CONESTOGA-ROVERS & ASSOCIATES

5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: (510) 420-0700 Fax: (510) 420-9170
www.CRAworld.com

TRANSMITTAL

DATE: April 13, 2010

REFERENCE NO.: 240503

PROJECT NAME: 6039 College Avenue, Oakland

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

RECEIVED
9:03 am, Apr 14, 2010
Alameda County
Environmental Health

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

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

QUANTITY	DESCRIPTION
1	Soil Vapor Probe Installation and Sampling Report

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

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

Copy to: Denis Brown, Shell Oil Products US, 20945 S. Wilmington Avenue, Carson, CA 90810
Russell J. Bruzzone, Inc., c/o Joan Bruzzone, 899 Hope Lane, Lafayette, CA 94549
Montrose Investment Co., Attn: Jim Graham, 242 Rivera Circle, Greenbrae Marina, Larkspur, CA 94939
Claremont Enterprises, Attn: Miriam Clark, 6013 Auburn Avenue, Oakland, CA 94618
SF Data Room (electronic copy)

Completed by: Peter Schaefer Signed: Peter Schaefer

Filing: **Correspondence File**

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

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

Re: Shell-branded Service Station
6039 College Avenue
Oakland, California
SAP Code 135685
Incident No. 98995745
ACEH Case No. RO0000469

Dear Mr. Wickham:

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

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

Sincerely,

Denis L. Brown
Project Manager

SOIL VAPOR PROBE INSTALLATION AND SAMPLING REPORT

SHELL-BRANDED SERVICE STATION
6039 COLLEGE AVENUE
OAKLAND, CALIFORNIA

SAP CODE	135685
INCIDENT NO.	98995745
AGENCY NO.	RO0000469

Prepared by:
Conestoga-Rovers & Associates

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

Office: (510) 420-0700
Fax: (510) 420-9170

web: http://www.CRAworld.com

APRIL 13, 2010
REF. NO. 240503 (9)
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TABLE OF CONTENTS

PAGE

LIST OF FIGURES
(Following Text)

LIST OF TABLES
(Following Text)

LIST OF APPENDICES

1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) to document the recent soil vapor probe installation and sampling at this site. The purpose of the investigation was to assess the potential for soil gas migration to indoor air. CRA followed the scope of work and procedures presented in CRA's November 5, 2009 work plan, which was approved by Alameda County Environmental Health (ACEH) in their December 21, 2009 letter.

The site is a Shell-branded service station located on the southern corner of College Avenue and Claremont Avenue in Oakland, California (Figure 1). Currently, the site layout consists of a station building, three underground storage tanks (USTs), and two dispenser islands (Figure 2). The area surrounding the site is of mixed commercial and residential use.

A summary of previous work performed at the site and additional background information is contained in CRA's November 5, 2009 work plan and is not repeated herein.

2.0 EXECUTIVE SUMMARY

- Six soil vapor probes (SVP-1 through SVP-6) were installed.
- No constituents of concern were detected in any soil vapor samples.
- Based on these soil vapor results and historical soil and groundwater conditions, CRA recommends closure of this environmental case.

3.0 SOIL VAPOR PROBE INSTALLATION AND SAMPLING

3.1 PERMIT

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

3.2 FIELD DATES

February 25 and February 26, 2010 (soil vapor probe installation) and March 23, 2010 (soil vapor probe sampling).

3.3 DRILING COMPANY

Gregg Drilling & Testing, Inc.

3.4 PERSONNEL PRESENT

Geologist Erin Swan directed the probe installation working under the supervision of California Professional Geologist Peter Schaefer.

3.5 DRILLING METHOD

Air-knife.

3.6 NUMBER OF PROBES

CRA installed six soil vapor probes (SVP-1 through SVP-6). The probe specifications and soil types encountered are described on the boring logs contained in Appendix B. The probe locations are shown on Figure 2.

3.7 VAPOR POINT MATERIALS

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

3.8 SCREENED INTERVALS

4.67 to 4.75 feet below grade.

3.9 SOIL VAPOR SAMPLING PROCEDURE

Prior to sampling, CRA purged at least three tubing volumes of air from each vapor probe using a vacuum pump. Immediately after purging, CRA collected soil vapor sample was collected using a laboratory-supplied Tedlar® bag. During sampling, CRA connected the Teflon® tubing for each vapor probe to a lung box containing the Tedlar®

bag, and the lung box chamber was connected to the vacuum pump. The sample was then drawn into the Tedlar® bag by reducing the pressure in the lung box with the vacuum pump. Each sample was labeled, documented on a chain-of-custody, and submitted to Calscience Environmental Laboratories, Inc. of Garden Grove, California for analysis within 72 hours.

To check the system for leaks, CRA placed a containment unit (or shroud) over the soil gas probe surface casing and sampling manifold. Prior to soil gas probe purging, CRA introduced helium into the containment unit to obtain a minimum 50 percent helium content level. CRA confirmed the helium content within the containment unit using a helium meter. The helium meter readings are presented in Section 4.2. All samples were analyzed by the laboratory for helium, and CRA presents the results in Section 4.2 and on Table 1.

3.10 SOIL VAPOR SAMPLING ANALYSES

Soil vapor samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by EPA Method TO-3 (modified), for benzene, toluene, ethylbenzene, xylenes (BTEX), and naphthalene by modified EPA Method 8260B, for oxygen and argon, carbon dioxide, and methane by ASTM D-1946, and for helium by ASTM D-1946 (M).

3.11 WASTE DISPOSAL

Soil and water-knife sludge generated during field activities were stored on site in 55-gallon drums, sampled, and profiled for disposal. The laboratory analytical report is presented in Appendix C, and waste disposal confirmation documentation is presented in Appendix D.

4.0 FINDINGS

4.1 SOIL VAPOR

The soil vapor chemical analytical data are summarized in Table 1, and TPHg and BTEX analytical results are presented on Figure 2. The laboratory analytical report is presented in Appendix C.

4.2 LEAK TESTING

Leak testing was performed as described above, and helium was not detected in any samples. As seen in the following table, the reporting limit for helium (0.0100 percent by volume [%*v*]) is below 10 percent of the concentration detected in the shroud, and the samples are considered valid.

Probe ID	*Helium concentration in sample (%v)*	*Helium detected in shroud (%v)*	*Maximum acceptable helium concentration in sample (%v)*
SVP-1	<0.0100	65	6.5
SVP-2	<0.0100	67	6.7
SVP-3	<0.0100	66	6.6
SVP-4	<0.0100	68	6.8
SVP-5	<0.0100	65	6.5
SVP-6	<0.0100	65	6.5

The laboratory analytical report for helium is presented in Appendix C, and CRA includes the results on Table 1.

5.0 CONCLUSIONS

TPHg, BTEX, and naphthalene were not detected in soil vapor samples from soil vapor probes SVP-1 through SVP-6. No further soil vapor investigation is warranted.

