CONESTOGA-ROVERS & ASSOCIATES

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

TRANSMITTAL

DATE: December 7, 2009

REFERENCE NO.: 240612

PROJECT NAME: 1784 150th Avenue, San Leandro

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

RECEIVED
10:54 am, Dec 10, 2009
Alameda County
Environmental Health

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

Sent via:
- ☐ Mail
- ☐ Overnight Courier
- ☐ Same Day Courier
- ☒ Other GeoTracker and Alameda County FTP

QUANTITY	DESCRIPTION
1	Soil Vapor Sampling Report

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

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

Copy to: Denis Brown, Shell Oil Products US, 20945 S. Wilmington Avenue, Carson, CA 90810

Completed by: Peter Schaefer Signed:

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
1784 150th Avenue
San Leandro, California
SAP Code 136019
Incident No. 98996068
ACEH Case No. RO0000367

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 SAMPLING REPORT

SHELL-BRANDED SERVICE STATION
1784 150TH AVENUE
SAN LEANDRO, CALIFORNIA

SAP CODE	136019
INCIDENT NO.	98996068
AGENCY NO.	RO0000367

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

DECEMBER 7, 2009
REF. NO. 240612 (14)
This report is printed on recycled paper.

TABLE OF CONTENTS

LIST OF FIGURES
(Following Text)

LIST OF TABLES
(Following Text)

LIST OF APPENDICES

1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) to document the recent soil vapor probe monitoring event, as recommended in CRA's August 12, 2009 *Soil Vapor Probe Sampling Report* and approved in Alameda County Environmental Health's (ACEH's) September 4, 2009 letter.

The site is an operating Shell-branded service station located at the southern corner of the 150th Avenue and Freedom Avenue intersection in San Leandro, California (Figure 1). The area surrounding the site is mixed commercial and residential. The site layout (Figure 2) includes a station building, two dispenser islands, and three fuel underground storage tanks (USTs). One waste oil UST was removed from the site on May 25, 2006.

A summary of previous work performed at the site and additional background information was submitted in CRA's July 20, 2009 *Feasibility Study/Corrective Action Plan* and is not repeated herein.

2.0 EXECUTIVE SUMMARY

On October 1, 2009, CRA sampled soil vapor probe SVP-5 for benzene, toluene, ethylbenzene, and xylenes.

- Soil vapor sample concentrations in SVP-5 were below RWQCB ESLs for residential and commercial land use during the January 2009 and October 2009 sampling events.
- Based on these results, no further soil vapor monitoring is warranted.

3.0 SAMPLING ACTIVITIES

3.1 PERSONNEL PRESENT

CRA Staff Geologist Erin Reinhart-Koylu sampled soil vapor probe SVP-5 under the supervision of California Professional Geologist Peter Schaefer.

3.2 SAMPLING DATE

October 1, 2009.

3.3 SOIL VAPOR SAMPLING

CRA sampled soil vapor probe SVP-5 using a lung box and Tedlar® bag. Approximately one third of a liter of water was purged from the soil vapor probe prior to sampling.

Prior to sampling, CRA purged at least three tubing volumes of air from the vapor probe using a vacuum pump. Immediately after purging, a soil vapor sample was collected using a laboratory-supplied Tedlar® bag. During sampling, the Teflon® tubing for the vapor probe was connected 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. The 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, a containment unit (or shroud) was placed to cover the soil gas probe surface casing and sampling manifold. Prior to soil gas probe purging, helium was introduced into the containment unit to obtain a minimum 50 percent helium content level. The helium content within the containment unit was confirmed using a helium meter. The helium meter reading is presented in Section 4.2. The sample was analyzed by the laboratory for helium, and CRA presents the results in Section 4.2 and on Table 1.

4.0 FINDINGS

4.1 SOIL VAPOR

The soil vapor sample collected from SVP-5 on October 1, 2009 contained 4.6 micrograms per cubic meter ($\mu g/m^3$) benzene and 17 $\mu g/m^3$ ethylbenzene. No other constituents of concern were detected. Table 1 summarizes historical soil vapor analytical data. Benzene, toluene, ethylbenzene, and xylenes results are shown on Figure 2, and the laboratory analytical report is presented in Appendix A.

