-A	12/13/10 09:42	Solid	GC 46	12/16/10	12/16/10 22:21	101216B06

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	430	25	5		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	140	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-10-4.5	10-12-1226-3-A	12/13/10 09:45	Solid	GC 46	12/16/10	12/16/10 22:36	101216B06

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	120	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-9-0	10-12-1226-4-A	12/13/10 10:00	Solid	GC 46	12/16/10	12/16/10 22:52	101216B06

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	140	25	5		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	130	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: 12/15/10
Work Order No: 10-12-1226
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-9-1	10-12-1226-5-A	12/13/10 10:05	Solid	GC 46	12/16/10	12/16/10 23:07	101216B06

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	109	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-9-4.5	10-12-1226-6-A	12/13/10 10:20	Solid	GC 46	12/16/10	12/16/10 23:22	101216B06

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	132	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-11-0	10-12-1226-7-A	12/13/10 10:30	Solid	GC 46	12/16/10	12/16/10 23:38	101216B06

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	120	20	4		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	142	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-11-1	10-12-1226-8-A	12/13/10 10:35	Solid	GC 46	12/16/10	12/16/10 23:53	101216B06

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	116	61-145	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	12/15/10
5900 Hollis Street, Suite A	Work Order No:	10-12-1226
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-11-4.5	10-12-1226-9-A	12/13/10 10:40	Solid	GC 46	12/16/10	12/17/10 00:39	101216B06

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	121	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-12-0	10-12-1226-10-A	12/13/10 10:50	Solid	GC 46	12/16/10	12/17/10 00:55	101216B06

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

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	39	5.0	1		mg/kg

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-12-1	10-12-1226-11-A	12/13/10 10:55	Solid	GC 46	12/16/10	12/17/10 01:10	101216B06

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

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	39	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	122	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-12-4.5	10-12-1226-12-A	12/13/10 11:05	Solid	GC 46	12/16/10	12/17/10 01:25	101216B06

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	121	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: 12/15/10
Work Order No: 10-12-1226
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-13-0	10-12-1226-13-A	12/13/10 11:10	Solid	GC 46	12/16/10	12/17/10 01:41	101216B06

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	210	50	10		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	131	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-13-1	10-12-1226-14-A	12/13/10 11:20	Solid	GC 46	12/16/10	12/17/10 01:56	101216B06

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	7.8	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	116	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-13-4.5	10-12-1226-15-A	12/13/10 11:25	Solid	GC 46	12/16/10	12/17/10 02:12	101216B06

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		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
Method Blank	099-12-025-1,619	N/A	Solid	GC 46	12/16/10	12/16/10 19:46	101216B06

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	113	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: 12/15/10
Work Order No: 10-12-1226
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-10-0	10-12-1226-1-A	12/13/10 09:40	Solid	GC 46	12/16/10	12/16/10 22:05	101216B07

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
TPH as Motor Oil	370	100	4		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	131	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-10-1	10-12-1226-2-A	12/13/10 09:42	Solid	GC 46	12/16/10	12/16/10 22:21	101216B07

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	1200	120	5		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	140	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-10-4.5	10-12-1226-3-A	12/13/10 09:45	Solid	GC 46	12/16/10	12/16/10 22:36	101216B07

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	120	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-9-0	10-12-1226-4-A	12/13/10 10:00	Solid	GC 46	12/16/10	12/16/10 22:52	101216B07

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	470	120	5		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	130	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: 12/15/10
Work Order No: 10-12-1226
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-9-1	10-12-1226-5-A	12/13/10 10:05	Solid	GC 46	12/16/10	12/16/10 23:07	101216B07

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	26	25	1		mg/kg

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-9-4.5	10-12-1226-6-A	12/13/10 10:20	Solid	GC 46	12/16/10	12/16/10 23:22	101216B07

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	132	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-11-0	10-12-1226-7-A	12/13/10 10:30	Solid	GC 46	12/16/10	12/16/10 23:38	101216B07

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
TPH as Motor Oil	340	100	4		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	142	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-11-1	10-12-1226-8-A	12/13/10 10:35	Solid	GC 46	12/16/10	12/16/10 23:53	101216B07

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	116	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: 12/15/10
Work Order No: 10-12-1226
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-11-4.5	10-12-1226-9-A	12/13/10 10:40	Solid	GC 46	12/16/10	12/17/10 00:39	101216B07

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	121	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-12-0	10-12-1226-10-A	12/13/10 10:50	Solid	GC 46	12/16/10	12/17/10 00:55	101216B07

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	120	25	1		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-12-1	10-12-1226-11-A	12/13/10 10:55	Solid	GC 46	12/16/10	12/17/10 01:10	101216B07

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	130	25	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	122	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-12-4.5	10-12-1226-12-A	12/13/10 11:05	Solid	GC 46	12/16/10	12/17/10 01:25	101216B07

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	121	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: 12/15/10
Work Order No: 10-12-1226
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-13-0	10-12-1226-13-A	12/13/10 11:10	Solid	GC 46	12/16/10	12/17/10 01:41	101216B07

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	920	250	10		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	131	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-13-1	10-12-1226-14-A	12/13/10 11:20	Solid	GC 46	12/16/10	12/17/10 01:56	101216B07

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	116	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-13-4.5	10-12-1226-15-A	12/13/10 11:25	Solid	GC 46	12/16/10	12/17/10 02:12	101216B07

Parameter	Result	RL	DF	Qual	Units
TPH as Motor Oil	ND	25	1		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
Method Blank	099-12-254-1,796	N/A	Solid	GC 46	12/16/10	12/16/10 19:46	101216B07

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	113	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: 12/15/10
Work Order No: 10-12-1226
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-10-0	10-12-1226-1-A	12/13/10 09:40	Solid	GC/MS BBB	12/15/10	12/17/10 14:00	101215L12

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.10	5		Pyrene	0.22	0.10	5	
2-Methylnaphthalene	ND	0.10	5		Benzo (a) Anthracene	0.11	0.10	5	
1-Methylnaphthalene	ND	0.10	5		Chrysene	0.17	0.10	5	
Acenaphthylene	ND	0.10	5		Benzo (k) Fluoranthene	0.11	0.10	5	
Acenaphthene	ND	0.10	5		Benzo (b) Fluoranthene	0.15	0.10	5	
Fluorene	ND	0.10	5		Benzo (a) Pyrene	0.14	0.10	5	
Phenanthrene	0.11	0.10	5		Indeno (1,2,3-c,d) Pyrene	0.14	0.10	5	
Anthracene	ND	0.10	5		Dibenz (a,h) Anthracene	ND	0.10	5	
Fluoranthene	0.17	0.10	5		Benzo (g,h,i) Perylene	0.22	0.10	5	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
2-Fluorobiphenyl	102	14-146			Nitrobenzene-d5	91	18-162		
p-Terphenyl-d14	96	34-148							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-10-1	10-12-1226-2-A	12/13/10 09:42	Solid	GC/MS BBB	12/15/10	12/16/10 21:56	101215L12

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	0.020	0.020	1		Pyrene	0.24	0.020	1	
2-Methylnaphthalene	ND	0.020	1		Benzo (a) Anthracene	0.12	0.020	1	
1-Methylnaphthalene	ND	0.020	1		Chrysene	0.15	0.020	1	
Acenaphthylene	ND	0.020	1		Benzo (k) Fluoranthene	0.094	0.020	1	
Acenaphthene	ND	0.020	1		Benzo (b) Fluoranthene	0.11	0.020	1	
Fluorene	ND	0.020	1		Benzo (a) Pyrene	0.16	0.020	1	
Phenanthrene	0.098	0.020	1		Indeno (1,2,3-c,d) Pyrene	0.10	0.020	1	
Anthracene	0.030	0.020	1		Dibenz (a,h) Anthracene	0.022	0.020	1	
Fluoranthene	0.20	0.020	1		Benzo (g,h,i) Perylene	0.14	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
2-Fluorobiphenyl	71	14-146			Nitrobenzene-d5	72	18-162		
p-Terphenyl-d14	73	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: 12/15/10
Work Order No: 10-12-1226
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-10-4.5	10-12-1226-3-A	12/13/10 09:45	Solid	GC/MS BBB	12/15/10	12/16/10 16:54	101215L12

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.020	1		Pyrene	ND	0.020	1	
2-Methylnaphthalene	ND	0.020	1		Benzo (a) Anthracene	ND	0.020	1	
1-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		Indeno (1,2,3-c,d) Pyrene	ND	0.020	1	
Anthracene	ND	0.020	1		Dibenz (a,h) Anthracene	ND	0.020	1	
Fluoranthene	ND	0.020	1		Benzo (g,h,i) Perylene	ND	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
2-Fluorobiphenyl	78	14-146			Nitrobenzene-d5	69	18-162		
p-Terphenyl-d14	83	34-148							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-9-0	10-12-1226-4-A	12/13/10 10:00	Solid	GC/MS BBB	12/15/10	12/17/10 14:25	101215L12

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.10	5		Pyrene	0.23	0.10	5	
2-Methylnaphthalene	ND	0.10	5		Benzo (a) Anthracene	0.12	0.10	5	
1-Methylnaphthalene	ND	0.10	5		Chrysene	0.15	0.10	5	
Acenaphthylene	ND	0.10	5		Benzo (k) Fluoranthene	0.10	0.10	5	
Acenaphthene	ND	0.10	5		Benzo (b) Fluoranthene	0.12	0.10	5	
Fluorene	ND	0.10	5		Benzo (a) Pyrene	0.14	0.10	5	
Phenanthrene	0.12	0.10	5		Indeno (1,2,3-c,d) Pyrene	0.10	0.10	5	
Anthracene	ND	0.10	5		Dibenz (a,h) Anthracene	ND	0.10	5	
Fluoranthene	0.19	0.10	5		Benzo (g,h,i) Perylene	0.15	0.10	5	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
2-Fluorobiphenyl	95	14-146			Nitrobenzene-d5	86	18-162		
p-Terphenyl-d14	96	34-148							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received: 12/15/10
5900 Hollis Street, Suite A	Work Order No: 10-12-1226
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-9-1	10-12-1226-5-A	12/13/10 10:05	Solid	GC/MS BBB	12/15/10	12/16/10 17:19	101215L12

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.020	1		Pyrene	0.14	0.020	1	
2-Methylnaphthalene	ND	0.020	1		Benzo (a) Anthracene	0.093	0.020	1	
1-Methylnaphthalene	ND	0.020	1		Chrysene	0.10	0.020	1	
Acenaphthylene	ND	0.020	1		Benzo (k) Fluoranthene	0.062	0.020	1	
Acenaphthene	ND	0.020	1		Benzo (b) Fluoranthene	0.071	0.020	1	
Fluorene	ND	0.020	1		Benzo (a) Pyrene	0.092	0.020	1	
Phenanthrene	0.091	0.020	1		Indeno (1,2,3-c,d) Pyrene	0.044	0.020	1	
Anthracene	0.027	0.020	1		Dibenz (a,h) Anthracene	ND	0.020	1	
Fluoranthene	0.14	0.020	1		Benzo (g,h,i) Perylene	0.057	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
2-Fluorobiphenyl	65	14-146			Nitrobenzene-d5	80	18-162		
p-Terphenyl-d14	70	34-148							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-9-4.5	10-12-1226-6-A	12/13/10 10:20	Solid	GC/MS BBB	12/15/10	12/16/10 17:44	101215L12

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.020	1		Pyrene	ND	0.020	1	
2-Methylnaphthalene	ND	0.020	1		Benzo (a) Anthracene	ND	0.020	1	
1-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		Indeno (1,2,3-c,d) Pyrene	ND	0.020	1	
Anthracene	ND	0.020	1		Dibenz (a,h) Anthracene	ND	0.020	1	
Fluoranthene	ND	0.020	1		Benzo (g,h,i) Perylene	ND	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
2-Fluorobiphenyl	73	14-146			Nitrobenzene-d5	74	18-162		
p-Terphenyl-d14	74	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: 12/15/10
Work Order No: 10-12-1226
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-11-0	10-12-1226-7-A	12/13/10 10:30	Solid	GC/MS BBB	12/15/10	12/17/10 14:50	101215L12

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.10	5		Pyrene	0.27	0.10	5	
2-Methylnaphthalene	ND	0.10	5		Benzo (a) Anthracene	0.11	0.10	5	
1-Methylnaphthalene	ND	0.10	5		Chrysene	0.17	0.10	5	
Acenaphthylene	ND	0.10	5		Benzo (k) Fluoranthene	0.10	0.10	5	
Acenaphthene	ND	0.10	5		Benzo (b) Fluoranthene	0.14	0.10	5	
Fluorene	ND	0.10	5		Benzo (a) Pyrene	0.16	0.10	5	
Phenanthrene	ND	0.10	5		Indeno (1,2,3-c,d) Pyrene	0.12	0.10	5	
Anthracene	ND	0.10	5		Dibenz (a,h) Anthracene	ND	0.10	5	
Fluoranthene	0.19	0.10	5		Benzo (g,h,i) Perylene	0.18	0.10	5	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
2-Fluorobiphenyl	88	14-146			Nitrobenzene-d5	81	18-162		
p-Terphenyl-d14	96	34-148							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-11-1	10-12-1226-8-A	12/13/10 10:35	Solid	GC/MS BBB	12/15/10	12/16/10 18:09	101215L12

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.020	1		Pyrene	0.070	0.020	1	
2-Methylnaphthalene	ND	0.020	1		Benzo (a) Anthracene	0.047	0.020	1	
1-Methylnaphthalene	ND	0.020	1		Chrysene	0.052	0.020	1	
Acenaphthylene	ND	0.020	1		Benzo (k) Fluoranthene	0.035	0.020	1	
Acenaphthene	ND	0.020	1		Benzo (b) Fluoranthene	0.027	0.020	1	
Fluorene	ND	0.020	1		Benzo (a) Pyrene	0.043	0.020	1	
Phenanthrene	0.048	0.020	1		Indeno (1,2,3-c,d) Pyrene	ND	0.020	1	
Anthracene	ND	0.020	1		Dibenz (a,h) Anthracene	ND	0.020	1	
Fluoranthene	0.074	0.020	1		Benzo (g,h,i) Perylene	0.024	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
2-Fluorobiphenyl	60	14-146			Nitrobenzene-d5	76	18-162		
p-Terphenyl-d14	63	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: 12/15/10
Work Order No: 10-12-1226
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-11-4.5	10-12-1226-9-A	12/13/10 10:40	Solid	GC/MS BBB	12/15/10	12/16/10 18:34	101215L12

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.020	1		Pyrene	ND	0.020	1	
2-Methylnaphthalene	ND	0.020	1		Benzo (a) Anthracene	ND	0.020	1	
1-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		Indeno (1,2,3-c,d) Pyrene	ND	0.020	1	
Anthracene	ND	0.020	1		Dibenz (a,h) Anthracene	ND	0.020	1	
Fluoranthene	ND	0.020	1		Benzo (g,h,i) Perylene	ND	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
2-Fluorobiphenyl	69	14-146			Nitrobenzene-d5	63	18-162		
p-Terphenyl-d14	77	34-148							

HA-12-0	10-12-1226-10-A	12/13/10 10:50	Solid	GC/MS BBB	12/15/10	12/16/10 18:59	101215L12

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	0.059	0.020	1		Pyrene	0.55	0.020	1	
2-Methylnaphthalene	0.042	0.020	1		Benzo (a) Anthracene	0.20	0.020	1	
1-Methylnaphthalene	0.029	0.020	1		Chrysene	0.25	0.020	1	
Acenaphthylene	0.048	0.020	1		Benzo (k) Fluoranthene	0.17	0.020	1	
Acenaphthene	ND	0.020	1		Benzo (b) Fluoranthene	0.18	0.020	1	
Fluorene	ND	0.020	1		Benzo (a) Pyrene	0.26	0.020	1	
Phenanthrene	0.26	0.020	1		Indeno (1,2,3-c,d) Pyrene	0.15	0.020	1	
Anthracene	0.055	0.020	1		Dibenz (a,h) Anthracene	0.035	0.020	1	
Fluoranthene	0.41	0.020	1		Benzo (g,h,i) Perylene	0.21	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
2-Fluorobiphenyl	79	14-146			Nitrobenzene-d5	79	18-162		
p-Terphenyl-d14	82	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: 12/15/10
Work Order No: 10-12-1226
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-12-1	10-12-1226-11-A	12/13/10 10:55	Solid	GC/MS BBB	12/15/10	12/16/10 19:24	101215L12

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.020	1		Pyrene	0.088	0.020	1	
2-Methylnaphthalene	ND	0.020	1		Benzo (a) Anthracene	0.050	0.020	1	
1-Methylnaphthalene	ND	0.020	1		Chrysene	0.057	0.020	1	
Acenaphthylene	ND	0.020	1		Benzo (k) Fluoranthene	0.040	0.020	1	
Acenaphthene	ND	0.020	1		Benzo (b) Fluoranthene	0.035	0.020	1	
Fluorene	ND	0.020	1		Benzo (a) Pyrene	0.045	0.020	1	
Phenanthrene	0.089	0.020	1		Indeno (1,2,3-c,d) Pyrene	0.025	0.020	1	
Anthracene	0.026	0.020	1		Dibenz (a,h) Anthracene	ND	0.020	1	
Fluoranthene	0.086	0.020	1		Benzo (g,h,i) Perylene	0.035	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
2-Fluorobiphenyl	93	14-146			Nitrobenzene-d5	87	18-162		
p-Terphenyl-d14	91	34-148							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-12-4.5	10-12-1226-12-A	12/13/10 11:05	Solid	GC/MS BBB	12/15/10	12/16/10 19:49	101215L12

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.020	1		Pyrene	ND	0.020	1	
2-Methylnaphthalene	ND	0.020	1		Benzo (a) Anthracene	ND	0.020	1	
1-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		Indeno (1,2,3-c,d) Pyrene	ND	0.020	1	
Anthracene	ND	0.020	1		Dibenz (a,h) Anthracene	ND	0.020	1	
Fluoranthene	ND	0.020	1		Benzo (g,h,i) Perylene	ND	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
2-Fluorobiphenyl	86	14-146			Nitrobenzene-d5	81	18-162		
p-Terphenyl-d14	90	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: 12/15/10
Work Order No: 10-12-1226
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-13-0	10-12-1226-13-A	12/13/10 11:10	Solid	GC/MS BBB	12/15/10	12/17/10 15:16	101215L12

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.10	5		Pyrene	0.42	0.10	5	
2-Methylnaphthalene	ND	0.10	5		Benzo (a) Anthracene	0.22	0.10	5	
1-Methylnaphthalene	ND	0.10	5		Chrysene	0.25	0.10	5	
Acenaphthylene	ND	0.10	5		Benzo (k) Fluoranthene	0.19	0.10	5	
Acenaphthene	ND	0.10	5		Benzo (b) Fluoranthene	0.18	0.10	5	
Fluorene	ND	0.10	5		Benzo (a) Pyrene	0.24	0.10	5	
Phenanthrene	0.26	0.10	5		Indeno (1,2,3-c,d) Pyrene	0.15	0.10	5	
Anthracene	ND	0.10	5		Dibenz (a,h) Anthracene	ND	0.10	5	
Fluoranthene	0.38	0.10	5		Benzo (g,h,i) Perylene	0.19	0.10	5	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
2-Fluorobiphenyl	99	14-146			Nitrobenzene-d5	95	18-162		
p-Terphenyl-d14	95	34-148							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
HA-13-1	10-12-1226-14-A	12/13/10 11:20	Solid	GC/MS BBB	12/15/10	12/16/10 20:15	101215L12

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.020	1		Pyrene	ND	0.020	1	
2-Methylnaphthalene	ND	0.020	1		Benzo (a) Anthracene	ND	0.020	1	
1-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		Indeno (1,2,3-c,d) Pyrene	ND	0.020	1	
Anthracene	ND	0.020	1		Dibenz (a,h) Anthracene	ND	0.020	1	
Fluoranthene	ND	0.020	1		Benzo (g,h,i) Perylene	ND	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
2-Fluorobiphenyl	76	14-146			Nitrobenzene-d5	78	18-162		
p-Terphenyl-d14	76	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: 12/15/10
Work Order No: 10-12-1226
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-13-4.5	10-12-1226-15-A	12/13/10 11:25	Solid	GC/MS BBB	12/15/10	12/16/10 20:40	101215L12