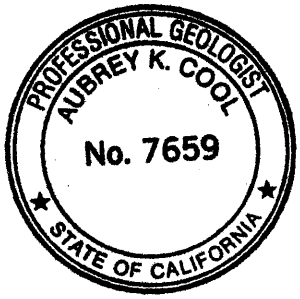
6.0 RECOMMENDATIONS

Based on soil vapor results and on historical soil and groundwater conditions, CRA recommends closure of this environmental case. CRA will submit a formal request for a low-risk closure.

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

Peter Schaefer, CEG, CHG

Aubrey K. Cool, PG



FIGURES

12/31/08

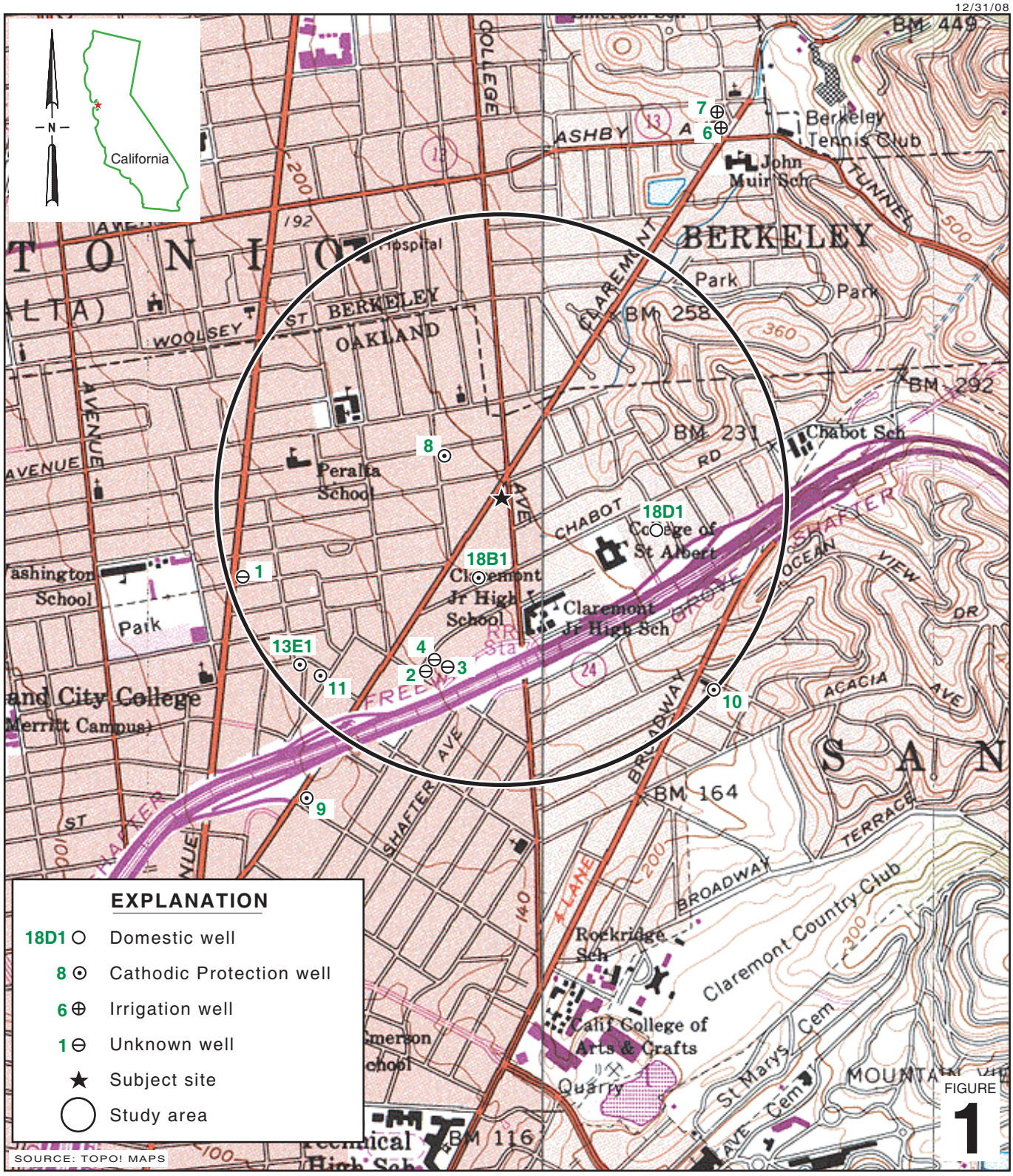


FIGURE
1

Shell-branded Service Station
6039 College Avenue
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

04/05/10

Site Plan

EXPLANATION

- SVP-1 — Soil vapor probe location
- MW-1 — Monitoring well location
- T-1 — Tank backfill well location
- Electrical line (E)
- Telecommunication line (T)
- Gas line (G)
- Storm drain line (STM)
- Sanitary sewer line (SAN)
- Water line (W)
- Utility vault
- Flow direction
- Manhole
- Storm drain inlet
- fbg — Feet below grade
- D-1-5' — Soil sample location (5/7/04)
- BH-A — Soil boring location (WA, 9/93)
- B-1 — Soil boring location (WA, 01/90)
- SB-1 — Soil boring location (9/28-29/05)

62nd STREET

Residential and Commercial Properties

Commercial Properties

CLAREMONT AVENUE

COLLEGE AVENUE

ARMANINO COURT

Planter

Canopy

Dispenser Islands

Shell Station
6039 College Ave.

Cashier

Storage

Building

USTs

MCI AT&T DUCT

Fence

Residential Properties

Approximate Dispenser and UST locations (1940)

Approximate Dispenser and UST locations (1957)

Approximate Waste Oil UST locations (1940 & 1957)

Location of Sensitive Receptor Relative to Site
(Domestic Well 18D1, ~0.25 miles ENE)

18D1

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

SVP-1, SVP-2, SVP-3, SVP-4, SVP-5, SVP-6

T-1, T-2

B-1, B-2, B-3, B-4, B-5

SB-1, SB-2, SB-3, SB-5, SB-6, SB-7, SB-8

BH-A, BH-B, BH-C, BH-D

D-1-5', D-2-5', D-3-5', D-4-5', P-1-4', P-2-4', P-3-4', P-4-4'

FL = 190.19

FL = 194.8

FL = 193.78

FL = 184

FL = 189.30

STM 90"Ø RCP

STM 24"Ø RCP

Sample ID	Sample Date	TPHg (µg/m³)	Benzene (µg/m³)	Toluene (µg/m³)	Ethyl-benzene (µg/m³)	Total Xylenes (µg/m³)
SVP-1	3/23/2010	<5,700	<16	<19	<22	<43

Sample ID	Sample Date	TPHg (µg/m³)	Benzene (µg/m³)	Toluene (µg/m³)	Ethyl-benzene (µg/m³)	Total Xylenes (µg/m³)
SVP-6	3/28/2010	<5,700	<16	<19	<22	<43

Sample ID	Sample Date	TPHg (µg/m³)	Benzene (µg/m³)	Toluene (µg/m³)	Ethyl-benzene (µg/m³)	Total Xylenes (µg/m³)
SVP-2	3/24/2010	<5,700	<16	<19	<22	<43