4.2 LEAK TESTING

Leak testing was performed as described above, and helium was not detected in the sample. 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 sample is considered valid.

Probe ID	*Helium concentration in sample (%v)*	*Helium detected in shroud (%v)*	*Maximum acceptable helium concentration in sample (%v)*
SVP-5	<0.0100	77	7.7

The laboratory analytical reports for helium are presented in Appendix A, and CRA includes the results on Table 1.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Soil vapor sample concentrations in SVP-5 were below San Francisco Bay Regional Water Quality Control Board (RWQCB) environmental screening levels (ESLs) for residential and commercial land use during the January 2009 and October 2009 sampling events. Based on these results, no further soil vapor monitoring is warranted.

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

Peter Schaefer, CEG ~~CHG~~

Aubrey K. Cool, PG

FIGURES

11/03/08

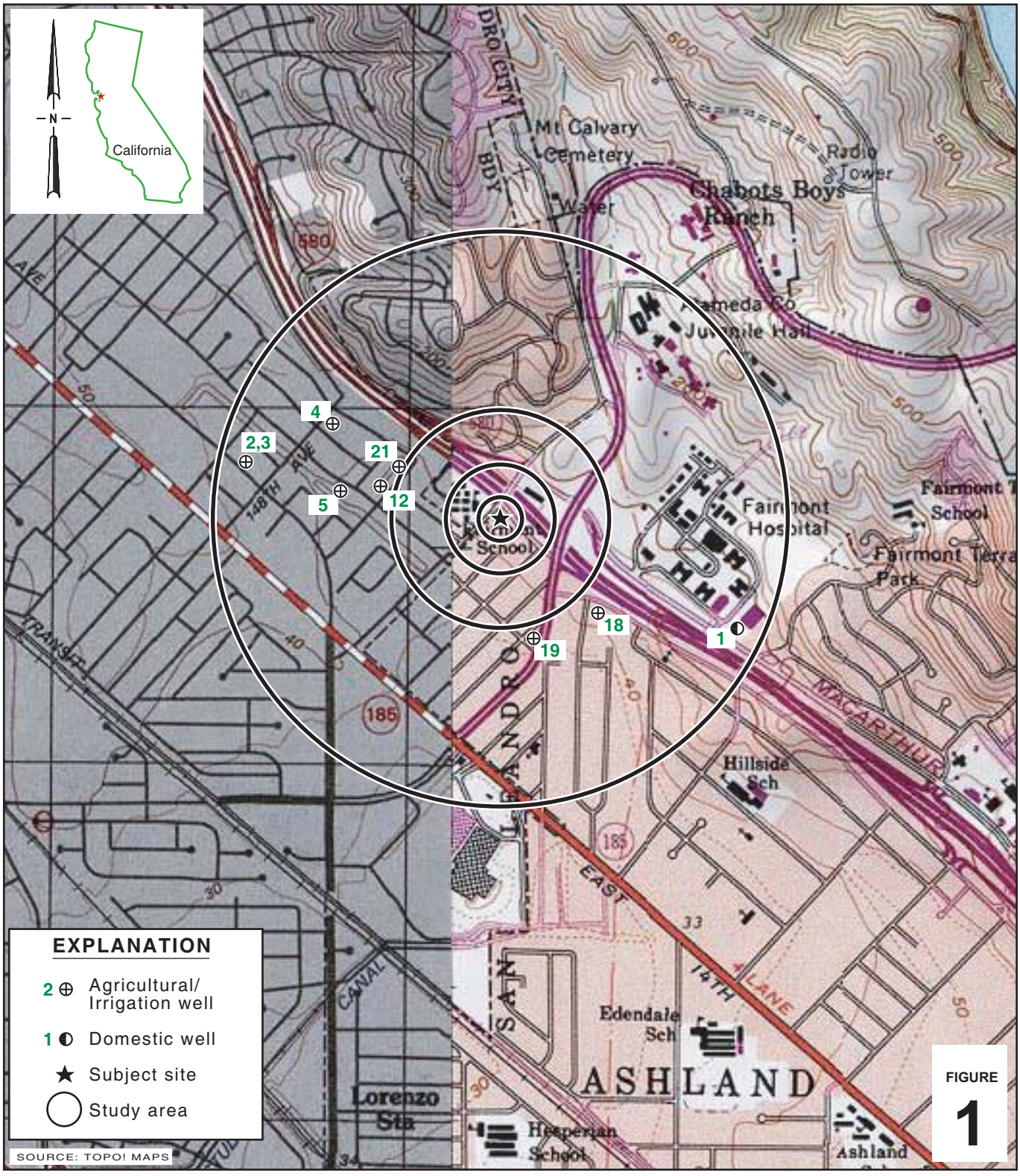


FIGURE 1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

I:\Shell\6-chars\2406-\240612-San Leandro 1784 150th\240612-FIGURES\240612 VICINITY.AI

