CONESTOGA-ROVERS & ASSOCIATES

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www.CRAworld.com

TRANSMITTAL

DATE: December 3, 2008

REFERENCE NO.: 241501

PROJECT NAME: 461 8th Street, Oakland

TO: Jerry Wickham
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502
83

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Environmental Health

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1	Subsurface Investigation Report

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

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Completed by: Thomas Sparrowe [Please Print]

Signed: [signature]

Filing: **Correspondence File**

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

Mr. Jerry Wickham
Alameda County Health Care Services Agendy
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94205-6577

Subject: Former Shell Service Station
461 8th Street
Oakland, California
SAP No. 129453
Incident No. 97093399
ACHCSA Case No. RO00000343

Dear Mr. Wickham:

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

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

Sincerely,

Denis L. Brown
Project Manager

SUBSURFACE INVESTIGATION REPORT

FORMER SHELL SERVICE STATION
461 8th STREET
OAKLAND, CALIFORNIA

SAP CODE	129453
INCIDENT NO.	97093399
AGENCY NO.	RO0000343

Prepared by:
Conestoga-Rovers & Associates

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Emeryville, California
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DECEMBER 8, 2008
REF. NO. 241501 (2)
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1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) to document the recent subsurface investigation at the referenced site. The purpose of the investigation was to delineate vertical soil and groundwater impact in the southern portion of the site and install additional monitoring wells prior interim remediation by insitu chemical oxidation (ISCO) injections at the site. CRA also installed deeper screened wells near the excavated area to better evaluate results of the proposed ISCO injection program. CRA followed the scope of work and procedures presented in our July 15, 2008 *Vertical Delineation and Monitoring Well Installation Work Plan,* which was approved by the Alameda County Health Care Services Agency (ACHCSA) in their July 25, 2008 correspondence.

The site is a paved parking lot located at the southwest corner of the intersection of 8th Street and Broadway in a primarily commercial area of Oakland, California (Figure 1). The former station layout included an underground storage tank complex and dispenser islands (Figure 2). While the subject site is currently used for paid public parking, the current property owners have submitted development plans to construct a mixed-use site consisting of multi-storied commercial and residential units with a subsurface parking area.

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

2.0 EXECUTIVE SUMMARY

- Four deep well borings (S-19, S-20, S-21B, and S-22B) and two soil borings (B-28 and B-29) were drilled to a maximum depth of 46.5 fbg to vertically delineate petroleum hydrocarbons in the southern portion of the site.

- No petroleum hydrocarbon detections exceed the SFWQCB ESLs in soil samples collected from 30.5 fbg or below in these deep borings. Although grab groundwater samples from depth were not obtained (due the tight 'bay mud' formation), based on the established correlation between submerged soil sample results and groundwater data from this site, vertical delineation of the extent of impact with depth has been achieved.

- Wells S-21B and S-22B are screened from 30 to 40 fbg, and subsequent data from these wells is expected to provide confirmation of vertical delineation of petroleum hydrocarbons in groundwater. CRA will evaluate this data in our next groundwater monitoring report.

- Four groundwater monitoring wells (S-14R, S-19, S-20, and S-23) are screened from 20 to 35 fbg. Shallow wells S-21A and S-22A are screened from 20 to 27 fbg and deeper wells S-21B and S-22B are screened from 30 to 40 fbg. These wells will allow us to monitor groundwater conditions before, during, and after the ISCO injection program.

- CRA will submit groundwater data from the recently installed wells in our next quarterly groundwater monitoring report by January 15, 2009.

3.0 INVESTIGATION RESULTS

3.1 PERMITS

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

3.2 DRILLING DATES

September 22 to 26, 2008.

3.3 DRILLING COMPANY

Gregg Drilling.

3.4 CRA PERSONNEL

Geologist Sherry Phillips directed the drilling activities under the supervision of California Professional Geologist Tom Sparrowe.

3.5 DRILLING METHOD

Hollow-stem auger.

3.6 NUMBER OF BORINGS

Eight well borings (S-14R, S-19, S-20, S-21A, S-21B, S-22A, S-22B, and S-23) and two soil borings (B-28 and B-29) were drilled during this investigation.

The boring and well specifications and soil types encountered are described on the boring logs, presented as Appendix C. The boring and well locations are shown on Figure 2.

3.7 BORING DEPTHS

27.5 to 46.5 feet below grade (fbg).

3.8 GROUNDWATER DEPTHS

Groundwater was first encountered at 25 fbg.

3.9 SOIL DISPOSAL

Approximately 20 cubic yards of soil cutting waste were generated during field activities, stored on site in a bin, and profiled for disposal. The soil was transported to Waste Management's Altamont Landfill in Livermore, California for disposal as non-hazardous waste. The waste disposal manifest is included in Appendix D.

4.0 FINDINGS

4.1 SOIL

CRA summarizes the soil analytical data in Table 1, includes total petroleum hydrocarbons as gasoline (TPHg) and benzene concentrations on Figure 3, and presents the laboratory analytical reports in Appendix E.

4.2 GRAB GROUNDWATER

CRA attempted to collect grab groundwater samples using a hydropunch-type sampler in borings S-19, S-20, S-21B, S-22B, B-28, and B-29. Each boring was advanced to 45 fbg where the hydropunch-type sampler was driven to 46.5 fbg, and the screen was exposed to allow groundwater to enter the sampler. The sediment at that interval was stiff clay that did not produce water after several hours. Therefore, no grab groundwater samples were collected for analysis.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The findings of this investigation indicate that soil hydrocarbon impact at the subject site is concentrated within the 20 to 26.5 fbg zone and diminishes in concentration with depth and horizontal distance from the excavation pit. The soil analytical data demonstrates that the soil petroleum hydrocarbon impact in the southern half of the site is defined vertically at 30.5 fbg, to levels below San Francisco Bay Regional Water Quality Control Board environmental screening levels in deep soil for residential land use. Based on previous data collected from soil and groundwater at this site, submerged soil samples that have been impacted with petroleum hydrocarbons appear to be attributable to the impacted groundwater at those locations. Thus, because the soil samples collected from 30.5 to 45.5 fbg did not contain significant concentrations of petroleum constituents, the vertical extent of impacted soil and groundwater can be inferred from this data.

As discussed above, CRA was unable to obtain grab groundwater samples during this investigation. However, wells S-21B and S-22B were screened from 30 to 40 fbg and will be used to monitor groundwater conditions at that interval. CRA will evaluate whether groundwater data from these wells confirms vertical delineation of petroleum hydrocarbons in groundwater based on the submerged soil sample results discussed above.

The new monitoring wells will be incorporated into the existing groundwater monitoring program to monitor groundwater conditions before, during, and after ISCO injections. CRA will submit a work plan addendum proposing our ISCO monitoring plan under separate cover and will submit the groundwater data from the recently installed groundwater monitoring wells in our next quarterly groundwater monitoring report by January 15, 2009.

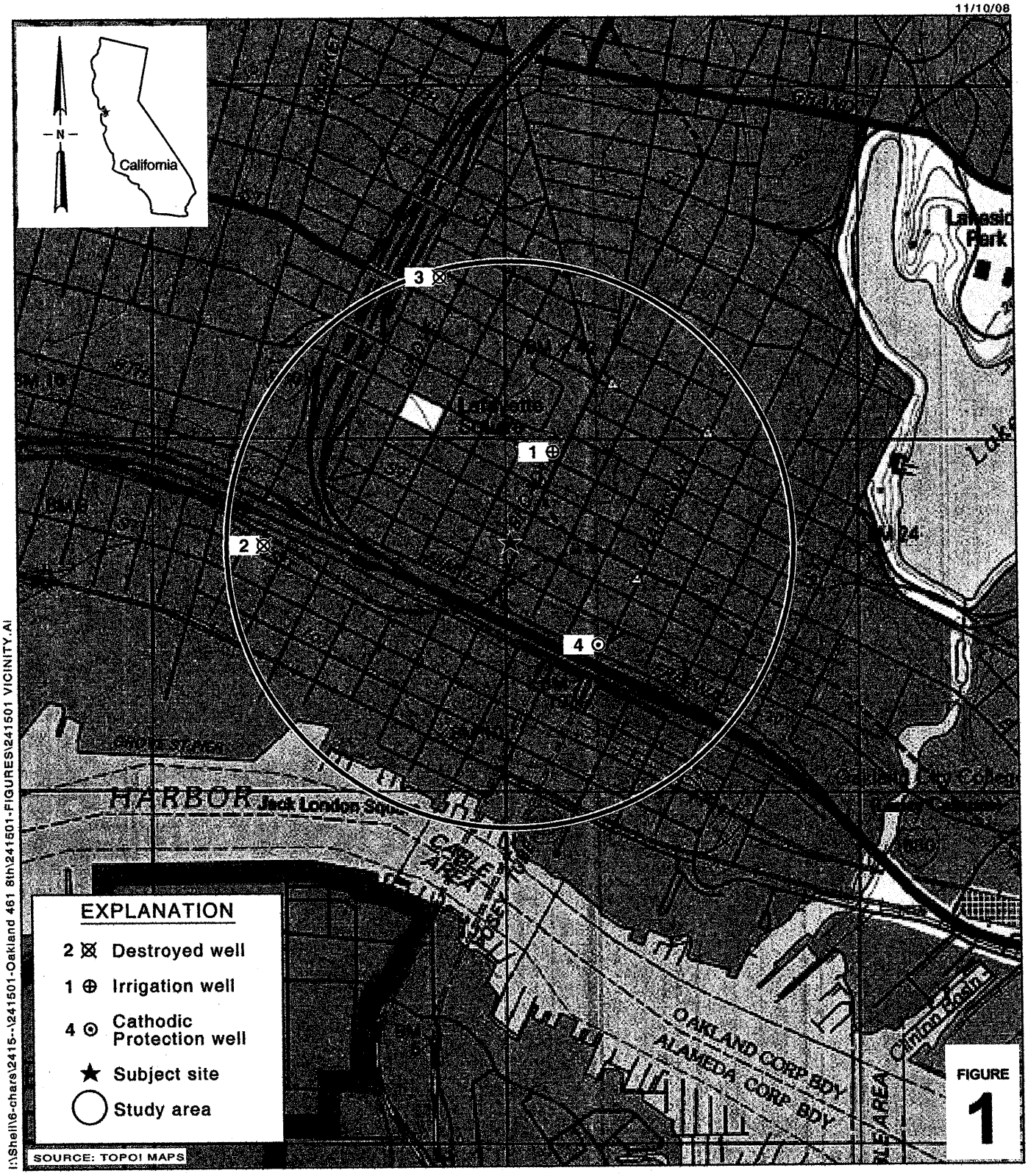
All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Thomas A. Sparrowe, PG
Project Manager

Aubrey K. Cool, PG
Professional Geologist

FIGURES

11/10/08



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0 1/8 1/4 1/2 1

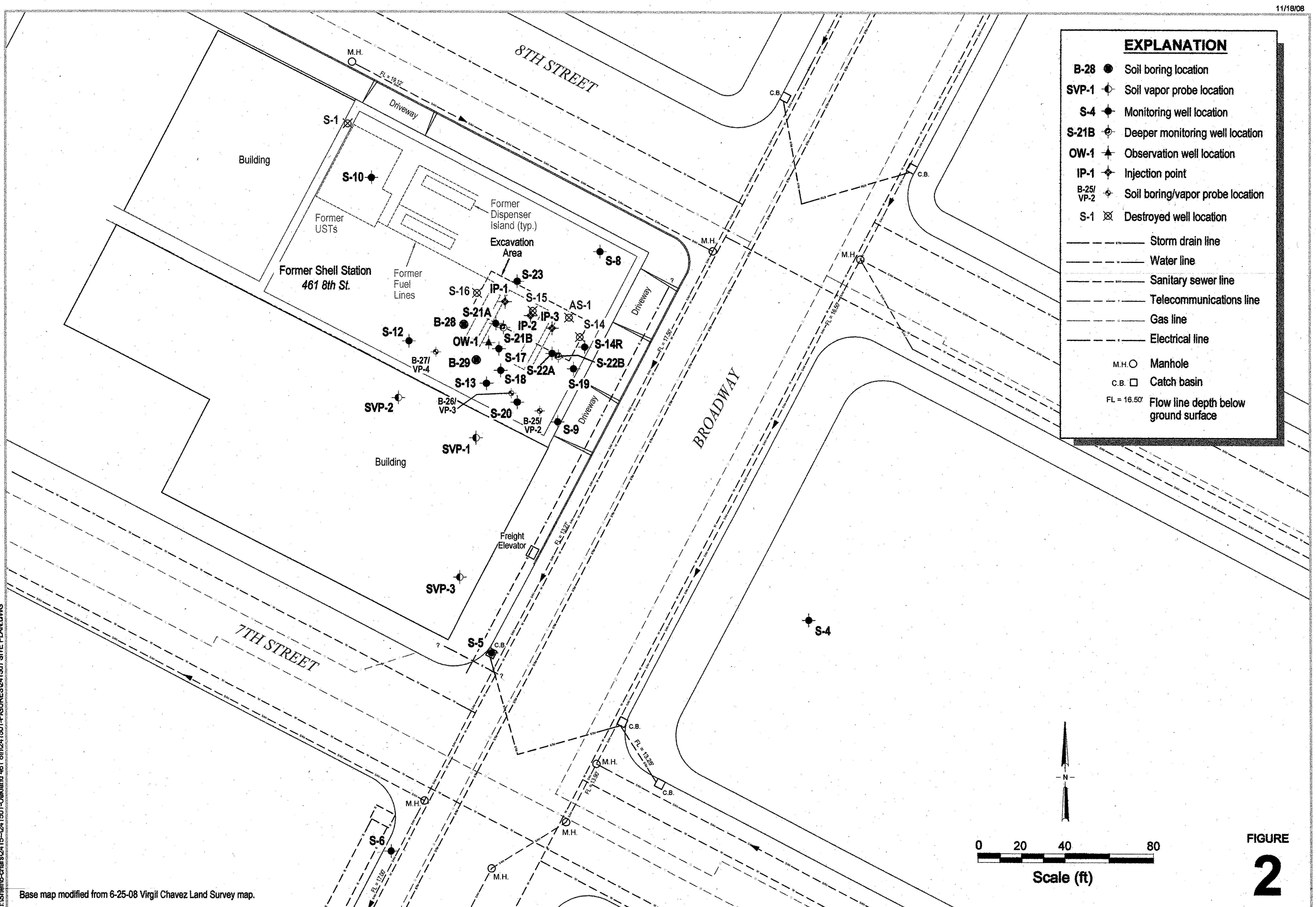
SCALE (MILES)

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

11/18/08


8TH STREET
7TH STREET
BROADWAY
Building
Building
Former Shell Station
461 8th St.
Former USTs
Former Dispenser Island (typ.)
Former Fuel Lines
Excavation Area
Driveway
Driveway
Driveway
Freight Elevator
M.H.
C.B.
FL = 19.12'
FL = 17.50'
FL = 16.50'
FL = 13.77'
FL = 13.25'
FL = 13.90'
FL = 17.00'
S-1
S-4
S-5
S-6
S-8
S-9
S-10
S-12
S-13
S-14
S-14R
S-15
S-16
S-17
S-18
S-19
S-20
S-21A
S-21B
S-22A
S-22B
S-23
IP-1
IP-2
IP-3
AS-1
OW-1
B-28
B-29
B-25/ VP-2
B-26/ VP-3
B-27/ VP-4
SVP-1
SVP-2
SVP-3
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S-4 Monitoring well location
S-21B Deeper monitoring well location
OW-1 Observation well location
IP-1 Injection point
B-25/ VP-2 Soil boring/vapor probe location
S-1 Destroyed well location
Storm drain line
Water line
Sanitary sewer line
Telecommunications line
Gas line
Electrical line
M.H. Manhole
C.B. Catch basin
FL = 16.50' Flow line depth below ground surface
N
0 20 40 80
Scale (ft)
Base map modified from 6-25-08 Virgil Chavez Land Survey map.