Sample ID	Sample Date	TPHg (µg/m³)	Benzene (µg/m³)	Toluene (µg/m³)	Ethyl-benzene (µg/m³)	Total Xylenes (µg/m³)
SVP-5	3/27/2010	<5,700	<16	<19	<22	<43

Sample ID	Sample Date	TPHg (µg/m³)	Benzene (µg/m³)	Toluene (µg/m³)	Ethyl-benzene (µg/m³)	Total Xylenes (µg/m³)
SVP-3	3/25/2010	<5,700	<16	<19	<22	<43

Sample ID	Sample Date	TPHg (µg/m³)	Benzene (µg/m³)	Toluene (µg/m³)	Ethyl-benzene (µg/m³)	Total Xylenes (µg/m³)
SVP-4	3/26/2010	<5,700	<16	<19	<22	<43

Sample ID	Sample Date	TPHg (µg/m³)	Benzene (µg/m³)	Toluene (µg/m³)	Ethyl-benzene (µg/m³)	Total Xylenes (µg/m³)
SVP-1	3/23/2010	<5,700	<16	<19	<22	<43

Sample ID, date, and concentrations, in micrograms per cubic meter (µg/m³)

0 20 40 80
Scale (ft)

FIGURE **2**

Shell-branded Service Station
6039 College Avenue
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

I:\Shell\6-chars\2405--\240503-Oakland 6039 College\240503-FIGURES\240503 SITE PLAN.DWG

TABLES

TABLE 1

SOIL VAPOR ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
6039 COLLEGE AVENUE, OAKLAND, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*Naphthalene*	*Helium (%v)*	*Oxygen & Argon (%v)*	*Carbon Dioxide (%v)*	*Methane (%v)*
SVP-1	3/23/2010		<5,700	<16	<19	<22	<43	<52	<0.0100	15.7	4.91	<0.500
SVP-2	3/23/2010		<5,700	<16	<19	<22	<43	<52	<0.0100	15.4	5.91	<0.500
SVP-3	3/23/2010		<5,700	<16	<19	<22	<43	<52	<0.0100	13.7	6.30	<0.500
SVP-4	3/23/2010		<5,700	<16	<19	<22	<43	<52	<0.0100	17.0	4.01	<0.500
SVP-5	3/23/2010		<5,700	<16	<19	<22	<43	<52	<0.0100	9.38	9.50	<0.500
SVP-6	3/23/2010		<5,700	<16	<19	<22	<43	<52	<0.0100	11.0	6.43	<0.500
SFBRWQCB ESLs[a]		*Commercial*	*29,000*	*280*	*180,000*	*3,300*	*58,000*	*240*	*NA*	*NA*	*NA*	*NA*
May 2008		*Residential*	*10,000*	*84*	*63,000*	*980*	*21,000*	*72*	*NA*	*NA*	*NA*	*NA*

Notes:

All results in micrograms per cubic meter ($\mu g/m^3$) unless otherwise indicated.
fbg = Feet below grade
%v = Percent by volume
TPHg = Total petroleum hydrocarbons as gasoline; analyzed by EPA Method TO-3M
Benzene, toluene, ethylbenzene, xylenes and naphthalene analyzed by EPA Method 8260B (M)
Helium analyzed by ASTM Method D-1946 (M)
Oxygen & argon, carbon dioxide, and methane analyzed by ASTM Method D-1946
<x = Not detected at reporting limit x
ESL = Environmental screening level
NA = No applicable ESLs
Results in **bold** equal or exceed ESL

TABLE 1

SOIL VAPOR ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
6039 COLLEGE AVENUE, OAKLAND, CALIFORNIA

a = San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) shallow soil gas screening level for evaluation of potential vapor intrusion concerns from *Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater*, SFBRWQCB, 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: 02/17/2010 By jamesy

Permit Numbers: W2010-0092
Permits Valid from 02/25/2010 to 02/26/2010

Application Id: 1265762942129
City of Project Site: Alameda
Site Location: 6039 College Ave, Oakland, CA
Project Start Date: 02/25/2010
Completion Date: 02/26/2010
Assigned Inspector: Contact Vicky Hamlin at (510) 670-5443 or vickyh@acpwa.org

Applicant: Conestoga Rovers & Associates - Erin Swan 5900 Hollis St. Suite A, Emeryville, CA 94608 **Phone:** 510-420-3372
Property Owner: Mr. Jim Gramham Montros Invest Co. c/o Mr. Jim Gramham 242 Rivera Circle,, Larkspur, CA 94969 **Phone:** 415-924-5550
Client: Shell Shell Oil Products US 20945 S. Wilmington Ave, Carson, CA 90810 **Phone:** 510-420-3372
Contact: Erin Swan **Phone:** 510-420-3372 **Cell:** 510-385-0074

Total Due: $265.00
Receipt Number: WR2010-0043 **Total Amount Paid:** $265.00
Payer Name : Conestoga Rovers & Associates Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Well Construction-Vapor monitoring well-Vapor monitoring well - 6 Wells
Driller: Gregg Drilling & Testing - Lic #: 485156 - Method: other **Work Total: $265.00**

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2010-0092	02/17/2010	05/26/2010	SVP-1	3.00 in.	0.25 in.	3.00 ft	5.00 ft
W2010-0092	02/17/2010	05/26/2010	SVP-2	3.00 in.	0.25 in.	3.00 ft	5.00 ft
W2010-0092	02/17/2010	05/26/2010	SVP-3	3.00 in.	0.25 in.	3.00 ft	5.00 ft
W2010-0092	02/17/2010	05/26/2010	SVP-4	3.00 in.	0.25 in.	3.00 ft	5.00 ft
W2010-0092	02/17/2010	05/26/2010	SVP-5	3.00 in.	0.25 in.	3.00 ft	5.00 ft
W2010-0092	02/17/2010	05/26/2010	SVP-6	3.00 in.	0.25 in.	3.00 ft	5.00 ft

Specific Work Permit Conditions

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

2. Compliance with the above well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate state reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the

Alameda County Public Works Agency - Water Resources Well Permit

Alameda County Public Works Agency, Water Resources Section, within 60 days, including permit number and site map.

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

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

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

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

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

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

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

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

11. 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.