Shell-branded Service Station

1784 150th Avenue

San Leandro, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

11/16/09

Soil Vapor Data Map

October 1, 2009

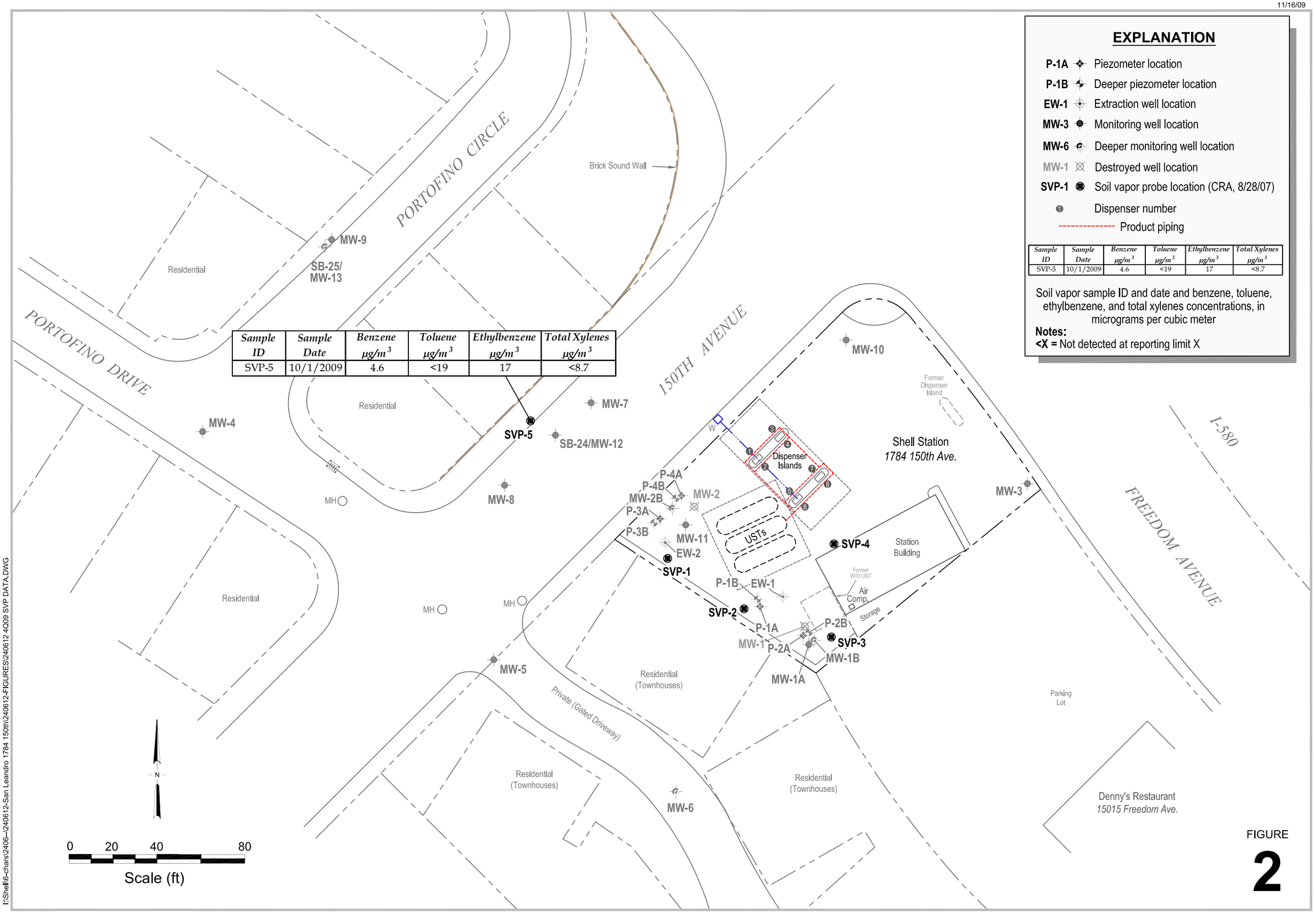
EXPLANATION

- P-1A — Piezometer location
- P-1B — Deeper piezometer location
- EW-1 — Extraction well location
- MW-3 — Monitoring well location
- MW-6 — Deeper monitoring well location
- MW-1 — Destroyed well location
- SVP-1 — Soil vapor probe location (CRA, 8/28/07)
- 1 — Dispenser number
- ---------- Product piping

Sample ID	Sample Date	Benzene µg/m³	Toluene µg/m³	Ethylbenzene µg/m³	Total Xylenes µg/m³
SVP-5	10/1/2009	4.6	<19	17	<8.7

Soil vapor sample ID and date and benzene, toluene, ethylbenzene, and total xylenes concentrations, in micrograms per cubic meter

Notes:
<X = Not detected at reporting limit X



Sample ID	Sample Date	Benzene µg/m³	Toluene µg/m³	Ethylbenzene µg/m³	Total Xylenes µg/m³
SVP-5	10/1/2009	4.6	<19	17	<8.7

FIGURE

2

Shell-branded Service Station
1784 150th Avenue
San Leandro, California

CONESTOGA-ROVERS & ASSOCIATES

I:\Shell\6-chars\2406--\2406612-San Leandro 1784 150th\240612-FIGURES\240612 4Q09 SVP DATA.DWG

TABLE

TABLE 1

SOIL VAPOR ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
1784 150TH AVENUE, SAN LEANDRO, CALIFORNIA

Sample ID	*Date*	*TPHg* $\mu g/m^3$	*Benzene* $\mu g/m^3$	*Toluene* $\mu g/m^3$	*Ethylbenzen* $\mu g/m^3$	*Total* $\mu g/m^3$	*MTBE* $\mu g/m^3$	*Butane*[a] $\mu g/m^3$	*Isobutane*[a] $\mu g/m^3$	*Propane*[a] $\mu g/m^3$	*Helium*[a] %v
SVP-1	9/25/2007	**12,000**	<17	7,000	120	300	<19	67	ND	ND	NA
SVP-1	3/5/2008	<17,000	8.2	1,300	41	95	<10	ND	70.12	ND	NA