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.020	1		Pyrene	ND	0.020	1	
2-Methylnaphthalene	ND	0.020	1		Benzo (a) Anthracene	ND	0.020	1	
1-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		Indeno (1,2,3-c,d) Pyrene	ND	0.020	1	
Anthracene	ND	0.020	1		Dibenz (a,h) Anthracene	ND	0.020	1	
Fluoranthene	ND	0.020	1		Benzo (g,h,i) Perylene	ND	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
2-Fluorobiphenyl	83	14-146			Nitrobenzene-d5	78	18-162		
p-Terphenyl-d14	87	34-148							

Method Blank	099-06-010-1,048	N/A	Solid	GC/MS BBB	12/15/10	12/16/10 15:38	101215L12

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	0.020	1		Pyrene	ND	0.020	1	
2-Methylnaphthalene	ND	0.020	1		Benzo (a) Anthracene	ND	0.020	1	
1-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		Indeno (1,2,3-c,d) Pyrene	ND	0.020	1	
Anthracene	ND	0.020	1		Dibenz (a,h) Anthracene	ND	0.020	1	
Fluoranthene	ND	0.020	1		Benzo (g,h,i) Perylene	ND	0.020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
2-Fluorobiphenyl	94	14-146			Nitrobenzene-d5	83	18-162		
p-Terphenyl-d14	91	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: 12/15/10
Work Order No: 10-12-1226
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-10-0	10-12-1226-1-A	12/13/10 09:40	Solid	ICP 5300	12/15/10	12/16/10 18:20	101215L03

Parameter	Result	RL	DF	Qual	Units
Lead	1240	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-10-1	10-12-1226-2-A	12/13/10 09:42	Solid	ICP 5300	12/15/10	12/16/10 18:22	101215L03

Parameter	Result	RL	DF	Qual	Units
Lead	529	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-10-4.5	10-12-1226-3-A	12/13/10 09:45	Solid	ICP 5300	12/15/10	12/16/10 18:23	101215L03

Parameter	Result	RL	DF	Qual	Units
Lead	7.39	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-9-0	10-12-1226-4-A	12/13/10 10:00	Solid	ICP 5300	12/15/10	12/16/10 18:25	101215L03

Parameter	Result	RL	DF	Qual	Units
Lead	1410	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-9-1	10-12-1226-5-A	12/13/10 10:05	Solid	ICP 5300	12/15/10	12/16/10 18:26	101215L03

Parameter	Result	RL	DF	Qual	Units
Lead	357	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-9-4.5	10-12-1226-6-A	12/13/10 10:20	Solid	ICP 5300	12/15/10	12/16/10 18:30	101215L03

Parameter	Result	RL	DF	Qual	Units
Lead	5.53	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: 12/15/10
Work Order No: 10-12-1226
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-11-0	10-12-1226-7-A	12/13/10 10:30	Solid	ICP 5300	12/15/10	12/16/10 18:31	101215L03

Parameter	Result	RL	DF	Qual	Units
Lead	1950	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-11-1	10-12-1226-8-A	12/13/10 10:35	Solid	ICP 5300	12/15/10	12/16/10 18:33	101215L03

Parameter	Result	RL	DF	Qual	Units
Lead	166	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-11-4.5	10-12-1226-9-A	12/13/10 10:40	Solid	ICP 5300	12/15/10	12/16/10 18:34	101215L03

Parameter	Result	RL	DF	Qual	Units
Lead	73.2	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-12-0	10-12-1226-10-A	12/13/10 10:50	Solid	ICP 5300	12/15/10	12/16/10 18:36	101215L03

Parameter	Result	RL	DF	Qual	Units
Lead	4550	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-12-1	10-12-1226-11-A	12/13/10 10:55	Solid	ICP 5300	12/15/10	12/16/10 18:37	101215L03

Parameter	Result	RL	DF	Qual	Units
Lead	1150	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-12-4.5	10-12-1226-12-A	12/13/10 11:05	Solid	ICP 5300	12/15/10	12/16/10 18:39	101215L03

Parameter	Result	RL	DF	Qual	Units
Lead	9.25	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: 12/15/10
Work Order No: 10-12-1226
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-13-0	10-12-1226-13-A	12/13/10 11:10	Solid	ICP 5300	12/15/10	12/16/10 18:40	101215L03

Parameter	Result	RL	DF	Qual	Units
Lead	3940	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-13-1	10-12-1226-14-A	12/13/10 11:20	Solid	ICP 5300	12/15/10	12/16/10 18:41	101215L03

Parameter	Result	RL	DF	Qual	Units
Lead	291	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-13-4.5	10-12-1226-15-A	12/13/10 11:25	Solid	ICP 5300	12/15/10	12/16/10 18:43	101215L03

Parameter	Result	RL	DF	Qual	Units
Lead	498	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	097-01-002-14,437	N/A	Solid	ICP 5300	12/15/10	12/16/10 18:13	101215L03

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.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 12/15/10
5900 Hollis Street, Suite A	Work Order No: 10-12-1226
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 Prepared	Date Analyzed	MS/MSD Batch Number
HA-10-4.5	Solid	ICP 5300	12/15/10	12/16/10	101215S03

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	130	102	75-125	19	0-20	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 12/15/10
5900 Hollis Street, Suite A	Work Order No: 10-12-1226
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-10-4.5	Solid	GC 46	12/16/10	12/16/10	101216S06

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	124	119	64-130	4	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 12/15/10
5900 Hollis Street, Suite A	Work Order No: 10-12-1226
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
HA-10-4.5	Solid	GC 46	12/16/10	12/16/10	101216S07

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	121	124	64-130	3	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 12/15/10
Work Order No: 10-12-1226
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-10-4.5	Solid	GC/MS BBB	12/15/10	12/16/10	101215S12

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Naphthalene	83	99	15-171	18	0-44	
2-Methylnaphthalene	91	96	28-160	6	0-39	
1-Methylnaphthalene	84	84	28-154	0	0-40	
Acenaphthylene	79	79	27-153	0	0-41	
Acenaphthene	80	92	33-147	14	0-38	
Fluorene	83	91	12-180	9	0-33	
Phenanthrene	79	94	26-152	17	0-29	
Anthracene	62	64	10-145	3	0-25	
Fluoranthene	79	85	20-158	7	0-31	
Pyrene	83	86	11-191	4	0-31	
Benzo (a) Anthracene	81	83	36-150	2	0-32	
Chrysene	92	93	21-189	1	0-29	
Benzo (k) Fluoranthene	88	86	40-148	2	0-32	
Benzo (b) Fluoranthene	86	82	39-147	4	0-28	
Benzo (a) Pyrene	89	87	36-168	2	0-26	
Indeno (1,2,3-c,d) Pyrene	86	85	22-160	1	0-26	
Dibenz (a,h) Anthracene	85	84	27-147	1	0-30	
Benzo (g,h,i) Perylene	82	82	10-152	1	0-28	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 10-12-1226
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 Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-14,437	Solid	ICP 5300	12/15/10	12/16/10	101215L03

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	100	102	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received:	N/A
5900 Hollis Street, Suite A	Work Order No:	10-12-1226
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
099-12-025-1,619	Solid	GC 46	12/16/10	12/16/10	101216B06

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	109	97	75-123	11	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received:	N/A
Work Order No:	10-12-1226
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
099-12-254-1,796	Solid	GC 46	12/16/10	12/16/10	101216B07

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	100	104	75-123	5	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 10-12-1226
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
099-06-010-1,048	Solid	GC/MS BBB	12/15/10	12/16/10	101215L12

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Naphthalene	86	85	64-118	55-127	1	0-20	
2-Methylnaphthalene	89	89	55-127	43-139	0	0-20	
1-Methylnaphthalene	85	84	57-129	45-141	1	0-21	
Acenaphthylene	85	84	36-132	20-148	2	0-20	
Acenaphthene	86	85	61-121	51-131	0	0-20	
Fluorene	90	89	56-128	44-140	1	0-20	
Phenanthrene	84	84	56-122	45-133	0	0-20	
Anthracene	64	63	11-119	0-137	2	0-21	
Fluoranthene	85	84	56-122	45-133	1	0-20	
Pyrene	87	91	57-129	45-141	4	0-21	
Benzo (a) Anthracene	82	81	49-127	36-140	1	0-20	
Chrysene	93	90	60-126	49-137	3	0-20	
Benzo (k) Fluoranthene	85	89	54-138	40-152	4	0-22	
Benzo (b) Fluoranthene	83	83	46-136	31-151	0	0-24	
Benzo (a) Pyrene	92	89	40-148	22-166	3	0-22	
Indeno (1,2,3-c,d) Pyrene	86	89	43-163	23-183	4	0-22	
Dibenz (a,h) Anthracene	88	89	45-153	27-171	1	0-20	
Benzo (g,h,i) Perylene	82	83	38-140	21-157	2	0-20	

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

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-12-1226

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

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

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)

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

Please Check Appropriate Box:

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

Print Bill To Contact Name: Denis Brown

INCIDENT # (ENV SERVICES): 9 7 0 9 3 3 9 7 — [ ] CHECK IF NO INCIDENT # APPLIES

PO # / SAP #

DATE: _____

PAGE: _____ of _____

SAMPLING COMPANY: Conestoga-Rovers & Associates	LOG CODE: CRAW	SITE ADDRESS: Street and City: 2703 Martin Luther King Jr. Way, Oakland, CA	State	GLOBAL ID NO: T0600101876
ADDRESS: 5900 Hollis St, Suite A, Emeryville, CA		EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville	PHONE NO: 510-420-3343	E-MAIL: shell.em.edf@craworld.com
PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer				CONSULTANT PROJECT NO: 240781-95-10.10
TELEPHONE: 510-420-3319	FAX: 510-420-9170	E-MAIL: pshcaefer@craworld.com	SAMPLER NAME(S) (Print): Christine Orlowski	LAB USE ONLY: 12- 1226

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	OTHER	NO. OF CONT.	TPHmo (EPA 8015B)	TPH -D (8015B)	Total Lead (EPA 6010B)	Polycyclic aromatic hydrocarbons (8270C SIM PAHs)	TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
1	HA-10-0	12/13/10	940	Soil				X			X	X	X	X	Container I.D. No.:
2	HA-10-1	12/13/10	942												Container I.D. No.:
3	HA-10-4.5	12/13/10	945												Container I.D. No.:
4	HA-9-0	12/13/10	1000												Container I.D. No.:
5	HA-9-1	12/13/10	1005												Container I.D. No.:
6	HA-9-4.5	12/13/10	1020												Container I.D. No.:
7	HA-11-0	12/13/10	1030												Container I.D. No.:
8	HA-11-1	12/13/10	1035												
9	HA-11-4.5	12/13/10	1040												
10	HA-12-0	12/13/10	1050												

Relinquished by: (Signature)	Received by: (Signature)	Date: 12/13/10	Time: 1700
Relinquished by: (Signature)	Received by: (Signature)	Date: 12/14/10	Time: 1735
Relinquished by: (Signature) 12/14/10 1730	Received by: (Signature)	Date: 12/15/10	Time: 1030

Secure Location

05/2/06 Revision

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 Nam: Denis Brown

INCIDENT # (ENV SERVICES): 97093397 [ ] CHECK IF NO INCIDENT # APPLIES

PO #:

SAP #:

DATE: _____

PAGE: _____ of _____

SAMPLING COMPANY: Conestoga-Rovers & Associates	LOG CODE: CRAW	SITE ADDRESS: Street and City: 2703 Martin Luther King Jr. Way, Oakland, CA	State	GLOBAL ID NO: T0600101876
ADDRESS: 5900 Hollis St., Suite A, Emeryville, CA		EDF DELIVERABLE TO (Name, Company Office Location): Brenda Carter, CRA, Emeryville	PHONE NO: 510-420-3343	E-MAIL: shell.em.edf@craworld.com
PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer				CONSULTANT PROJECT NO: 240781-95-10.10
TELEPHONE: 510-420-3319	FAX: 510-420-9170	E-MAIL: pshcaefer@craworld.com	SAMPLER NAME(S) (Print): Christine Orlowski	LAB USE ONLY: 12-1226

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	OTHER	NO. OF CONT.	TPHmo (EPA 8015B)	TPH -D (8015B)	Total Lead (EPA 6010B)	Polycyclic aromatic hydrocarbons (8270C SIM PAHS)	TEMPERATURE ON RECEIPT C° / Container / Preservative / PID Readings or Laboratory Notes
11	HA-12-1	12/13/10	1055	Soil				X			X	X	X	X	Container I.D. No.: 0
12	HA-12-4.5		1105												Container I.D. No.:
13	HA-13-0		1110												Container I.D. No.:
14	HA-13-1		1120												Container I.D. No.:
15	HA-13-4.5		1125												Container I.D. No.:
															Container I.D. No.:
															Container I.D. No.:

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Christine Orlowski	Secure Location	12/13/10	1700
[signature]	To Molly CEC	12/14/10	1135
[signature] CO 12/14/10 1730	[signature]	12/15/10	1030

05/2/06 Revision

1226

GSO

WebShip

800-322-5555 www.gso.com

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

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

COD:
$0.00

Reference:
CRA, CITY OF SAC, BTS

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 515558145

NPS

ORC

D

GARDEN GROVE

D92843A

87118833

Print Date : 12/14/10 16:56 PM

Package 1 of 1

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

LABEL INSTRUCTIONS:

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

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

ADDITIONAL OPTIONS:

Send Label Via Email | Create Return Label

TERMS AND CONDITIONS:

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

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-12-1226

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: CRA DATE: 12/15/10

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

Temperature 1.9 °C + 0.5 °C (CF) = 2.4 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter **Initial:** JP

CUSTODY SEALS INTACT:

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

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

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☐	☑	☐
☑ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

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

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

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

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

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

Preservative: h: HCL n: HNO_3 na$_2$: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** VL

Calscience
Environmental
Laboratories, Inc.

January 05, 2011

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

Subject: **Calscience Work Order No.: 10-12-1882**
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 12/22/2010 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

for

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

Calscience Environmental Laboratories, Inc.

CASE NARRATIVE

Calscience Work Order No.: 10-12-1882

EPA 8260/5030 – E Qualifiers :

Lab Sample ID	Client Sample ID	Compound Name
10-12-1882-23	B-29-10	TPPH

The sample listed above was originally analyzed without dilution (DF=1). All target analytes were well within the calibration range with the exception of the compound referenced above which exceeded the calibration range and required a dilution.

A methanol extract of each sample was prepared for dilution analysis. The maximum amount of methanol that can be used for the dilution into reagent water without causing instrumental problems is 100µL. Thus, the dilution factor for the methanol extraction is 100x (DF=100). However, at this dilution, these compounds were not detected at or above the reporting limits (RL).

Both results, with and without dilution, are included in this report. The results in the original runs have been flagged with an "E" qualifier indicating that the concentration found in the sample exceeded the calibration range of the instrument. The results in the dilution runs were non-detect at or above the RL.

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received:	12/22/10
Work Order No:	10-12-1882
Preparation:	EPA 5030C
Method:	LUFT GC/MS / EPA 8260B
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
B-24-5	10-12-1882-1-A	12/20/10 08:10	Solid	GC/MS UU	12/22/10	12/29/10 18:25	101229L01

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	94	63-141		1,2-Dichloroethane-d4	94	62-146	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	94	60-132	
Toluene-d8-TPPH	101	87-111					

B-24-10	10-12-1882-2-A	12/20/10 08:20	Solid	GC/MS UU	12/22/10	12/29/10 03:57	101228L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	22	0.50	100	
Ethylbenzene	3.6	0.50	100		TPPH	560	50	100	E
Toluene	ND	0.50	100						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	92	63-141		1,2-Dichloroethane-d4	93	62-146	
Toluene-d8	101	80-120		1,4-Bromofluorobenzene	105	60-132	
Toluene-d8-TPPH	103	87-111					

B-24-10	10-12-1882-2-A	12/20/10 08:20	Solid	GC/MS UU	12/22/10	12/30/10 16:08	101230L02

Parameter	Result	RL	DF	Qual
TPPH	550	100	200	

B-24-15	10-12-1882-3-A	12/20/10 08:25	Solid	GC/MS UU	12/22/10	12/29/10 04:24	101228L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	1.6	0.50	100		Xylenes (total)	20	0.50	100	
Ethylbenzene	5.0	0.50	100		TPPH	380	50	100	
Toluene	ND	0.50	100						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	91	63-141		1,2-Dichloroethane-d4	89	62-146	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	99	60-132	
Toluene-d8-TPPH	105	87-111					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/22/10
Work Order No: 10-12-1882
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
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
B-24-19.5	10-12-1882-4-A	12/20/10 08:30	Solid	GC/MS UU	12/22/10	12/29/10 18:53	101229L01

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	95	63-141			1,2-Dichloroethane-d4	91	62-146		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	94	60-132		
Toluene-d8-TPPH	102	87-111							

B-26-5	10-12-1882-5-A	12/20/10 08:50	Solid	GC/MS UU	12/22/10	12/29/10 19:20	101229L01

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	97	63-141			1,2-Dichloroethane-d4	95	62-146		
Toluene-d8	97	80-120			1,4-Bromofluorobenzene	94	60-132		
Toluene-d8-TPPH	98	87-111							

B-26-10	10-12-1882-6-A	12/20/10 08:55	Solid	GC/MS UU	12/22/10	12/29/10 04:52	101228L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	3.0	0.50	100		Xylenes (total)	110	0.50	100	
Ethylbenzene	22	0.50	100	E	TPPH	1200	50	100	E
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	88	63-141			1,2-Dichloroethane-d4	88	62-146		
Toluene-d8	103	80-120			1,4-Bromofluorobenzene	100	60-132		
Toluene-d8-TPPH	105	87-111							

B-26-10	10-12-1882-6-A	12/20/10 08:55	Solid	GC/MS UU	12/22/10	12/31/10 15:11	101231L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Ethylbenzene	21	5.0	1000		Xylenes (total)	110	5.0	1000	
TPPH	1100	500	1000						

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: 12/22/10
Work Order No: 10-12-1882
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
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
B-26-15	10-12-1882-7-A	12/20/10 09:00	Solid	GC/MS UU	12/22/10	12/29/10 05:19	101228L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	5.4	0.50	100		Xylenes (total)	32	0.50	100	
Ethylbenzene	12	0.50	100		TPPH	680	50	100	E
Toluene	ND	0.50	100						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	90	63-141		1,2-Dichloroethane-d4	89	62-146	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	98	60-132	
Toluene-d8-TPPH	102	87-111					

B-26-15	10-12-1882-7-A	12/20/10 09:00	Solid	GC/MS UU	12/22/10	12/31/10 15:39	101231L02

Parameter	Result	RL	DF	Qual
TPPH	660	100	200	

B-26-19.5	10-12-1882-8-A	12/20/10 09:10	Solid	GC/MS UU	12/22/10	12/29/10 19:47	101229L01

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	99	63-141		1,2-Dichloroethane-d4	97	62-146	
Toluene-d8	98	80-120		1,4-Bromofluorobenzene	96	60-132	
Toluene-d8-TPPH	100	87-111					

B-27-5	10-12-1882-9-A	12/20/10 10:00	Solid	GC/MS UU	12/22/10	12/29/10 20:15	101229L01

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	112	63-141		1,2-Dichloroethane-d4	113	62-146	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	98	60-132	
Toluene-d8-TPPH	104	87-111					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/22/10
Work Order No: 10-12-1882
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
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
B-27-10	10-12-1882-10-A	12/20/10 10:05	Solid	GC/MS UU	12/22/10	12/29/10 05:46	101228L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	9.9	0.50	100		Xylenes (total)	140	0.50	100	
Ethylbenzene	29	0.50	100	E	TPPH	1600	50	100	E
Toluene	10	0.50	100						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	88	63-141		1,2-Dichloroethane-d4	86	62-146	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	103	60-132	
Toluene-d8-TPPH	105	87-111					

B-27-10	10-12-1882-10-A	12/20/10 10:05	Solid	GC/MS UU	12/22/10	12/31/10 16:06	101231L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Ethylbenzene	28	5.0	1000		Xylenes (total)	160	5.0	1000	
TPPH	1600	500	1000						