I:\Shell\6-chars\2415--\241501-Oakland 461 8th\241501-FIGURES\241501 SITE PLAN.DWG

Site Plan

CONESTOGA-ROVERS & ASSOCIATES

FIGURE 2

Former Shell Service Station
461 8th Street
Oakland, California

11/19/08

Soil Chemical Concentration Map

Sample ID	Date	Depth	TPHg	Benzene
S-21B-5.5	9/23/2008	5.5	<0.50	<0.0050
S-21B-15.5	9/23/2008	15.5	1.9	0.028
S-21B-20.5	9/23/2008	20.5	**2,300**	<5.0
S-21B-25.5	9/23/2008	25.5	**7,100**	**37**
S-21B-30.5	9/23/2008	30.5	0.51	<0.0050
S-21B-35.5	9/23/2008	35.5	<0.50	<0.0050
S-21B-40.5	9/23/2008	40.5	<0.50	<0.0050
S-21B-45.5	9/23/2008	45.5	<0.50	<0.0050

Sample ID	Date	Depth	TPHg	Benzene
S-23-5.5	9/24/2008	5.5	<0.50	<0.0050
S-23-10.5	9/24/2008	10.5	1.3	<0.0050
S-23-15.5	9/24/2008	15.5	<0.50	0.0078
S-23-20.5	9/24/2008	20.5	**3,700**	**17**
S-23-25.5	9/24/2008	25.5	**1,600**	**1.5**
S-23-30.5	9/24/2008	30.5	<0.50	<0.0050
S-23-34.5	9/24/2008	34.5	68	<0.0050

Sample ID	Date	Depth	TPHg	Benzene
S-21A-5.5	9/25/2008	5.5	<0.50	<0.0050
S-21A-10.5	9/25/2008	10.5	<0.50	<0.0050
S-21A-15.5	9/25/2008	15.5	<0.50	<0.0050
S-21A-20.5	9/25/2008	20.5	**3,000**	**12**
S-21A-26.5	9/25/2008	26.5	**3,500**	**4.8**

Sample ID	Date	Depth	TPHg	Benzene
B-28-5.5	9/26/2008	5.5	<0.50	<0.0050
B-28-10.5	9/26/2008	10.5	<0.50	<0.0050
B-28-15.5	9/26/2008	15.5	<0.50	0.0059
B-28-20.5	9/26/2008	20.5	<0.50	0.0051
B-28-25.5	9/26/2008	25.5	**1,500**	<2.5
B-28-30.5	9/26/2008	30.5	62	<0.50
B-28-35.5	9/26/2008	35.5	<50	<0.50
B-28-40.5	9/26/2008	40.5	<0.50	<0.0050
B-28-45.5	9/26/2008	45.5	<0.50	<0.0050

Sample ID	Date	Depth	TPHg	Benzene
S-14R-5.5	9/23/2008	5.5	<0.50	<0.0050
S-14R-10.5	9/23/2008	10.5	<0.50	<0.0050
S-14R-15.5	9/23/2008	15.5	<0.50	<0.0050
S-14R-20.5	9/23/2008	20.5	99	<0.50
S-14R-25.5	9/23/2008	25.5	<0.50	<0.0050
S-14R-30.5	9/23/2008	30.5	<0.50	<0.0050
S-14R-34.5	9/23/2008	34.5	56	<0.50

Sample ID	Date	Depth	TPHg	Benzene
B-29-5.5	9/26/2008	5.5	<0.50	<0.0050
B-29-10.5	9/26/2008	10.5	<0.50	<0.0050
B-29-15.5	9/26/2008	15.5	<0.50	<0.0050
B-29-20.5	9/26/2008	20.5	<0.50	<0.0050
B-29-25.5	9/26/2008	25.5	**5,800**	**14**
B-29-30.5	9/26/2008	30.5	0.69	0.0063
B-29-35.5	9/26/2008	35.5	<0.50	<0.0050
B-29-40.5	9/26/2008	40.5	<0.50	<0.0050
B-29-45.5	9/26/2008	45.5	<0.50	<0.0050

Sample ID	Date	Depth	TPHg	Benzene
S-19-5.5	9/22/2008	5.5	<0.50	<0.0050
S-19-10.5	9/22/2008	10.5	<0.50	<0.0050
S-19-15.5	9/22/2008	15.5	<0.50	<0.0050
S-19-20.5	9/22/2008	20.5	<0.50	0.019
S-19-25.5	9/22/2008	25.5	<0.50	0.0086
S-19-30.5	9/22/2008	30.5	<0.50	<0.0050
S-19-35.5	9/22/2008	35.5	<0.50	<0.0050
S-19-40.5	9/22/2008	40.5	<0.50	<0.0050
S-19-45.5	9/22/2008	45.5	<0.50	<0.0050

Sample ID	Date	Depth	TPHg	Benzene
S-20-5.5	9/22/2008	5.5	<0.50	<0.0050
S-20-10.5	9/22/2008	10.5	<0.50	<0.0050
S-20-15.5	9/22/2008	15.5	<0.50	<0.0050
S-20-20.5	9/22/2008	20.5	28	0.0088
S-20-25.5	9/22/2008	25.5	0.58	0.012
S-20-30.5	9/22/2008	30.5	58	<0.50
S-20-35.5	9/22/2008	35.5	<0.50	<0.0050
S-20-40.5	9/22/2008	40.5	<0.50	<0.0050
S-20-45.5	9/22/2008	45.5	<0.50	<0.0050

Sample ID	Date	Depth	TPHg	Benzene
S-22A-5.5	9/25/2008	5.5	<0.50	<0.0050
S-22A-10.5	9/25/2008	10.5	<0.50	<0.0050
S-22A-15.5	9/25/2008	15.5	3.5	<0.0050
S-22A-20.5	9/25/2008	20.5	<0.50	<0.0050
S-22A-26.5	9/25/2008	26.5	**3,900**	11

Sample ID	Date	Depth	TPHg	Benzene
S-22B-5.5	9/22/2008	5.5	<0.50	<0.0050
S-22B-10.5	9/22/2008	10.5	<0.50	<0.0050
S-22B-15.5	9/22/2008	15.5	1.9	<0.0050
S-22B-20.5	9/22/2008	20.5	<0.50	<0.0050
S-22B-25.5	9/22/2008	25.5	**1,200**	**2.6**
S-22B-30.5	9/22/2008	30.5	<0.50	<0.0050
S-22B-35.5	9/22/2008	35.5	56	<0.50
S-22B-40.5	9/22/2008	40.5	14[a]	0.012
S-22B-45.5	9/22/2008	45.5	<0.50	<0.0050

EXPLANATION

- B-28 — Soil boring location
- S-4 — Monitoring well location
- S-21B — Deeper monitoring well location
- OW-1 — Observation well location
- S-1 — Destroyed well location
- Storm drain line
- Water line
- Sanitary sewer line
- Telecommunications line
- Gas line
- Electrical line
- M.H. — Manhole
- C.B. — Catch basin
- FL = 16.50' — Flow line depth below ground surface

Sample ID	Date	Depth	TPHg	Benzene
S-21A-5.5	9/25/2008	5.5	<0.50	<0.0050
S-21A-10.5	9/25/2008	10.5	<0.50	<0.0050
S-21A-15.5	9/25/2008	15.5	<0.50	<0.0050
S-21A-20.5	9/25/2008	20.5	**3,000**	**12**
S-21A-26.5	9/25/2008	26.5	**3,500**	**4.8**

Soil sample ID and depth in feet below grade. TPHg and benzene concentrations in soil, in milligrams per kilogram (mg/kg)

8TH STREET

7TH STREET

BROADWAY

Former Shell Station
461 8th St.

Former USTs

Former Dispenser Island (typ.)

Excavation Area

Former Fuel Lines

Building

Driveway

S-1, S-4, S-5, S-6, S-8, S-9, S-10, S-12, S-13, S-14, S-14R, S-15, S-16, S-17, S-18, S-19, S-20, S-21A, S-21B, S-22A, S-22B, S-23, AS-1, OW-1, B-28, B-29

M.H., C.B., FL = 17.00', FL = 16.50', FL = 13.25', FL = 13.00'

0 10 20 40
Scale (ft)

N

FIGURE
3

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Base map modified from 6-25-08 Virgil Chavez Land Survey map.

I:\Shell\6-chars\2415--\241501-Oakland 461 8th\241501-FIGURES\241501 SOIL DATA.DWG

TABLES

TABLE 1

SOIL ANALYTICAL DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*
B-28-5.5	9/26/2008	5.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
B-28-10.5	9/26/2008	10.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
B-28-15.5	9/26/2008	15.5	<0.50	0.0059	<0.0050	<0.0050	<0.010
B-28-20.5	9/26/2008	20.5	<0.50	0.0051	0.0054	<0.0050	0.013
B-28-25.5	9/26/2008	25.5	**1,500**	<2.5	**7.0**	**17**	**72**
B-28-30.5	9/26/2008	30.5	62	<0.50	<0.50	<0.50	**2.6**
B-28-35.5	9/26/2008	35.5	<50	<0.50	0.51	<0.50	1.4
B-28-40.5	9/26/2008	40.5	<0.50	<0.0050	0.013	0.0074	0.044
B-28-45.5	9/26/2008	45.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
B-29-5.5	9/26/2008	5.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
B-29-10.5	9/26/2008	10.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
B-29-15.5	9/26/2008	15.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
B-29-20.5	9/26/2008	20.5	<0.50	<0.0050	0.0055	<0.0050	0.020
B-29-25.5	9/26/2008	25.5	**5,800**	**14**	**260**	**82**	**600**
B-29-30.5	9/26/2008	30.5	0.69	0.0063	0.033	0.0087	0.058
B-29-35.5	9/26/2008	35.5	<0.50	<0.0050	0.0089	<0.0050	0.030
B-29-40.5	9/26/2008	40.5	<0.50	<0.0050	0.031	0.011	0.073
B-29-45.5	9/26/2008	45.5	<0.50	<0.0050	0.0064	<0.0050	0.020
S-14R-5.5	9/23/2008	5.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-14R-10.5	9/23/2008	10.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-14R-15.5	9/23/2008	15.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-14R-20.5	9/23/2008	20.5	**99**	<0.50	<0.50	0.66	**2.8**
S-14R-25.5	9/23/2008	25.5	<0.50	<0.0050	<0.0050	<0.0050	0.023
S-14R-30.5	9/23/2008	30.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-14R-34.5	9/23/2008	34.5	56	<0.50	0.73	0.60	**3.2**
S-19-5.5	9/22/2008	5.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-19-10.5	9/22/2008	10.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-19-15.5	9/22/2008	15.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-19-20.5	9/22/2008	20.5	<0.50	0.019	<0.0050	<0.0050	0.0064
S-19-25.5	9/22/2008	25.5	<0.50	0.0086	0.028	0.014	0.073
S-19-30.5	9/22/2008	30.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-19-35.5	9/22/2008	35.5	<0.50	<0.0050	<0.0050	<0.0050	0.0054

TABLE 1

SOIL ANALYTICAL DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*
S-19-40.5	9/22/2008	40.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-19-45.5	9/22/2008	45.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-20-5.5	9/22/2008	5.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-20-10.5	9/22/2008	10.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-20-15.5	9/22/2008	15.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-20-20.5	9/22/2008	20.5	28[a]	0.0088	0.018	0.15	0.66 [a]
S-20-25.5	9/22/2008	25.5	0.58	0.012	0.023	0.015	0.073
S-20-30.5	9/22/2008	30.5	58	<0.50	<0.50	<0.50	1.4
S-20-35.5	9/22/2008	35.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-20-40.5	9/22/2008	40.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-20-45.5	9/22/2008	45.5	<0.50	<0.0050	0.0067	<0.0050	0.012
S-21A-5.5	9/25/2008	5.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-21A-10.5	9/25/2008	10.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-21A-15.5	9/25/2008	15.5	<0.50	<0.0050	<0.0050	<0.0050	0.041
S-21A-20.5	9/25/2008	20.5	**3,000**	**12**	**140**	**61**	**360**
S-21A-26.5	9/25/2008	26.5	**3,500**	**4.8**	**29**	**38**	**170**
S-21B-5.5	9/23/2008	5.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-21B-15.5	9/23/2008	15.5	1.9	0.028	0.11	0.030	0.38
S-21B-20.5	9/23/2008	20.5	**2,300**	<5.0	**88**	**52**	**360**
S-21B-25.5	9/23/2008	25.5	**7,100**	**37**	**250**	**130**	**760**
S-21B-30.5	9/23/2008	30.5	0.51	<0.0050	<0.0050	<0.0050	0.028
S-21B-35.5	9/23/2008	35.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-21B-40.5	9/23/2008	40.5	<0.50	<0.0050	0.012	<0.0050	0.028
S-21B-45.5	9/23/2008	45.5	<0.50	<0.0050	0.013	0.0063	0.039
S-22A-5.5	9/25/2008	5.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-22A-10.5	9/25/2008	10.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-22A-15.5	9/25/2008	15.5	3.5	<0.0050	<0.0050	<0.0050	0.013
S-22A-20.5	9/25/2008	20.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-22A-26.5	9/25/2008	26.5	**3,900**	**11**	**70**	**55**	**310**