SVP-1 DUP[c]	3/5/2008	<18,000	7.9	400	32	65	<11	ND	62.99	ND	NA
SVP-1	5/20/2008	620	<3.9	<4.6	<5.2	<5.2	<4.4	ND	ND	ND	NA
SVP-1	9/17/2008	<270	<4.2	5.7	<5.7	<5.7	<4.8	ND	ND	ND	NA
SVP-1	1/17/2009	<9,800	<2.7	<3.2	<3.7	<15	<12	<20	<20	<46	NA
SVP-2	9/25/2007	760	11	90	14	56	24	ND	ND	ND	NA
SVP-2	3/5/2008	<19,000	<2.7	<3.1	<3.6	<7.3	<12	ND	ND	ND	NA
SVP-2	5/20/2008	830	<6.4	<7.6	<8.8	<8.8	<7.3	ND	ND	ND	NA
SVP-2	9/17/2008	<240	<3.8	<4.5	<5.2	<5.2	<4.3	ND	ND	ND	NA
SVP-2 DUP[c]	9/17/2008	<230	<3.6	<4.3	<5.0	<5.0	<4.1	ND	ND	ND	NA
SVP-2	1/17/2009	<9,400	<2.6	<3.1	<3.6	<14	<12	<19	25	<44	NA
SVP-3	9/25/2007	300	<4.4	<5.2	<6.0	<6.0	<5.0	ND	ND	ND	NA
SVP-3 DUP[c]	9/25/2007	<260	<4.1	<4.9	<5.6	<5.6	<4.6	ND	ND	ND	NA
SVP-3	3/5/2008	<20,000	3.9	32	7.8	38	13	ND	ND	ND	NA
SVP-3	5/20/2008	380	<3.9	<4.6	<5.4	<5.4	<4.4	ND	ND	ND	NA
SVP-3	9/17/2008	<340	<5.4	<6.3	<7.3	<7.3	<6.1	ND	ND	ND	NA
SVP-3	1/17/2009	<9,200	<2.6	<3.0	<3.5	<14	<12	<19	60	<43	NA
SVP-4	9/25/2007	**12,000**	<3.9	13	6.3	31	<4.4	713	ND	ND	NA
SVP-5	9/25/2007	**70,000**	<56	<66	<76	<76	<63	ND	ND	ND	NA
SVP-5	3/5/2008	<17,000	<2.3	2.7	<3.1	<6.3	<10	ND	22.11	ND	NA
SVP-5	9/17/2008	**280,000**	**260**	780	**14,000**	**48,000**	290	8,600[b]	880[b]	ND	NA
SVP-5 (200 ml/min flow)	1/17/2009	<9,100	<2.5	<3.0	<3.4	<14	36	<19	<19	<43	NA
SVP-5 (100 ml/min flow)	1/17/2009	<9,100	<2.5	<3.0	<3.4	<14	51	<19	<19	<43	NA
SVP-5 DUP[c] (200 ml/min	1/17/2009	<9,000	<2.5	<3.0	<3.4	<14	59	<19	<19	<42	NA
SVP-5	10/1/2009	NA	4.6	<19	17	<8.7	NA	NA	NA	NA	<0.0100
Residential Land Use ESL[d]		10,000	84	63,000	980	21,000	9,400	—	—	—	—
Commercial/Industrial Land Use ESL[d]		29,000	280	180,000	3,300	58,000	31,000	—	—	—	—