B-27-15	10-12-1882-11-A	12/20/10 10:10	Solid	GC/MS UU	12/22/10	12/29/10 06:14	101228L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	3.5	0.50	100		Xylenes (total)	40	0.50	100	
Ethylbenzene	12	0.50	100		TPPH	580	50	100	E
Toluene	0.62	0.50	100						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	87	63-141		1,2-Dichloroethane-d4	82	62-146	
Toluene-d8	101	80-120		1,4-Bromofluorobenzene	101	60-132	
Toluene-d8-TPPH	103	87-111					

B-27-15	10-12-1882-11-A	12/20/10 10:10	Solid	GC/MS UU	12/22/10	12/31/10 16:34	101231L02

Parameter	Result	RL	DF	Qual
TPPH	490	100	200	

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: 12/22/10
Work Order No: 10-12-1882
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
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
B-27-19.5	10-12-1882-12-A	12/20/10 10:15	Solid	GC/MS UU	12/22/10	12/29/10 20:42	101229L01

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	99	63-141			1,2-Dichloroethane-d4	97	62-146		
Toluene-d8	97	80-120			1,4-Bromofluorobenzene	96	60-132		
Toluene-d8-TPPH	99	87-111							

B-28-5	10-12-1882-13-A	12/20/10 10:30	Solid	GC/MS UU	12/22/10	12/29/10 21:09	101229L01

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	97	63-141			1,2-Dichloroethane-d4	102	62-146		
Toluene-d8	93	80-120			1,4-Bromofluorobenzene	92	60-132		
Toluene-d8-TPPH	95	87-111							

B-28-10	10-12-1882-14-A	12/20/10 10:35	Solid	GC/MS UU	12/22/10	12/29/10 06:41	101228L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2.0	0.50	100		Xylenes (total)	37	0.50	100	
Ethylbenzene	7.4	0.50	100		TPPH	470	50	100	E
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	86	63-141			1,2-Dichloroethane-d4	85	62-146		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	96	60-132		
Toluene-d8-TPPH	104	87-111							

B-28-10	10-12-1882-14-A	12/20/10 10:35	Solid	GC/MS UU	12/22/10	12/31/10 17:01	101231L02

Parameter	Result	RL	DF	Qual
TPPH	460	100	200	

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: 12/22/10
Work Order No: 10-12-1882
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
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
B-28-15	10-12-1882-15-A	12/20/10 10:40	Solid	GC/MS UU	12/22/10	12/29/10 07:08	101228L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2.6	0.50	100		Xylenes (total)	58	0.50	100	
Ethylbenzene	11	0.50	100		TPPH	640	50	100	E
Toluene	5.4	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	88	63-141			1,2-Dichloroethane-d4	84	62-146		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	101	60-132		
Toluene-d8-TPPH	104	87-111							

B-28-15	10-12-1882-15-A	12/20/10 10:40	Solid	GC/MS UU	12/22/10	12/31/10 17:28	101231L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Xylenes (total)	57	2.0	400		TPPH	610	200	400	

B-28-19.5	10-12-1882-16-A	12/20/10 10:45	Solid	GC/MS UU	12/22/10	12/30/10 16:36	101230L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Xylenes (total)	0.012	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	93	63-141			1,2-Dichloroethane-d4	87	62-146		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	95	60-132		
Toluene-d8-TPPH	103	87-111							

B-41-5	10-12-1882-17-A	12/20/10 12:55	Solid	GC/MS UU	12/22/10	12/29/10 07:36	101228L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	ND	0.50	100		TPPH	470	50	100	E
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	86	63-141			1,2-Dichloroethane-d4	84	62-146		
Toluene-d8	99	80-120			1,4-Bromofluorobenzene	98	60-132		
Toluene-d8-TPPH	101	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received:	12/22/10
Work Order No:	10-12-1882
Preparation:	EPA 5030C
Method:	LUFT GC/MS / EPA 8260B
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
B-41-5	10-12-1882-17-A	12/20/10 12:55	Solid	GC/MS UU	12/22/10	12/31/10 17:56	101231L02

Parameter	Result	RL	DF	Qual
TPPH	470	100	200	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-41-8.5	10-12-1882-18-A	12/20/10 12:55	Solid	GC/MS UU	12/22/10	12/31/10 18:23	101231L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	10	2000		Xylenes (total)	56	10	2000	
Ethylbenzene	68	10	2000		TPPH	7200	1000	2000	
Toluene	ND	10	2000						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	98	63-141		1,2-Dichloroethane-d4	87	62-146	
Toluene-d8	98	80-120		1,4-Bromofluorobenzene	97	60-132	
Toluene-d8-TPPH	99	87-111					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-41-10	10-12-1882-19-A	12/20/10 13:00	Solid	GC/MS UU	12/22/10	12/31/10 18:50	101231L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	10	2000		Xylenes (total)	290	10	2000	
Ethylbenzene	68	10	2000		TPPH	4500	1000	2000	
Toluene	ND	10	2000						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	98	63-141		1,2-Dichloroethane-d4	89	62-146	
Toluene-d8	93	80-120		1,4-Bromofluorobenzene	95	60-132	
Toluene-d8-TPPH	95	87-111					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-41-15	10-12-1882-20-A	12/20/10 13:05	Solid	GC/MS UU	12/22/10	12/30/10 17:03	101230L01

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	100	63-141		1,2-Dichloroethane-d4	95	62-146	
Toluene-d8	101	80-120		1,4-Bromofluorobenzene	91	60-132	
Toluene-d8-TPPH	103	87-111					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/22/10
Work Order No: 10-12-1882
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
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
B-41-19.5	10-12-1882-21-A	12/20/10 13:10	Solid	GC/MS UU	12/22/10	12/29/10 02:08	101228L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Xylenes (total)	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		TPPH	ND	0.50	1	
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	104	63-141			1,2-Dichloroethane-d4	111	62-146		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	92	60-132		
Toluene-d8-TPPH	102	87-111							

B-29-5	10-12-1882-22-A	12/20/10 13:30	Solid	GC/MS UU	12/22/10	12/30/10 17:31	101230L01

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	98	63-141			1,2-Dichloroethane-d4	94	62-146		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	96	60-132		
Toluene-d8-TPPH	102	87-111							

B-29-10	10-12-1882-23-A	12/20/10 13:35	Solid	GC/MS UU	12/22/10	01/03/11 16:57	110103L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.010	0.0050	1		Xylenes (total)	0.012	0.0050	1	
Ethylbenzene	0.015	0.0050	1		TPPH	4.3	0.50	1	E
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	97	63-141			1,2-Dichloroethane-d4	89	62-146		
Toluene-d8	96	80-120			1,4-Bromofluorobenzene	97	60-132		
Toluene-d8-TPPH	98	87-111							

B-29-10	10-12-1882-23-A	12/20/10 13:35	Solid	GC/MS UU	12/22/10	12/31/10 19:17	101231L02

Parameter	Result	RL	DF	Qual
TPPH	ND	50	100	

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: 12/22/10
Work Order No: 10-12-1882
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
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
B-29-15	10-12-1882-24-A	12/20/10 13:40	Solid	GC/MS UU	12/22/10	01/03/11 16:29	110103L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	1.3	0.50	100		Xylenes (total)	7.2	0.50	100	
Ethylbenzene	1.7	0.50	100		TPPH	97	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	103	63-141			1,2-Dichloroethane-d4	97	62-146		
Toluene-d8	96	80-120			1,4-Bromofluorobenzene	84	60-132		
Toluene-d8-TPPH	97	87-111							

B-29-19.5	10-12-1882-25-A	12/20/10 13:45	Solid	GC/MS UU	12/22/10	12/29/10 14:19	101229L01

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	91	63-141			1,2-Dichloroethane-d4	93	62-146		
Toluene-d8	99	80-120			1,4-Bromofluorobenzene	95	60-132		
Toluene-d8-TPPH	100	87-111							

B-42-5	10-12-1882-26-A	12/20/10 14:40	Solid	GC/MS UU	12/22/10	12/31/10 20:12	101231L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	5.0	1000		Xylenes (total)	ND	5.0	1000	
Ethylbenzene	5.5	5.0	1000		TPPH	3000	500	1000	
Toluene	ND	5.0	1000						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	96	63-141			1,2-Dichloroethane-d4	89	62-146		
Toluene-d8	96	80-120			1,4-Bromofluorobenzene	97	60-132		
Toluene-d8-TPPH	98	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/22/10
Work Order No: 10-12-1882
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
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
B-42-10	10-12-1882-27-A	12/20/10 14:45	Solid	GC/MS UU	12/22/10	12/31/10 20:40	101231L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	72	5.0	1000		Xylenes (total)	1200	5.0	1000	
Ethylbenzene	310	5.0	1000	E	TPPH	20000	500	1000	E
Toluene	360	5.0	1000	E					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	63-141		1,2-Dichloroethane-d4	84	62-146	
Toluene-d8	104	80-120		1,4-Bromofluorobenzene	99	60-132	
Toluene-d8-TPPH	106	87-111					

B-42-10	10-12-1882-27-A	12/20/10 14:45	Solid	GC/MS UU	12/22/10	01/03/11 16:02	110103L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Ethylbenzene	270	50	10000		TPPH	17000	5000	10000	
Toluene	320	50	10000		Xylenes (total)	1400	50	10000	

B-42-15	10-12-1882-28-A	12/20/10 14:50	Solid	GC/MS UU	12/22/10	12/30/10 17:58	101230L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Xylenes (total)	0.055	0.0050	1	
Ethylbenzene	0.0097	0.0050	1		TPPH	0.95	0.50	1	
Toluene	0.019	0.0050	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	96	63-141		1,2-Dichloroethane-d4	92	62-146	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	99	60-132	
Toluene-d8-TPPH	101	87-111					

B-42-19.5	10-12-1882-29-A	12/20/10 14:55	Solid	GC/MS PP	12/22/10	12/23/10 14:07	101223L01

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	103	63-141		1,2-Dichloroethane-d4	117	62-146	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	100	60-132	
Toluene-d8-TPPH	103	87-111					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	12/22/10
5900 Hollis Street, Suite A	Work Order No:	10-12-1882
Emeryville, CA 94608-2008	Preparation:	EPA 5030C
	Method:	LUFT GC/MS / EPA 8260B
	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	099-12-798-1,360	N/A	Solid	GC/MS PP	12/23/10	12/23/10 13:39	101223L01

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	100	63-141			1,2-Dichloroethane-d4	114	62-146		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	102	60-132		
Toluene-d8-TPPH	102	87-111							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-798-1,373	N/A	Solid	GC/MS UU	12/28/10	12/29/10 01:41	101228L03

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	97	63-141			1,2-Dichloroethane-d4	103	62-146		
Toluene-d8	98	80-120			1,4-Bromofluorobenzene	95	60-132		
Toluene-d8-TPPH	100	87-111							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-798-1,374	N/A	Solid	GC/MS UU	12/28/10	12/29/10 01:13	101228L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	ND	0.50	100		TPPH	ND	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	97	63-141			1,2-Dichloroethane-d4	103	62-146		
Toluene-d8	97	80-120			1,4-Bromofluorobenzene	94	60-132		
Toluene-d8-TPPH	99	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/22/10
Work Order No: 10-12-1882
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
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	099-12-798-1,377	N/A	Solid	GC/MS UU	12/29/10	12/29/10 13:52	101229L01

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	93	63-141			1,2-Dichloroethane-d4	93	62-146		
Toluene-d8	98	80-120			1,4-Bromofluorobenzene	89	60-132		
Toluene-d8-TPPH	99	87-111							

Method Blank	099-12-798-1,380	N/A	Solid	GC/MS UU	12/30/10	12/30/10 14:19	101230L01

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	63-141			1,2-Dichloroethane-d4	94	62-146		
Toluene-d8	99	80-120			1,4-Bromofluorobenzene	96	60-132		
Toluene-d8-TPPH	101	87-111							

Method Blank	099-12-798-1,383	N/A	Solid	GC/MS UU	12/30/10	12/30/10 13:52	101230L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	ND	0.50	100		TPPH	ND	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	98	63-141			1,2-Dichloroethane-d4	92	62-146		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	91	60-132		
Toluene-d8-TPPH	102	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	12/22/10
5900 Hollis Street, Suite A	Work Order No:	10-12-1882
Emeryville, CA 94608-2008	Preparation:	EPA 5030C
	Method:	LUFT GC/MS / EPA 8260B
	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	099-12-798-1,386	N/A	Solid	GC/MS UU	12/31/10	12/31/10 12:55	101231L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	ND	0.50	100		TPPH	ND	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	106	63-141			1,2-Dichloroethane-d4	98	62-146		
Toluene-d8	93	80-120			1,4-Bromofluorobenzene	92	60-132		
Toluene-d8-TPPH	95	87-111							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-798-1,390	N/A	Solid	GC/MS UU	01/03/11	01/03/11 13:34	110103L01

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	110	63-141			1,2-Dichloroethane-d4	107	62-146		
Toluene-d8	96	80-120			1,4-Bromofluorobenzene	89	60-132		
Toluene-d8-TPPH	98	87-111							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-798-1,393	N/A	Solid	GC/MS UU	01/03/11	01/03/11 14:02	110103L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	ND	0.50	100		TPPH	ND	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	63-141			1,2-Dichloroethane-d4	92	62-146		
Toluene-d8	93	80-120			1,4-Bromofluorobenzene	88	60-132		
Toluene-d8-TPPH	95	87-111							

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 12/22/10
5900 Hollis Street, Suite A	Work Order No: 10-12-1882
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	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
B-42-19.5	Solid	GC/MS PP	12/22/10	12/23/10	101223S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	97	102	61-127	5	0-20	
Ethylbenzene	103	105	57-129	2	0-22	
Toluene	101	105	63-123	5	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates		Date Received:	12/22/10
5900 Hollis Street, Suite A		Work Order No:	10-12-1882
Emeryville, CA 94608-2008		Preparation:	EPA 5030C
		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
B-41-19.5	Solid	GC/MS UU	12/22/10	12/29/10	101228S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	97	97	61-127	1	0-20	
Ethylbenzene	98	100	57-129	2	0-22	
Toluene	98	93	63-123	5	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates		Date Received:	12/22/10
5900 Hollis Street, Suite A		Work Order No:	10-12-1882
Emeryville, CA 94608-2008		Preparation:	EPA 5030C
		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
B-29-19.5	Solid	GC/MS UU	12/22/10	12/29/10	101229S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	95	98	61-127	3	0-20	
Ethylbenzene	93	98	57-129	5	0-22	
Toluene	95	96	63-123	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 12/22/10
5900 Hollis Street, Suite A	Work Order No: 10-12-1882
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	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
10-12-2074-12	Solid	GC/MS UU	12/24/10	12/30/10	101230S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	99	61-127	4	0-20	
Ethylbenzene	93	99	57-129	6	0-22	
Toluene	93	97	63-123	5	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates		Date Received:	12/22/10
5900 Hollis Street, Suite A		Work Order No:	10-12-1882
Emeryville, CA 94608-2008		Preparation:	EPA 5030C
		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
10-12-2074-35	Solid	GC/MS UU	12/24/10	12/31/10	101231S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	84	61-127	10	0-20	
Ethylbenzene	84	70	57-129	18	0-22	
Toluene	86	78	63-123	10	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 12/22/10
5900 Hollis Street, Suite A	Work Order No: 10-12-1882
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	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
10-12-2074-7	Solid	GC/MS UU	01/03/11	01/03/11	110103S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	0	0	61-127	14	0-20	3
Ethylbenzene	0	1	57-129	8	0-22	3
Toluene	87	86	63-123	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 10-12-1882
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	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
099-12-798-1,360	Solid	GC/MS PP	12/23/10	12/23/10	101223L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	99	78-120	1	0-20	
Ethylbenzene	103	103	76-120	0	0-20	
Toluene	102	101	77-120	1	0-20	
TPPH	119	118	65-135	1	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 10-12-1882
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	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
099-12-798-1,373	Solid	GC/MS UU	12/28/10	12/28/10	101228L03

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	97	78-120	1	0-20	
Ethylbenzene	102	100	76-120	2	0-20	
Toluene	98	98	77-120	0	0-20	
TPPH	103	104	65-135	1	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 10-12-1882
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	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
099-12-798-1,374	Solid	GC/MS UU	12/28/10	12/28/10	101228L04

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	97	78-120	1	0-20	
Ethylbenzene	102	100	76-120	2	0-20	
Toluene	98	98	77-120	0	0-20	
TPPH	103	104	65-135	1	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 10-12-1882
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	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
099-12-798-1,377	Solid	GC/MS UU	12/29/10	12/29/10	101229L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	97	98	78-120	1	0-20	
Ethylbenzene	101	99	76-120	3	0-20	
Toluene	83	98	77-120	17	0-20	
TPPH	102	105	65-135	3	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 10-12-1882
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	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
099-12-798-1,380	Solid	GC/MS UU	12/30/10	12/30/10	101230L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	101	101	78-120	0	0-20	
Ethylbenzene	98	96	76-120	2	0-20	
Toluene	99	98	77-120	1	0-20	
TPPH	100	100	65-135	0	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received:	N/A
Work Order No:	10-12-1882
Preparation:	EPA 5030C
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
099-12-798-1,383	Solid	GC/MS UU	12/30/10	12/30/10	101230L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	101	98	78-120	3	0-20	
Ethylbenzene	96	98	76-120	2	0-20	
Toluene	98	99	77-120	1	0-20	
TPPH	100	100	65-135	0	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 10-12-1882
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	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
099-12-798-1,386	Solid	GC/MS UU	12/31/10	12/31/10	101231L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	97	100	78-120	3	0-20	
Ethylbenzene	101	99	76-120	1	0-20	
Toluene	99	102	77-120	3	0-20	
TPPH	102	103	65-135	1	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 10-12-1882
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	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
099-12-798-1,390	Solid	GC/MS UU	01/03/11	01/03/11	110103L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	97	78-120	2	0-20	
Ethylbenzene	99	100	76-120	1	0-20	
Toluene	99	97	77-120	2	0-20	
TPPH	98	93	65-135	5	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates		Date Received:	N/A
5900 Hollis Street, Suite A		Work Order No:	10-12-1882
Emeryville, CA 94608-2008		Preparation:	EPA 5030C
		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
099-12-798-1,393	Solid	GC/MS UU	01/03/11	01/03/11	110103L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	97	78-120	2	0-20	
Ethylbenzene	99	100	76-120	1	0-20	
Toluene	99	97	77-120	2	0-20	
TPPH	98	93	65-135	5	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-12-1882

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

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

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)

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

Please Check Appropriate Box:

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

Print Bill To Contact Name: Denis Brown

PO #:

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

SAP #:

- [ ] CHECK IF NO INCIDENT # APPLIES

DATE: _____

PAGE: _____ of _____

SAMPLING COMPANY: Conestoga-Rovers & Associates	LOG CODE: CRAW	SITE ADDRESS: Street and City: 2703 Martin Luther King Jr. Way, Oakland, CA	State	GLOBAL ID NO: T0600101876
ADDRESS: 5900 Hollis St., Suite A, Emeryville, CA		EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville	PHONE NO: 510-420-3343	E-MAIL: shell.em.edf@craworld.com
PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer				CONSULTANT PROJECT NO: 240781-95-10.10
TELEPHONE: 510-420-3319	FAX: 510-420-9170	E-MAIL: pshcaefer@craworld.com	SAMPLER NAME(S) (Print): Christine Orlowski	LAB USE ONLY: 12-1862

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°

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPHg (8260B)	BTEX (8260B)	Container / Container I.D. No.
1	B-24-5	12-20-10	0810	Soil				X			X	X	Container:
2	B-24-10		8:20										Container I.D. No.:
3	B-24-15		825										Container I.D. No.:
4	B-24-19.5		830										Container I.D. No.:
5	B-26-5		850										Container I.D. No.:
6	B-26-10		855										Container I.D. No.:
7	B-26-15		900										Container I.D. No.:
8	B-26-19.5		910										
9	B-27-5		1000										
10	B-27-10		1005										