TABLE 1

SOIL ANALYTICAL DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*
S-22B-5.5	9/22/2008	5.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-22B-10.5	9/22/2008	10.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-22B-15.5	9/22/2008	15.5	1.9	<0.0050	<0.0050	<0.0050	<0.010
S-22B-20.5	9/22/2008	20.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-22B-25.5	9/22/2008	25.5	**1,200**	**2.6**	**13**	**17**	**81**
S-22B-30.5	9/22/2008	30.5	<0.50	<0.0050	<0.0050	<0.0050	0.0063
S-22B-35.5	9/22/2008	35.5	56	<0.50	0.83	0.69	**3.7**
S-22B-40.5	9/22/2008	40.5	14[a]	0.012	<0.0050	<0.0050	0.29 [a]
S-22B-45.5	9/22/2008	45.5	<0.50	<0.0050	<0.0050	<0.0050	0.0079
S-23-5.5	9/24/2008	5.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-23-10.5	9/24/2008	10.5	1.3	<0.0050	<0.0050	<0.0050	<0.010
S-23-15.5	9/24/2008	15.5	<0.50	0.0078	<0.0050	<0.0050	0.0082
S-23-20.5	9/24/2008	20.5	**3,700**	**17**	**170**	**86**	**480**
S-23-25.5	9/24/2008	25.5	**1,600**	**1.5**	**15**	**16**	**87**
S-23-30.5	9/24/2008	30.5	<0.50	<0.0050	<0.0050	<0.0050	0.0072
S-23-34.5	9/24/2008	34.5	68	<0.0050	<0.0050	<0.0050	0.014
ESLs [b]			83	0.044	2.9	3.3	2.3

Notes:

All results in miligrams per kilograms (mg/kg) unless otherwise indicated.
TPHg = Total petroleum hydrocarbons as gasoline analyzed by GCMS/8260B.
Benzene, toluene, ethylbenzene, xylenes analyzed by GCMS/8260B.
fbg = feet below grade
<x = Not detected at reporting limit x
SFRWQCB = San Francisco Bay Regional Water Quality Control Board
ESL = Environmental screening level

a = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
b = Table C, -Environmental Screening Levels (ESLs), Deep Soils (>3m bgs), Groundwater is a Current or Potential Source of Drinking Water, for residential land use. Ref: SFRWQCB Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater Interim Final - November 2007 (Revised May 2008).

APPENDIX A

SITE HISTORY

SITE HISTORY

1979 - 1980 - BART Construction/SPH: During January 1979, separate phase hydrocarbons (SPH) were reported in a Bay Area Rapid Transit (BART) tunnel under the intersection of 7th Street and Broadway. Product line testing at the site indicated a pressure leak, and the product lines were replaced in January 1979. The USTs were also tested for tightness and passed. According to the *Bart Recovery Project Log* (chronological list of events - 1/10/79 through 12/3/81) and a 1981 Groundwater Technology, Inc. *Considerations on Infiltration of Gasoline into BART KE Line* report, one observation well is reported to have been drilled to a depth of 25 feet concurrent with piping replacement with no reports of contamination. Separate-phase product samples taken from the BART tube in January 1979 and in May 1981 reported the product as Shell Regular. Approximately 2,600 gallons (48 55-gallon drums) of a gasoline-and-water mixture are reported to have been removed from the BART tunnel between October 1979 and April 1980. The Shell station discontinued operation in May 1980, and all existing improvements, tanks, and associated piping were removed at that time. It is unknown whether a UST and piping removal report exists; to date, it has not been located.

1981 - 1988 - Monitoring Wells and GWE: Seven monitoring wells (L-1 through L-7) were installed during 1981. Based on recommendations following this investigation, a recovery well was installed in the vicinity of well L-6 (now re-named S-6) in 1982. According to a September 14, 1993 GeoStrategies Inc. (GSI) *Work Plan*, groundwater extraction from the recovery well began in February 1982 and continued until August 1982, when the system was shut down because the effluent discharge exceeded permitted discharge levels. Wells L-1 through L-3 were destroyed during construction of the BART tunnels in the mid-1980's and are no longer accessible. Records of the well destructions are not available. Wells L-4, L-5, and L-6 were renamed S-4, S-5, and S-6. Gettler-Ryan Inc. began gauging wells S-4 through S-6 in 1986 and collecting groundwater samples for analysis in 1988. A November 2, 1993 *Work Plan for Soil and Groundwater Sampling* prepared by Enviros, Inc. (Enviros) indicates that groundwater was extracted from wells S-5 and S-6 by bailing or by a vacuum truck beginning in October 1988.

1993 - Phase I Assessment: Information collected by GSI and reported in a June 30, 1993 *Phase I Preliminary Site Assessment* identified seven sites with known UST leaks within a ¼-mile radius of the site. One of the seven sites identified is the Oakland Police Department site, which was noted in the *Bart Recovery Project Log* to have replaced leaking USTs in October 1979 and to have accepted product deliveries by a local Shell gasoline distributor. During a review of available regulatory files, GSI noted a permit to

repair the product lines and dispensers at the Oakland Police Department parking lot taken out in 1984 by Egan and Paradiso Company, but no additional information was available. It appears that no environmental investigation has been conducted for this site.

1994 - B-1 through B-9: During July 1994, nine soil borings (B-1 through B-9) were installed in the vicinity of the former pump islands and the former USTs at the site. Investigation activities are described in an August 16, 1994 Enviros *Site Investigation Report*. The maximum total petroleum hydrocarbons as gasoline (TPHg) and benzene concentrations reported in soil samples were 15 milligrams per kilogram (mg/Kg) and 0.24 mg/Kg, respectively, collected near the former pump islands. No TPHg or benzene was reported in the area of the former piping or the former UST locations.

1994-1995 - S-8 through S-10 and Monitoring: During December 1994, onsite monitoring wells S-8, S-9, and S-10 were installed in similar locations as the previously destroyed wells L-2, L-3, and L-1, respectively. Investigation activities are described in a February 14, 1995 Enviros *Site Investigation Report and Quarterly Monitoring Report - First Quarter 1995*. Except for 0.014 mg/Kg benzene in a sample from S-8 at 21.5 fbg, no TPHg or benzene was reported in soil samples collected from wells S-8 and S-9. Except for 760 mg/Kg TPHg and 0.0032 mg/Kg benzene reported in the sample from S-10 at 11.5 fbg, no TPHg or benzene was reported in soil samples collected from well S-10.

2003 - Offsite Investigation: During October 2003, one soil boring (HA-1) was installed within 7th Street, south of the site. Three additional offsite soil borings (one in Broadway near well S-5, one northwest of Broadway within 6th Street, and one near the eastern corner of Broadway and 6th Street) were attempted. However, subsurface obstructions and utility corridors were encountered, and the borings could not be completed. No TPHg, benzene, or methyl tertiary butyl ether (MTBE) was detected in soil samples collected from boring HA-1. No TPHg or benzene, and 6.3 micrograms per liter (µg/L) MTBE were detected in a grab groundwater sample collected from boring HA-1. Investigation activities are described in the December 16, 2003 *Subsurface Investigation Report* prepared by Cambria Environmental Technology, Inc. (Cambria).

2004 Subsurface Investigation for Development: During May 2004, Treadwell & Rollo, Inc. (T&R) of Oakland, California installed four soil borings (TR-1 through TR-4) onsite to collect soil and soil vapor samples. No TPHg or volatile organic compounds (VOCs) were detected in soil samples, and no benzene, toluene, ethylbenzene, or xylenes (BTEX) were detected in soil vapor samples collected. Investigation results are summarized in T&R's March 27, 2006 *Subsurface Investigation* report.

2006 - Work Plan and Access Negotiations: Access to the subject site for investigation prior to 2006 did not occur as Shell and Wells Fargo did not execute an access agreement. The property subsequently changed ownership, and Shell was granted access for investigation. The new property owner had plans for constructing a commercial development over the entire parcel, with subsurface parking and second story residential units. Once developed, future access to the site for subsurface investigation will not be feasible. Thus, Cambria's June 7, 2006 *Subsurface Investigation Work Plan* proposed installing ten (10) soil borings (B-10 through B-19) in the vicinity of the former piping and dispenser areas and four (4) soil borings (B-20 through B-23) for the collection of soil and grab groundwater samples.

December 2006 - B-10 through B-23: During December 2006, 14 soil borings (B-10 through B-23) were drilled onsite. From the borings reported in this investigation, vadose zone impacted soils exist primarily at B-12, and to a lesser extent at B-13, B-14, and B-19. Fuel oxygenates are not present in any of the soil samples with the exception of 0.05 to 0.083 milligrams per kilogram (mg/kg) of tert butyl alcohol at 15 and 20 fbg in B-13 and at 14 fbg in B-14. Lead scavengers (1,2-Dichloroethane [1,2-DCA] and ethylene dibromide [EDB]) were not reported in any soil samples. Groundwater impact was reported in every grab groundwater sample except B-20. The highest concentrations of TPHg and BTEX were reported beneath the dispensers and product piping, and directly downgradient (southwest) thereof. The maximum concentration of TPHg was reported in the grab sample from B-22 at 960,000 micrograms per liter (µg/l) and the maximum concentration of benzene was reported in B-10 at 24,000 µg/l. None of the five fuel oxygenates were reported in any of the grab groundwater samples. 1,2-DCA was reported in 9 of the 14 water samples at concentrations ranging from 3.0 to 410 µg/l, and EDB was reported in one of the 14 water samples (B-12) at a concentration of 52 µg/l. Investigation activities are described in the March 2, 2007 *Subsurface Investigation Report* prepared by Conestoga-Rovers & Associates (CRA). Based on the findings and conclusions, CRA recommended additional delineation of the vertical extent of groundwater impact beneath the site, collection of soil gas samples to further evaluate potential development issues, installation of a monitoring well near boring B-22 for monitoring and possible groundwater extraction, installation of a monitoring well along 7th Street, downgradient of the site to replace monitoring well S-5 which is no longer accessible due to the issue of confined space entry, delineation of the horizontal extent of impact downgradient of impacted well S-6, as requested by the ACHCSA, and requested a meeting with the agency.

March - November 2007 - Meetings and Correspondence: The ACHCSA met with Shell and CRA on March 9, 2007. During that meeting, various remedial alternatives were discussed for the site, with consideration toward the potential development of the site.

In a letter dated March 30, 2007, the ACHCSA requested work plans for soil vapor sampling, vertical delineation of contamination and proposed locations for additional wells, an evaluation and proposal for on-site remediation, and information concerning the schedule and design specifications for any proposed development for the site. In response, Shell submitted Cambria's May 25, 2007 *Remedial Alternatives Evaluation, Site Investigation and DPE Pilot Test Work Plan*, which proposed: (1) Permit and destroy well S-5; (2) Permit and install replacement well in 7th Street (S-11); (3) Obtain access agreement and install soil vapor probes in basement of adjacent building; sample vapor probes; (4) Install four borings for vertical assessment of lithology, soil and groundwater impact (SB-24 through SB-27); (5) After receipt and review of data from SB-24 through SB-27, confirm location and construction of proposed onsite monitoring wells (S-12 through S-16); install and develop new wells; (6) Perform DPE pilot test. On October 18, 2007, a meeting between ACHCSA, Shell, and the property owner (A.F. Evans) was held, and in correspondence dated October 19, 2007, the ACHCSA approved the May 25, 2007 work plan with additional actions. Specifically, Shell was to provide a work plan addendum to include an air sparging pilot test, and onsite soil vapor sampling. Additionally, the ACHCSA requested that soil excavation be considered as part of a remedial alternative in a Corrective Action Plan. The ACHCSA's requests were incorporated into CRA's October 30, 2007 *Work Plan Addendum*. The work was conditionally approved by the ACEH correspondence dated November 9, 2007.

November 2007 – January 2008, Investigation and Pilot Testing: Between November 3 and December 13, 2007, CRA installed borings B-24 through B-27, converted them into vapor probes VP-1 through VP-4, installed monitoring wells S-12 through S-16 and air sparge well, AS-1. The DPE pilot test was performed on January 7 and 8, 2008 and AS pilot test was performed on January 10 and 11, 2008. The data, findings, conclusions and recommendations from these activities are documented in CRA's February 25, 2008 *Site Investigation and Pilot Test Report, and Corrective Action Plan*. The CAP evaluated monitored natural attenuation, in-situ chemical oxidation (ISCO), DPE, Excavation, and AS/SVE as remedial alternatives, and selected AS/SVE.

March and April 2008 - Correspondence and Meetings: The ACHCSA responded to the February 25, 2008 *Site Investigation and Pilot Test Report, and Corrective Action Plan* in correspondence dated March 14, 2008. This correspondence enumerated 7 specific technical comments to be addressed and requested submittal of a "Revised Site Investigation/DPE Pilot Test Report and Draft Corrective Action Plan". While in the process of preparing this response, Shell attended a meeting with ACHCSA and the property owners, A.F. Evans on April 1, 2008. During that meeting, Shell agreed to perform limited excavation at the subject site, in an effort to more rapidly remove residual mass from the vadose zone soils at the subject site than would an insitu

technique, in consideration of anticipated site development. Thus, the ACHCSA technical comments from their March 14, 2008 correspondence were responded to, and a plan for remediation by excavation and possible secondary remediation by insitu chemical oxidation (ISCO) were presented in, CRA's April 17, 2008 *Remedial Action Plan*. The ACHCSA approved excavation as an interim remedial action, with conditions in correspondence dated April 24, 2008.

May 2008 - Well Destructions and Installations: Owing to the proposed rapid field schedule for excavation work, numerous phone conversations and email correspondence between ACHCSA, Shell, CRA, and A. F. Evans occurred resulting in the destruction of monitoring wells S-14, S-15, S-16, and AS-1 on May 23, 2008 by pressure grouting, and the installation of wells S-17, S-18, and OW-1 on May 30, 2008 prior to excavation.

June10, 2008 - Correspondence: The ACHCSA June 10, 2008 correspondence approved CRA's excavation and ISCO piping installation work plan presented in their June 9, 2008 *Agency Response and Work Plan Addendum*.

June11, 2008 - Correspondence: The ACHCSA June 11, 2008 correspondence gave conditional approval to CRA's ISCO injection work plan presented in their June 9, 2008 *Agency Response and Work Plan Addendum*. In the June 11, 2008 letter, ACHCS requested additional Monitoring Work Plan Addendum to address monitoring parameters, increased groundwater monitoring, sequencing of application and contingent measures during the after the ISCO injection applications.