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

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

APPENDIX B

BORING LOGS

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

BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SVP-1
JOB/SITE NAME	Shell-branded Service Station	**DRILLING STARTED**	25-Feb-10
LOCATION	6039 College Avenue, Oakland	**DRILLING COMPLETED**	25-Feb-10
PROJECT NUMBER	240503	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Airknife	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3"	**SCREENED INTERVALS**	4.67 to 4.75 fbg
LOGGED BY	E. Swan	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	P. Schaefer	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.5	Flush-grade 6" well box
					ML		**Sandy Silt with gravel**; Brown (7.4YR 4/4) ; dry; 10% clay, 50% silt, 20% medium sand, 20% fine to coarse gravel; medium plasticity.		1/4" OD Teflon Tubing Portland Type I/II Bentonite Seal Monterey Sand Vapor Well Screen
				5				5.0	Bottom of Boring @ 5 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2405-\240503-\12449E9-\16039CO-\1.GPJ DEFAULT.GDT 4/9/10

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

BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SVP-2
JOB/SITE NAME	Shell-branded Service Station	**DRILLING STARTED**	25-Feb-10
LOCATION	6039 College Avenue, Oakland	**DRILLING COMPLETED**	25-Feb-10
PROJECT NUMBER	240503	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Airknife	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3"	**SCREENED INTERVALS**	4.67 to 4.75 fbg
LOGGED BY	E. Swan	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	P. Schaefer	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.3	Flush-grade 6" well box
					ML		**Sandy Silt with gravel**; Brown (7.4YR 4/4) ; dry; 10% clay, 50% silt, 20% medium sand, 20% fine to coarse gravel; medium plasticity.		1/4" OD Teflon Tubing Portland Type I/II Bentonite Seal Monterey Sand Vapor Well Screen
				5				5.0	Bottom of Boring @ 5 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2405--\240503--\12449E9~1\6039CO~1.GPJ DEFAULT.GDT 4/9/10

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

BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SVP-3
JOB/SITE NAME	Shell-branded Service Station	**DRILLING STARTED**	26-Feb-10
LOCATION	6039 College Avenue, Oakland	**DRILLING COMPLETED**	26-Feb-10
PROJECT NUMBER	240503	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Airknife	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3"	**SCREENED INTERVALS**	4.67 to 4.75 fbg
LOGGED BY	E. Swan	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	P. Schaefer	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.3	Flush-grade 6" well box
					ML		**Sandy Silt with gravel**; Brown (7.4YR 4/4) ; dry; 10% clay, 50% silt, 20% medium sand, 20% fine to coarse gravel; medium plasticity.		1/4" OD Teflon Tubing Portland Type I/II Bentonite Seal Monterey Sand Vapor Well Screen
				5				5.0	Bottom of Boring @ 5 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2405-\240503-\12449E9-\16039CO-1.GPJ DEFAULT.GDT 4/9/10

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

BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SVP-4
JOB/SITE NAME	Shell-branded Service Station	**DRILLING STARTED**	26-Feb-10
LOCATION	6039 College Avenue, Oakland	**DRILLING COMPLETED**	26-Feb-10
PROJECT NUMBER	240503	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Airknife	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3"	**SCREENED INTERVALS**	4.67 to 4.75 fbg
LOGGED BY	E. Swan	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	P. Schaefer	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.3	Flush-grade 6" well box
					ML		**Sandy Silt with gravel**; Brown (7.4YR 4/4) ; dry; 10% clay, 50% silt, 20% medium sand, 20% fine to coarse gravel; medium plasticity.		1/4" OD Teflon Tubing Portland Type I/II Bentonite Seal Monterey Sand Vapor Well Screen
				5				5.0	Bottom of Boring @ 5 fbg

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

BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SVP-5
JOB/SITE NAME	Shell-branded Service Station	**DRILLING STARTED**	25-Feb-10
LOCATION	6039 College Avenue, Oakland	**DRILLING COMPLETED**	25-Feb-10
PROJECT NUMBER	240503	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Airknife	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3"	**SCREENED INTERVALS**	4.67 to 4.75 fbg
LOGGED BY	E. Swan	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	P. Schaefer	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.3	Flush-grade 6" well box
					ML		**Sandy Silt with gravel**; Brown (7.4YR 4/4) ; dry; 10% clay, 50% silt, 20% medium sand, 20% fine to coarse gravel; medium plasticity.		1/4" OD Teflon Tubing Portland Type I/II Bentonite Seal Monterey Sand Vapor Well Screen
				5				5.0	Bottom of Boring @ 5 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2405--\240503--\12449E9--116039CO--1.GPJ DEFAULT.GDT 4/9/10

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

BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SVP-6
JOB/SITE NAME	Shell-branded Service Station	**DRILLING STARTED**	25-Feb-10
LOCATION	6039 College Avenue, Oakland	**DRILLING COMPLETED**	25-Feb-10
PROJECT NUMBER	240503	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Airknife	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3"	**SCREENED INTERVALS**	4.67 to 4.75 fbg
LOGGED BY	E. Swan	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	P. Schaefer	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.3	Flush-grade 6" well box
					ML		**Sandy Silt with gravel**; Brown (7.4YR 4/4) ; dry; 10% clay, 50% silt, 20% medium sand, 20% fine to coarse gravel; medium plasticity.		1/4" OD teflon tubing Portland Type I/II Bentonite Seal Monterey Sand Vapor Well Screen
				5				5.0	Bottom of Boring @ 5 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2405--1240503--1\2449E9~1\6039CO~1.GPJ DEFAULT.GDT 4/9/10

APPENDIX C

CERTIFIED ANALYTICAL REPORTS

Calscience
Environmental
Laboratories, Inc.

April 01, 2010

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

Subject: **Calscience Work Order No.:** **10-03-1888**
Client Reference: **6039 College Ave., Oakland, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 3/24/2010 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Philip Samelle for

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 03/24/10
Work Order No: 10-03-1888
Preparation: N/A
Method: ASTM D-1946
Units: %v

Project: 6039 College Ave., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-1	10-03-1888-1-A	03/23/10 14:35	Air	GC 36	N/A	03/24/10 00:00	100324L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	ND	0.500	1		Oxygen + Argon	15.7	0.500	1	
Carbon Dioxide	4.91	0.500	1						

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-2	10-03-1888-2-A	03/23/10 14:45	Air	GC 36	N/A	03/24/10 00:00	100324L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	ND	0.500	1		Oxygen + Argon	15.4	0.500	1	
Carbon Dioxide	5.91	0.500	1						

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-3	10-03-1888-3-A	03/23/10 15:00	Air	GC 36	N/A	03/24/10 00:00	100324L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	ND	0.500	1		Oxygen + Argon	13.7	0.500	1	
Carbon Dioxide	6.30	0.500	1						

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-4	10-03-1888-4-A	03/23/10 15:15	Air	GC 36	N/A	03/24/10 00:00	100324L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	ND	0.500	1		Oxygen + Argon	17.0	0.500	1	
Carbon Dioxide	4.01	0.500	1						

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-5	10-03-1888-5-A	03/23/10 14:08	Air	GC 36	N/A	03/24/10 00:00	100324L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	ND	0.500	1		Oxygen + Argon	9.38	0.500	1	
Carbon Dioxide	9.50	0.500	1						

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-6	10-03-1888-6-A	03/23/10 14:20	Air	GC 36	N/A	03/24/10 00:00	100324L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	ND	0.500	1		Oxygen + Argon	11.0	0.500	1	
Carbon Dioxide	6.43	0.500	1						

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-03-002-1,020	N/A	Air	GC 36	N/A	03/24/10 00:00	100324L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	ND	0.500	1		Oxygen + Argon	ND	0.500	1	
Carbon Dioxide	ND	0.500	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: 03/24/10
Work Order No: 10-03-1888
Preparation: N/A
Method: EPA TO-3M