PID Reading No

Relinquished by: (Signature) BELOW VIA FED EX	Received by: (Signature) SECURE LOCATION	Date: 12-20-2010	Time: 16:45
Relinquished by: (Signature)	Received by: (Signature)	Date: 12/21/10	Time: 1445
Relinquished by: (Signature) 12/21/10 1730	Received by: (Signature)	Date: 12/22/10	Time: 1040

05/2/06 Revision

1 OF 3

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

PO #:

SAP #:

DATE:

PAGE: of

SAMPLING COMPANY: Conestoga-Rovers & Associates	LOG CODE: CRAW
ADDRESS: 5900 Hollis St., Suite A, Emeryville, CA	
PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer	
TELEPHONE: 510-420-3319	FAX: 510-420-9170
E-MAIL: pshcaefer@craworld.com	
SITE ADDRESS: Street and City: 2703 Martin Luther King Jr. Way, Oakland, CA	State:
GLOBAL ID NO: T0600101876	
EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville	PHONE NO: 510-420-3343
E-MAIL: shell.em.edf@craworld.com	CONSULTANT PROJECT NO: 240781-95-10.10
SAMPLER NAME(S) (Print): Christine Orlowski	LAB USE ONLY: 12-1882

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	OTHER	NO. OF CONT.	TPHg (8260B)	BTEX (8260B)	Container PID Readings or Laboratory Notes
11	B-27-15	12-20-10	1010	Soil				X			X	X	Container I.D. No.:
12	B-27-19.5	↓	1015	↓				↓			↓	↓	Container I.D. No.:
13	B-28-5		1020										Container I.D. No.:
14	B-28-10		1035										Container I.D. No.:
15	B-28-15		1040										Container I.D. No.:
16	B-28-19.5		1045										Container I.D. No.:
17	B-41-5		1255										Container I.D. No.:
18	B-41-8.5		1259										
19	B-41-10		1300										
20	B-41-15		1305										

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	SECURE LOCATION	12-20-2010	10:45
[signature]	[signature] CEL	12/21/10	1445
[signature] TO [signature] 12/21/10 1730	[signature]	12/22/10	1040

05/2/06 Revision

2 OF 3

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: _____

PO #: _____

SAP #: _____

PAGE: _____ of _____

SAMPLING COMPANY: Conestoga-Rovers & Associates	LOG CODE: CRAW	SITE ADDRESS: Street and City: 2703 Martin Luther King Jr. Way, Oakland, CA	State	GLOBAL ID NO: T0600101876
ADDRESS: 5900 Hollis St., Suite A, Emeryville, CA		EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville	PHONE NO: 510-420-3343	E-MAIL: shell.em.edf@craworld.com
PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer				CONSULTANT PROJECT NO: 240781-95-10.10
TELEPHONE: 510-420-3319	FAX: 510-420-9170	E-MAIL: pshcaefer@craworld.com	SAMPLER NAME(S) (Print): Christine Orlowski	LAB USE ONLY: 12-1882

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	OTHER	NO. OF CONT.	TPHg (8260B)	BTEX (8260B)	Container PID Readings or Laboratory Notes
21	B-41-19.5	12-20	1310	Soil				X			X	X	Container I.D. No.:
22	B-29-5		1330										Container I.D. No.:
23	B-29-10		1335										Container I.D. No.:
24	B-29-15		1340										Container I.D. No.:
25	B-29-19.5		1345										Container I.D. No.:
26	B-42-5		1440										Container I.D. No.:
27	B-42-10		1445										Container I.D. No.:
28	B-42-15		1450										
29	B-42-19.5		1455										

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
BELOW V INTRO	SECURE LOCATION	12-20-2010	1645
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	To Molly COC	12/21/10	1445
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
12/22/10 1730		12/22/10	1040

05/2/06 Revision

3 OF 3

(1882)

GSO

< WebShip > > > > >

800-322-5555 www.gso.com

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

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

COD:
$0.00

Reference:
CRA, THE CONCO COMPANIES, NCAL HOLD BLANK

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 515608950

NPS

ORC

D

GARDEN GROVE

D92843A

87315070

Print Date : 12/21/10 15:38 PM

Package 1 of 1

Send Label To Printer ☑ Print All Edit Shipment Finish

LABEL INSTRUCTIONS:

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

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

STEP 2 - Fold this page in half.

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

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

ADDITIONAL OPTIONS:

Send Label Via Email Create Return Label

TERMS AND CONDITIONS:

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

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-12-1882

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: CRA DATE: 12/22/10

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

Temperature 3.3 °C + 0.5 °C (CF) = 3.8 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter Initial: JP

CUSTODY SEALS INTACT:

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

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

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☐	☑	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

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

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

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

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

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

Preservative: h: HCL n: HNO_3 na$_2$: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** DL

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-12-1882

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

Comments:

- ☐ **Sample(s)/Container(s) NOT RECEIVED but listed on COC**
- ☐ **Sample(s)/Container(s) received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s) used** – list test
- ☐ **Improper preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☑ **Sample label(s) do not match COC** – Note in comments
  - ☑ **Sample ID**
  - ☑ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☐ **# of Container(s)**
  - ☐ **Analysis**
- ☐ **Sample container(s) compromised** – Note in comments
  - ☐ **Water present in sample container**
  - ☐ **Broken**
- ☐ **Sample container(s) not labeled**
- ☐ **Air sample container(s) compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Very low in volume**
  - ☐ **Leaking (Not transferred - duplicate bag submitted)**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

Comments:
(-21) Labeled as CB-41-20
12/20/20 @ 13:15

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

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

Comments: _____

*Transferred at Client's request.

Initial / Date: bC 12/22/10

Calscience
Environmental
Laboratories, Inc.

January 07, 2011

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

Subject: **Calscience Work Order No.: 10-12-2074**
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 12/24/2010 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

for

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

Calscience
Environmental
Laboratories, Inc.

CASE NARRATIVE

Calscience Work Order No.: 10-12-2074

EPA 8260/5030 – E Qualifiers :

Lab Sample ID	Client Sample ID	Compound Name
10-12-2074-5	B-30-5	TPPH
10-12-2074-7	B-30-15	TPPH
10-12-2074-20	B-36-19.5	Benzene
10-12-2074-21	B-37-5	TPPH
10-12-2074-32	B-32-12	TPPH

The samples listed above were originally analyzed without dilution (DF=1). All target analytes were well within the calibration range with the exception of the compounds referenced above which exceeded the calibration range and required a dilution.

A methanol extract of each sample was prepared for dilution analysis. The maximum amount of methanol that can be used for the dilution into reagent water without causing instrumental problems is 100µL. Thus, the dilution factor for the methanol extraction is 100x (DF=100). However, at this dilution, these compounds were not detected at or above the reporting limits (RL).

Both results, with and without dilution, are included in this report. The results in the original runs have been flagged with an "E" qualifier indicating that the concentration found in the sample exceeded the calibration range of the instrument. The results in the dilution runs were non-detect at or above the RL.

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/24/10
Work Order No: 10-12-2074
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
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
B-25-5	10-12-2074-1-A	12/23/10 08:06	Solid	GC/MS UU	12/24/10	12/30/10 18:25	101230L01

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	1.9	0.50	1	
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	95	63-141			1,2-Dichloroethane-d4	91	62-146		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	103	60-132		
Toluene-d8-TPPH	104	87-111							

B-25-10	10-12-2074-2-A	12/23/10 08:14	Solid	GC/MS UU	12/24/10	01/01/11 03:29	101231L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.5	500		Xylenes (total)	51	2.5	500	
Ethylbenzene	12	2.5	500		TPPH	730	250	500	
Toluene	ND	2.5	500						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	94	63-141			1,2-Dichloroethane-d4	88	62-146		
Toluene-d8	97	80-120			1,4-Bromofluorobenzene	94	60-132		
Toluene-d8-TPPH	99	87-111							

B-25-15	10-12-2074-3-A	12/23/10 08:24	Solid	GC/MS UU	12/24/10	01/03/11 20:35	110103L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2.2	0.50	100		Xylenes (total)	7.3	0.50	100	
Ethylbenzene	5.0	0.50	100		TPPH	290	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	93	63-141			1,2-Dichloroethane-d4	84	62-146		
Toluene-d8	96	80-120			1,4-Bromofluorobenzene	94	60-132		
Toluene-d8-TPPH	98	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/24/10
Work Order No: 10-12-2074
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
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
B-25-19.5	10-12-2074-4-A	12/23/10 08:30	Solid	GC/MS UU	12/24/10	12/30/10 18:53	101230L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Xylenes (total)	0.016	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	63-141			1,2-Dichloroethane-d4	90	62-146		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	94	60-132		
Toluene-d8-TPPH	101	87-111							

B-30-5	10-12-2074-5-A	12/23/10 08:57	Solid	GC/MS UU	12/24/10	01/03/11 20:08	110103L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.064	0.0050	1		Xylenes (total)	0.0087	0.0050	1	
Ethylbenzene	0.015	0.0050	1		TPPH	10	0.50	1	E
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	99	63-141			1,2-Dichloroethane-d4	86	62-146		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	101	60-132		
Toluene-d8-TPPH	103	87-111							

B-30-5	10-12-2074-5-A	12/23/10 08:57	Solid	GC/MS UU	12/24/10	01/04/11 16:27	110104L02

Parameter	Result	RL	DF	Qual
TPPH	ND	50	100	

B-30-10	10-12-2074-6-A	12/23/10 09:06	Solid	GC/MS UU	12/24/10	01/01/11 04:51	101231L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	6.1	2.5	500		Xylenes (total)	240	2.5	500	
Ethylbenzene	44	2.5	500		TPPH	2400	250	500	E
Toluene	3.0	2.5	500						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	98	63-141			1,2-Dichloroethane-d4	88	62-146		
Toluene-d8	99	80-120			1,4-Bromofluorobenzene	97	60-132		
Toluene-d8-TPPH	100	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/24/10
Work Order No: 10-12-2074
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
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
B-30-10	10-12-2074-6-A	12/23/10 09:06	Solid	GC/MS UU	12/24/10	01/03/11 19:41	110103L02

Parameter	Result	RL	DF	Qual
TPPH	2300	500	1000	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-30-15	10-12-2074-7-A	12/23/10 09:18	Solid	GC/MS UU	12/24/10	01/03/11 14:29	110103L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.094	0.0050	1		Xylenes (total)	0.11	0.0050	1	
Ethylbenzene	0.055	0.0050	1		TPPH	11	0.50	1	E
Toluene	0.0056	0.0050	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	63-141		1,2-Dichloroethane-d4	95	62-146	
Toluene-d8	106	80-120		1,4-Bromofluorobenzene	102	60-132	
Toluene-d8-TPPH	108	87-111					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-30-15	10-12-2074-7-A	12/23/10 09:18	Solid	GC/MS UU	12/24/10	01/03/11 17:24	110103L02

Parameter	Result	RL	DF	Qual
TPPH	ND	50	100	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-30-19.5	10-12-2074-8-A	12/23/10 09:29	Solid	GC/MS UU	12/24/10	12/30/10 19:20	101230L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Xylenes (total)	0.044	0.0050	1	
Ethylbenzene	0.012	0.0050	1		TPPH	0.51	0.50	1	
Toluene	ND	0.0050	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	98	63-141		1,2-Dichloroethane-d4	94	62-146	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	96	60-132	
Toluene-d8-TPPH	104	87-111					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	12/24/10
5900 Hollis Street, Suite A	Work Order No:	10-12-2074
Emeryville, CA 94608-2008	Preparation:	EPA 5030C
	Method:	LUFT GC/MS / EPA 8260B
	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
B-35-5	10-12-2074-9-A	12/22/10 08:00	Solid	GC/MS UU	12/24/10	12/30/10 19:47	101230L01

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	63-141			1,2-Dichloroethane-d4	94	62-146		
Toluene-d8	98	80-120			1,4-Bromofluorobenzene	94	60-132		
Toluene-d8-TPPH	100	87-111							

B-35-10	10-12-2074-10-A	12/22/10 08:02	Solid	GC/MS UU	12/24/10	01/03/11 21:03	110103L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	2.6	0.50	100	
Ethylbenzene	4.3	0.50	100		TPPH	300	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	99	63-141			1,2-Dichloroethane-d4	95	62-146		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	97	60-132		
Toluene-d8-TPPH	104	87-111							

B-35-15	10-12-2074-11-A	12/22/10 08:04	Solid	GC/MS UU	12/24/10	01/04/11 17:22	110104L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.93	0.50	100		Xylenes (total)	0.92	0.50	100	
Ethylbenzene	0.75	0.50	100		TPPH	ND	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	98	63-141			1,2-Dichloroethane-d4	98	62-146		
Toluene-d8	96	80-120			1,4-Bromofluorobenzene	92	60-132		
Toluene-d8-TPPH	98	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	12/24/10
5900 Hollis Street, Suite A	Work Order No:	10-12-2074
Emeryville, CA 94608-2008	Preparation:	EPA 5030C
	Method:	LUFT GC/MS / EPA 8260B
	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
B-35-19.5	10-12-2074-12-A	12/22/10 08:06	Solid	GC/MS UU	12/24/10	12/30/10 14:46	101230L01

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	100	63-141			1,2-Dichloroethane-d4	95	62-146		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	91	60-132		
Toluene-d8-TPPH	101	87-111							

B-34-5	10-12-2074-13-A	12/22/10 08:20	Solid	GC/MS UU	12/24/10	12/30/10 20:14	101230L01

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	63-141			1,2-Dichloroethane-d4	94	62-146		
Toluene-d8	98	80-120			1,4-Bromofluorobenzene	94	60-132		
Toluene-d8-TPPH	100	87-111							

B-34-10	10-12-2074-14-A	12/22/10 08:27	Solid	GC/MS UU	12/24/10	01/03/11 21:30	110103L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	1.7	0.50	100		TPPH	290	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	97	63-141			1,2-Dichloroethane-d4	93	62-146		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	94	60-132		
Toluene-d8-TPPH	102	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	12/24/10
5900 Hollis Street, Suite A	Work Order No:	10-12-2074
Emeryville, CA 94608-2008	Preparation:	EPA 5030C
	Method:	LUFT GC/MS / EPA 8260B
	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
B-34-15	10-12-2074-15-A	12/22/10 08:30	Solid	GC/MS UU	12/24/10	01/04/11 20:06	110104L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.91	0.50	100		Xylenes (total)	4.3	0.50	100	
Ethylbenzene	3.5	0.50	100		TPPH	170	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	97	63-141			1,2-Dichloroethane-d4	93	62-146		
Toluene-d8	99	80-120			1,4-Bromofluorobenzene	95	60-132		
Toluene-d8-TPPH	101	87-111							

B-34-19.5	10-12-2074-16-A	12/22/10 08:33	Solid	GC/MS UU	12/24/10	01/05/11 01:06	110104L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	ND	0.50	100		TPPH	160	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	63-141			1,2-Dichloroethane-d4	99	62-146		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	99	60-132		
Toluene-d8-TPPH	103	87-111							

B-36-5	10-12-2074-17-A	12/22/10 08:48	Solid	GC/MS UU	12/24/10	12/30/10 20:42	101230L01

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	101	63-141			1,2-Dichloroethane-d4	98	62-146		
Toluene-d8	99	80-120			1,4-Bromofluorobenzene	100	60-132		
Toluene-d8-TPPH	101	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	12/24/10
5900 Hollis Street, Suite A	Work Order No:	10-12-2074
Emeryville, CA 94608-2008	Preparation:	EPA 5030C
	Method:	LUFT GC/MS / EPA 8260B
	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
B-36-10	10-12-2074-18-A	12/22/10 08:51	Solid	GC/MS UU	12/24/10	01/05/11 01:33	110104L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	5.0	0.50	100	
Ethylbenzene	4.2	0.50	100		TPPH	230	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	97	63-141			1,2-Dichloroethane-d4	95	62-146		
Toluene-d8	98	80-120			1,4-Bromofluorobenzene	96	60-132		
Toluene-d8-TPPH	100	87-111							

B-36-15	10-12-2074-19-A	12/22/10 08:53	Solid	GC/MS UU	12/24/10	01/05/11 02:01	110104L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2.5	0.50	100		Xylenes (total)	7.7	0.50	100	
Ethylbenzene	5.8	0.50	100		TPPH	290	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	97	63-141			1,2-Dichloroethane-d4	92	62-146		
Toluene-d8	99	80-120			1,4-Bromofluorobenzene	99	60-132		
Toluene-d8-TPPH	101	87-111							

B-36-19.5	10-12-2074-20-A	12/22/10 08:56	Solid	GC/MS UU	12/24/10	12/30/10 21:09	101230L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.21	0.0050	1	E	Xylenes (total)	ND	0.0050	1	
Ethylbenzene	0.016	0.0050	1		TPPH	2.2	0.50	1	
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	92	63-141			1,2-Dichloroethane-d4	86	62-146		
Toluene-d8	105	80-120			1,4-Bromofluorobenzene	96	60-132		
Toluene-d8-TPPH	107	87-111							

B-36-19.5	10-12-2074-20-A	12/22/10 08:56	Solid	GC/MS UU	12/24/10	01/01/11 03:01	101231L04

Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	12/24/10
5900 Hollis Street, Suite A	Work Order No:	10-12-2074
Emeryville, CA 94608-2008	Preparation:	EPA 5030C
	Method:	LUFT GC/MS / EPA 8260B
	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
B-37-5	10-12-2074-21-A	12/22/10 10:00	Solid	GC/MS UU	12/24/10	01/04/11 17:49	110104L01

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	7.6	0.50	1	E
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	104	63-141			1,2-Dichloroethane-d4	107	62-146		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	103	60-132		
Toluene-d8-TPPH	104	87-111							

B-37-5	10-12-2074-21-A	12/22/10 10:00	Solid	GC/MS UU	12/24/10	01/04/11 18:17	110104L02

Parameter	Result	RL	DF	Qual
TPPH	ND	50	100	

B-37-10	10-12-2074-22-A	12/22/10 10:03	Solid	GC/MS PP	12/24/10	01/01/11 06:16	101231L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.5	500		Xylenes (total)	87	2.5	500	
Ethylbenzene	30	2.5	500		TPPH	1500	250	500	
Toluene	ND	2.5	500						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	103	63-141			1,2-Dichloroethane-d4	116	62-146		
Toluene-d8	103	80-120			1,4-Bromofluorobenzene	105	60-132		
Toluene-d8-TPPH	103	87-111							

B-37-15	10-12-2074-23-A	12/22/10 10:09	Solid	GC/MS UU	12/24/10	01/05/11 02:28	110104L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.64	0.50	100		Xylenes (total)	2.1	0.50	100	
Ethylbenzene	1.5	0.50	100		TPPH	67	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	94	63-141			1,2-Dichloroethane-d4	95	62-146		
Toluene-d8	98	80-120			1,4-Bromofluorobenzene	93	60-132		
Toluene-d8-TPPH	100	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	12/24/10
5900 Hollis Street, Suite A		Work Order No:	10-12-2074
Emeryville, CA 94608-2008		Preparation:	EPA 5030C
		Method:	LUFT GC/MS / EPA 8260B
		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
B-37-19.5	10-12-2074-24-A	12/22/10 10:13	Solid	GC/MS UU	12/24/10	01/05/11 02:55	110104L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.92	0.50	100		Xylenes (total)	1.1	0.50	100	
Ethylbenzene	2.0	0.50	100		TPPH	70	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	93	63-141			1,2-Dichloroethane-d4	91	62-146		
Toluene-d8	96	80-120			1,4-Bromofluorobenzene	94	60-132		
Toluene-d8-TPPH	98	87-111							

B-33-5	10-12-2074-25-A	12/22/10 10:38	Solid	GC/MS UU	12/24/10	01/04/11 18:44	110104L01

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	27	0.50	1	E
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	103	63-141			1,2-Dichloroethane-d4	96	62-146		
Toluene-d8	104	80-120			1,4-Bromofluorobenzene	122	60-132		
Toluene-d8-TPPH	111	87-111							

B-33-5	10-12-2074-25-A	12/22/10 10:38	Solid	GC/MS UU	12/24/10	01/04/11 19:11	110104L02