June 2008 - Soil Excavation and ISCO Piping Installation: Gettler-Ryan Inc. (GRI) of Dublin, California conducted shoring and excavation activities between June 3 and June 10, 2008. The excavation was extended to approximately 20 feet below grade (fbg). Three sets of ISCO injection points were placed within the excavation. Each injection point is a vertical riser connected to 4 horizontal pipes radiating out in four directions from beneath the riser. Approximately 6 inches of gravel base was placed in the bottom of the excavation, and injection piping was installed. Following piping construction within the excavation, the excavation was backfilled around the piping with approximately 3 feet of gravel pack, and filter fabric was placed over the gravel pack. The remaining open excavation was backfilled to grade with compactable Class II backfill and compacted to at least 90% compaction. Approximately 1,340 tons of soil generated during excavation activities was removed from the site and delivered to Waste Management's Altamont Landfill for disposal as non-hazardous waste.

July 200 - Vertical Delineation Investigation Work Plan: CRA submitted a July 15, 2008 *Vertical Delineation and Monitoring Well Installation Work Plan* in response to ACHCSA letters to Shell dated April 24, June 10, and July 11, 2008. The ACHCSA requested completion of the vertical delineation of soil and groundwater impact in the southern portion of the site, and that additional monitoring wells be installed prior to the performance of interim remediation by insitu chemical oxidation (ISCO). Further, Shell and CRA proposed the installation of deeper screened wells near the excavated area to better evaluate results from any ISCO activities performed.

APPENDIX B

PERMITS

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 08/27/2008 By jamesy

Permit Numbers: W2008-0598 to W2008-0606
Permits Valid from 09/18/2008 to 09/26/2008

Application Id: 1219099016569
Site Location: 461 8th St, Oakland, CA
Project Start Date: 09/18/2008
Requested Inspection: 09/18/2008
City of Project Site: Oakland
Completion Date: 09/26/2008
Scheduled Inspection: 09/18/2008 at 2:00 PM (Contact your inspector, Vicky Hamlin at (510) 670-5443, to confirm.)

Applicant: CONESTOGA ROVERS & ASSOCIATES - Sherry Phillips
19499 Riverside Dr #230, Sonoma, CA 95476
Phone: 707-935-4850

Property Owner: AF Evans Co. c/o Greg Luntes
1000 Broadway #300, Oakland, CA 94507
Phone: 510-267-4686

Client: ** same as Property Owner **

Total Due: $2990.00
Receipt Number: WR2008-0301 **Total Amount Paid:** $2990.00
Payer Name : Conestoga-Rovers Associates Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Well Construction-Monitoring-Monitoring - 8 Wells
Driller: Gregg Drilling - Lic #: 485165 - Method: other

Work Total: $2760.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2008-0598	08/27/2008	12/17/2008	S-14R	10.00 in.	4.00 in.	18.00 ft	35.00 ft
W2008-0599	08/27/2008	12/17/2008	S-19	10.00 in.	4.00 in.	18.00 ft	50.00 ft
W2008-0600	08/27/2008	12/17/2008	S-20	10.00 in.	4.00 in.	18.00 ft	50.00 ft
W2008-0601	08/27/2008	12/17/2008	S-21A	10.00 in.	4.00 in.	18.00 ft	27.00 ft
W2008-0602	08/27/2008	12/17/2008	S-21B	10.00 in.	4.00 in.	28.00 ft	50.00 ft
W2008-0603	08/27/2008	12/17/2008	S-22A	10.00 in.	4.00 in.	18.00 ft	27.00 ft
W2008-0604	08/27/2008	12/17/2008	S-22B	10.00 in.	4.00 in.	28.00 ft	50.00 ft
W2008-0605	08/27/2008	12/17/2008	S-23	10.00 in.	4.00 in.	18.00 ft	35.00 ft

Specific Work Permit Conditions

1. 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.

2. Permitte, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no

permit

case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

3. 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.

4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.

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

6. 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.

7. 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.

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

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

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

Borehole(s) for Geo Probes-Sampling 24 to 72 hours only - 2 Boreholes
Driller: Gregg Drilling - Lic #: 485165 - Method: DP **Work Total: $230.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2008-0606	08/27/2008	12/17/2008	2	1.00 in.	50.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled

violation is committed, continued, or permitted, and shall be subject to the same punishment as for the original offense. (Prior gen. code §3-160.6)

Enforcement actions will be determined by this office on a case-by-case basis
Drilling without a permit shall be the cost of the permit(s) and a fine of $500.00 (Five Hundred Dollars).

Well Completion Reports (State DWR-188 forms) must be filed with the Well Standards Program within 60 days of completing work. Staff will review the report, assign a state well number, and then forward it to the California Department of Water Resources (DWR). Drillers should not send completed reports to DWR directly. Failure to file a Well Completion Report or deliberate falsification of the information is a misdemeanor; it is also grounds for disciplinary action by the Contractors' State License Board. Also note that filed Well Completion Reports are considered private record protected by state law and can only be released to the well owner or those specifically authorized by government agencies.

See our website (www.acgov.org/pwa/wells/index.shtml) for links to additional forms.

APPENDIX C

BORING LOGS

Cambria Environmental Technology, Inc.
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**	S-14R
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	23-Sep-08
LOCATION	461 8th Street, Oakland, California	**DRILLING COMPLETED**	24-Sep-08
PROJECT NUMBER	241501-009	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling, C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	10"	**SCREENED INTERVALS**	20 to 35 fbg
LOGGED BY	S. Phillips	**DEPTH TO WATER (First Encountered)**	25.0 fbg (24-Sep-08) ▽
REVIEWED BY	T. Sparrowe	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Air knifed to 5'.		

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 12" well box
							Silty SAND (SM); black (7.5YR 2.5/1); dry; 30% silt, 70% sand; fine grained, poorly graded.		Portland Type I/II
0.0	7, 9, 15	S-14R 5.5		5			@ 5' - reddish brown (5YR 4/4); 40% silt, 60% sand.		4" diam., Schedule 40 PVC
0.0	14, 19, 22	S-14R 10.5		10	SM		@ 10' - yellowish red (5YR 4/6).		
37.8	11, 14, 15	S-14R 15.5		15			@ 15' - dark yellowish brown (10YR 4/4); moist.		Bentonite Seal
20.5	14, 16, 19	S-14R 20.5		20			@ 20' - 20% silt, 80% sand.		Monterey Sand #2/12
							▽	25.0	
90.5	12, 14, 15	S-14R 25.5		25			**SAND (SP)**; dark olive brown (2.5Y 3/3); moist; 100% sand; fine grained, poorly graded.		4"-diam., 0.020" Slotted Schedule 40 PVC
0.0	19, 22, 29	S-14R 30.5		30	SP		@ 30' - wet.		
2.0	11, 18, 16	S-14R 34.5		35				35.5	Bottom of Boring @ 35 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2415--\241501-OAKLAND 461 8TH\241501-PRE-OCT 2008\GINT\4681OAKLAND.GPJ DEFAULT.GDT 11/18/08

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	S-19
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	22-Aug-08
LOCATION	461 8th Street, Oakland, California	**DRILLING COMPLETED**	23-Aug-08
PROJECT NUMBER	241501-009	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling, C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	10"	**SCREENED INTERVALS**	20 to 35 fbg
LOGGED BY	S. Phillips	**DEPTH TO WATER (First Encountered)**	25.0 fbg (23-Aug-08) ▽
REVIEWED BY	T. Sparrowe	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Air knifed to 5'.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (fbg)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
			0		**ASPHALT**	0.5
				CL	**CLAY with Sand (CL)**; brown (7.5YR 4/3); dry; 75% clay, 20% sand, 5% gravel; low plasticity.	
1.9	8 11 16	S-19 5.5	5			5.0
				SM	**Silty SAND (SM)**; strong brown (7.5YR 4/6); dry; 20% clay, 20% silt, 60% sand.	
0.3	14 19 22	S-19 10.5	10			
9.6	8 11 19	S-19 15.5	15		@ 15' - moist.	
183	8 14 16	S-19 20.5	20		**SAND (SP)**; olive brown (2.5Y 4/3); moist; 100% sand; fine grained, poorly graded.	20.0
328	6 9 14	S-19 25.5	25	SP	@ 25' - wet. ▽	
16	17 22 30	S-19 30.5	30		@ 30- dark yellowish brown (10YR 4/4).	
113	8 12 14	S-19 35.5	35	CL	**CLAY (CL)**; wet; dark gray (5YR 4/1); 80% clay, 20% silt; medium plasticity.	35.0
			40			40.0

WELL DIAGRAM: Flush-grade 12" well box; Portland Type I/II; 4" diam., Schedule 40 PVC; Bentonite Seal; Monterey Sand #2/12; 4"-diam., 0.020" Slotted Schedule 40 PVC

WELL LOG (PID) I:\SHELL\6-CHARS\2415-1\241501-OAKLAND 461 8TH\241501-PRE-OCT 2008\GINT\46810AKLAND.GPJ DEFAULT.GDT 11/18/08

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	S-19
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	22-Aug-08
LOCATION	461 8th Street, Oakland, California	**DRILLING COMPLETED**	23-Aug-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
43	4 7 8	S-19 40.5			CL		**CLAY with Sand (CL)** ; dark olive gray (5Y 3/2); 65% clay, 20% silt, 10% sand, 5% gravel; medium plasticity.		Portland Type I/II
1.7		S-19 45.5		45			@ 45' - dark greenish gray (GLEY1 4/10Y).	46.5	Bottom of Boring @ 46.5 fbg

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	S-20
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	22-Sep-08
LOCATION	461 8th Street, Oakland, California	**DRILLING COMPLETED**	23-Sep-08
PROJECT NUMBER	241501-009	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling, C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	10"	**SCREENED INTERVALS**	20 to 35 fbg
LOGGED BY	S. Phillips	**DEPTH TO WATER (First Encountered)**	25.0 fbg (23-Sep-08) ▽
REVIEWED BY	T. Sparrowe	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Air knifed to 5'.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (fbg)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
			0		**ASPHALT**	0.5
					Sandy SILT (ML); brown (7.5YR 4/3); dry; 70% silt, 30% sand; low plasticity.	
0.0	13 17 20	S-20 5.5	5		@ 5' - dark brown (10YR 3/3); 70% silt, 25% sand, 5% gravel.	
			10			10.0
0.0	11 12 19	S-20 10.5			**Silty SAND (SM)**; dark yellowish brown (10YR 4/6); dry; 30% silt, 70% sand.	
0.0	11 12 15	S-20 15.5	15		@ 15' - dark yellowish brown (10YR 3/6); moist.	
				SM		
0.0	14 22 26	S-20 20.5	20		@ 20' - very dark gray (10YR 3/1).	
			25		▽	25.0
0.3	15 25 10	S-20 25.5			**SAND (SP)**; very dark gray (10YR 3/1); wet; 100% sand; fine grained, poorly graded.	
7.0	19 27 31	S-20 30.5	30	SP	@ 30' - dark yellowish brown (10YR 3/6).	
			35			35.0
0.0	7 9 13	S-20 35.5		ML	**SILT with Sand (ML)**; very dark grayish brown (10YR 3/2); wet; 20% clay, 60% silt, 20% sand; medium plasticity.	
			40			40.0

WELL DIAGRAM:
- Flush-grade 12" well box
- Portland Type I/II
- 4" diam., Schedule 40 PVC
- Bentonite Seal
- Monterey Sand #2/12
- 4"-diam., 0.020" Slotted Schedule 40 PVC

WELL LOG (PID) I:\SHELL\16-CHARS\2415--\241501-OAKLAND 461 8TH\241501-PRE-OCT 2008\GINT\46810AKLAND.GPJ DEFAULT.GDT 11/18/08

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	S-20
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	22-Sep-08
LOCATION	461 8th Street, Oakland, California	**DRILLING COMPLETED**	23-Sep-08

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PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0.0	6 5 11	S-20 40.5			SM		**Silty SAND (SM)** ; dark grayish brown (10YR 4/2); moist; 20% silt, 80% sand; fine grained; poorly graded.		Portland Type I/II
				45				45.0	
0.0	7 9 12	S-20 45.5			CH		**CLAY with Sand (CH)** ; dark greenish gray (GLEY1 4/10Y); dry; 80% clay, 20% sand; high plasticity.	46.5	Bottom of Boring @ 46.5 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2415--\241501-OAKLAND 461 8TH\241501-PRE-OCT 2008\GINT\46810AKLAND.GPJ DEFAULT.GDT 11/18/08

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	S-21A
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	25-Sep-08
LOCATION	461 8th Street, Oakland, California	**DRILLING COMPLETED**	25-Sep-08
PROJECT NUMBER	241501-009	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling, C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	10"	**SCREENED INTERVALS**	20 to 27 fbg
LOGGED BY	S. Phillips	**DEPTH TO WATER (First Encountered)**	25.0 fbg (25-Sep-08) ▽
REVIEWED BY	T. Sparrowe	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Air knifed to 5'.		