TABLE 1

SOIL VAPOR ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
1784 150TH AVENUE, SAN LEANDRO, CALIFORNIA

Notes:

TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method TO-3 GC/FID
Benzene, toluene, ethylbenzene and total xylenes by modified EPA Method TO-15 GC/FID Full Scan
MTBE = Methyl tertiary-butyl ether by modified EPA Method TO-15 GC/FID Full Scan
Butane, isobutane, and propane by modified EPA Method TO-15 GC/FID Full Scan
Helium analyzed by ASTM D-1946(M)
$\mu g/m^3$ = Micrograms per cubic meter
%v = Percentage by volume.
ND = Not detected; no reporting limit provided.
NA = Not analyzed.
ESL = Environmental screening level
--- = No applicable ESL

a = Compounds not listed in Regional Water Quality Control Board (RWQCB) ESLs; detected quantities estimated by laboratory for 2007 and 2008 samples.
b = The identification is based on presumptive evidence; estimated value
c = Field duplicate
d = San Francisco Bay RWQCB ESLs for shallow soil gas (Table E)

APPENDIX A

LABORATORY ANALYTICAL REPORT

Calscience
Environmental
Laboratories, Inc.

October 13, 2009

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

Subject: **Calscience Work Order No.:** **09-10-0124**
Client Reference: **1784 150th Ave., San Leandro, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 10/2/2009 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Philip Samelle for

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	10/02/09
5900 Hollis Street, Suite A	Work Order No:	09-10-0124
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	ASTM D-1946 (M)

Project: 1784 150th Ave., San Leandro, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-6	09-10-0124-1-A	10/01/09 14:28	Air	GC 55	N/A	10/02/09 00:00	091002L01

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

Method Blank	099-12-872-14	N/A	Air	GC 55	N/A	10/02/09 00:00	091002L01

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:	10/02/09
5900 Hollis Street, Suite A	Work Order No:	09-10-0124
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA TO-15M
	Units:	ug/m3
Project: 1784 150th Ave., San Leandro, CA		Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-5	**09-10-0124-1-A**	**10/01/09 14:28**	**Air**	**GC/MS K**	**N/A**	**10/03/09 14:58**	**091003L01**