Parameter	Result	RL	DF	Qual
TPPH	60	50	100	

B-33-10	10-12-2074-26-A	12/22/10 10:41	Solid	GC/MS PP	12/24/10	01/01/11 08:07	101231L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2.8	2.5	500		Xylenes (total)	140	2.5	500	
Ethylbenzene	36	2.5	500		TPPH	2000	250	500	E
Toluene	ND	2.5	500						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	63-141			1,2-Dichloroethane-d4	116	62-146		
Toluene-d8	103	80-120			1,4-Bromofluorobenzene	107	60-132		
Toluene-d8-TPPH	105	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	12/24/10
5900 Hollis Street, Suite A	Work Order No:	10-12-2074
Emeryville, CA 94608-2008	Preparation:	EPA 5030C
	Method:	LUFT GC/MS / EPA 8260B
	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
B-33-10	10-12-2074-26-A	12/22/10 10:41	Solid	GC/MS UU	12/24/10	01/04/11 19:39	110104L02

Parameter	Result	RL	DF	Qual
TPPH	1800	500	1000	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-33-15	10-12-2074-27-A	12/22/10 10:44	Solid	GC/MS UU	12/24/10	01/05/11 03:22	110104L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2.2	0.50	100		Xylenes (total)	5.7	0.50	100	
Ethylbenzene	4.3	0.50	100		TPPH	240	50	100	
Toluene	ND	0.50	100						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	89	63-141		1,2-Dichloroethane-d4	79	62-146	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	96	60-132	
Toluene-d8-TPPH	102	87-111					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-33-19.5	10-12-2074-28-A	12/22/10 10:47	Solid	GC/MS UU	12/24/10	01/04/11 15:06	110104L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.014	0.0050	1		Xylenes (total)	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		TPPH	0.95	0.50	1	
Toluene	ND	0.0050	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	108	63-141		1,2-Dichloroethane-d4	100	62-146	
Toluene-d8	96	80-120		1,4-Bromofluorobenzene	90	60-132	
Toluene-d8-TPPH	98	87-111					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-32-5	10-12-2074-29-A	12/22/10 12:34	Solid	GC/MS PP	12/24/10	01/05/11 20:32	110105L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	ND	0.50	100		TPPH	130	50	100	
Toluene	ND	0.50	100						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	123	63-141		1,2-Dichloroethane-d4	145	62-146	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	107	60-132	
Toluene-d8-TPPH	103	87-111					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	12/24/10
5900 Hollis Street, Suite A	Work Order No:	10-12-2074
Emeryville, CA 94608-2008	Preparation:	EPA 5030C
	Method:	LUFT GC/MS / EPA 8260B
	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
B-32-7	10-12-2074-30-A	12/22/10 12:36	Solid	GC/MS PP	12/24/10	01/05/11 16:50	110105L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	ND	0.50	100		TPPH	220	50	100	
Toluene	ND	0.50	100						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	114	63-141		1,2-Dichloroethane-d4	138	62-146	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	108	60-132	
Toluene-d8-TPPH	104	87-111					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-32-10	10-12-2074-31-A	12/22/10 12:40	Solid	GC/MS PP	12/24/10	01/05/11 17:46	110105L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.5	500		Xylenes (total)	ND	2.5	500	
Ethylbenzene	4.1	2.5	500		TPPH	2200	250	500	E
Toluene	ND	2.5	500						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	63-141		1,2-Dichloroethane-d4	122	62-146	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	108	60-132	
Toluene-d8-TPPH	106	87-111					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-32-10	10-12-2074-31-A	12/22/10 12:40	Solid	GC/MS PP	12/24/10	01/05/11 20:59	110105L03

Parameter	Result	RL	DF	Qual
TPPH	1800	500	1000	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-32-12	10-12-2074-32-A	12/22/10 12:42	Solid	GC/MS PP	12/24/10	01/05/11 19:09	110105L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.011	0.0050	1		Xylenes (total)	0.17	0.0050	1	
Ethylbenzene	0.17	0.0050	1		TPPH	10	0.50	1	E
Toluene	ND	0.0050	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	63-141		1,2-Dichloroethane-d4	122	62-146	
Toluene-d8	105	80-120		1,4-Bromofluorobenzene	112	60-132	
Toluene-d8-TPPH	106	87-111					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/24/10
Work Order No: 10-12-2074
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
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
B-32-12	10-12-2074-32-A	12/22/10 12:42	Solid	GC/MS PP	12/24/10	01/05/11 21:27	110105L03

Parameter	Result	RL	DF	Qual
TPPH	ND	50	100	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-32-15	10-12-2074-33-A	12/22/10 12:46	Solid	GC/MS PP	12/24/10	01/05/11 18:42	110105L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.5	500		Xylenes (total)	3.5	2.5	500	
Ethylbenzene	5.4	2.5	500		TPPH	260	250	500	
Toluene	ND	2.5	500						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	104	63-141			1,2-Dichloroethane-d4	125	62-146		
Toluene-d8	103	80-120			1,4-Bromofluorobenzene	106	60-132		
Toluene-d8-TPPH	103	87-111							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-32-19.5	10-12-2074-34-A	12/22/10 12:52	Solid	GC/MS UU	12/31/10	01/01/11 01:40	101231L03

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	0.54	0.50	1	
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	102	63-141			1,2-Dichloroethane-d4	93	62-146		
Toluene-d8	99	80-120			1,4-Bromofluorobenzene	92	60-132		
Toluene-d8-TPPH	101	87-111							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-31-5	10-12-2074-35-A	12/22/10 13:01	Solid	GC/MS UU	12/24/10	12/31/10 13:50	101231L01

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	107	63-141			1,2-Dichloroethane-d4	101	62-146		
Toluene-d8	94	80-120			1,4-Bromofluorobenzene	88	60-132		
Toluene-d8-TPPH	96	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	12/24/10
5900 Hollis Street, Suite A	Work Order No:	10-12-2074
Emeryville, CA 94608-2008	Preparation:	EPA 5030C
	Method:	LUFT GC/MS / EPA 8260B
	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
B-31-10	10-12-2074-36-A	12/22/10 13:06	Solid	GC/MS W	12/24/10	01/05/11 16:04	110105L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	0.62	0.50	100	
Ethylbenzene	0.77	0.50	100		TPPH	1900	50	100	E
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
Dibromofluoromethane	96	63-141			1,2-Dichloroethane-d4	100	62-146		
Toluene-d8	110	80-120			1,4-Bromofluorobenzene	109	60-132		
Toluene-d8-TPPH	96	87-111							

B-31-10	10-12-2074-36-A	12/22/10 13:06	Solid	GC/MS W	12/24/10	01/05/11 17:32	110105L02

Parameter	Result	RL	DF	Qual
TPPH	2300	500	1000	

B-31-12	10-12-2074-37-A	12/22/10 13:08	Solid	GC/MS W	12/24/10	01/05/11 17:02	110105L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	50	10000		Xylenes (total)	2600	50	10000	
Ethylbenzene	510	50	10000		TPPH	28000	5000	10000	
Toluene	89	50	10000						
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
Dibromofluoromethane	95	63-141			1,2-Dichloroethane-d4	99	62-146		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	99	60-132		
Toluene-d8-TPPH	101	87-111							

B-31-15	10-12-2074-38-A	12/22/10 13:11	Solid	GC/MS W	12/24/10	01/05/11 14:06	110105L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	3.5	0.50	100	
Ethylbenzene	2.0	0.50	100		TPPH	190	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
Dibromofluoromethane	96	63-141			1,2-Dichloroethane-d4	99	62-146		
Toluene-d8	104	80-120			1,4-Bromofluorobenzene	97	60-132		
Toluene-d8-TPPH	102	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	12/24/10
5900 Hollis Street, Suite A	Work Order No:	10-12-2074
Emeryville, CA 94608-2008	Preparation:	EPA 5030C
	Method:	LUFT GC/MS / EPA 8260B
	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
B-31-19.5	10-12-2074-39-A	12/22/10 13:15	Solid	GC/MS W	12/24/10	01/05/11 18:59	110105L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.039	0.0050	1		Xylenes (total)	0.0058	0.0050	1	
Ethylbenzene	0.024	0.0050	1		TPPH	3.2	0.50	1	
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	63-141			1,2-Dichloroethane-d4	103	62-146		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	100	60-132		
Toluene-d8-TPPH	99	87-111							

Method Blank	099-12-798-1,380	N/A	Solid	GC/MS UU	12/30/10	12/30/10 14:19	101230L01

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	63-141			1,2-Dichloroethane-d4	94	62-146		
Toluene-d8	99	80-120			1,4-Bromofluorobenzene	96	60-132		
Toluene-d8-TPPH	101	87-111							

Method Blank	099-12-798-1,384	N/A	Solid	GC/MS UU	12/31/10	12/31/10 13:22	101231L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Xylenes (total)	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		TPPH	ND	0.50	1	
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	104	63-141			1,2-Dichloroethane-d4	100	62-146		
Toluene-d8	96	80-120			1,4-Bromofluorobenzene	88	60-132		
Toluene-d8-TPPH	98	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	12/24/10
5900 Hollis Street, Suite A		Work Order No:	10-12-2074
Emeryville, CA 94608-2008		Preparation:	EPA 5030C
		Method:	LUFT GC/MS / EPA 8260B
		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	**099-12-798-1,388**	**N/A**	**Solid**	**GC/MS UU**	**12/31/10**	**01/01/11 01:12**	**101231L03**

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	105	63-141			1,2-Dichloroethane-d4	98	62-146		
Toluene-d8	97	80-120			1,4-Bromofluorobenzene	84	60-132		
Toluene-d8-TPPH	99	87-111							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-798-1,389**	**N/A**	**Solid**	**GC/MS UU**	**12/31/10**	**01/01/11 00:45**	**101231L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	ND	0.50	100		TPPH	ND	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	104	63-141			1,2-Dichloroethane-d4	98	62-146		
Toluene-d8	92	80-120			1,4-Bromofluorobenzene	90	60-132		
Toluene-d8-TPPH	94	87-111							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-798-1,390**	**N/A**	**Solid**	**GC/MS UU**	**01/03/11**	**01/03/11 13:34**	**110103L01**

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	110	63-141			1,2-Dichloroethane-d4	107	62-146		
Toluene-d8	96	80-120			1,4-Bromofluorobenzene	89	60-132		
Toluene-d8-TPPH	98	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/24/10
Work Order No: 10-12-2074
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
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	099-12-798-1,392	N/A	Solid	GC/MS PP	12/31/10	01/01/11 00:45	101231L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	ND	0.50	100		TPPH	ND	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	63-141			1,2-Dichloroethane-d4	117	62-146		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	103	60-132		
Toluene-d8-TPPH	102	87-111							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-798-1,393	N/A	Solid	GC/MS UU	01/03/11	01/03/11 14:02	110103L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	ND	0.50	100		TPPH	ND	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	63-141			1,2-Dichloroethane-d4	92	62-146		
Toluene-d8	93	80-120			1,4-Bromofluorobenzene	88	60-132		
Toluene-d8-TPPH	95	87-111							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-798-1,394	N/A	Solid	GC/MS UU	01/04/11	01/04/11 14:11	110104L01

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	107	63-141			1,2-Dichloroethane-d4	101	62-146		
Toluene-d8	98	80-120			1,4-Bromofluorobenzene	94	60-132		
Toluene-d8-TPPH	100	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	12/24/10
5900 Hollis Street, Suite A	Work Order No:	10-12-2074
Emeryville, CA 94608-2008	Preparation:	EPA 5030C
	Method:	LUFT GC/MS / EPA 8260B
	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	099-12-798-1,395	N/A	Solid	GC/MS UU	01/04/11	01/04/11 14:38	110104L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	ND	0.50	100		TPPH	ND	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	63-141			1,2-Dichloroethane-d4	98	62-146		
Toluene-d8	94	80-120			1,4-Bromofluorobenzene	91	60-132		
Toluene-d8-TPPH	96	87-111							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-798-1,396	N/A	Solid	GC/MS UU	01/04/11	01/05/11 00:39	110104L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	ND	0.50	100		TPPH	ND	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	63-141			1,2-Dichloroethane-d4	99	62-146		
Toluene-d8	96	80-120			1,4-Bromofluorobenzene	92	60-132		
Toluene-d8-TPPH	97	87-111							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-798-1,397	N/A	Solid	GC/MS W	01/05/11	01/05/11 13:37	110105L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	ND	0.50	100		TPPH	ND	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	98	63-141			1,2-Dichloroethane-d4	99	62-146		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	96	60-132		
Toluene-d8-TPPH	102	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	12/24/10
5900 Hollis Street, Suite A		Work Order No:	10-12-2074
Emeryville, CA 94608-2008		Preparation:	EPA 5030C
		Method:	LUFT GC/MS / EPA 8260B
		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	099-12-798-1,398	N/A	Solid	GC/MS PP	01/05/11	01/05/11 16:23	110105L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	ND	0.50	100		TPPH	ND	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	105	63-141			1,2-Dichloroethane-d4	126	62-146		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	106	60-132		
Toluene-d8-TPPH	103	87-111							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-798-1,399	N/A	Solid	GC/MS PP	01/05/11	01/05/11 14:02	110105L02

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	103	63-141			1,2-Dichloroethane-d4	122	62-146		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	108	60-132		
Toluene-d8-TPPH	101	87-111							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-798-1,400	N/A	Solid	GC/MS W	01/05/11	01/05/11 13:08	110105L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Xylenes (total)	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		TPPH	ND	0.50	1	
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	104	63-141			1,2-Dichloroethane-d4	104	62-146		
Toluene-d8	103	80-120			1,4-Bromofluorobenzene	98	60-132		
Toluene-d8-TPPH	102	87-111							

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 12/24/10
5900 Hollis Street, Suite A	Work Order No: 10-12-2074
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	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
B-35-19.5	Solid	GC/MS UU	12/24/10	12/30/10	101230S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	99	61-127	4	0-20	
Ethylbenzene	93	99	57-129	6	0-22	
Toluene	93	97	63-123	5	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates		Date Received:	12/24/10
5900 Hollis Street, Suite A		Work Order No:	10-12-2074
Emeryville, CA 94608-2008		Preparation:	EPA 5030C
		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
B-31-5	Solid	GC/MS UU	12/24/10	12/31/10	101231S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	84	61-127	10	0-20	
Ethylbenzene	84	70	57-129	18	0-22	
Toluene	86	78	63-123	10	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received:	12/24/10
5900 Hollis Street, Suite A	Work Order No:	10-12-2074
Emeryville, CA 94608-2008	Preparation:	EPA 5030C
	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
B-32-19.5	Solid	GC/MS UU	12/31/10	01/01/11	101231S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	93	92	61-127	1	0-20	
Ethylbenzene	91	87	57-129	5	0-22	
Toluene	90	87	63-123	3	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 12/24/10
5900 Hollis Street, Suite A	Work Order No: 10-12-2074
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	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
10-12-1973-30	Solid	GC/MS PP	12/31/10	01/01/11	101231S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	92	94	61-127	2	0-20	
Ethylbenzene	84	86	57-129	2	0-22	
Toluene	92	95	63-123	3	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 12/24/10
5900 Hollis Street, Suite A	Work Order No: 10-12-2074
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	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
B-30-15	Solid	GC/MS UU	01/03/11	01/03/11	110103S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	0	0	61-127	14	0-20	3
Ethylbenzene	0	1	57-129	8	0-22	3
Toluene	87	86	63-123	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 12/24/10
5900 Hollis Street, Suite A	Work Order No: 10-12-2074
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	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
B-33-19.5	Solid	GC/MS UU	01/04/11	01/04/11	110104S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	76	75	61-127	0	0-20	
Ethylbenzene	96	91	57-129	5	0-22	
Toluene	95	95	63-123	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 12/24/10
5900 Hollis Street, Suite A	Work Order No: 10-12-2074
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	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
B-31-15	Solid	GC/MS W	12/24/10	01/05/11	110105S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	105	104	61-127	1	0-20	
Ethylbenzene	93	92	57-129	1	0-22	
Toluene	104	103	63-123	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received:	12/24/10
5900 Hollis Street, Suite A	Work Order No:	10-12-2074
Emeryville, CA 94608-2008	Preparation:	EPA 5030C
	Method:	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
11-01-0107-17	Solid	GC/MS PP	01/05/11	01/05/11	110105S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	92	89	61-127	3	0-20	
Ethylbenzene	100	96	57-129	3	0-22	
Toluene	95	93	63-123	2	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received:	N/A
5900 Hollis Street, Suite A	Work Order No:	10-12-2074
Emeryville, CA 94608-2008	Preparation:	EPA 5030C
	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
099-12-798-1,380	Solid	GC/MS UU	12/30/10	12/30/10	101230L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	101	101	78-120	0	0-20	
Ethylbenzene	98	96	76-120	2	0-20	
Toluene	99	98	77-120	1	0-20	
TPPH	100	100	65-135	0	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates		Date Received:	N/A
5900 Hollis Street, Suite A		Work Order No:	10-12-2074
Emeryville, CA 94608-2008		Preparation:	EPA 5030C
		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
099-12-798-1,384	Solid	GC/MS UU	12/31/10	12/31/10	101231L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	97	100	78-120	3	0-20	
Ethylbenzene	101	99	76-120	1	0-20	
Toluene	99	102	77-120	3	0-20	
TPPH	102	103	65-135	1	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 10-12-2074
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	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
099-12-798-1,388	Solid	GC/MS UU	12/31/10	12/31/10	101231L03

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	95	78-120	3	0-20	
Ethylbenzene	96	94	76-120	2	0-20	
Toluene	99	97	77-120	2	0-20	
TPPH	100	98	65-135	3	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 10-12-2074
Preparation: EPA 5030C
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
099-12-798-1,392	Solid	GC/MS PP	12/31/10	12/31/10	101231L04

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	96	78-120	0	0-20	
Ethylbenzene	100	100	76-120	0	0-20	
Toluene	98	98	77-120	0	0-20	
TPPH	115	113	65-135	2	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received:	N/A
Work Order No:	10-12-2074
Preparation:	EPA 5030C
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
099-12-798-1,389	Solid	GC/MS UU	12/31/10	12/31/10	101231L04

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	95	78-120	3	0-20	
Ethylbenzene	96	94	76-120	2	0-20	
Toluene	99	97	77-120	2	0-20	
TPPH	100	98	65-135	3	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 10-12-2074
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	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
099-12-798-1,390	Solid	GC/MS UU	01/03/11	01/03/11	110103L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	97	78-120	2	0-20	
Ethylbenzene	99	100	76-120	1	0-20	
Toluene	99	97	77-120	2	0-20	
TPPH	98	93	65-135	5	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates		Date Received:	N/A
5900 Hollis Street, Suite A		Work Order No:	10-12-2074
Emeryville, CA 94608-2008		Preparation:	EPA 5030C
		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
099-12-798-1,393	Solid	GC/MS UU	01/03/11	01/03/11	110103L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	97	78-120	2	0-20	
Ethylbenzene	99	100	76-120	1	0-20	
Toluene	99	97	77-120	2	0-20	
TPPH	98	93	65-135	5	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received:	N/A
5900 Hollis Street, Suite A	Work Order No:	10-12-2074
Emeryville, CA 94608-2008	Preparation:	EPA 5030C
	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
099-12-798-1,394	Solid	GC/MS UU	01/04/11	01/04/11	110104L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	104	105	78-120	1	0-20	
Ethylbenzene	103	100	76-120	3	0-20	
Toluene	99	103	77-120	4	0-20	
TPPH	106	106	65-135	0	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 10-12-2074
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	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
099-12-798-1,395	Solid	GC/MS UU	01/04/11	01/04/11	110104L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	104	105	78-120	1	0-20	
Ethylbenzene	103	100	76-120	3	0-20	
Toluene	99	103	77-120	4	0-20	
TPPH	106	106	65-135	0	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received:	N/A
5900 Hollis Street, Suite A	Work Order No:	10-12-2074
Emeryville, CA 94608-2008	Preparation:	EPA 5030C
	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
099-12-798-1,396	Solid	GC/MS UU	01/04/11	01/04/11	110104L04