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 12" well box
							SAND with Gravel (SW); brown (7.5YR 4/3); dry; 60% sand; 40% gravel; well graded (FILL).		Portland Type I/II
0.0	2 2 3	S-21A 5.5		5			@ 5' - dark gray (10YR 4/1); 70% sand, 30% gravel.		4" diam., Schedule 40 PVC
6.1	3 6 7	S-21A 10.5		10	SW		@ 10' - dark brown (10YR 3/3).		
64.5	5 6 6	S-21A 15.5		15			@ 15' - moist, 60% sand, 30% gravel.		Bentonite Seal
									Monterey Sand #2/12
79.1	4 5 6	S-21A 20.5		20			**SAND (SP)**; dark yellowish brown (10YR 4/6); moist; 100% sand; fine grained, poorly graded.	20.0	
				25	SP		@ 25' - dark gray (10YR 4/1); wet. ▽		4"-diam., 0.020" Slotted Schedule 40 PVC
269	13 17 20	S-21A 26.5						27.5	Bottom of Boring @ 27 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2415-\241501-OAKLAND 461 8TH\241501-PRE-OCT 2008\GINT\46810AKLAND.GPJ DEFAULT.GDT 11/18/08

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	S-21B
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	23-Sep-08
LOCATION	461 8th Street, Oakland, California	**DRILLING COMPLETED**	24-Sep-08
PROJECT NUMBER	241501-009	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling, C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	10"	**SCREENED INTERVALS**	30 to 40 fbg
LOGGED BY	S. Phillips	**DEPTH TO WATER (First Encountered)**	25.0 fbg (24-Sep-08) ▽
REVIEWED BY	T. Sparrowe	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Air knifed to 5'.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (fbg)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
			0		**ASPHALT**	0.5
				SM	**Silty SAND (SM)**; reddish brown (2.5YR 4/3); dry; 5% clay, 20% silt, 70% sand, 5% gravel; poorly graded (FILL).	
19.7	1 1 1	S-21B 5.5	5		**SAND with Gravel (SW)**; dark yellowish brown (10YR 4/4); dry; 60% sand, 40% gravel; fine to coarse grained, well graded (FILL).	5.0
292	3 2 2	S-21B 10.5	10	SW		
292	2 2 2	S-21B 15.5	15	GW	**GRAVEL with Sand (GW)**; dark yellowish brown (10YR 4/4); dry; 20% sand, 80% gravel; well graded (FILL).	15.0
4.2	4 6 12	S-21B 20.5	20		**Silty SAND (SM)**; reddish brown (5YR 4/4); 20% silt, 80% sand; fine grained, poorly graded; moist.	20.0
3,520	10 13 17	S-21B 25.5	25	SM	▽ @ 25' - dark gray (2.5Y 4/1); wet.	
143	18 21 30	S-21B 30.5	30		@ 30' - very dark grayish brown (10YR 3/2).	
55	11 12 14	S-21B 35.5	35	CL	**Sandy CLAY (CL)**; very dark grayish brown (10YR 3/2); moist; 50% clay, 20% silt, 30% fine grained sand; medium plasticity.	35.0
			40			40.0

WELL DIAGRAM

- Flush-grade 12" well box
- Portland Type I/II
- 4" diam., Schedule 40 PVC
- Bentonite Seal
- Monterey Sand #2/12
- 4"-diam., 0.020" Slotted Schedule 40 PVC

WELL LOG (PID) I:\SHELL\6-CHARS\2415-\241501-OAKLAND 461 8TH\241501-PRE-OCT 2006\GINT\46810AKLAND.GPJ DEFAULT.GDT 11/18/08

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	S-21B
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	23-Sep-08
LOCATION	461 8th Street, Oakland, California	**DRILLING COMPLETED**	24-Sep-08

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PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
23	9 13 14	S-21B 40.5			CL		**CLAY with Sand (CL)**; olive brown (2.5Y 4/4); wet; 60% clay, 20% silt, 20% fine grained sand; medium plasticity.		Portland Type I/II
				45				45.0	
30	5 11 12	S-21B 45.5			CH		**CLAY (CH)**; dark greenish gray (GLEY1 4/10Y); moist; 70% clay, 20% silt, 10% sand; high plasticity.	46.5	Bottom of Boring @ 46.5 fbg

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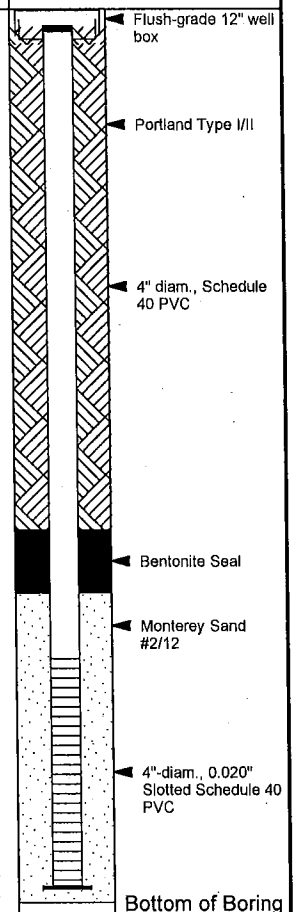
BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	S-22A
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	24-Sep-08
LOCATION	461 8th Street, Oakland, California	**DRILLING COMPLETED**	25-Sep-08
PROJECT NUMBER	241501-009	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling, C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	10"	**SCREENED INTERVALS**	20 to 27 fbg
LOGGED BY	S. Phillips	**DEPTH TO WATER (First Encountered)**	25.0 fbg (25-Sep-08) ▽
REVIEWED BY	T. Sparrowe	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Air knifed to 5'.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
							ASPHALT	0.5
					GW		**GRAVEL with Sand (GW)**; brown (7.5YR 4/3); dry; 30% coarse sand, 70% gravel. (FILL)	
43.1	3 4 4	S-22A 5.5		5	SM		**Silty SAND with Gravel (SM)**; dark yellowish brown (10YR 4/6); dry; 20% silt, 60% sand, 20% gravel. (FILL)	5.0
30	0 0 1	S-22A 10.5		10			**Silty SAND (SM)**; dark yellowish brown (10YR 4/6); moist; 20% silt, 70% sand, 10% gravel. (FILL)	10.0
42	2 2 3	S-22A 15.5		15	SM		@ 15' - dark brown (10YR 3/3).	
54.7	4 6 7	S-22A 20.5		20	SP		**SAND (SP)**; dark yellowish brown (10YR 4/6); 100% sand; fine grained, poorly graded.	20.0
71.5	5 9 12	S-22A 26.5		25			@ 25' - dark gray (10YR 4/1). ▽	27.0



WELL LOG (PID) I:\SHELL\6-CHARS\2415--\241501-OAKLAND 461 8TH\241501-PRE-OCT 2008\GINT\46810AKLAND.GPJ DEFAULT.GDT 11/18/08

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	S-22B
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	22-Sep-08
LOCATION	461 8th Street, Oakland, California	**DRILLING COMPLETED**	24-Sep-08
PROJECT NUMBER	241501-009	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling, C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	10"	**SCREENED INTERVALS**	30 to 39.9 fbg
LOGGED BY	S. Phillips	**DEPTH TO WATER (First Encountered)**	25.0 fbg (24-Sep-08) ▽
REVIEWED BY	T. Sparrowe	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Air knifed to 5'.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
				ASPHALT	0.5
			SM	**Silty SAND (SM)**; brown (7.5YR 4/3); dry; 10% clay, 20% silt, 70% gravel. (FILL)	
0.0	2 2 2	S-22B 5.5			5.0
			SW	**SAND with Gravel (SW)**; brown (7.5YR 4/3); dry; 70% sand, 30% gravel; fine to coase grained, well graded. (FILL)	
2.2	2 3 4	S-22B 10.5			
10	2 3 3	S-22B 15.5			
					20.0
70	5 6 6	S-22B 20.5		**SAND (SP)**; olive brown (2.5Y 4/3); moist; 100% sand; fine grained, poorly graded.	
736	7 14 16	S-22B 25.5	SP		
134	24 30 37	S-22B 30.5		@ 30' - olive brown (2.5Y 4/4); wet.	
					35.0
203	7 11 16	S-22B 35.5	ML	**Sandy SILT (ML)**; olive brown (2.5Y 4/4); wet; 60% silt, 40% sand; low plasticity.	
					40.0

WELL DIAGRAM

- Flush-grade 12" well box
- Portland Type I/II
- 4" diam., Schedule 40 PVC
- Bentonite Seal
- Monterey Sand #2/12
- 4"-diam., 0.020" Slotted Schedule 40 PVC

WELL LOG (PID): I:\SHELL\6-CHARS\2415--\241501-OAKLAND 461 8TH\241501-PRE-OCT 2008\GINT\4681OAKLAND.GPJ DEFAULT.GDT 11/18/08

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	S-22B
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	22-Sep-08
LOCATION	461 8th Street, Oakland, California	**DRILLING COMPLETED**	24-Sep-08

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PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
150.9	8 9 12	S-22B 40.5			CL		**CLAY with Sand (CL)**; dark gray (2.5Y 4/1); moist; 60% clay, 20% silt, 20% sand; medium plasticity.		Portland Type I/II
				45				45.0	
5.1		S-22B 45.5			CH		**Sandy CLAY (CH)**; dark greenish gray (GLEY1 3/10Y); moist; 50% clay, 20% silt, 30% sand; high plasticity.	46.5	Bottom of Boring @ 46.5 fbg

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	S-23
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	24-Sep-08
LOCATION	461 8th Street, Oakland, California	**DRILLING COMPLETED**	25-Sep-08
PROJECT NUMBER	241501-009	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling, C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	10"	**SCREENED INTERVALS**	20 to 35 fbg
LOGGED BY	S. Phillips	**DEPTH TO WATER (First Encountered)**	25.0 fbg (25-Sep-08) ▽
REVIEWED BY	T. Sparrowe	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Air knifed to 5'.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
				0			**ASPHALT**	0.5
					GW		**GRAVEL with Sand (GW)**; dark brown (7.5YR 3/4); dry; 20% sand, 80% gravel.	
	3 4 4	S-23 5.5		5	GM		**Silty GRAVEL (GM)**; strong brown (7.5YR 4/6); dry; 30% silt, 10% sand, 50% gravel. (FILL)	5.0
	2 2 3	S-23 10.5		10	SM		**Silty SAND (SM)**; strong brown (7.5YR 4/6); dry; 20% silt, 80% sand.	10.0
	2 2 2	S-23 15.5		15				
	2 3 4	S-23 20.5		20	SP		**SAND (SP)**; dark yellowish brown (10YR 4/6); moist; 100% sand; fine grained, poorly graded.	20.0
	8 18 20	S-23 25.5		25			▽ @ 25' - very dark grayish brown (10YR 3/2).	
	18 27 35	S-23 30.5		30			@ 30' - greenish black (10Y 2.5/1); dark yellowish brown (10YR 4/6); wet.	
	5 12 16	S-23 34.5		35				35.5

WELL DIAGRAM

- Flush-grade 12" well box
- Portland Type I/II
- 4" diam., Schedule 40 PVC
- Bentonite Seal
- Monterey Sand #2/12
- 4"-diam., 0.020" Slotted Schedule 40 PVC

Bottom of Boring @ 35.5 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2415--\241501-OAKLAND 461 8TH\241501-PRE-OCT 2008\GINT\46810AKLAND.GPJ DEFAULT.GDT 11/18/08

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-28
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	26-Sep-08
LOCATION	461 8th Street, Oakland, California	**DRILLING COMPLETED**	26-Sep-08
PROJECT NUMBER	241501-009	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling, C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	8"	**SCREENED INTERVALS**	NA
LOGGED BY	S. Phillips	**DEPTH TO WATER (First Encountered)**	25.0 fbg (26-Sep-08) ▽
REVIEWED BY	T. Sparrowe	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Air knifed to 5'.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (fbg)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
					ASPHALT	0.5
					Silty SAND (SM); very dark brown (7.5YR 2.5/2); dry; 20% silt, 80% sand; fine grained, poorly graded.	
0.0	6, 7, 8	B28 5 .5	5		@ 5' - dark yellowish brown (10YR 4/6).	
0.6	8, 14, 15	B28 1 0.5	10	SM		
40.2	8, 10, 12	B28 1 5.5	15		@ 15' - moist; 10% clay, 20% silt, 70% sand.	
						20.0
20	10, 13, 16	B28 2 0.5	20		**SAND (SP)**; dark yellowish brown (10YR 4/4); moist; 100% sand; fine grained, poorly graded.	
360	13, 19, 22	B28 2 5.5	25		@ 25' - very dark grayish brown (10YR 3/2); wet. ▽	
				SP		
145	16, 18, 23	B28 3 0.5	30		@ 30' - dark brown (10YR 3/3).	
						35.0
70	9, 11, 12	B28 3 5.5	35	CL	**CLAY with Sand (CL)**; very dark grayish brown (10YR 3/2); dry; 60% clay, 20% silt, 20% sand; medium plasticity.	
			40			40.0

WELL DIAGRAM: Portland Type I/II

WELL LOG (PID) I:\SHELL\6-CHARS\2415--\241501-OAKLAND 461 8TH\241501-PRE-OCT 2008\GINT\4681OAKLAND.GPJ DEFAULT.GDT 11/18/08

Continued Next Page

Cambria Environmental Technology, Inc.
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Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-28
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	26-Sep-08
LOCATION	461 8th Street, Oakland, California	**DRILLING COMPLETED**	26-Sep-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
20	10 12 14	B28 4 0.5					**Sandy CLAY (CL)**; dark yellowish brown (10YR 4/6); moist; 50% clay, 20% silt, 30% sand; medium plasticity.		
				45				45.0	
10	9 10 12	B28 4 5.5			CH		**CLAY (CH)**; dark greenish gray (GLEY1 4/10Y); dry; 70% clay, 20% silt, 10% sand; high plasticity.	46.5	Bottom of Boring @ 46.5 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2415--\241501-OAKLAND 461 8TH\241501-PRE-OCT 2008\GINT\46810AKLAND.GPJ DEFAULT.GDT 11/18/08

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Telephone: 510-420-0700
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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-29
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	26-Sep-08
LOCATION	461 8th Street, Oakland, California	**DRILLING COMPLETED**	26-Sep-08
PROJECT NUMBER	241501-009	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling, C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	8"	**SCREENED INTERVALS**	NA
LOGGED BY	S. Phillips	**DEPTH TO WATER (First Encountered)**	25.0 fbg (26-Sep-08) ▽
REVIEWED BY	T. Sparrowe	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Air knifed to 5'.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	
0.0	7 13 16	B-29 5.5		5			**Silty SAND (SM)**; dark brown (7.5YR 3/4); dry; 20% silt, 80% sand.		
20.1	17 26 29	B-29 10.5		10	SM		@ 5' - yellowish brown (10YR 5/4).		
94.6	12 14 15	B-29 15.5		15			@ 15' - brown (7.5YR 4/4); 20% clay, 20% silt, 60% sand.		
150.3	7 13 16	B-29 20.5		20			**SAND (SP)**; dark grayish brown (10YR 4/2); moist; 100% sand; fine grained, poorly graded.	20.0	Portland Type I/II
323.2	13 19 22	B-29 25.5		25	SP		@ 25' - very dark grayish brown (10YR 3/2); wet. ▽		
101.6	12 14 16	B-29 30.5		30			@ 30' - brown (10YR 4/3).		
42	7 5 12	B-29 35.5		35	CL		**CLAY with Sand (CL)**; dark grayish brown (10YR 4/2); dry; 60% clay, 20% silt, 20% sand; medium plasticity.	35.0	
				40				40.0	

WELL LOG (PID) I:\SHELL\6-CHARS\2415--\241501-OAKLAND 461 8TH\241501-PRE-OCT 2008\GINT\46810AKLAND.GPJ DEFAULT.GDT 11/18/08

Continued Next Page

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BORING / WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	B-29
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	26-Sep-08
LOCATION	461 8th Street, Oakland, California	**DRILLING COMPLETED**	26-Sep-08

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
15	6 7 9	B-29 40.5			CL		@ 40' - 55% clay, 20% silt, 25% sand.		
				45				45.0	
0.0	7 9 11	B-29 45.5			CH		**CLAY (CH)** ; dark greenish gray (GLEY1 4/10Y); dry; 70% clay, 20% silt, 10% sand; high plasticity.	46.5	Bottom of Boring @ 46.5 fbg