Project: 6039 College Ave., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-1	10-03-1888-1-A	03/23/10 14:35	Air	GC 13	N/A	03/24/10 11:17	100324L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	5700	1		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-2	10-03-1888-2-A	03/23/10 14:45	Air	GC 13	N/A	03/24/10 11:27	100324L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	5700	1		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-3	10-03-1888-3-A	03/23/10 15:00	Air	GC 13	N/A	03/24/10 11:37	100324L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	5700	1		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-4	10-03-1888-4-A	03/23/10 15:15	Air	GC 13	N/A	03/24/10 11:46	100324L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	5700	1		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-5	10-03-1888-5-A	03/23/10 14:08	Air	GC 13	N/A	03/24/10 11:56	100324L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	5700	1		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-6	10-03-1888-6-A	03/23/10 14:20	Air	GC 13	N/A	03/24/10 12:06	100324L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	5700	1		ug/m3

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: 03/24/10
Work Order No: 10-03-1888
Preparation: N/A
Method: EPA TO-3M

Project: 6039 College Ave., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	098-01-005-2,170	N/A	Air	GC 13	N/A	03/24/10 07:35	100324L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	5700	1		ug/m3

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	03/24/10
5900 Hollis Street, Suite A	Work Order No:	10-03-1888
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	ASTM D-1946 (M)

Project: 6039 College Ave., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-1	10-03-1888-1-A	03/23/10 14:35	Air	GC 55	N/A	03/24/10 00:00	100324L01

Parameter	Result	RL	DF	Qual	Units
Helium	ND	0.0100	1		%v

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-2	10-03-1888-2-A	03/23/10 14:45	Air	GC 55	N/A	03/24/10 00:00	100324L01

Parameter	Result	RL	DF	Qual	Units
Helium	ND	0.0100	1		%v

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-3	10-03-1888-3-A	03/23/10 15:00	Air	GC 55	N/A	03/24/10 00:00	100324L01

Parameter	Result	RL	DF	Qual	Units
Helium	ND	0.0100	1		%v

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-4	10-03-1888-4-A	03/23/10 15:15	Air	GC 55	N/A	03/24/10 00:00	100324L01

Parameter	Result	RL	DF	Qual	Units
Helium	ND	0.0100	1		%v

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-5	10-03-1888-5-A	03/23/10 14:08	Air	GC 55	N/A	03/24/10 00:00	100324L01

Parameter	Result	RL	DF	Qual	Units
Helium	ND	0.0100	1		%v

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-6	10-03-1888-6-A	03/23/10 14:20	Air	GC 55	N/A	03/24/10 00:00	100324L01

Parameter	Result	RL	DF	Qual	Units
Helium	ND	0.0100	1		%v

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: 03/24/10
Work Order No: 10-03-1888
Preparation: N/A
Method: ASTM D-1946 (M)

Project: 6039 College Ave., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-872-20	N/A	Air	GC 55	N/A	03/24/10 00:00	100324L01

Parameter	Result	RL	DF	Qual	Units
Helium	ND	0.0100	1		%v

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	03/24/10
5900 Hollis Street, Suite A	Work Order No:	10-03-1888
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA 8260B (M)
	Units:	ug/m3

Project: 6039 College Ave., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-1	10-03-1888-1-A	03/23/10 14:35	Air	GC/MS II	N/A	03/24/10 17:46	100324L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	16	1		Xylenes (total)	ND	43	1	
Toluene	ND	19	1		Naphthalene	ND	52	1	
Ethylbenzene	ND	22	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	94	47-156			1,2-Dichloroethane-d4	90	47-156		
Toluene-d8	94	47-156							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-2	10-03-1888-2-A	03/23/10 14:45	Air	GC/MS II	N/A	03/24/10 18:15	100324L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	16	1		Xylenes (total)	ND	43	1	
Toluene	ND	19	1		Naphthalene	ND	52	1	
Ethylbenzene	ND	22	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	98	47-156			1,2-Dichloroethane-d4	83	47-156		
Toluene-d8	90	47-156							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-3	10-03-1888-3-A	03/23/10 15:00	Air	GC/MS II	N/A	03/24/10 18:44	100324L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	16	1		Xylenes (total)	ND	43	1	
Toluene	ND	19	1		Naphthalene	ND	52	1	
Ethylbenzene	ND	22	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	96	47-156			1,2-Dichloroethane-d4	87	47-156		
Toluene-d8	90	47-156							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-4	10-03-1888-4-A	03/23/10 15:15	Air	GC/MS II	N/A	03/24/10 19:14	100324L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	16	1		Xylenes (total)	ND	43	1	
Toluene	ND	19	1		Naphthalene	ND	52	1	
Ethylbenzene	ND	22	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	97	47-156			1,2-Dichloroethane-d4	90	47-156		
Toluene-d8	97	47-156							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	03/24/10
5900 Hollis Street, Suite A	Work Order No:	10-03-1888
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA 8260B (M)
	Units:	ug/m3

Project: 6039 College Ave., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-5	10-03-1888-5-A	03/23/10 14:08	Air	GC/MS II	N/A	03/24/10 19:43	100324L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	16	1		Xylenes (total)	ND	43	1	
Toluene	ND	19	1		Naphthalene	ND	52	1	
Ethylbenzene	ND	22	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	94	47-156			1,2-Dichloroethane-d4	85	47-156		
Toluene-d8	96	47-156							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-6	10-03-1888-6-A	03/23/10 14:20	Air	GC/MS II	N/A	03/24/10 20:12	100324L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	16	1		Xylenes (total)	ND	43	1	
Toluene	ND	19	1		Naphthalene	ND	52	1	
Ethylbenzene	ND	22	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	98	47-156			1,2-Dichloroethane-d4	87	47-156		
Toluene-d8	91	47-156							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-13-041-9	N/A	Air	GC/MS II	N/A	03/24/10 17:17	100324L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	16	1		Xylenes (total)	ND	43	1	
Toluene	ND	19	1		Naphthalene	ND	52	1	
Ethylbenzene	ND	22	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	94	47-156			1,2-Dichloroethane-d4	81	47-156		
Toluene-d8	98	47-156							

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

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

Conestoga-Rovers & Associates	Date Received: 03/24/10
5900 Hollis Street, Suite A	Work Order No: 10-03-1888
Emeryville, CA 94608-2008	Preparation: N/A
	Method: EPA TO-3M

Project: 6039 College Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
10-03-1867-2	Air	GC 13	N/A	03/24/10	100324D01

Parameter	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
TPH as Gasoline	8600	8600	0	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: 10-03-1888
Preparation: N/A
Method: ASTM D-1946

Project: 6039 College Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-03-002-1,020	Air	GC 36	N/A	03/24/10	100324L01

Parameter	LCS Conc	LCSD Conc	RPD	RPD CL	Qualifiers
Carbon Dioxide	5.252	5.241	0	0-30	
Oxygen + Argon	19.42	19.51	1	0-30	
Nitrogen	73.16	73.47	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:	10-03-1888
Preparation:	N/A
Method:	ASTM D-1946 (M)

Project: 6039 College Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-872-20	Air	GC 55	N/A	03/24/10	100324L01

Parameter	LCS Conc	LCSD Conc	RPD	RPD CL	Qualifiers
Helium	1.011	0.9986	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: 10-03-1888
Preparation: N/A
Method: EPA 8260B (M)