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	102	106	78-120	4	0-20	
Ethylbenzene	100	100	76-120	0	0-20	
Toluene	100	102	77-120	2	0-20	
TPPH	104	105	65-135	1	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates		Date Received:	N/A
5900 Hollis Street, Suite A		Work Order No:	10-12-2074
Emeryville, CA 94608-2008		Preparation:	EPA 5030C
		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
099-12-798-1,400	Solid	GC/MS W	01/05/11	01/05/11	110105L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	101	101	78-120	0	0-20	
Ethylbenzene	101	101	76-120	0	0-20	
Toluene	102	102	77-120	0	0-20	
TPPH	99	101	65-135	2	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received:	N/A
Work Order No:	10-12-2074
Preparation:	EPA 5030C
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
099-12-798-1,397	Solid	GC/MS W	01/05/11	01/05/11	110105L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	101	101	78-120	0	0-20	
Ethylbenzene	101	101	76-120	0	0-20	
Toluene	102	102	77-120	0	0-20	
TPPH	99	101	65-135	2	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received:	N/A
Work Order No:	10-12-2074
Preparation:	EPA 5030C
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
099-12-798-1,399	Solid	GC/MS PP	01/05/11	01/05/11	110105L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	95	96	78-120	1	0-20	
Ethylbenzene	101	103	76-120	2	0-20	
Toluene	99	100	77-120	0	0-20	
TPPH	115	114	65-135	1	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 10-12-2074
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	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
099-12-798-1,398	Solid	GC/MS PP	01/05/11	01/05/11	110105L03

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	95	96	78-120	1	0-20	
Ethylbenzene	101	103	76-120	2	0-20	
Toluene	99	100	77-120	0	0-20	
TPPH	115	114	65-135	1	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-12-2074

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

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

15

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 Nam: Denis Brown

INCIDENT # (ENV SERVICES): 97093397 [ ] CHECK IF NO INCIDENT # APPLIES

DATE: _____

PAGE: _____ of _____

PO # _____

SAP # _____

SAMPLING COMPANY: Conestoga-Rovers & Associates

LOG CODE: CRAW

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

State: _____

GLOBAL ID NO: T0600101876

ADDRESS: 5900 Hollis St, Suite A, Emeryville, CA

EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville

PHONE NO: 510-420-3343

E-MAIL: shell.em.edf@craworld.com

CONSULTANT PROJECT NO: 240781-95-10.10

PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer

TELEPHONE: 510-420-3319

FAX: 510-420-9170

E-MAIL: pshcaefer@craworld.com

SAMPLER NAME(S) (Print): Christine Orlowski

LAB USE ONLY: 10-12-3074

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	OTHER	NO. OF CONT.	TPHg (8260B)	BTEX (8260B)	Container PID Readings or Laboratory Notes
1	B-25-5	12/23/10	0806	Soil				X			X	X	Container I.D. No.:
2	B-25-10	12/23/10	0814										Container I.D. No.:
3	B-25-15	12/23/10	0824										Container I.D. No.:
4	B-25-19.5	12/23/10	0830										Container I.D. No.:
5	B-30-5	12/23/10	0857										Container I.D. No.:
6	B-30-10	12/23/10	0906										Container I.D. No.:
7	B-30-15	12/23/10	0918										Container I.D. No.:
8	B-30-19.5	12/23/10	0929										
		12/23/10											
		12/23/10											

TEMPERATURE ON RECEIPT C°

	Relinquished by: (Signature)	Received by: (Signature)	Date	Time
1		Secure location	12-23-10	1207
2		CEL	12/23/10	1420
3	12/23/10 1730	CEL	12/24/10	0930

05/2/06 Revision

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): 97093937 [ ] CHECK IF NO INCIDENT # APPLIES

DATE: _____

PO #: _____

SAP #: _____

PAGE: _____ of _____

SAMPLING COMPANY	Conestoga-Rovers & Associates
LOG CODE	CRAW
ADDRESS	5900 Hollis St., Suite A, Emeryville, CA
PROJECT CONTACT (Hardcopy or PDF Report to)	Peter Schaefer
TELEPHONE	510-420-3319
FAX	510-420-9170
E-MAIL	pshcaefer@craworld.com
SITE ADDRESS: Street and City	2703 Martin Luther King Jr. Way, Oakland, CA
State	
GLOBAL ID NO	T0600101876
EDF DELIVERABLE TO (Name, Company, Office Location)	Brenda Carter, CRA, Emeryville
PHONE NO	510-420-3343
E-MAIL	shell.em.edf@craworld.com
CONSULTANT PROJECT NO	240781-95-10.10
SAMPLER NAME(S) (Print)	Christine Orlowski
LAB USE ONLY	10-12->074

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	OTHER	NO. OF CONT.	TPHg (8260B)	BTEX (8260B)	TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
9	B-35-5	12/22/10	0800	Soil				X			X	X	Container I.D. No.:
10	B-35-10	12/22/10	0802	Soil									Container I.D. No.:
11	B-35-15	12/22/10	0804	Soil									Container I.D. No.:
12	B-35-~~20~~19.5	12/22/10	0806	Soil									Container I.D. No.:
13	B-34-5	12/22/10	0820	Soil									Container I.D. No.:
14	B-34-10	12/22/10	0829	Soil									Container I.D. No.:
15	B-34-15	12/22/10	0830	Soil									Container I.D. No.:
16	B-34-~~20~~19.5	12/22/10	0833	Soil									
17	B-36-5	12/22/10	0848	Soil									
18	B-36-10	12/22/10	0851	Soil									

Relinquished by: (Signature)	Received by: (Signature)	Date: 12/22/10	Time: 1545
Relinquished by: (Signature)	Received by: (Signature) CEL	Date: 12/23/10	Time: 1420
Relinquished by: (Signature) 12/23/10 1730	Received by: (Signature) CEL	Date: 12/24/10	Time: 0930

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

PO #: SAP #:

DATE: PAGE: of

SAMPLING COMPANY: Conestoga-Rovers & Associates	LOG CODE: CRAW
ADDRESS: 5900 Hollis St., Suite A, Emeryville, CA	
PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer	
TELEPHONE: 510-420-3319	FAX: 510-420-9170
E-MAIL: pshcaefer@craworld.com	
SITE ADDRESS: Street and City: 2703 Martin Luther King Jr. Way, Oakland, CA	State:
GLOBAL ID NO: T0600101876	
EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville	PHONE NO: 510-420-3343
E-MAIL: shell.em.edf@craworld.com	CONSULTANT PROJECT NO: 240781-95-10.10
SAMPLER NAME(S) (Print): Christine Orlowski	LAB USE ONLY: 10-12-2074

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPHg (8260B)	BTEX (8260B)	TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
19	B-36-15	12/22/10	0853	Soil				X			X	X	Container I.D. No.:
20	B-36-~~20~~ 19.5	12/22/10	0856	Soil				|			|	|	Container I.D. No.:
21	B-37-5	12/22/10	1000	|				|			|	|	Container I.D. No.:
22	B-37-10	12/22/10	1003	|				|			|	|	Container I.D. No.:
23	B-37-15	12/22/10	1009	|				|			|	|	Container I.D. No.:
24	B-37-~~20~~ 19.5	12/22/10	1013	|				|			|	|	Container I.D. No.:
25	B-33-5	12/22/10	1038	|				|			|	|	Container I.D. No.:
26	B-33-10	12/22/10	1041	|				|			|	|	
27	B-33-15	12/22/10	1044	|				|			|	|	
28	B-33-~~20~~ 19.5	12/22/10	1047	|				|			|	|	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	Secure Location	12/22/10	1546
[signature]	[signature] CEL	12/23/10	1420
[signature] 12/23/10 1730	[signature] CEL	12/24/10	0930

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: ______

PAGE: ____ of ____

PO #:

SAP #:

SAMPLING COMPANY: Conestoga-Rovers & Associates

LOG CODE: CRAW

ADDRESS: 5900 Hollis St., Suite A, Emeryville, CA

PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer

TELEPHONE: 510-420-3319

FAX: 510-420-9170

E-MAIL: pshcaefer@craworld.com

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

State:

GLOBAL ID NO: T0600101876

EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville

PHONE NO: 510-420-3343

E-MAIL: shell.em.edf@craworld.com

CONSULTANT PROJECT NO: 240781-95-10.10

SAMPLER NAME(S) (Print): Christine Orlowski

LAB USE ONLY: 10-12-2074

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	OTHER	NO. OF CONT.	TPHg (8260B)	BTEX (8260B)	Container PID Readings or Laboratory Notes
29	B-32-5	12/22/10	1234	Soil				X			X	X	Container I.D. No.:
30	B-32-7	12/22/10	1236										Container I.D. No.:
31	B-32-10	12/22/10	1240										Container I.D. No.:
32	B-32-12	12/22/10	1242										Container I.D. No.:
33	B-32-15	12/22/10	1246										Container I.D. No.:
34	B-32-~~20~~ co 19.5	12/22/10	1252										Container I.D. No.:
35	B-31-5	12/22/10	1301										Container I.D. No.:
36	B-31-10	12/22/10	1306										
37	B-31-12	12/22/10	1308										
38	B-31-15	12/22/10	1311										

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	Secure Location	12/22/10	1547
[signature]	[signature] CEL	12/23/10	1420
[signature] to [signature] 12/23/10 1730	[signature] CEL	12/24/10	0930

05/2/06 Revision

5/5

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): 97093937

- [ ] CHECK IF NO INCIDENT # APPLIES

DATE: _____

PAGE: _____ of _____

PO # _____

SAP # _____

SAMPLING COMPANY	LOG CODE
Conestoga-Rovers & Associates	CRAW

SITE ADDRESS: Street and City	State	GLOBAL ID NO
2703 Martin Luther King Jr. Way, Oakland, CA		T0600101876

ADDRESS	EDF DELIVERABLE TO (Name, Company, Office Location)	PHONE NO	E-MAIL	CONSULTANT PROJECT NO
5900 Hollis St., Suite A, Emeryville, CA	Brenda Carter, CRA, Emeryville	510-420-3343	shell.em.edf@craworld.com	240781-95-10.10

PROJECT CONTACT (Hardcopy or PDF Report to)	TELEPHONE	FAX	E-MAIL
Peter Schaefer	510-420-3319	510-420-9170	pshcaefer@craworld.com

SAMPLER NAME(S) (Print): Christine Orlowski

LAB USE ONLY: 10-12-3074

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	OTHER	NO. OF CONT.	TPHg (8260B)	BTEX (8260B)	TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
39	B-31-~~20~~ 195 00	12/22/10	1315	Soil				X			X	X	Container I.D. No.:
													Container I.D. No.:
													Container I.D. No.:
													Container I.D. No.:
													Container I.D. No.:
													Container I.D. No.:
													Container I.D. No.:

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Christine Orlowski	Secure Location	12/22/10	1548
[illegible]	CEL	12/23/10	1420
[illegible] to GSO 12/23/10 1730	CEL	12/24/10	0930

05/2/06 Revision

GSO EXPRESS COURIER SERVICE

074

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800-322-5555 www.gso.com

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ALAN KEMP
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CEL
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GARDEN GROVE, CA 92841

COD:
$0.00

Reference:
CRA

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 515629589

NPS

ORC

D

GARDEN GROVE

D92843A

87392989

Print Date : 12/23/10 16:00 PM

Package 1 of 1

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

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-12-2 0 7 4

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: CRA DATE: 12/24/10

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

Temperature 2.0 °C + 0.5 °C (CF) = 2.5 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter Initial: YL

CUSTODY SEALS INTACT:

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

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

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☐	☑	☐
☑ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

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

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

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

Preservative: h: HCL n: HNO_3 na_2: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** WSC

Calscience
Environmental
Laboratories, Inc.

January 06, 2011

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

Subject: **Calscience Work Order No.: 10-12-1973**
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 12/23/2010 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

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

Calscience
Environmental
Laboratories, Inc.

CASE NARRATIVE

Calscience Work Order No.: 10-12-1973

EPA 8260/5030 – E Qualifiers :

Lab Sample ID	Client Sample ID	Compound Name
10-12-1973-17	B-46-5	TPPH
10-12-1973-27	B-38-8.5	TPPH
10-12-1973-29	B-38-15	TPPH

The samples listed above were originally analyzed without dilution (DF=1). All target analytes were well within the calibration range with the exception of the compounds referenced above which exceeded the calibration range and required a dilution.

A methanol extract of each sample was prepared for dilution analysis. The maximum amount of methanol that can be used for the dilution into reagent water without causing instrumental problems is 100µL. Thus, the dilution factor for the methanol extraction is 100x (DF=100). However, at this dilution, these compounds were not detected at or above the reporting limits (RL).

Both results, with and without dilution, are included in this report. The results in the original runs have been flagged with an "E" qualifier indicating that the concentration found in the sample exceeded the calibration range of the instrument. The results in the dilution runs were non-detect at or above the RL.

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/23/10
Work Order No: 10-12-1973
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
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
B-48-5	10-12-1973-1-A	12/21/10 07:50	Solid	GC/MS PP	12/23/10	12/30/10 03:22	101229L04

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	1.0	0.50	1	
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	63-141			1,2-Dichloroethane-d4	119	62-146		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	105	60-132		
Toluene-d8-TPPH	102	87-111							

B-48-10	10-12-1973-2-A	12/21/10 07:55	Solid	GC/MS PP	12/23/10	12/28/10 23:18	101228L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	ND	0.50	100		TPPH	74	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	115	63-141			1,2-Dichloroethane-d4	128	62-146		
Toluene-d8	103	80-120			1,4-Bromofluorobenzene	103	60-132		
Toluene-d8-TPPH	104	87-111							

B-48-15	10-12-1973-3-A	12/21/10 08:00	Solid	GC/MS PP	12/23/10	12/28/10 21:56	101228L01

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	103	63-141			1,2-Dichloroethane-d4	114	62-146		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	104	60-132		
Toluene-d8-TPPH	103	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received: 12/23/10
5900 Hollis Street, Suite A	Work Order No: 10-12-1973
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	Method: LUFT GC/MS / EPA 8260B
	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
B-48-19.5	10-12-1973-4-A	12/21/10 08:05	Solid	GC/MS PP	12/23/10	12/30/10 16:24	101230L01

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	102	63-141			1,2-Dichloroethane-d4	125	62-146		
Toluene-d8	105	80-120			1,4-Bromofluorobenzene	104	60-132		
Toluene-d8-TPPH	105	87-111							

B-44-5	10-12-1973-5-A	12/21/10 08:15	Solid	GC/MS PP	12/23/10	12/30/10 16:52	101230L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.0088	0.0050	1		Xylenes (total)	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		TPPH	1.3	0.50	1	
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	63-141			1,2-Dichloroethane-d4	117	62-146		
Toluene-d8	104	80-120			1,4-Bromofluorobenzene	106	60-132		
Toluene-d8-TPPH	105	87-111							

B-44-10	10-12-1973-6-A	12/21/10 08:20	Solid	GC/MS PP	12/23/10	12/30/10 04:44	101229L05

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.5	500		Xylenes (total)	ND	2.5	500	
Ethylbenzene	13	2.5	500		TPPH	570	250	500	
Toluene	ND	2.5	500						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	102	63-141			1,2-Dichloroethane-d4	116	62-146		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	104	60-132		
Toluene-d8-TPPH	104	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/23/10
Work Order No: 10-12-1973
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
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
B-44-15	10-12-1973-7-A	12/21/10 08:25	Solid	GC/MS PP	12/23/10	12/30/10 17:19	101230L01

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	102	63-141			1,2-Dichloroethane-d4	124	62-146		
Toluene-d8	103	80-120			1,4-Bromofluorobenzene	103	60-132		
Toluene-d8-TPPH	104	87-111							

B-44-19.5	10-12-1973-8-A	12/21/10 08:30	Solid	GC/MS PP	12/23/10	12/30/10 17:47	101230L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Xylenes (total)	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		TPPH	ND	0.50	1	
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	104	63-141			1,2-Dichloroethane-d4	122	62-146		
Toluene-d8	104	80-120			1,4-Bromofluorobenzene	106	60-132		
Toluene-d8-TPPH	105	87-111							

B-45-5	10-12-1973-9-A	12/21/10 08:35	Solid	GC/MS PP	12/23/10	12/30/10 18:15	101230L01

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	1.2	0.50	1	
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	63-141			1,2-Dichloroethane-d4	118	62-146		
Toluene-d8	104	80-120			1,4-Bromofluorobenzene	104	60-132		
Toluene-d8-TPPH	105	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	12/23/10
5900 Hollis Street, Suite A	Work Order No:	10-12-1973
Emeryville, CA 94608-2008	Preparation:	EPA 5030C
	Method:	LUFT GC/MS / EPA 8260B
	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
B-45-10	10-12-1973-10-A	12/21/10 08:40	Solid	GC/MS PP	12/23/10	12/31/10 16:57	101231L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	ND	0.50	100		TPPH	200	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	111	63-141			1,2-Dichloroethane-d4	128	62-146		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	102	60-132		
Toluene-d8-TPPH	103	87-111							

B-45-15	10-12-1973-11-A	12/21/10 08:45	Solid	GC/MS PP	12/23/10	12/30/10 18:42	101230L01

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	103	63-141			1,2-Dichloroethane-d4	122	62-146		
Toluene-d8	103	80-120			1,4-Bromofluorobenzene	108	60-132		
Toluene-d8-TPPH	104	87-111							

B-45-19.5	10-12-1973-12-A	12/21/10 08:50	Solid	GC/MS PP	12/23/10	12/30/10 01:59	101229L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Xylenes (total)	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		TPPH	ND	0.50	1	
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	104	63-141			1,2-Dichloroethane-d4	121	62-146		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	104	60-132		
Toluene-d8-TPPH	103	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/23/10
Work Order No: 10-12-1973
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
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
B-47-5	10-12-1973-13-A	12/21/10 10:10	Solid	GC/MS PP	12/23/10	12/30/10 19:10	101230L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Xylenes (total)	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		TPPH	ND	0.50	1	
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	104	63-141			1,2-Dichloroethane-d4	120	62-146		
Toluene-d8	104	80-120			1,4-Bromofluorobenzene	105	60-132		
Toluene-d8-TPPH	105	87-111							

B-47-10	10-12-1973-14-A	12/21/10 10:15	Solid	GC/MS PP	12/23/10	12/31/10 17:24	101231L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	ND	0.50	100		TPPH	130	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	114	63-141			1,2-Dichloroethane-d4	128	62-146		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	106	60-132		
Toluene-d8-TPPH	102	87-111							

B-47-15	10-12-1973-15-A	12/21/10 10:20	Solid	GC/MS PP	12/23/10	12/30/10 19:38	101230L01

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	103	63-141			1,2-Dichloroethane-d4	124	62-146		
Toluene-d8	104	80-120			1,4-Bromofluorobenzene	104	60-132		
Toluene-d8-TPPH	105	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/23/10
Work Order No: 10-12-1973
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
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
B-47-19.5	10-12-1973-16-A	12/21/10 10:25	Solid	GC/MS PP	12/23/10	12/30/10 03:49	101229L04

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	93	63-141			1,2-Dichloroethane-d4	106	62-146		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	101	60-132		
Toluene-d8-TPPH	102	87-111							

B-46-5	10-12-1973-17-A	12/21/10 10:35	Solid	GC/MS PP	12/23/10	12/30/10 21:56	101230L01

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	8.4	0.50	1	E
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	99	63-141			1,2-Dichloroethane-d4	114	62-146		
Toluene-d8	104	80-120			1,4-Bromofluorobenzene	110	60-132		
Toluene-d8-TPPH	107	87-111							

B-46-5	10-12-1973-17-A	12/21/10 10:35	Solid	GC/MS PP	12/23/10	12/30/10 08:53	101229L05

Parameter	Result	RL	DF	Qual
TPPH	ND	50	100	

B-46-8.5	10-12-1973-18-A	12/21/10 10:36	Solid	GC/MS PP	12/23/10	12/31/10 17:52	101231L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	ND	0.50	100		TPPH	210	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	109	63-141			1,2-Dichloroethane-d4	125	62-146		
Toluene-d8	103	80-120			1,4-Bromofluorobenzene	106	60-132		
Toluene-d8-TPPH	103	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/23/10
Work Order No: 10-12-1973
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
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
B-46-10	10-12-1973-19-A	12/21/10 10:40	Solid	GC/MS PP	12/23/10	12/31/10 18:19	101231L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.5	500		Xylenes (total)	5.8	2.5	500	
Ethylbenzene	ND	2.5	500		TPPH	1000	250	500	
Toluene	ND	2.5	500						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	73	63-141			1,2-Dichloroethane-d4	105	62-146		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	104	60-132		
Toluene-d8-TPPH	103	87-111							