WELL LOG (PID) I:\SHELL\6-CHARS\2415--\241501-OAKLAND 461 8TH\241501-PRE-OCT 2008\GINT\46810AKLAND.GPJ DEFAULT.GDT 11/18/08

APPENDIX D

WASTE DISPOSAL MANIFEST

WASTE MANAGEMENT

WEIGHMASTER-Altamont Landfill & RRF
10840 Altamont Pass Road
Livermore, CA, 94551
Ph: (925)455-7300

Original
Ticket# 820778

Customer Name Shell46118thSt72900 Shell 461 Carrier GEN Altamont Generic
Ticket Date 10/16/2008 Vehicle# up82819
Payment Type Credit Account Container
Manual Ticket#
Billing # 0387857 License#

Manifest waf
PO
Profile 106845CA (Class II Disposal^High VOCs^Shell 461 8th St^RIPR72900)
Generator 164-Shell46118thOakland Shell 461 8th St RIPR72900

	Time	Scale	Deputy Weighmaster	Inbound		
In	10/16/2008 13:45:27	Scale 3 I	J Schaeuffler		Gross	63300 lb
Out	10/16/2008 14:24:31	Scale1 Inb	J Schaeuffler		Tare	37020 lb
					Net	26280 lb
					Tons	13.14

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	C2 Disp SPW-Tons-W	100	13.14	Tons				Oakland
2	Shell Bulk-Trans p	100	13.14	Tons				Oakland

DRIVER: _____

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 Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Total Tax
Total Ticket

404WMCA

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
Manifest Doc. No.
2. Page 1 of 1

3. Generator's Name and Mailing Address
Equilon Enterprises LLC DBA
Shell Oil Products
4. Generator's Phone ( ) ATTN: Ken Dilker

5. Transporter 1 Company Name: Philip West Industrial
6. US EPA ID Number: CAR000177527
A. Transporter's Phone: 800 321-1030

7. Transporter 2 Company Name
8. US EPA ID Number
B. Transporter's Phone

9. Designated Facility Name and Site Address
ALTAMONT LANDFILL
10840 ALTAMONT PASS RD.
LIVERMORE, CA 94550

10. US EPA ID Number: CAD981382732
C. Facility's Phone: (925) 449-6349

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Soil / Non hazardous, Non Regulated	01	DT	18	Y
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
PROFILE # 106845CA
CUSTOMER NAME Shell

KIPR# 72900
4614 8th
Oakland

16. 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.

Printed/Typed Name: David Patrick on behalf of Shell
Signature: David Patrick
Month Day Year: 10 16 08

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: David Patrick
Signature: David Patrick
Month Day Year: 10 16 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of waste materials covered by this manifest except as noted in item 19.
Printed/Typed Name: SLAINE
Signature: Slaine
Month Day Year: 10 16 08

GENERATOR
TRANSPORTER
FACILITY

12-BLS-C5 Rev. 12/08

TRANSPORTER #1

APPENDIX E

CERTIFIED ANALYTICAL REPORTS

Calscience
Environmental
Laboratories, Inc.

October 07, 2008

Tom Sparrowe
Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Subject: **Calscience Work Order No.:** **08-09-2154**
Client Reference: **461 8th Street, Oakland, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 9/24/2008 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Calscience Environmental
Laboratories, Inc.
Jessie Kim
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	09/24/08
19449 Riverside Drive, Suite 230	Work Order No:	08-09-2154
Sonoma, CA 95476-6955	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	mg/kg
Project: 461 8th Street, Oakland, CA		Page 1 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20-5.5	08-09-2154-1-A	09/22/08 08:00	Solid	GC/MS LL	09/24/08	09/25/08 06:10	080924L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	0.50		1		Toluene	ND	0.0050		1	
Benzene	ND	0.0050		1		p/m-Xylene	ND	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	ND	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	103	70-130				1,4-Bromofluorobenzene-TPPH	101	70-130			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20-10.5	08-09-2154-2-A	09/22/08 08:05	Solid	GC/MS LL	09/24/08	09/25/08 06:35	080924L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	0.50		1		Toluene	ND	0.0050		1	
Benzene	ND	0.0050		1		p/m-Xylene	ND	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	ND	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	102	70-130				1,4-Bromofluorobenzene-TPPH	101	70-130			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20-15.5	08-09-2154-3-A	09/22/08 08:09	Solid	GC/MS LL	09/24/08	09/25/08 07:01	080924L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	0.50		1		Toluene	ND	0.0050		1	
Benzene	ND	0.0050		1		p/m-Xylene	ND	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	ND	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	103	70-130				1,4-Bromofluorobenzene-TPPH	101	70-130			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20-20.5	08-09-2154-4-A	09/22/08 08:13	Solid	GC/MS LL	09/24/08	09/25/08 07:26	080924L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	12	0.50		1	E	Toluene	0.018	0.0050		1	
Benzene	0.0088	0.0050		1		p/m-Xylene	0.43	0.0050		1	E
Ethylbenzene	0.15	0.0050		1		o-Xylene	0.15	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	99	70-130				1,4-Bromofluorobenzene-TPPH	102	70-130			

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	09/24/08
19449 Riverside Drive, Suite 230		Work Order No:	08-09-2154
Sonoma, CA 95476-6955		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	mg/kg
Project: 461 8th Street, Oakland, CA			Page 2 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20-20.5	08-09-2154-4-A	09/22/08 08:13	Solid	GC/MS LL	09/25/08	09/26/08 03:51	080925L03

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	28	50	12	100	J	p/m-Xylene	0.51	0.50	0.032	100	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	97	70-130				1,4-Bromofluorobenzene-TPPH	95	70-130			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20-25.5	08-09-2154-5-A	09/22/08 08:20	Solid	GC/MS LL	09/30/08	09/30/08 19:23	080930L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	0.58	0.50		1		Toluene	0.023	0.0050		1	
Benzene	0.012	0.0050		1		p/m-Xylene	0.053	0.0050		1	
Ethylbenzene	0.015	0.0050		1		o-Xylene	0.020	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	104	70-130				1,4-Bromofluorobenzene-TPPH	105	70-130			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20-30.5	08-09-2154-6-A	09/22/08 08:29	Solid	GC/MS LL	09/25/08	09/26/08 04:42	080925L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	58	50		100		Toluene	ND	0.50		100	
Benzene	ND	0.50		100		p/m-Xylene	1.4	0.50		100	
Ethylbenzene	ND	0.50		100		o-Xylene	ND	0.50		100	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	95	70-130				1,4-Bromofluorobenzene-TPPH	92	70-130			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20-35.5	08-09-2154-7-A	09/22/08 08:45	Solid	GC/MS LL	09/30/08	09/30/08 19:50	080930L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	0.50		1		Toluene	ND	0.0050		1	
Benzene	ND	0.0050		1		p/m-Xylene	ND	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	ND	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	101	70-130				1,4-Bromofluorobenzene-TPPH	102	70-130			

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	09/24/08
19449 Riverside Drive, Suite 230	Work Order No:	08-09-2154
Sonoma, CA 95476-6955	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	mg/kg
Project: 461 8th Street, Oakland, CA		Page 3 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20-40.5	08-09-2154-8-A	09/22/08 08:50	Solid	GC/MS LL	09/25/08	09/25/08 16:05	080925L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	0.50		1		Toluene	ND	0.0050		1	
Benzene	ND	0.0050		1		p/m-Xylene	ND	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	ND	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	106	70-130				1,4-Bromofluorobenzene-TPPH	104	70-130			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20-45.5	08-09-2154-9-A	09/22/08 09:00	Solid	GC/MS LL	09/25/08	09/25/08 16:31	080925L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	0.50		1		Toluene	0.0067	0.0050		1	
Benzene	ND	0.0050		1		p/m-Xylene	0.012	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	ND	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	106	70-130				1,4-Bromofluorobenzene-TPPH	104	70-130			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-19-5.5	08-09-2154-10-A	09/22/08 09:35	Solid	GC/MS LL	09/25/08	09/25/08 14:50	080925L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	0.50		1		Toluene	ND	0.0050		1	
Benzene	ND	0.0050		1		p/m-Xylene	ND	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	ND	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	103	70-130				1,4-Bromofluorobenzene-TPPH	101	70-130			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-19-10.5	08-09-2154-11-A	09/22/08 09:37	Solid	GC/MS LL	09/25/08	09/25/08 16:56	080925L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	0.50		1		Toluene	ND	0.0050		1	
Benzene	ND	0.0050		1		p/m-Xylene	ND	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	ND	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	104	70-130				1,4-Bromofluorobenzene-TPPH	102	70-130			

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	09/24/08
19449 Riverside Drive, Suite 230	Work Order No:	08-09-2154
Sonoma, CA 95476-6955	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	mg/kg
Project: 461 8th Street, Oakland, CA		Page 4 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-19-15.5	08-09-2154-12-A	09/22/08 09:46	Solid	GC/MS LL	09/25/08	09/25/08 17:21	080925L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	0.50		1		Toluene	ND	0.0050		1	
Benzene	ND	0.0050		1		p/m-Xylene	ND	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	ND	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	105	70-130				1,4-Bromofluorobenzene-TPPH	103	70-130			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-19-20.5	08-09-2154-13-A	09/22/08 09:57	Solid	GC/MS LL	09/30/08	09/30/08 20:16	080930L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	0.50		1		Toluene	ND	0.0050		1	
Benzene	0.019	0.0050		1		p/m-Xylene	0.0064	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	ND	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	104	70-130				1,4-Bromofluorobenzene-TPPH	105	70-130			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-19-25.5	08-09-2154-14-A	09/22/08 10:00	Solid	GC/MS LL	09/25/08	09/25/08 17:46	080925L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	0.50		1		Toluene	0.028	0.0050		1	
Benzene	0.0086	0.0050		1		p/m-Xylene	0.051	0.0050		1	
Ethylbenzene	0.014	0.0050		1		o-Xylene	0.022	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	105	70-130				1,4-Bromofluorobenzene-TPPH	103	70-130			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-19-30.5	08-09-2154-15-A	09/22/08 10:03	Solid	GC/MS LL	09/25/08	09/25/08 18:12	080925L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	0.50		1		Toluene	ND	0.0050		1	
Benzene	ND	0.0050		1		p/m-Xylene	ND	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	ND	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	103	70-130				1,4-Bromofluorobenzene-TPPH	101	70-130			

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	09/24/08
19449 Riverside Drive, Suite 230		Work Order No:	08-09-2154
Sonoma, CA 95476-6955		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	mg/kg
Project: 461 8th Street, Oakland, CA			Page 5 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-19-35.5	08-09-2154-16-A	09/22/08 10:06	Solid	GC/MS LL	09/25/08	09/25/08 18:37	080925L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	0.50		1		Toluene	ND	0.0050		1	
Benzene	ND	0.0050		1		p/m-Xylene	0.0054	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	ND	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	105	70-130				1,4-Bromofluorobenzene-TPPH	103	70-130			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-19-40.5	08-09-2154-17-A	09/22/08 10:10	Solid	GC/MS LL	09/25/08	09/25/08 19:02	080925L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	0.50		1		Toluene	ND	0.0050		1	
Benzene	ND	0.0050		1		p/m-Xylene	ND	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	ND	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	104	70-130				1,4-Bromofluorobenzene-TPPH	102	70-130			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-19-45.5	08-09-2154-18-A	09/22/08 11:00	Solid	GC/MS LL	09/25/08	09/25/08 19:27	080925L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	0.50		1		Toluene	ND	0.0050		1	
Benzene	ND	0.0050		1		p/m-Xylene	ND	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	ND	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	104	70-130				1,4-Bromofluorobenzene-TPPH	102	70-130			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22B-5.5	08-09-2154-19-A	09/22/08 15:00	Solid	GC/MS LL	09/25/08	09/25/08 19:53	080925L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	0.50		1		Toluene	ND	0.0050		1	
Benzene	ND	0.0050		1		p/m-Xylene	ND	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	ND	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	104	70-130				1,4-Bromofluorobenzene-TPPH	102	70-130			

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	09/24/08
19449 Riverside Drive, Suite 230	Work Order No:	08-09-2154
Sonoma, CA 95476-6955	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	mg/kg
Project: 461 8th Street, Oakland, CA		Page 6 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22B-10.5	08-09-2154-20-A	09/22/08 15:01	Solid	GC/MS LL	09/25/08	09/25/08 20:18	080925L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	0.50		1		Toluene	ND	0.0050		1	
Benzene	ND	0.0050		1		p/m-Xylene	ND	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	ND	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	105	70-130				1,4-Bromofluorobenzene-TPPH	103	70-130			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22B-15.5	08-09-2154-21-A	09/22/08 15:05	Solid	GC/MS LL	09/30/08	09/30/08 20:43	080930L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	1.9	0.50		1		Toluene	ND	0.0050		1	
Benzene	ND	0.0050		1		p/m-Xylene	ND	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	ND	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	110	70-130				1,4-Bromofluorobenzene-TPPH	111	70-130			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22B-20.5	08-09-2154-22-A	09/22/08 15:06	Solid	GC/MS LL	09/30/08	09/30/08 16:43	080930L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	0.50		1		Toluene	ND	0.0050		1	
Benzene	ND	0.0050		1		p/m-Xylene	ND	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	ND	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	100	70-130				1,4-Bromofluorobenzene-TPPH	102	70-130			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22B-25.5	08-09-2154-23-A	09/22/08 15:12	Solid	GC/MS LL	09/25/08	09/26/08 07:13	080925L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	1200	50		100	E	Toluene	13	0.50		100	
Benzene	2.6	0.50		100		p/m-Xylene	61	0.50		100	E
Ethylbenzene	17	0.50		100		o-Xylene	20	0.50		100	E
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	96	70-130				1,4-Bromofluorobenzene-TPPH	95	70-130			

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: 09/24/08
Work Order No: 08-09-2154
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