Project: 6039 College Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-13-041-9	Air	GC/MS II	N/A	03/24/10	100324L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	103	93	60-156	10	0-40	
Toluene	104	85	56-146	20	0-43	
Ethylbenzene	104	89	52-154	15	0-38	
p/m-Xylene	115	91	42-156	24	0-41	
o-Xylene	107	87	52-148	20	0-38	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-03-1888

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

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: Peter Schaefer

INCIDENT # (ENV SERVICES): 98995745 [ ] CHECK IF NO INCIDENT # APPLIES

PO #:

SAP #: 13568845

DATE: 3/23/2010

PAGE: 1 of 1

SAMPLING COMPANY: Conestoga-Rovers & Associates	LOG CODE: CRAW	SITE ADDRESS: Street and City: 6039 College Ave, Oakland	State: CA	GLOBAL ID NO: TO600101272
ADDRESS: 5900 Hollis Street, Suite A, Emeryville, CA 94608		EDF DELIVERABLE TO (Name, Company, Office Location): Felicia Ballard, CRA, Sonoma	PHONE NO: 707-935-4850	E-MAIL: sonomaedf@craworld.com	CONSULTANT PROJECT NO: 240503-2008.10
PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer		SAMPLER NAME(S) (Print): Erin Swan		LAB USE ONLY: 03-1488
TELEPHONE: 510-420-3319	FAX: 510-420-9170	E-MAIL: pschaefer@craworld.com		

TURNAROUND TIME (CALENDAR DAYS):
- [x] STANDARD (14 DAY)
- [ ] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [x] RESULTS NEEDED ON WEEKEND

- [ ] LA - RWQCB REPORT FORMAT
- [ ] UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES:

Copy final report to Shell.Lab.Billing@craworld.com

Analysis within 72 hours; Please report results in µg/m3

- [x] SHELL CONTRACT RATE APPLIES
- [x] 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.	Helium, Oxygen, Carbon Dioide, & Methane ASTM D1946	TPHg, BTEX, & Naphthalene (EPA 8260 B)	TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
1	SVP-1	3/23/10	2:35	Vapor							X	X	
2	SVP-2	3/23/10	2:45	Vapor							X	X	
3	SVP-3	3/23/10	3:00	Vapor							X	X	
4	SVP-4	3/23/10	3:15	Vapor							X	X	
5	SVP-5	3/23/10	2:08	Vapor							X	X	
6	SVP-6	3/23/10	2:20	Vapor							X	X	

Relinquished by: (Signature) Erin Swan	Received by: (Signature) To Ormally CEC	Date: 3/23/10	Time: 4:15
Relinquished by: (Signature) To Ormally TO650 3/23/10 1730	Received by: (Signature) Wdeath CEC	Date: 3/24/10	Time: 1030
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/2/06 Revision

1888

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:
STANTEC (ARCO)

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 513804771

NPS

ORC

D

GARDEN GROVE

D92843A

80255448

Print Date : 03/23/10 15:33 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 #: 10-03-1886

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: CRA DATE: 03/24/10

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

Temperature ____.____ °C + 0.5 °C (CF) = ____.____ °C ☐ Blank ☐ Sample

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

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

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

Ambient Temperature: ☑ Air ☐ Filter ☐ Metals Only ☐ PCBs Only Initial: UW3

CUSTODY SEALS INTACT:

☑ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☐ N/A Initial: UW3

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

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑ 3/24/10	☑	☐
☑ 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	☑	☐	☐
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☑	☐	☐

CONTAINER TYPE:

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

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

Air: ☑Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Checked by:** DL

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: HNO3 na_2:$Na_2S_2O_3$ Na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** DL

Calscience
Environmental
Laboratories, Inc.

March 18, 2010

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

Subject: **Calscience Work Order No.:** **10-03-0307**
Client Reference: **6039 College Ave., Oakland, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 3/4/2010 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

For

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 03/04/10
Work Order No: 10-03-0307
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: 6039 College Ave., Oakland, CA

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CRA-1	10-03-0307-1-A	02/26/10 12:23	Solid	ICP 5300	03/08/10	03/09/10 21:28	100308L06

Comment(s): -Mercury was analyzed on 3/9/2010 7:46:38 PM with batch 100309L05

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	0.0870	0.0835	1	
Arsenic	1.61	0.750	1		Molybdenum	ND	0.250	1	
Barium	75.2	0.500	1		Nickel	24.6	0.250	1	
Beryllium	0.256	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	15.7	0.250	1		Thallium	ND	0.750	1	
Cobalt	6.59	0.250	1		Vanadium	17.7	0.250	1	
Copper	13.9	0.500	1		Zinc	38.5	1.00	1	
Lead	24.7	0.500	1						

Method Blank	099-04-007-6,880	N/A	Solid	Mercury	03/09/10	03/09/10 18:53	100309L05

Parameter	Result	RL	DF	Qual
Mercury	ND	0.0835	1	

Method Blank	097-01-002-13,280	N/A	Solid	ICP 5300	03/08/10	03/09/10 20:40	100308L06

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: 03/04/10
Work Order No: 10-03-0307
Preparation: EPA 3550B
Method: EPA 8015B

Project: 6039 College Ave., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CRA-1	10-03-0307-1-A	02/26/10 12:23	Solid	GC 43	03/04/10	03/05/10 15:21	100304B13

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	230	50	10		mg/kg

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

Method Blank	099-12-025-994	N/A	Solid	GC 43	03/04/10	03/05/10 04:48	100304B13

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	134	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: 03/04/10
Work Order No: 10-03-0307
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: 6039 College Ave., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CRA-1	10-03-0307-1-A	02/26/10 12:23	Solid	GC 43	03/04/10	03/05/10 08:08	100304B14

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	1900	750	30		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	143	61-145	

Method Blank	099-12-254-1,045	N/A	Solid	GC 43	03/04/10	03/05/10 04:48	100304B14

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	134	61-145	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received: 03/04/10
5900 Hollis Street, Suite A	Work Order No: 10-03-0307
Emeryville, CA 94608-2008	Preparation: DHS LUFT
	Method: DHS LUFT

Project: 6039 College Ave., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CRA-1	10-03-0307-1-A	02/26/10 12:23	Solid	FLAA2	03/11/10	03/11/10 00:00	100311L02

Parameter	Result	RL	DF	Qual	Units
Organic Lead	2.37	1.00	1		mg/kg

Method Blank	099-10-020-1,326	N/A	Solid	FLAA2	03/11/10	03/11/10 00:00	100311L02

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

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received:	03/04/10
Work Order No:	10-03-0307
Preparation:	EPA 5030B
Method:	LUFT GC/MS / EPA 8260B
Units:	mg/kg

Project: 6039 College Ave., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
CRA-1	10-03-0307-1-A	02/26/10 12:23	Solid	GC/MS W	03/04/10	03/04/10 16:54	100304L01

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	0.0053	0.0050	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	71-137		1,2-Dichloroethane-d4	112	58-160	
Toluene-d8	98	87-111		1,4-Bromofluorobenzene	95	66-126	
Toluene-d8-TPPH	97	87-111					