Comment(s): -The method has been modified to use Tedlar bags instead of Summa Canisters.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	4.6	1.6	1		Ethylbenzene	17	2.2	1	
Toluene	ND	19	1		Xylenes (total)	ND	8.7	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	78	57-129			1,2-Dichloroethane-d4	123	47-137		
Toluene-d8	82	78-156							

Method Blank	099-12-983-64	N/A	Air	GC/MS K	N/A	10/03/09 13:36	091003L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Ethylbenzene	ND	2.2	1	
Toluene	ND	19	1		Xylenes (total)	ND	8.7	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	95	57-129			1,2-Dichloroethane-d4	85	47-137		
Toluene-d8	99	78-156							

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

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received:	N/A
Work Order No:	09-10-0124
Preparation:	N/A
Method:	ASTM D-1946 (M)

Project: 1784 150th Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-872-14	Air	GC 55	N/A	10/02/09	091002L01

Parameter	LCS Conc	LCSD Conc	RPD	RPD CL	Qualifiers
Hellum	0.9850	0.9756	1	0-30	
Hydrogen	0.9965	0.9905	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:	09-10-0124
Emeryville, CA 94608-2008		Preparation:	N/A
		Method:	EPA TO-15M

Project: 1784 150th Ave., San Leandro, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-983-64	Air	GC/MS K	N/A	10/03/09	091003L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	116	110	60-156	5	0-40	
Toluene	117	114	56-146	2	0-43	
Ethylbenzene	118	116	52-154	2	0-38	
p/m-Xylene	93	90	42-156	3	0-41	
o-Xylene	115	113	52-148	2	0-38	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-10-0124

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

LAB: TA

- ☐ TA - Irvine, California
- ☐ TA - Morgan Hill, California
- ☐ TA - Sacramento, California
- ☐ TA - Nashville, Tennessee
- ☐ Calscience
- ☐ Other_____

SHELL Chain Of Custody Record

NAME OF PERSON TO BILL: Peter Schaefer - 240612

☐ ENVIRONMENTAL SERVICES ☐ NETWORK DEV. / FE ☐ COMPLIANCE ☑ BILL CONSULTANT ☐ RMT/CRMT

☐ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (ES ONLY): 98996068

PO #:

SAP or CRMT #: 136019

Date: 10/1/09

PAGE: 1 of 1

SAMPLING COMPANY:	LOG CODE:
Conestoga-Rovers & Associates (CRA)	CRAW

SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
1784 150th Ave., San Leandro	CA	T0600101230

ADDRESS:	EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
5900 Hollis St, Suite A, Emeryville, CA 94608	Carter, Brenda, CRA, Emeryville	510-420-3343	shell.em.edf@craworld.com	240612-2009-

PROJECT CONTACT (Hardcopy or PDF Report to):	TELEPHONE:	FAX:	E-MAIL:
Peter Schaefer	510 420 3319	510 420 9170	pschaefer@craworld.com

SAMPLER NAME(S) (Print): Carmen Rodriguez

LAB USE ONLY: 09-10-0124

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS): ☑ STD ☐ 5 DAY ☐ 3 DAY ☐ 2 DAY ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

SPECIAL INSTRUCTIONS OR NOTES:

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

Copy to ShellLab.Billing@craworld.com

please report results in µg/m3

No partial lab reports, send final PDF report only.

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPHg (TO-3)	TPHd - Extractable (8015M)	BTEX (TO-15)	MTBE (TO-15)	TBA (TO-15)	O2, CO2, & Methane	He (ASTM D 1946 (M))	TEMPERATURE ON RECEIPT C°
1	SVP-5	10/1	14:28	VA	1			X				X	

FIELD NOTES:
Container/Preservative or PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Carmen Rodriguez	CEL	10-1-09	1640
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
10-1-09 1730			
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
#5123487/6	Jerry A. Hall	10/02/09	10:00

05/02/06 Revision

Q&Q Graphics (714) 898-8702

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-10-0 1 2 4

SAMPLE RECEIPT FORM

Box Cooler 1 of 1

CLIENT: CRA

DATE: 10 / 02 / 09

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

Temperature ____.____ °C - 0.2 °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:** PS

CUSTODY SEALS INTACT:

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

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

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

CONTAINER TYPE:

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

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s** ☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na** ☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

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

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

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:** PS