Project: 461 8th Street, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22B-25.5	08-09-2154-23-A	09/22/08 15:12	Solid	GC/MS LL	09/25/08	09/26/08 07:38	080925L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	1200	250		500		p/m-Xylene	61	2.5		500	
o-Xylene	20	2.5		500							
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	102	70-130				1,4-Bromofluorobenzene-TPPH	99	70-130			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22B-30.5	08-09-2154-24-A	09/22/08 15:16	Solid	GC/MS LL	09/25/08	09/25/08 20:43	080925L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	0.50		1		Toluene	ND	0.0050		1	
Benzene	ND	0.0050		1		p/m-Xylene	0.0063	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	ND	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	100	70-130				1,4-Bromofluorobenzene-TPPH	99	70-130			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22B-35.5	08-09-2154-25-A	09/22/08 15:35	Solid	GC/MS LL	09/25/08	09/26/08 06:47	080925L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	56	50		100		Toluene	0.83	0.50		100	
Benzene	ND	0.50		100		p/m-Xylene	2.8	0.50		100	
Ethylbenzene	0.69	0.50		100		o-Xylene	0.94	0.50		100	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	96	70-130				1,4-Bromofluorobenzene-TPPH	93	70-130			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22B-40.5	08-09-2154-26-A	09/22/08 15:38	Solid	GC/MS UU	09/26/08	09/26/08 17:43	080926L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	12	0.50		1	E	Toluene	ND	0.0050		1	
Benzene	0.012	0.0050		1		p/m-Xylene	0.014	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	0.33	0.0050		1	E
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	113	70-130				1,4-Bromofluorobenzene-TPPH	111	70-130			

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received: 09/24/08
19449 Riverside Drive, Suite 230	Work Order No: 08-09-2154
Sonoma, CA 95476-6955	Preparation: EPA 5030B
	Method: LUFT GC/MS / EPA 8260B
	Units: mg/kg
Project: 461 8th Street, Oakland, CA	Page 8 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22B-40.5	08-09-2154-26-A	09/22/08 15:38	Solid	GC/MS UU	09/25/08	09/25/08 19:33	080925L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	14	50	12	100	J	o-Xylene	0.28	0.50	0.020	100	J
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	102	70-130				1,4-Bromofluorobenzene-TPPH	105	70-130			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22B-45.5	08-09-2154-27-A	09/22/08 15:47	Solid	GC/MS UU	09/25/08	09/25/08 21:07	080925L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	0.50		1		Toluene	ND	0.0050		1	
Benzene	ND	0.0050		1		p/m-Xylene	0.0079	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	ND	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	105	70-130				1,4-Bromofluorobenzene-TPPH	105	70-130			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21B-5.5	08-09-2154-28-A	09/23/08 07:45	Solid	GC/MS UU	09/26/08	09/26/08 15:46	080926L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	0.50		1		Toluene	ND	0.0050		1	
Benzene	ND	0.0050		1		p/m-Xylene	ND	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	ND	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	97	70-130				1,4-Bromofluorobenzene-TPPH	100	70-130			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21B-15.5	08-09-2154-29-A	09/23/08 07:55	Solid	GC/MS UU	09/25/08	09/25/08 20:43	080925L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	1.9	0.50		1		Toluene	0.11	0.0050		1	
Benzene	0.028	0.0050		1		p/m-Xylene	0.23	0.0050		1	
Ethylbenzene	0.030	0.0050		1		o-Xylene	0.15	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	109	70-130				1,4-Bromofluorobenzene-TPPH	113	70-130			

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: 09/24/08
Work Order No: 08-09-2154
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

Project: 461 8th Street, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21B-20.5	08-09-2154-30-A	09/23/08 08:00	Solid	GC/MS UU	09/25/08	09/25/08 19:57	080925L02

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	2300	500		1000		Toluene	88	5.0		1000	
Benzene	ND	5.0		1000		p/m-Xylene	260	5.0		1000	
Ethylbenzene	52	5.0		1000		o-Xylene	96	5.0		1000	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	107	70-130				1,4-Bromofluorobenzene-TPPH	108	70-130			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21B-25.5	08-09-2154-31-A	09/23/08 08:03	Solid	GC/MS UU	09/26/08	09/26/08 18:06	080926L02

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	7100	1000		2000		Toluene	250	10		2000	
Benzene	37	10		2000		p/m-Xylene	560	10		2000	
Ethylbenzene	130	10		2000		o-Xylene	200	10		2000	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	108	70-130				1,4-Bromofluorobenzene-TPPH	108	70-130			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21B-30.5	08-09-2154-32-A	09/23/08 08:08	Solid	GC/MS UU	09/26/08	09/26/08 16:09	080926L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	0.51	0.50		1		Toluene	ND	0.0050		1	
Benzene	ND	0.0050		1		p/m-Xylene	ND	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	0.028	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	105	70-130				1,4-Bromofluorobenzene-TPPH	108	70-130			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21B-35.5	08-09-2154-33-A	09/23/08 08:17	Solid	GC/MS UU	09/26/08	09/26/08 16:33	080926L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	0.50		1		Toluene	ND	0.0050		1	
Benzene	ND	0.0050		1		p/m-Xylene	ND	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	ND	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	101	70-130				1,4-Bromofluorobenzene-TPPH	103	70-130			

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received: 09/24/08
19449 Riverside Drive, Suite 230	Work Order No: 08-09-2154
Sonoma, CA 95476-6955	Preparation: EPA 5030B
	Method: LUFT GC/MS / EPA 8260B
	Units: mg/kg
Project: 461 8th Street, Oakland, CA	Page 10 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21B-40.5	**08-09-2154-34-A**	**09/23/08 08:24**	**Solid**	**GC/MS UU**	**09/26/08**	**09/26/08 16:56**	**080926L01**

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	0.50		1		Toluene	0.012	0.0050		1	
Benzene	ND	0.0050		1		p/m-Xylene	0.018	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	0.0096	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	101	70-130				1,4-Bromofluorobenzene-TPPH	104	70-130			

S-21B-45.5	**08-09-2154-35-A**	**09/23/08 08:33**	**Solid**	**GC/MS UU**	**09/26/08**	**09/26/08 17:19**	**080926L01**

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	0.50		1		Toluene	0.013	0.0050		1	
Benzene	ND	0.0050		1		p/m-Xylene	0.029	0.0050		1	
Ethylbenzene	0.0063	0.0050		1		o-Xylene	0.010	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	108	70-130				1,4-Bromofluorobenzene-TPPH	111	70-130			

Method Blank	**099-12-800-25**	**N/A**	**Solid**	**GC/MS LL**	**09/24/08**	**09/24/08 23:52**	**080924L01**

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	0.50		1		Toluene	ND	0.0050		1	
Benzene	ND	0.0050		1		p/m-Xylene	ND	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	ND	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	101	70-130				1,4-Bromofluorobenzene-TPPH	99	70-130			

Method Blank	**099-12-800-26**	**N/A**	**Solid**	**GC/MS LL**	**09/25/08**	**09/25/08 14:24**	**080925L01**

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	0.50		1		Toluene	ND	0.0050		1	
Benzene	ND	0.0050		1		p/m-Xylene	ND	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	ND	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	100	70-130				1,4-Bromofluorobenzene-TPPH	99	70-130			

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	09/24/08
19449 Riverside Drive, Suite 230		Work Order No:	08-09-2154
Sonoma, CA 95476-6955		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	mg/kg
Project: 461 8th Street, Oakland, CA			Page 11 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-800-27	N/A	Solid	GC/MS UU	09/25/08	09/25/08 12:54	080925L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	0.50		1		Toluene	ND	0.0050		1	
Benzene	ND	0.0050		1		p/m-Xylene	ND	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	ND	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	101	70-130				1,4-Bromofluorobenzene-TPPH	104	70-130			

Method Blank	099-12-800-29	N/A	Solid	GC/MS LL	09/25/08	09/26/08 01:45	080925L03

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	50	12	100		Toluene	ND	0.50	0.029	100	
Benzene	ND	0.50	0.020	100		p/m-Xylene	ND	0.50	0.032	100	
Ethylbenzene	ND	0.50	0.016	100		o-Xylene	ND	0.50	0.020	100	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	99	70-130				1,4-Bromofluorobenzene-TPPH	97	70-130			

Method Blank	099-12-800-30	N/A	Solid	GC/MS UU	09/25/08	09/25/08 13:18	080925L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	50	12	100		Toluene	0.034	0.50	0.029	100	J
Benzene	ND	0.50	0.020	100		p/m-Xylene	ND	0.50	0.032	100	
Ethylbenzene	ND	0.50	0.016	100		o-Xylene	ND	0.50	0.020	100	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	103	70-130				1,4-Bromofluorobenzene-TPPH	105	70-130			

Method Blank	099-12-800-31	N/A	Solid	GC/MS UU	09/26/08	09/26/08 12:38	080926L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	0.50		1		Toluene	ND	0.0050		1	
Benzene	ND	0.0050		1		p/m-Xylene	ND	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	ND	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	98	70-130				1,4-Bromofluorobenzene-TPPH	100	70-130			

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received: 09/24/08
19449 Riverside Drive, Suite 230	Work Order No: 08-09-2154
Sonoma, CA 95476-6955	Preparation: EPA 5030B
	Method: LUFT GC/MS / EPA 8260B
	Units: mg/kg
Project: 461 8th Street, Oakland, CA	Page 12 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-800-34**	**N/A**	**Solid**	**GC/MS UU**	**09/26/08**	**09/26/08 13:02**	**080926L02**

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	50		100		Toluene	ND	0.50		100	
Benzene	ND	0.50		100		p/m-Xylene	ND	0.50		100	
Ethylbenzene	ND	0.50		100		o-Xylene	ND	0.50		100	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	103	70-130				1,4-Bromofluorobenzene-TPPH	105	70-130			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-800-36**	**N/A**	**Solid**	**GC/MS LL**	**09/30/08**	**09/30/08 16:16**	**080930L01**

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
TPPH	ND	0.50		1		Toluene	ND	0.0050		1	
Benzene	ND	0.0050		1		p/m-Xylene	ND	0.0050		1	
Ethylbenzene	ND	0.0050		1		o-Xylene	ND	0.0050		1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
1,4-Bromofluorobenzene	100	70-130				1,4-Bromofluorobenzene-TPPH	101	70-130			

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: 09/24/08
Work Order No: 08-09-2154
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-09-1912-1	Solid	GC/MS LL	09/24/08	09/25/08	080924S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	93	99	70-130	6	0-30	
Ethylbenzene	97	91	70-130	6	0-30	
Toluene	96	95	70-130	1	0-30	
p/m-Xylene	98	87	70-130	12	0-30	
o-Xylene	98	91	70-130	8	0-30	
Methyl-t-Butyl Ether (MTBE)	96	103	70-130	7	0-30	
Tert-Butyl Alcohol (TBA)	89	106	70-130	18	0-30	
Diisopropyl Ether (DIPE)	97	105	70-130	8	0-30	
Ethyl-t-Butyl Ether (ETBE)	83	92	70-130	11	0-30	
Tert-Amyl-Methyl Ether (TAME)	88	97	70-130	9	0-30	
Ethanol	116	70	70-130	49	0-30	4

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: 09/24/08
Work Order No: 08-09-2154
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-19-5.5	Solid	GC/MS LL	09/25/08	09/25/08	080925S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	100	70-130	2	0-30	
Ethylbenzene	100	101	70-130	1	0-30	
Toluene	98	100	70-130	2	0-30	
p/m-Xylene	100	101	70-130	1	0-30	
o-Xylene	104	104	70-130	0	0-30	
Methyl-t-Butyl Ether (MTBE)	98	103	70-130	5	0-30	
Tert-Butyl Alcohol (TBA)	83	107	70-130	24	0-30	
Diisopropyl Ether (DIPE)	102	105	70-130	2	0-30	
Ethyl-t-Butyl Ether (ETBE)	86	95	70-130	9	0-30	
Tert-Amyl-Methyl Ether (TAME)	92	98	70-130	6	0-30	
Ethanol	109	116	70-130	5	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: 09/24/08
Work Order No: 08-09-2154
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-09-1904-7	Solid	GC/MS UU	09/25/08	09/25/08	080925S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	120	121	70-130	1	0-30	
Ethylbenzene	106	104	70-130	2	0-30	
Toluene	102	102	70-130	0	0-30	
p/m-Xylene	110	109	70-130	1	0-30	
o-Xylene	107	107	70-130	1	0-30	
Methyl-t-Butyl Ether (MTBE)	122	121	70-130	1	0-30	
Tert-Butyl Alcohol (TBA)	93	92	70-130	1	0-30	
Diisopropyl Ether (DIPE)	89	81	70-130	10	0-30	
Ethyl-t-Butyl Ether (ETBE)	90	90	70-130	0	0-30	
Tert-Amyl-Methyl Ether (TAME)	93	93	70-130	0	0-30	
Ethanol	82	81	70-130	0	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: 09/24/08
Work Order No: 08-09-2154
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-09-2151-5	Solid	GC/MS LL	09/25/08	09/26/08	080925S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	90	76	70-130	16	0-30	
Ethylbenzene	77	53	70-130	38	0-30	4,3
Toluene	84	66	70-130	23	0-30	3
p/m-Xylene	76	50	70-130	40	0-30	4,3
o-Xylene	78	54	70-130	36	0-30	4,3
Methyl-t-Butyl Ether (MTBE)	94	84	70-130	12	0-30	
Tert-Butyl Alcohol (TBA)	73	79	70-130	7	0-30	
Diisopropyl Ether (DIPE)	103	88	70-130	15	0-30	
Ethyl-t-Butyl Ether (ETBE)	85	75	70-130	11	0-30	
Tert-Amyl-Methyl Ether (TAME)	87	76	70-130	14	0-30	
Ethanol	79	71	70-130	11	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: 09/24/08
Work Order No: 08-09-2154
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-09-2278-1	Solid	GC/MS UU	09/26/08	09/26/08	080926S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	123	123	70-130	0	0-30	
Ethylbenzene	101	103	70-130	2	0-30	
Toluene	103	103	70-130	0	0-30	
p/m-Xylene	107	107	70-130	0	0-30	
o-Xylene	101	105	70-130	4	0-30	
Methyl-t-Butyl Ether (MTBE)	116	122	70-130	5	0-30	
Tert-Butyl Alcohol (TBA)	91	96	70-130	6	0-30	
Diisopropyl Ether (DIPE)	78	84	70-130	8	0-30	
Ethyl-t-Butyl Ether (ETBE)	86	95	70-130	9	0-30	
Tert-Amyl-Methyl Ether (TAME)	93	101	70-130	8	0-30	
Ethanol	83	87	70-130	5	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: 09/24/08
Work Order No: 08-09-2154
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-22B-20.5	Solid	GC/MS LL	09/30/08	09/30/08	080930S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	77	134	70-130	54	0-30	4,3
Ethylbenzene	71	79	70-130	11	0-30	
Toluene	66	85	70-130	26	0-30	3
p/m-Xylene	56	53	70-130	5	0-30	3
o-Xylene	84	84	70-130	0	0-30	
Methyl-t-Butyl Ether (MTBE)	90	90	70-130	0	0-30	
Tert-Butyl Alcohol (TBA)	72	84	70-130	14	0-30	
Diisopropyl Ether (DIPE)	94	92	70-130	2	0-30	
Ethyl-t-Butyl Ether (ETBE)	81	85	70-130	5	0-30	
Tert-Amyl-Methyl Ether (TAME)	86	88	70-130	3	0-30	
Ethanol	8	2	70-130	134	0-30	3,4