Method Blank	099-12-798-872	N/A	Solid	GC/MS W	03/04/10	03/04/10 13:59	100304L01

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	71-137		1,2-Dichloroethane-d4	106	58-160	
Toluene-d8	104	87-111		1,4-Bromofluorobenzene	99	66-126	
Toluene-d8-TPPH	105	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: 03/04/10
Work Order No: 10-03-0307
Preparation: EPA 3050B
Method: EPA 6010B

Project 6039 College Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-03-0521-1	Solid	ICP 5300	03/08/10	03/09/10	100308S06

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	40	39	50-115	3	0-20	3
Arsenic	101	102	75-125	1	0-20	
Barium	110	108	75-125	1	0-20	
Beryllium	103	106	75-125	3	0-20	
Cadmium	96	99	75-125	3	0-20	
Chromium	111	100	75-125	6	0-20	
Cobalt	105	107	75-125	2	0-20	
Copper	106	108	75-125	2	0-20	
Lead	106	109	75-125	2	0-20	
Molybdenum	96	99	75-125	4	0-20	
Nickel	106	108	75-125	2	0-20	
Selenium	94	97	75-125	3	0-20	
Silver	113	111	75-125	2	0-20	
Thallium	98	102	75-125	3	0-20	
Vanadium	101	102	75-125	1	0-20	
Zinc	89	92	75-125	2	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: 03/04/10
Work Order No: 10-03-0307
Preparation: EPA 3550B
Method: EPA 8015B

Project 6039 College Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-03-0308-3	Solid	GC 43	03/04/10	03/05/10	100304S13

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	101	81	64-130	20	0-15	4

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received:	03/04/10
5900 Hollis Street, Suite A	Work Order No:	10-03-0307
Emeryville, CA 94608-2008	Preparation:	EPA 3550B
	Method:	EPA 8015B (M)

Project 6039 College Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-03-0308-3	Solid	GC 43	03/04/10	03/05/10	100304S14

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	96	104	64-130	8	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 03/04/10
Work Order No: 10-03-0307
Preparation: DHS LUFT
Method: DHS LUFT

Project 6039 College Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-03-0823-1	Solid	FLAA2	03/11/10	03/11/10	100311S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Organic Lead	95	94	22-148	1	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 03/04/10
Work Order No: 10-03-0307
Preparation: EPA 7471A Total
Method: EPA 7471A

Project 6039 College Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-03-0535-16	Solid	Mercury	03/09/10	03/09/10	100309S05

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	105	108	71-137	2	0-14	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 03/04/10
Work Order No: 10-03-0307
Preparation: EPA 5030B
Method: EPA 8260B

Project 6039 College Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-03-0201-1	Solid	GC/MS W	03/04/10	03/04/10	100304S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	93	90	40-142	3	0-18	
Toluene	91	87	44-128	5	0-15	
Ethylbenzene	93	85	70-130	8	0-30	
Methyl-t-Butyl Ether (MTBE)	97	94	42-150	3	0-34	
Tert-Butyl Alcohol (TBA)	98	81	61-109	19	0-47	
Diisopropyl Ether (DIPE)	96	94	73-133	2	0-25	
Ethyl-t-Butyl Ether (ETBE)	94	94	73-132	1	0-25	
Tert-Amyl-Methyl Ether (TAME)	95	95	82-120	0	0-25	
Ethanol	108	79	39-117	31	0-99	
1,1-Dichloroethene	109	106	16-178	2	0-25	
1,2-Dibromoethane	90	90	70-130	0	0-30	
1,2-Dichlorobenzene	89	77	40-160	14	0-36	
Carbon Tetrachloride	91	90	37-139	0	0-20	
Chlorobenzene	92	85	43-127	8	0-26	
Trichloroethene	99	99	47-131	1	0-19	
Vinyl Chloride	95	86	29-161	11	0-42	

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: 10-03-0307
Preparation: EPA 3050B
Method: EPA 6010B

Project: 6039 College Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-13,280	Solid	ICP 5300	03/08/10	03/09/10	100308L06

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Antimony	104	106	80-120	73-127	2	0-20	
Arsenic	110	109	80-120	73-127	1	0-20	
Barium	114	116	80-120	73-127	2	0-20	
Beryllium	109	111	80-120	73-127	2	0-20	
Cadmium	108	111	80-120	73-127	3	0-20	
Chromium	107	109	80-120	73-127	2	0-20	
Cobalt	113	115	80-120	73-127	2	0-20	
Copper	107	110	80-120	73-127	2	0-20	
Lead	115	117	80-120	73-127	1	0-20	
Molybdenum	107	109	80-120	73-127	3	0-20	
Nickel	116	117	80-120	73-127	1	0-20	
Selenium	104	104	80-120	73-127	0	0-20	
Silver	115	117	80-120	73-127	2	0-20	
Thallium	107	108	80-120	73-127	1	0-20	
Vanadium	110	112	80-120	73-127	2	0-20	
Zinc	109	110	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:	10-03-0307
Emeryville, CA 94608-2008		Preparation:	EPA 3550B
		Method:	EPA 8015B

Project: 6039 College Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-025-994	Solid	GC 43	03/04/10	03/05/10	100304B13

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	92	93	75-123	1	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates		Date Received:	N/A
5900 Hollis Street, Suite A		Work Order No:	10-03-0307
Emeryville, CA 94608-2008		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: 6039 College Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-254-1,045	Solid	GC 43	03/04/10	03/05/10	100304B14

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	101	103	75-123	2	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

Conestoga-Rovers & Associates		Date Received:	N/A
5900 Hollis Street, Suite A		Work Order No:	10-03-0307
Emeryville, CA 94608-2008		Preparation:	DHS LUFT
		Method:	DHS LUFT

Project: 6039 College Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-10-020-1,326	Solid	FLAA2	03/11/10	NONE	100311L02

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Organic Lead	25.0	24.2	97	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: 10-03-0307
Emeryville, CA 94608-2008	Preparation: EPA 7471A Total
	Method: EPA 7471A

Project: 6039 College Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-007-6,880	Solid	Mercury	03/09/10	03/09/10	100309L05

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	99	99	85-121	0	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 10-03-0307
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 6039 College Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-872	Solid	GC/MS W	03/04/10	03/04/10	100304L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	101	100	85-115	80-120	0	0-11	
Carbon Tetrachloride	103	107	68-134	57-145	4	0-14	
Chlorobenzene	104	104	83-119	77-125	0	0-9	
1,2-Dibromoethane	105	107	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	102	103	57-135	44-148	1	0-10	
1,1-Dichloroethene	115	117	72-120	64-128	1	0-10	
Ethylbenzene	103	104	80-120	73-127	0	0-20	
Toluene	96	98	67-127	57-137	2	0-10	
Trichloroethene	108	108	88-112	84-116	0	0-9	
Vinyl Chloride	97	92	57-129	45-141	5	0-16	
Methyl-t-Butyl Ether (MTBE)	102	104	76-124	68-132	2	0-12	
Tert-Butyl Alcohol (TBA)	90	96	31-145	12-164	7	0-23	
Diisopropyl Ether (DIPE)	105	105	74-128	65-137	0	0-10	
Ethyl-t-Butyl Ether (ETBE)	102	103	77-125	69-133	1	0-9	
Tert-Amyl-Methyl Ether (TAME)	104	106	81-123	74-130	1	0-10	
Ethanol	98	104	44-152	26-170	6	0-24	
TPPH	85	90	65-135	53-147	5	0-30	