B-46-15	10-12-1973-20-A	12/21/10 10:45	Solid	GC/MS PP	12/23/10	12/30/10 20:05	101230L01

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	100	63-141			1,2-Dichloroethane-d4	121	62-146		
Toluene-d8	104	80-120			1,4-Bromofluorobenzene	105	60-132		
Toluene-d8-TPPH	106	87-111							

B-46-19.5	10-12-1973-21-A	12/21/10 10:50	Solid	GC/MS PP	12/23/10	12/30/10 14:34	101230L01

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	101	63-141			1,2-Dichloroethane-d4	122	62-146		
Toluene-d8	104	80-120			1,4-Bromofluorobenzene	103	60-132		
Toluene-d8-TPPH	105	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	12/23/10
5900 Hollis Street, Suite A	Work Order No:	10-12-1973
Emeryville, CA 94608-2008	Preparation:	EPA 5030C
	Method:	LUFT GC/MS / EPA 8260B
	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
B-43-5	10-12-1973-22-A	12/21/10 10:55	Solid	GC/MS PP	12/23/10	12/31/10 18:47	101231L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	ND	0.50	100		TPPH	170	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	122	63-141			1,2-Dichloroethane-d4	141	62-146		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	106	60-132		
Toluene-d8-TPPH	103	87-111							

B-43-10	10-12-1973-23-A	12/21/10 11:00	Solid	GC/MS PP	12/23/10	12/31/10 19:14	101231L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.5	500		Xylenes (total)	7.3	2.5	500	
Ethylbenzene	21	2.5	500		TPPH	1300	250	500	
Toluene	ND	2.5	500						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	63-141			1,2-Dichloroethane-d4	115	62-146		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	103	60-132		
Toluene-d8-TPPH	103	87-111							

B-43-15	10-12-1973-24-A	12/21/10 11:05	Solid	GC/MS PP	12/23/10	12/30/10 20:33	101230L01

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	1.0	0.50	1	
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	63-141			1,2-Dichloroethane-d4	120	62-146		
Toluene-d8	103	80-120			1,4-Bromofluorobenzene	107	60-132		
Toluene-d8-TPPH	105	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	12/23/10
5900 Hollis Street, Suite A	Work Order No:	10-12-1973
Emeryville, CA 94608-2008	Preparation:	EPA 5030C
	Method:	LUFT GC/MS / EPA 8260B
	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
B-43-19.5	10-12-1973-25-A	12/21/10 11:10	Solid	GC/MS PP	12/23/10	12/30/10 21:00	101230L01

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	102	63-141			1,2-Dichloroethane-d4	122	62-146		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	103	60-132		
Toluene-d8-TPPH	102	87-111							

B-38-5	10-12-1973-26-A	12/21/10 13:15	Solid	GC/MS PP	12/23/10	12/30/10 21:28	101230L01

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	1.2	0.50	1	
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	105	63-141			1,2-Dichloroethane-d4	124	62-146		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	109	60-132		
Toluene-d8-TPPH	104	87-111							

B-38-8.5	10-12-1973-27-A	12/21/10 13:16	Solid	GC/MS PP	12/23/10	12/31/10 15:06	101231L01

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	8.5	0.50	1	E
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	104	63-141			1,2-Dichloroethane-d4	124	62-146		
Toluene-d8	103	80-120			1,4-Bromofluorobenzene	114	60-132		
Toluene-d8-TPPH	105	87-111							

B-38-8.5	10-12-1973-27-A	12/21/10 13:16	Solid	GC/MS PP	12/23/10	12/31/10 15:34	101231L02

Parameter	Result	RL	DF	Qual
TPPH	ND	50	100	

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:	12/23/10
Work Order No:	10-12-1973
Preparation:	EPA 5030C
Method:	LUFT GC/MS / EPA 8260B
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
B-38-10	10-12-1973-28-A	12/21/10 13:20	Solid	GC/MS PP	12/23/10	12/31/10 19:42	101231L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.5	500		Xylenes (total)	ND	2.5	500	
Ethylbenzene	ND	2.5	500		TPPH	980	250	500	
Toluene	ND	2.5	500						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	63-141			1,2-Dichloroethane-d4	115	62-146		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	106	60-132		
Toluene-d8-TPPH	103	87-111							

B-38-15	10-12-1973-29-A	12/21/10 13:25	Solid	GC/MS PP	12/23/10	12/31/10 16:01	101231L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.10	0.0050	1		Xylenes (total)	0.070	0.0050	1	
Ethylbenzene	0.23	0.0050	1	E	TPPH	14	0.50	1	E
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	105	63-141			1,2-Dichloroethane-d4	124	62-146		
Toluene-d8	107	80-120			1,4-Bromofluorobenzene	109	60-132		
Toluene-d8-TPPH	109	87-111							

B-38-15	10-12-1973-29-A	12/21/10 13:25	Solid	GC/MS PP	12/23/10	12/31/10 16:29	101231L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Ethylbenzene	1.1	0.50	100		TPPH	ND	50	100	

B-38-19.5	10-12-1973-30-A	12/21/10 13:30	Solid	GC/MS PP	12/23/10	01/01/11 01:40	101231L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Xylenes (total)	0.0065	0.0050	1	
Ethylbenzene	0.0082	0.0050	1		TPPH	0.93	0.50	1	
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	107	63-141			1,2-Dichloroethane-d4	122	62-146		
Toluene-d8	103	80-120			1,4-Bromofluorobenzene	107	60-132		
Toluene-d8-TPPH	105	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/23/10
Work Order No: 10-12-1973
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
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
B-40-5	10-12-1973-31-A	12/21/10 13:40	Solid	GC/MS PP	12/23/10	12/31/10 20:10	101231L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	ND	0.50	100		TPPH	68	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	116	63-141			1,2-Dichloroethane-d4	130	62-146		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	105	60-132		
Toluene-d8-TPPH	102	87-111							

B-40-10	10-12-1973-32-A	12/21/10 13:45	Solid	GC/MS UU	12/23/10	01/03/11 17:52	110103L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	10	2000		Xylenes (total)	430	10	2000	
Ethylbenzene	65	10	2000		TPPH	4200	1000	2000	
Toluene	63	10	2000						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	96	63-141			1,2-Dichloroethane-d4	89	62-146		
Toluene-d8	96	80-120			1,4-Bromofluorobenzene	96	60-132		
Toluene-d8-TPPH	97	87-111							

B-40-12.5	10-12-1973-33-A	12/21/10 13:46	Solid	GC/MS PP	12/23/10	12/31/10 21:05	101231L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.5	500		Xylenes (total)	38	2.5	500	
Ethylbenzene	6.6	2.5	500		TPPH	470	250	500	
Toluene	ND	2.5	500						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	98	63-141			1,2-Dichloroethane-d4	114	62-146		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	106	60-132		
Toluene-d8-TPPH	101	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	12/23/10
5900 Hollis Street, Suite A	Work Order No:	10-12-1973
Emeryville, CA 94608-2008	Preparation:	EPA 5030C
	Method:	LUFT GC/MS / EPA 8260B
	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
B-40-15	10-12-1973-34-A	12/21/10 13:50	Solid	GC/MS UU	12/23/10	01/03/11 18:19	110103L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.74	0.50	100		Xylenes (total)	2.7	0.50	100	
Ethylbenzene	2.2	0.50	100		TPPH	200	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	92	63-141			1,2-Dichloroethane-d4	83	62-146		
Toluene-d8	96	80-120			1,4-Bromofluorobenzene	94	60-132		
Toluene-d8-TPPH	98	87-111							

B-40-19.5	10-12-1973-35-A	12/21/10 13:55	Solid	GC/MS PP	12/23/10	12/31/10 13:43	101231L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Xylenes (total)	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		TPPH	ND	0.50	1	
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	104	63-141			1,2-Dichloroethane-d4	125	62-146		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	106	60-132		
Toluene-d8-TPPH	104	87-111							

B-39-5	10-12-1973-36-A	12/21/10 14:00	Solid	GC/MS PP	12/23/10	01/01/11 03:31	101231L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	ND	0.50	100		TPPH	140	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	113	63-141			1,2-Dichloroethane-d4	128	62-146		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	106	60-132		
Toluene-d8-TPPH	103	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	12/23/10
5900 Hollis Street, Suite A		Work Order No:	10-12-1973
Emeryville, CA 94608-2008		Preparation:	EPA 5030C
		Method:	LUFT GC/MS / EPA 8260B
		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
B-39-8.5	10-12-1973-37-A	12/21/10 14:02	Solid	GC/MS PP	12/23/10	01/01/11 03:58	101231L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	ND	0.50	100		TPPH	140	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	115	63-141			1,2-Dichloroethane-d4	128	62-146		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	103	60-132		
Toluene-d8-TPPH	101	87-111							

B-39-10	10-12-1973-38-A	12/21/10 14:05	Solid	GC/MS PP	12/23/10	01/01/11 04:26	101231L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2.5	2.5	500		Xylenes (total)	67	2.5	500	
Ethylbenzene	30	2.5	500		TPPH	3100	250	500	E
Toluene	ND	2.5	500						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	102	63-141			1,2-Dichloroethane-d4	117	62-146		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	104	60-132		
Toluene-d8-TPPH	103	87-111							

B-39-10	10-12-1973-38-A	12/21/10 14:05	Solid	GC/MS UU	12/23/10	01/03/11 18:46	110103L02

Parameter	Result	RL	DF	Qual
TPPH	2600	1000	2000	

B-39-15	10-12-1973-39-A	12/21/10 14:10	Solid	GC/MS PP	12/23/10	01/01/11 04:54	101231L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	0.63	0.50	100	
Ethylbenzene	1.6	0.50	100		TPPH	190	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	125	63-141			1,2-Dichloroethane-d4	146	62-146		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	106	60-132		
Toluene-d8-TPPH	101	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/23/10
Work Order No: 10-12-1973
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
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
B-39-19.5	10-12-1973-40-A	12/21/10 14:15	Solid	GC/MS UU	12/23/10	01/03/11 19:13	110103L01

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	103	63-141			1,2-Dichloroethane-d4	92	62-146		
Toluene-d8	94	80-120			1,4-Bromofluorobenzene	91	60-132		
Toluene-d8-TPPH	96	87-111							

Method Blank	099-12-798-1,371	N/A	Solid	GC/MS PP	12/28/10	12/28/10 15:57	101228L01

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	103	63-141			1,2-Dichloroethane-d4	117	62-146		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	104	60-132		
Toluene-d8-TPPH	102	87-111							

Method Blank	099-12-798-1,372	N/A	Solid	GC/MS PP	12/28/10	12/28/10 16:25	101228L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	ND	0.50	100		TPPH	ND	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	129	63-141			1,2-Dichloroethane-d4	142	62-146		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	102	60-132		
Toluene-d8-TPPH	102	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/23/10
Work Order No: 10-12-1973
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
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	099-12-798-1,379	N/A	Solid	GC/MS PP	12/29/10	12/30/10 01:31	101229L04

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	100	63-141			1,2-Dichloroethane-d4	112	62-146		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	101	60-132		
Toluene-d8-TPPH	103	87-111							

Method Blank	099-12-798-1,381	N/A	Solid	GC/MS PP	12/29/10	12/30/10 01:04	101229L05

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	ND	0.50	100		TPPH	ND	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	63-141			1,2-Dichloroethane-d4	114	62-146		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	102	60-132		
Toluene-d8-TPPH	102	87-111							

Method Blank	099-12-798-1,382	N/A	Solid	GC/MS PP	12/30/10	12/30/10 14:06	101230L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Xylenes (total)	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		TPPH	ND	0.50	1	
Toluene	ND	0.0050	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	104	63-141			1,2-Dichloroethane-d4	120	62-146		
Toluene-d8	103	80-120			1,4-Bromofluorobenzene	104	60-132		
Toluene-d8-TPPH	104	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/23/10
Work Order No: 10-12-1973
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
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	**099-12-798-1,385**	**N/A**	**Solid**	**GC/MS PP**	**12/31/10**	**12/31/10 13:16**	**101231L01**

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	102	63-141			1,2-Dichloroethane-d4	122	62-146		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	105	60-132		
Toluene-d8-TPPH	102	87-111							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-798-1,387**	**N/A**	**Solid**	**GC/MS PP**	**12/31/10**	**12/31/10 12:48**	**101231L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	ND	0.50	100		TPPH	ND	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	63-141			1,2-Dichloroethane-d4	119	62-146		
Toluene-d8	103	80-120			1,4-Bromofluorobenzene	104	60-132		
Toluene-d8-TPPH	104	87-111							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-798-1,390**	**N/A**	**Solid**	**GC/MS UU**	**01/03/11**	**01/03/11 13:34**	**110103L01**

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	110	63-141			1,2-Dichloroethane-d4	107	62-146		
Toluene-d8	96	80-120			1,4-Bromofluorobenzene	89	60-132		
Toluene-d8-TPPH	98	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/23/10
Work Order No: 10-12-1973
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
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	099-12-798-1,391	N/A	Solid	GC/MS PP	12/31/10	01/01/11 01:13	101231L03

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	101	63-141			1,2-Dichloroethane-d4	115	62-146		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	105	60-132		
Toluene-d8-TPPH	101	87-111							

Method Blank	099-12-798-1,392	N/A	Solid	GC/MS PP	12/31/10	01/01/11 00:45	101231L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	ND	0.50	100		TPPH	ND	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	63-141			1,2-Dichloroethane-d4	117	62-146		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	103	60-132		
Toluene-d8-TPPH	102	87-111							

Method Blank	099-12-798-1,393	N/A	Solid	GC/MS UU	01/03/11	01/03/11 14:02	110103L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	ND	0.50	100		TPPH	ND	50	100	
Toluene	ND	0.50	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	63-141			1,2-Dichloroethane-d4	92	62-146		
Toluene-d8	93	80-120			1,4-Bromofluorobenzene	88	60-132		
Toluene-d8-TPPH	95	87-111							

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: 12/23/10
Work Order No: 10-12-1973
Preparation: EPA 5030C
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
10-12-2039-4	Solid	GC/MS PP	12/23/10	12/28/10	101228S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	101	61-127	1	0-20	
Ethylbenzene	103	103	57-129	0	0-22	
Toluene	101	103	63-123	2	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 12/23/10
5900 Hollis Street, Suite A	Work Order No: 10-12-1973
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	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
B-45-19.5	Solid	GC/MS PP	12/23/10	12/30/10	101229S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	90	95	61-127	5	0-20	
Ethylbenzene	94	101	57-129	7	0-22	
Toluene	93	98	63-123	5	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 12/23/10
5900 Hollis Street, Suite A	Work Order No: 10-12-1973
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	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
B-46-19.5	Solid	GC/MS PP	12/23/10	12/30/10	101230S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	96	61-127	1	0-20	
Ethylbenzene	104	102	57-129	2	0-22	
Toluene	101	99	63-123	2	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 12/23/10
5900 Hollis Street, Suite A	Work Order No: 10-12-1973
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	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
B-40-19.5	Solid	GC/MS PP	12/31/10	12/31/10	101231S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	95	96	61-127	2	0-20	
Ethylbenzene	100	103	57-129	3	0-22	
Toluene	98	101	63-123	3	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 12/23/10
5900 Hollis Street, Suite A	Work Order No: 10-12-1973
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	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
B-38-19.5	Solid	GC/MS PP	12/31/10	01/01/11	101231S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	92	94	61-127	2	0-20	
Ethylbenzene	84	86	57-129	2	0-22	
Toluene	92	95	63-123	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: 12/23/10 Work Order No: 10-12-1973 Preparation: EPA 5030C 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
10-12-2074-7	Solid	GC/MS UU	01/03/11	01/03/11	110103S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	0	0	61-127	14	0-20	3
Ethylbenzene	0	1	57-129	8	0-22	3
Toluene	87	86	63-123	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received:	N/A
Work Order No:	10-12-1973
Preparation:	EPA 5030C
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
099-12-798-1,371	Solid	GC/MS PP	12/28/10	12/28/10	101228L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	101	78-120	2	0-20	
Ethylbenzene	103	104	76-120	1	0-20	
Toluene	102	103	77-120	2	0-20	
TPPH	119	120	65-135	1	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 10-12-1973
Preparation: EPA 5030C
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
099-12-798-1,372	Solid	GC/MS PP	12/28/10	12/28/10	101228L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	101	99	78-120	2	0-20	
Ethylbenzene	104	103	76-120	1	0-20	
Toluene	103	102	77-120	2	0-20	
TPPH	120	119	65-135	1	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 10-12-1973
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	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
099-12-798-1,379	Solid	GC/MS PP	12/29/10	12/30/10	101229L04

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	95	78-120	1	0-20	
Ethylbenzene	101	101	76-120	0	0-20	
Toluene	99	98	77-120	1	0-20	
TPPH	110	111	65-135	0	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 10-12-1973
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	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
099-12-798-1,381	Solid	GC/MS PP	12/29/10	12/30/10	101229L05

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	95	78-120	1	0-20	
Ethylbenzene	101	101	76-120	0	0-20	
Toluene	99	98	77-120	1	0-20	
TPPH	110	111	65-135	0	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received:	N/A
Work Order No:	10-12-1973
Preparation:	EPA 5030C
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
099-12-798-1,382	Solid	GC/MS PP	12/30/10	12/30/10	101230L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	97	98	78-120	1	0-20	
Ethylbenzene	103	103	76-120	0	0-20	
Toluene	101	100	77-120	1	0-20	
TPPH	112	113	65-135	1	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received:	N/A
Work Order No:	10-12-1973
Preparation:	EPA 5030C
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
099-12-798-1,385	Solid	GC/MS PP	12/31/10	12/31/10	101231L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	97	78-120	4	0-20	
Ethylbenzene	99	103	76-120	3	0-20	
Toluene	97	99	77-120	3	0-20	
TPPH	114	99	65-135	14	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 10-12-1973
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	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
099-12-798-1,387	Solid	GC/MS PP	12/31/10	12/31/10	101231L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	97	78-120	4	0-20	
Ethylbenzene	99	103	76-120	3	0-20	
Toluene	97	99	77-120	3	0-20	
TPPH	114	99	65-135	14	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received:	N/A
Work Order No:	10-12-1973
Preparation:	EPA 5030C
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
099-12-798-1,391	Solid	GC/MS PP	12/31/10	12/31/10	101231L03

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	96	78-120	0	0-20	
Ethylbenzene	100	100	76-120	0	0-20	
Toluene	98	98	77-120	0	0-20	
TPPH	115	113	65-135	2	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 10-12-1973
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	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
099-12-798-1,392	Solid	GC/MS PP	12/31/10	12/31/10	101231L04

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	96	78-120	0	0-20	
Ethylbenzene	100	100	76-120	0	0-20	
Toluene	98	98	77-120	0	0-20	
TPPH	115	113	65-135	2	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received:	N/A
Work Order No:	10-12-1973
Preparation:	EPA 5030C
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
099-12-798-1,390	Solid	GC/MS UU	01/03/11	01/03/11	110103L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	97	78-120	2	0-20	
Ethylbenzene	99	100	76-120	1	0-20	
Toluene	99	97	77-120	2	0-20	
TPPH	98	93	65-135	5	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received:	N/A
Work Order No:	10-12-1973
Preparation:	EPA 5030C
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
099-12-798-1,393	Solid	GC/MS UU	01/03/11	01/03/11	110103L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	97	78-120	2	0-20	
Ethylbenzene	99	100	76-120	1	0-20	
Toluene	99	97	77-120	2	0-20	
TPPH	98	93	65-135	5	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-12-1973

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

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

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)

- ☑ 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:

PAGE: 1 of 4

PO #:

SAP #:

SAMPLING COMPANY: Conestoga-Rovers & Associates

LOG CODE: CRAW

ADDRESS: 5900 Hollis St., Suite A, Emeryville, CA

PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer

TELEPHONE: 510-420-3319

FAX: 510-420-9170

E-MAIL: pshcaefer@craworld.com

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

State:

GLOBAL ID NO: T0600101876

EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville

PHONE NO: 510-420-3343

E-MAIL: shell.em.edf@craworld.com

CONSULTANT PROJECT NO: 240781-95-10.10

SAMPLER NAME(S) (Print): Christine Orlowski

LAB USE ONLY: 10-12-1973

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	OTHER	NO. OF CONT.	TPHg (8260B)	BTEX (8260B)	Container PID Readings or Laboratory Notes
1	B-48-5	12-21-10	7:50	Soil				X			X	X	Container I.D. No.:
2	B-48-10	↓	7:55	↓				↓			↓	↓	Container I.D. No.:
3	B-48-15		8:00										Container I.D. No.:
4	B-48-19.5		8:05										Container I.D. No.:
5	B-44-5		8:15										Container I.D. No.:
6	B-44-10		8:20										Container I.D. No.:
7	B-44-15		8:25										Container I.D. No.:
8	B-44-19.5		8:30										
9	B-45-5		8:35										
10	B-45-10		8:40										

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature] BELEW YHEAL	SECURE LOCATION	12-21-10	1645
[signature] CEL	[signature] CEL	12/22/10	1405
[signature] GSO 12/22/10 1730	W cbate CE	12/23/10	0815

05/2/06 Revision

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 Nam: Denis Brown

INCIDENT # (ENV SERVICES): 97093397

- [ ] CHECK IF NO INCIDENT # APPLIES

DATE: _____

PAGE: 2 of 4

PO # / SAP #

SAMPLING COMPANY: Conestoga-Rovers & Associates

LOG CODE: CRAW

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

State:

GLOBAL ID NO: T0600101876

ADDRESS: 5900 Hollis St., Suite A, Emeryville, CA

EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville

PHONE NO: 510-420-3343

E-MAIL: shell.em.edf@craworld.com

CONSULTANT PROJECT NO: 240781-95-10.10

PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer

TELEPHONE: 510-420-3319

FAX: 510-420-9170

E-MAIL: pshcaefer@craworld.com

SAMPLER NAME(S) (Print): Christine Orlowski

LAB USE ONLY: 10-12-1973

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	OTHER	NO. OF CONT.	TPHg (8260B)	BTEX (8260B)	TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
11	B-45-15	12-21-10	8:45	Soil				X			X	X	Container I.D. No.:
12	B-45-19.5		8:50										Container I.D. No.:
13	B-47-5		10:10										Container I.D. No.:
14	B-47-10		10:15										Container I.D. No.:
15	B-47-15		10:20										Container I.D. No.:
16	B-47-19.5		10:25										Container I.D. No.:
17	B-46-5		1035										Container I.D. No.:
18	B-46-8.5		10:36										
19	B-46-10		10.40										
20	B-46-15		1045										

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
BELEW/KIRU	SECURE LOCATION	12-21-10	1645
CEL	CEL	12/22/10	1405
USD	Wobata CEL	12/23/10	0815

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:

PAGE: 3 of 4

PO #:

SAP #:

SAMPLING COMPANY	Conestoga-Rovers & Associates
LOG CODE	CRAW
ADDRESS	5900 Hollis St., Suite A, Emeryville, CA
PROJECT CONTACT (Hardcopy or PDF Report to)	Peter Schaefer
TELEPHONE	510-420-3319
FAX	510-420-9170
E-MAIL	pshcaefer@craworld.com
SITE ADDRESS: Street and City	2703 Martin Luther King Jr. Way, Oakland, CA
State	
GLOBAL ID NO	T0600101876
EDF DELIVERABLE TO (Name, Company, Office Location)	Brenda Carter, CRA, Emeryville
PHONE NO	510-420-3343
E-MAIL	shell.em.edf@craworld.com
CONSULTANT PROJECT NO	240781-95-10.10
SAMPLER NAME(S) (Print)	Christine Orlowski
LAB USE ONLY	10-12-1973

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	OTHER	NO. OF CONT.	TPHg (8260B)	BTEX (8260B)	Container PID Readings or Laboratory Notes
21	B-46-19.5	12-21-10	1050	Soil				X			X	X	Container I.D. No.:
22	B-43-5	⎮	1055	⎮				⎮			⎮	⎮	Container I.D. No.:
23	B-43-10	⎮	1100	⎮				⎮			⎮	⎮	Container I.D. No.:
24	B-43-15	⎮	1105	⎮				⎮			⎮	⎮	Container I.D. No.:
25	B-43-19.5	⎮	1110	⎮				⎮			⎮	⎮	Container I.D. No.:
26	B-38-5	⎮	1315	⎮				⎮			⎮	⎮	Container I.D. No.:
27	B-38-8.5	⎮	1316	⎮				⎮			⎮	⎮	Container I.D. No.:
28	B-38-10	⎮	1320	⎮				⎮			⎮	⎮	
29	B-38-15	⎮	1325	⎮				⎮			⎮	⎮	
30	B-38-19.5	⎮	1330	⎮				⎮			⎮	⎮	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature] BELEW YIERO	SECURE LOCATION	12-21-10	1645
[signature]	[signature] CEL	12-22-10	1405
[signature] GSO 12/22/10 1730	Wcbatn CEL	12/23/10	0815

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 Nam: Denis Brown

INCIDENT # (ENV SERVICES): 97093397 ☐ CHECK IF NO INCIDENT # APPLIES

PO #:

SAP #:

DATE: _____

PAGE: 4 of 4

SAMPLING COMPANY: Conestoga-Rovers & Associates

LOG CODE: CRAW

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

State:

GLOBAL ID NO: T0600101876

ADDRESS: 5900 Hollis St., Suite A, Emeryville, CA

EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville

PHONE NO: 510-420-3343

E-MAIL: shell.em.edf@craworld.com

CONSULTANT PROJECT NO: 240781-95-10.10

PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer

SAMPLER NAME(S) (Print): Christine Orlowski

LAB USE ONLY: 10-12-1973

TELEPHONE: 510-420-3319 | FAX: 510-420-9170 | E-MAIL: pshcaefer@craworld.com

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPHg (8260B)	BTEX (8260B)	Container PID Readings or Laboratory Notes
31	B-40-5	12-21-10	1340	Soil				X			X	X	Container I.D. No.:
32	B-40-10		1345										Container I.D. No.:
33	B-40-12.5		1346										Container I.D. No.:
34	B-40-15		1350										Container I.D. No.:
35	B-40-19.5		1355										Container I.D. No.:
36	B-39-5		1400										Container I.D. No.:
37	B-39-8.5		1402										Container I.D. No.:
38	B-39-10		1405										
39	B-39-15		1410										
40	B-39-19.5		1415										

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date: 12-21-10	Time: 16:45
Relinquished by: (Signature)	Received by: (Signature)	Date: 12/22/10	Time: 1405
Relinquished by: (Signature) 12/22/10 1730	Received by: (Signature)	Date: 12/23/10	Time: 0815

05/2/08 Revision

1973

GSO

< WebShip > > > >

800-322-5555 www.gso.com

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

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

COD:
$0.00

Reference:
CRA

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 515619989

PDS

ORC

D

GARDEN GROVE

D92843A

87355359

Print Date : 12/22/10 15:39 PM

Package 1 of 1

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

LABEL INSTRUCTIONS:

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

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

ADDITIONAL OPTIONS:

Send Label Via Email | Create Return Label

TERMS AND CONDITIONS:

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

1973

GSO

WebShip > > > > >

800-322-5555 www.gso.com

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

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

COD:
$0.00

Reference:
CRA

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 515619989

PDS

ORC

D

GARDEN GROVE

D92843A

87355359

Print Date : 12/22/10 15:39 PM

Package 1 of 1

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

LABEL INSTRUCTIONS:

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

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

STEP 2 - Fold this page in half.

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

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

ADDITIONAL OPTIONS:

Send Label Via Email | Create Return Label

TERMS AND CONDITIONS:

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

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-12-1973

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: CRA DATE: 12/23/10

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

Temperature 1.9 °C + 0.5 °C (CF) = 2.4 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter Initial: WB

CUSTODY SEALS INTACT:

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

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

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

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

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

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

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

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

Preservative: h: HCL .n: HNO_3 na$_2$: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:**_____

Calscience
Environmental
Laboratories, Inc.

January 06, 2011

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

Subject: **Calscience Work Order No.: 10-12-2076**
Client Reference: 2703 Martin Luther King Way, Oakland, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 12/24/2010 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received: 12/24/10
5900 Hollis Street, Suite A	Work Order No: 10-12-2076
Emeryville, CA 94608-2008	Preparation: EPA 3550B
	Method: EPA 8015B

Project: 2703 Martin Luther King Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CRA-A	10-12-2076-5-A	12/23/10 00:00	Solid	GC 47	12/28/10	12/28/10 19:26	101228B04

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	97	61-145	

Method Blank	099-12-025-1,633	N/A	Solid	GC 47	12/28/10	12/28/10 16:57	101228B04

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

Date Received: 12/24/10
Work Order No: 10-12-2076
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

Project: 2703 Martin Luther King Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CRA-A	10-12-2076-5-A	12/23/10 00:00	Solid	GC/MS PP	12/24/10	12/28/10 22:23	101228L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	10	0.50	100	
Ethylbenzene	2.0	0.50	100		TPPH	130	50	100	
Toluene	ND	0.50	100						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	115	63-141		1,2-Dichloroethane-d4	126	62-146	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	103	60-132	
Toluene-d8-TPPH	103	87-111					

Method Blank	099-12-798-1,372	N/A	Solid	GC/MS PP	12/28/10	12/28/10 16:25	101228L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Xylenes (total)	ND	0.50	100	
Ethylbenzene	ND	0.50	100		TPPH	ND	50	100	
Toluene	ND	0.50	100						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	129	63-141		1,2-Dichloroethane-d4	142	62-146	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	102	60-132	
Toluene-d8-TPPH	102	87-111					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/24/10
Work Order No: 10-12-2076
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: 2703 Martin Luther King Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CRA-A	10-12-2076-5-A	12/23/10 00:00	Solid	ICP 5300	12/28/10	12/29/10 19:08	101228L01

Comment(s): -Mercury analysis was performed on 12/29/10 13:10 with batch 101229L01.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	5.81	0.750	1		Molybdenum	ND	0.250	1	
Barium	151	0.500	1		Nickel	63.3	0.250	1	
Beryllium	0.476	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	44.4	0.250	1		Thallium	ND	0.750	1	
Cobalt	11.1	0.250	1		Vanadium	35.8	0.250	1	
Copper	19.5	0.500	1		Zinc	48.1	1.00	1	
Lead	13.3	0.500	1						

Method Blank	099-04-007-7,764	N/A	Solid	Mercury	12/29/10	12/29/10 12:06	101229L01

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

Parameter	Result	RL	DF	Qual
Mercury	ND	0.0835	1	

Method Blank	097-01-002-14,463	N/A	Solid	ICP 5300	12/28/10	12/28/10 11:43	101228L01

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: 12/24/10
Work Order No: 10-12-2076
Preparation: DHS LUFT
Method: DHS LUFT

Project: 2703 Martin Luther King Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CRA-A	**10-12-2076-5-A**	**12/23/10 00:00**	**Solid**	**FLAA2**	**01/03/11**	**01/03/11 19:51**	**110103L01**

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

Method Blank	099-10-020-1,402	N/A	Solid	FLAA2	01/03/11	01/03/11 19:51	110103L01

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

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 12/24/10
Work Order No: 10-12-2076
Preparation: EPA 3050B
Method: EPA 6010B

Project 2703 Martin Luther King Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-12-2101-1	Solid	ICP 5300	12/28/10	12/28/10	101228S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	22	17	50-115	25	0-20	3,4
Arsenic	114	120	75-125	4	0-20	
Barium	111	127	75-125	5	0-20	3
Beryllium	109	104	75-125	4	0-20	
Cadmium	105	104	75-125	1	0-20	
Chromium	111	118	75-125	3	0-20	
Cobalt	109	110	75-125	1	0-20	
Copper	4X	4X	75-125	4X	0-20	Q
Lead	109	120	75-125	4	0-20	
Molybdenum	93	96	75-125	3	0-20	
Nickel	110	110	75-125	0	0-20	
Selenium	102	102	75-125	0	0-20	
Silver	110	109	75-125	1	0-20	
Thallium	47	73	75-125	43	0-20	3,4
Vanadium	114	118	75-125	2	0-20	
Zinc	4X	4X	75-125	4X	0-20	Q

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - PDS / PDSD

Conestoga-Rovers & Associates	Date Received 12/24/10
5900 Hollis Street, Suite A	Work Order No: 10-12-2076
Emeryville, CA 94608-2008	Preparation: EPA 3050B
	Method: EPA 6010B

Project: 2703 Martin Luther King Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS / PDSD Batch Number
10-12-2101-1	Solid	ICP 5300	12/28/10	12/28/10	101228S01

Parameter	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	110	102	75-125	8	0-20	
Arsenic	112	108	75-125	2	0-20	
Barium	104	97	75-125	2	0-20	
Beryllium	105	100	75-125	5	0-20	
Cadmium	103	99	75-125	4	0-20	
Chromium	103	96	75-125	3	0-20	
Cobalt	105	101	75-125	3	0-20	
Copper	4X	4X	75-125	4X	0-20	Q
Lead	103	101	75-125	1	0-20	
Molybdenum	106	103	75-125	3	0-20	
Nickel	105	101	75-125	3	0-20	
Selenium	103	99	75-125	4	0-20	
Silver	88	86	75-125	2	0-20	
Thallium	94	89	75-125	4	0-20	
Vanadium	103	97	75-125	3	0-20	
Zinc	4X	4X	75-125	4X	0-20	Q

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 12/24/10
5900 Hollis Street, Suite A	Work Order No: 10-12-2076
Emeryville, CA 94608-2008	Preparation: EPA 3550B
	Method: EPA 8015B

Project 2703 Martin Luther King Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-12-2039-4	Solid	GC 47	12/28/10	12/28/10	101228S04

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	79	77	64-130	2	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 12/24/10
5900 Hollis Street, Suite A	Work Order No: 10-12-2076
Emeryville, CA 94608-2008	Preparation: DHS LUFT
	Method: DHS LUFT

Project 2703 Martin Luther King Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-12-2407-1	Solid	FLAA2	01/03/11	01/03/11	110103S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Organic Lead	78	81	22-148	3	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 12/24/10
5900 Hollis Street, Suite A	Work Order No: 10-12-2076
Emeryville, CA 94608-2008	Preparation: EPA 7471A Total
	Method: EPA 7471A

Project 2703 Martin Luther King Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-12-2105-1	**Solid**	**Mercury**	**12/29/10**	**12/29/10**	**101229S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	112	109	71-137	3	0-14	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 12/24/10
5900 Hollis Street, Suite A	Work Order No: 10-12-2076
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	Method: LUFT GC/MS / EPA 8260B

Project 2703 Martin Luther King Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-12-2039-4	Solid	GC/MS PP	12/23/10	12/28/10	101228S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	101	61-127	1	0-20	
Ethylbenzene	103	103	57-129	0	0-22	
Toluene	101	103	63-123	2	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 10-12-2076
Preparation: EPA 3050B
Method: EPA 6010B

Project: 2703 Martin Luther King Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-14,463	Solid	ICP 5300	12/28/10	12/28/10	101228L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Antimony	109	111	80-120	73-127	2	0-20	
Arsenic	98	101	80-120	73-127	3	0-20	
Barium	105	108	80-120	73-127	2	0-20	
Beryllium	97	99	80-120	73-127	2	0-20	
Cadmium	106	107	80-120	73-127	1	0-20	
Chromium	103	104	80-120	73-127	1	0-20	
Cobalt	111	112	80-120	73-127	1	0-20	
Copper	103	105	80-120	73-127	1	0-20	
Lead	109	110	80-120	73-127	1	0-20	
Molybdenum	102	104	80-120	73-127	2	0-20	
Nickel	109	112	80-120	73-127	3	0-20	
Selenium	99	101	80-120	73-127	2	0-20	
Silver	102	103	80-120	73-127	1	0-20	
Thallium	106	108	80-120	73-127	1	0-20	
Vanadium	99	100	80-120	73-127	1	0-20	
Zinc	105	107	80-120	73-127	2	0-20	

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

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received:	N/A
5900 Hollis Street, Suite A	Work Order No:	10-12-2076
Emeryville, CA 94608-2008	Preparation:	EPA 3550B
	Method:	EPA 8015B

Project: 2703 Martin Luther King Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-025-1,633	Solid	GC 47	12/28/10	12/28/10	101228B04

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

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

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

Date Received:	N/A
Work Order No:	10-12-2076
Preparation:	DHS LUFT
Method:	DHS LUFT

Project: 2703 Martin Luther King Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-10-020-1,402	Solid	FLAA2	01/03/11	NONE	110103L01

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Organic Lead	25.00	24.40	98	72-126	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received:	N/A
5900 Hollis Street, Suite A	Work Order No:	10-12-2076
Emeryville, CA 94608-2008	Preparation:	EPA 7471A Total
	Method:	EPA 7471A

Project: 2703 Martin Luther King Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-007-7,764	Solid	Mercury	12/29/10	12/29/10	101229L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	98	99	85-121	1	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 10-12-2076
Emeryville, CA 94608-2008	Preparation: EPA 5030C
	Method: LUFT GC/MS / EPA 8260B

Project: 2703 Martin Luther King Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-1,372	Solid	GC/MS PP	12/28/10	12/28/10	101228L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	101	99	78-120	2	0-20	
Ethylbenzene	104	103	76-120	1	0-20	
Toluene	103	102	77-120	2	0-20	
TPPH	120	119	65-135	1	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-12-2076

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

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

Shell Oil Products Chain Of Custody Record

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

Please Check Appropriate Box:
- [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

PO # / SAP #

DATE: _____

PAGE: 1 of 1

SAMPLING COMPANY: Conestoga-Rovers & Associates

LOG CODE: CRAW

ADDRESS: 5900 Hollis Street, Suite A, Emeryville, CA 94608

PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer

TELEPHONE: 510-420-3319 FAX: 510-420-9170 E-MAIL: pshcaefer@craworld.com

SITE ADDRESS: Street and City: 2703 Martin Luther King, Oakland State: CA GLOBAL ID NO: T0600115417

EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville PHONE NO: 510-420-3343 E-MAIL: shell.em.edf@craworld.com CONSULTANT PROJECT NO: 240781-95-10.10

SAMPLER NAME(S) (Print): Christine Orlowski

LAB USE ONLY: 10-12-076

TURNAROUND TIME (CALENDAR DAYS):
- [x] STANDARD (14 DAY)
- [ ] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

- [ ] LA - RWQCB REPORT FORMAT
- [ ] UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

cc: Kari Dupler, kdupler@craworld.com

call composite ID and field point name: CRA-A

- [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	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)	CAM17 Metals	Container PID Readings or Laboratory Notes
1	CRA-1	12/23/10	0958	soil							X	X	X											X	Please create 4-pt
2	CRA-2	12/23/10	0958																						composite sample.
3	CRA-3	12/23/10	0958																						please call
4	CRA-4	12/23/10	0958																						composite
																									sample
																									CRA-A

Relinquished by: (Signature)	Received by: (Signature)	Date: 12-23-10	Time: 1207
Relinquished by: (Signature)	Received by: (Signature) CEL	Date: 12/23/10	Time: 1420
Relinquished by: (Signature) 12/23/10 1730	Received by: (Signature) CEL	Date: 12/24/10	Time: 0930

05/2/06 Revision

GSO

~~>074~~ XL
>076

S

< WebShip > > > > >
800-322-5555 www.gso.com

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

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

COD:
$0.00

Reference:
CRA

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 515629589

NPS

ORC

D

GARDEN GROVE

D92843A

87392989

Print Date : 12/23/10 16:00 PM

Package 1 of 1

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

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-12-[2][6][7][6]

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: CRA DATE: 12/24/10

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

Temperature 2.0 °C + 0.5 °C (CF) = 2.5 °C ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter Initial: YL

CUSTODY SEALS INTACT:

☑ Cooler	☐_____	☐ No (Not Intact)	☐ Not Present	☐ N/A	Initial: YL
☐ 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.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (5) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na_2** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na_2** ☐1AGB**s** ☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na** ☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na_2** ☐_____ ☐_____ ☐_____

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

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

Preservative: h: HCL n: HNO_3 na_2: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** MSC