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

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-03-0307

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

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: Peter Schaefer
PO #:
INCIDENT # (ENV SERVICES): 98995745
SAP #: 136856
☐ CHECK IF NO INCIDENT # APPLIES
DATE: 2/26/10
PAGE: 1 of 1

SAMPLING COMPANY: Conestoga-Rovers & Associates
LOG CODE: CRAW
SITE ADDRESS: Street and City: 6039 College Ave, Oakland
State: CA
GLOBAL ID NO.: T0600101272
ADDRESS: 5900 Hollis Street, Suite A, Emeryville, CA 94608
EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville
PHONE NO.: 510-420-3343
E-MAIL: shell.em.edf@craworld.com
CONSULTANT PROJECT NO.: 240503
PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer
TELEPHONE: 510-420-3319
FAX: 510-420-9170
E-MAIL: pschaefer@craworld.com
SAMPLER NAME(S) (Print): Erin Swan
LAB USE ONLY: 10-03-0307

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 :
Copy of final report to Shell.Lab.Billing@craworld.com & kdupler@craworld.com
[redacted] Follow attached contingent analysis.

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	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)	TPH - MO (8015M)	CAM17 Metals - Total (6010)	TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
1	CRA-1	2/26/10	12:23	Soil							X	X	X											X	X	

Relinquished by: (Signature) — Erin Swan
Received by: (Signature) — Secure location
Date: 2/26/2010 Time: 5:45 pm

Relinquished by: (Signature)
Received by: (Signature) — Tom O'Reilly CEC
Date: 3/3/10 Time: 1005

Relinquished by: (Signature) — CRA 3-3-10 1730
Received by: (Signature) — CRA
Date: 030410 Time: 0830

05/2/06 Revision

0307

Contingent analyses

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

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

0307

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:
ETIC, CRA, ERI, TRC

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 513676591

NPS

ORC

D

GARDEN GROVE

D92843A

79746948

Print Date : 03/03/10 14:03 PM

Package 1 of 1

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-03-0307

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: CRA DATE: 03/04/10

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

Temperature 1.8 °C + 0.5 °C (CF) = 2.3 °C ☑ Blank ☐ Sample

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

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

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

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

CUSTODY SEALS INTACT:

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

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

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☐	☑	☐
☑ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
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 ☐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#:**_____ Checked by: DL

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

Preservative: h: HCL n: HNO3 na_2:$Na_2S_2O_3$ Na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered Scanned by: DL

APPENDIX D

WASTE DISPOSAL MANIFESTS

TPST Soil Recyclers of CA

12328 Hibiscus Ave. Adelanto, CA 92301

ADE 78542

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professional Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Manifest Number: A3-5084 Load #: 1

3/29/2010

Generator Site Information:

SHELL OIL - RIPR #82802
6039 COLLEGE AVE
SAP#135685 INCDNT#98995745
OAKLAND, CA 94618

Weighmaster Weighed at:

TPST SOIL RECYCLERS OF CALIFORNIA
12328 HIBISCUS AVE
ADELANTO, CA 92301

J Provansal **Time In:** 8:14:44 AM

J Provansal **Time out:** 8:14:46 AM

	Lbs	Tons	
Gross Weight:	960	0.48	Manual Wt
Tare Weight:	380	0.19	Manual Wt
Net Weight:	580	0.29	

Truck Number: 518

Trailer Number: 224

Commodity: Non Haz - Solids

Driver on Gross and Tare Transporter: AIS - RIGO

Manifest

TPST Soil Recyclers of CA
Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility #:	Given by TPST:	Load #
	Transporter		407	7504	1001

Generator and/or Consultant

Generator's Name and Billing Address:	Generator's Phone #:	Generator's US EPA ID No.
Shell Oil Products US One Shell Plaza, 910 Louisiana, Rm 8873 Houston, TX 77002	713-241-7011 Person to Contact: FAX#:	Customer Account Number with TPST:
Consultant's Name and Billing Address:	**Consultant's Phone #:**	
	Person to Contact: FAX#:	Customer Account Number with TPST:
Generation Site (Transport from): *(name & address)*	**Site Phone #:**	BTEX Levels
Shell Oil Products US RR#6 82802 6939 College Avenue SAP# 135885 Oakland, CA 94618 Incident# 98985745	Person to Contact:	TPH Levels
	FAX#:	AVG Levels
Designated Facility (Transport to): *(name & address)*	**Facility Phone #:**	**Facility Permit Numbers:**
TPS Technologies 12628 Hibiscus Rd. Adelanto, CA 92301-1709	(800) 962-8001 Person to Contact: DeBerry, Jeffrey FAX#:	
Transporter Name and Mailing Address:	**Transporter's Phone #:**	**Transporter's US EPA ID No.:**
American Integrated Services, Inc. P.O. Box 92316 Long Beach, CA 90809-2316	(310) 632-1166 Person to Contact: Malgrade, Santiago FAX#:	CAR000146530 Transporter's DOT No.: Customer Account Number with TPST:

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑	1		760	380	580
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑					29

List any exception to items listed above: AIS Project # 30038-13 — Scale Ticket#: 75412

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ❑ Consultant ❑	Signature and date:	Month	Day	Year
AIS on behalf of SOPUS - J Shomen		03	24	10

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name:	Signature and date:	Month	Day	Year
Kiko Valencia		03	24	10

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name:	Signature and date:	Month	Day	Year
		3	29	10

Please print or type.

TRANSPORTER COPY

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: 212805

GENERATOR

5. Generator's Name and Mailing Address
Shell Oil Products US
One Shell Plaza, 910 Louisiana, Rm 8673, Houston, TX 77002
Generator's Phone: 713-241-7011

Generator's Site Address (if different than mailing address)
6030 College Avenue
Oakland, CA 94618

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.
1630 W. 16th Street
Long Beach, CA 90813 562-432-5445
Facility's Phone:
U.S. EPA ID Number: CAD028409019

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	DM	50	G	
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
D28973 LH 4413
Wear protective equipment while handling. Weights or volumes are approximate. 24 hour emergency number (800) 424-9300 Chemtrec.
RRR#: 82003
SAP#: 136686
Incident#: 98985745
Profile#: 27678
Project #: 30038-13

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: AS on behalf of SOPUS - J Sherman
Signature:
Month Day Year: 10 3 24 10

INT'L

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

TRANSPORTER

16. Transporter Acknowledgement of Receipt of Materials
Transporter 1 Printed/Typed Name: Ruc Valencia
Signature:
Month Day Year: 10 3 24 10
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNED FACILITY

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

1435

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Laura Christensen
Signature:
Month Day Year: 10 3 31 10