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: N/A
Work Order No: 08-09-2154
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-800-25	Solid	GC/MS LL	09/24/08	09/24/08	080924L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
TPPH	97	96	65-135	53-147	1	0-30	
Benzene	99	95	70-130	60-140	3	0-30	
Ethylbenzene	100	99	70-130	60-140	1	0-30	
Toluene	99	97	70-130	60-140	2	0-30	
p/m-Xylene	100	100	70-130	60-140	0	0-30	
o-Xylene	103	101	70-130	60-140	2	0-30	
Methyl-t-Butyl Ether (MTBE)	99	98	70-130	60-140	1	0-30	
Tert-Butyl Alcohol (TBA)	82	98	70-130	60-140	18	0-30	
Diisopropyl Ether (DIPE)	105	101	70-130	60-140	3	0-30	
Ethyl-t-Butyl Ether (ETBE)	87	89	70-130	60-140	2	0-30	
Tert-Amyl-Methyl Ether (TAME)	93	93	70-130	60-140	0	0-30	
Ethanol	95	99	70-130	60-140	4	0-30	

Total number of LCS compounds : 12
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
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: N/A
Work Order No: 08-09-2154
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-800-26	Solid	GC/MS LL	09/25/08	09/25/08	080925L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
TPPH	107	106	65-135	53-147	1	0-30	
Benzene	107	102	70-130	60-140	5	0-30	
Ethylbenzene	110	109	70-130	60-140	1	0-30	
Toluene	107	105	70-130	60-140	2	0-30	
p/m-Xylene	110	110	70-130	60-140	0	0-30	
o-Xylene	111	111	70-130	60-140	0	0-30	
Methyl-t-Butyl Ether (MTBE)	103	101	70-130	60-140	2	0-30	
Tert-Butyl Alcohol (TBA)	96	110	70-130	60-140	13	0-30	
Diisopropyl Ether (DIPE)	108	105	70-130	60-140	3	0-30	
Ethyl-t-Butyl Ether (ETBE)	95	97	70-130	60-140	1	0-30	
Tert-Amyl-Methyl Ether (TAME)	98	98	70-130	60-140	0	0-30	
Ethanol	112	121	70-130	60-140	8	0-30	

Total number of LCS compounds : 12
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
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: N/A
Work Order No: 08-09-2154
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-800-27	Solid	GC/MS UU	09/25/08	09/25/08	080925L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
TPPH	84	85	65-135	53-147	0	0-30	
Benzene	125	122	70-130	60-140	2	0-30	
Ethylbenzene	107	104	70-130	60-140	3	0-30	
Toluene	104	102	70-130	60-140	2	0-30	
p/m-Xylene	114	112	70-130	60-140	2	0-30	
o-Xylene	109	109	70-130	60-140	0	0-30	
Methyl-t-Butyl Ether (MTBE)	121	124	70-130	60-140	2	0-30	
Tert-Butyl Alcohol (TBA)	91	96	70-130	60-140	6	0-30	
Diisopropyl Ether (DIPE)	81	80	70-130	60-140	1	0-30	
Ethyl-t-Butyl Ether (ETBE)	86	86	70-130	60-140	0	0-30	
Tert-Amyl-Methyl Ether (TAME)	91	95	70-130	60-140	4	0-30	
Ethanol	85	104	70-130	60-140	20	0-30	

Total number of LCS compounds : 12
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
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: N/A
Work Order No: 08-09-2154
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-800-30	Solid	GC/MS UU	09/25/08	09/25/08	080925L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
TPPH	84	85	65-135	53-147	0	0-30	
Benzene	125	122	70-130	60-140	2	0-30	
Ethylbenzene	107	104	70-130	60-140	3	0-30	
Toluene	104	102	70-130	60-140	2	0-30	
p/m-Xylene	114	112	70-130	60-140	2	0-30	
o-Xylene	109	109	70-130	60-140	0	0-30	
Methyl-t-Butyl Ether (MTBE)	121	124	70-130	60-140	2	0-30	
Tert-Butyl Alcohol (TBA)	91	96	70-130	60-140	6	0-30	
Diisopropyl Ether (DIPE)	81	80	70-130	60-140	1	0-30	
Ethyl-t-Butyl Ether (ETBE)	86	86	70-130	60-140	0	0-30	
Tert-Amyl-Methyl Ether (TAME)	91	95	70-130	60-140	4	0-30	
Ethanol	85	104	70-130	60-140	20	0-30	

Total number of LCS compounds : 12
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
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: N/A
Work Order No: 08-09-2154
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-800-29	Solid	GC/MS LL	09/25/08	09/26/08	080925L03

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
TPPH	104	102	65-135	53-147	3	0-30	
Benzene	104	109	70-130	60-140	5	0-30	
Ethylbenzene	106	111	70-130	60-140	5	0-30	
Toluene	103	108	70-130	60-140	5	0-30	
p/m-Xylene	107	112	70-130	60-140	5	0-30	
o-Xylene	109	113	70-130	60-140	4	0-30	
Methyl-t-Butyl Ether (MTBE)	101	101	70-130	60-140	0	0-30	
Tert-Butyl Alcohol (TBA)	96	115	70-130	60-140	18	0-30	
Diisopropyl Ether (DIPE)	109	109	70-130	60-140	1	0-30	
Ethyl-t-Butyl Ether (ETBE)	93	96	70-130	60-140	3	0-30	
Tert-Amyl-Methyl Ether (TAME)	95	96	70-130	60-140	1	0-30	
Ethanol	115	124	70-130	60-140	8	0-30	

Total number of LCS compounds : 12
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
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: N/A
Work Order No: 08-09-2154
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-800-31	Solid	GC/MS UU	09/26/08	09/26/08	080926L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
TPPH	83	85	65-135	53-147	3	0-30	
Benzene	118	120	70-130	60-140	1	0-30	
Ethylbenzene	101	106	70-130	60-140	5	0-30	
Toluene	101	103	70-130	60-140	2	0-30	
p/m-Xylene	108	112	70-130	60-140	4	0-30	
o-Xylene	104	106	70-130	60-140	2	0-30	
Methyl-t-Butyl Ether (MTBE)	121	117	70-130	60-140	3	0-30	
Tert-Butyl Alcohol (TBA)	100	90	70-130	60-140	11	0-30	
Diisopropyl Ether (DIPE)	80	77	70-130	60-140	4	0-30	
Ethyl-t-Butyl Ether (ETBE)	89	86	70-130	60-140	4	0-30	
Tert-Amyl-Methyl Ether (TAME)	95	95	70-130	60-140	1	0-30	
Ethanol	94	87	70-130	60-140	8	0-30	

Total number of LCS compounds : 12
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
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: N/A
Work Order No: 08-09-2154
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-800-34	Solid	GC/MS UU	09/26/08	09/26/08	080926L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
TPPH	83	85	65-135	53-147	3	0-30	
Benzene	118	120	70-130	60-140	1	0-30	
Ethylbenzene	101	106	70-130	60-140	5	0-30	
Toluene	101	103	70-130	60-140	2	0-30	
p/m-Xylene	108	112	70-130	60-140	4	0-30	
o-Xylene	104	106	70-130	60-140	2	0-30	
Methyl-t-Butyl Ether (MTBE)	121	117	70-130	60-140	3	0-30	
Tert-Butyl Alcohol (TBA)	100	90	70-130	60-140	11	0-30	
Diisopropyl Ether (DIPE)	80	77	70-130	60-140	4	0-30	
Ethyl-t-Butyl Ether (ETBE)	89	86	70-130	60-140	4	0-30	
Tert-Amyl-Methyl Ether (TAME)	95	95	70-130	60-140	1	0-30	
Ethanol	94	87	70-130	60-140	8	0-30	

Total number of LCS compounds : 12
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
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: N/A
Work Order No: 08-09-2154
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-800-36	Solid	GC/MS LL	09/30/08	09/30/08	080930L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
TPPH	109	106	65-135	53-147	2	0-30	
Benzene	106	105	70-130	60-140	1	0-30	
Ethylbenzene	109	109	70-130	60-140	0	0-30	
Toluene	110	109	70-130	60-140	1	0-30	
p/m-Xylene	109	108	70-130	60-140	1	0-30	
o-Xylene	111	110	70-130	60-140	0	0-30	
Methyl-t-Butyl Ether (MTBE)	100	102	70-130	60-140	2	0-30	
Tert-Butyl Alcohol (TBA)	99	108	70-130	60-140	10	0-30	
Diisopropyl Ether (DIPE)	105	105	70-130	60-140	0	0-30	
Ethyl-t-Butyl Ether (ETBE)	94	98	70-130	60-140	4	0-30	
Tert-Amyl-Methyl Ether (TAME)	97	100	70-130	60-140	2	0-30	
Ethanol	110	108	70-130	60-140	2	0-30	

Total number of LCS compounds : 12
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: 08-09-2154

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

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: DENIS BROWN

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

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 9-23-08

PAGE: 1 of 4

PO # / SAP #

SAMPLING COMPANY: Conestoga-Rovers & Associates

LOG CODE: CRAW

SITE ADDRESS: Street and City: 461 8TH ST OAKLAND

State: CA

GLOBAL ID NO.: T0600101263

ADDRESS: 19449 Riverside Drive, Suite 230, Sonoma, California 95476

EDF DELIVERABLE TO (Name, Company, Office Location): Felicia Ballard, CRA, Sonoma

PHONE NO.: 707-935-4850

E-MAIL: sonomaedf@craworld.com

CONSULTANT PROJECT NO.: 240987-2008-6

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

TELEPHONE: 510-420-3316

FAX: 510-420-9170

E-MAIL: tsparrowe@craworld.com

SAMPLER NAME(S) (Print): SHERRY PHILLIPS

LAB USE ONLY: 09-2154

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

- ☐ LA - RWQCB REPORT FORMAT
- ☐ UST AGENCY:

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, 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)			TPHg (8015M)			Container PID Readings or Laboratory Notes
1	S-20-5.5	9/22	800	SO						1	X		X																	
2	S-20-10.5	9/22	805	SO							X		X																	
3	S-20-15.5	9/22	809	SO							X		X																	
4	S-20-20.5	9/22	813	SO							X		X																	
5	S-20-25.5	9/22	820	SO							X		X																	
6	S-20-30.5	9/22	824	SO							X		X																	
7	S-20-35.5	9/22	845	SO							X		X																	
8	S-20-40.5	9/22	850	SO							X		X																	
9	S-20-45.5	9/22	900	SO							X		X																	
				SO							X		X																	

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Sherry Phillips	CEL	9-23-08	1000
Tom O'Malley 70650 9/23/08 1730			
510413229		9/24/08	1015

05/2/06 Revision

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: DENIS BROWN

INCIDENT # (ENV SERVICES): 9 7 0 9 3 3 9 9 ☐ CHECK IF NO INCIDENT # APPLIES

DATE: 9-22-08

PAGE: 2 of 4

PO #:

SAP #:

SAMPLING COMPANY: Conestoga-Rovers & Associates

LOG CODE: CRAW

SITE ADDRESS: Street and City: 461 8TH ST OAKLAND

State: CA

GLOBAL ID NO.: T0600101263

ADDRESS: 19449 Riverside Drive, Suite 230, Sonoma, California 95476

EDF DELIVERABLE TO (Name, Company, Office Location): Felicia Ballard, CRA, Sonoma

PHONE NO.: 707-935-4850

E-MAIL: sonomaedf@craworld.com

CONSULTANT PROJECT NO.: 240987-2008-6

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

SAMPLER NAME(S) (Print): SHERRY PHILLIPS

LAB USE ONLY: 09-2154

TELEPHONE: 510-420-3316

FAX: 510-420-9170

E-MAIL: tsparrowe@craworld.com

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

- ☐ LA - RWQCB REPORT FORMAT
- ☐ UST AGENCY:

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, 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)			TPHg (8015M)				TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
10	S-19-5.5	9/22	936	SO						1	X		X																		
11	S-19-10.5	9-22	937	SO							X		X																		
12	S-19-15.5	9/22	946	SO							X		X																		
13	S-19-20.5	9/22	957	SO							X		X																		
14	S-19-25.5	9/22	1000	SO							X		X																		
15	S-19-30.5	9/22	1003	SO							X		X																		
16	S-19-35.5	9/22	1006	SO							X		X																		
17	S-19-40.5	9/22	1010	SO							X		X																		
18	S-19-45.5	9/22	1100	SO							X		X																		
				SO							X		X																		

Relinquished by: (Signature) Sherry Phillips — Date: 9/23/08 — Time: 1000

Received by: (Signature) CEL

Relinquished by: (Signature) Ian O'Malley TO GSO — Date: 9/23/08 — Time: 1730

Received by: (Signature)

Relinquished by: (Signature)

Received by: (Signature) — Date: 9/24/08 — Time: 1015

05/2/06 Revision

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: DENIS BROWN

INCIDENT # (ENV SERVICES): 9 7 0 9 3 3 9 9 ☐ CHECK IF NO INCIDENT # APPLIES

DATE: 9-22-08

PAGE: 3 of 4

PO #:

SAP #:

SAMPLING COMPANY: Conestoga-Rovers & Associates

LOG CODE: CRAW

SITE ADDRESS: Street and City: 461 8TH ST OAKLAND

State: CA

GLOBAL ID NO.: T0600101263

ADDRESS: 19449 Riverside Drive, Suite 230, Sonoma, California 95476

EDF DELIVERABLE TO (Name, Company, Office Location): Felicia Ballard, CRA, Sonoma

PHONE NO.: 707-935-4850

E-MAIL: sonomaedf@craworld.com

CONSULTANT PROJECT NO: 240987-2008-6

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

TELEPHONE: 510-420-3316

FAX: 510-420-9170

E-MAIL: tsparrowe@craworld.com

SAMPLER NAME(S) (Print): SHERRY PHILLIPS

LAB USE ONLY: 09-2154

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

- ☐ LA - RWQCB REPORT FORMAT
- ☐ UST AGENCY:

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING 2008 DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, 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)		TPHg (8015M)			TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
19	S-22B-5.5	9/22/08	1500	SO						1	X		X																
20	S-22B-10.5	9/22/08	1501	SO							X		X																
21	S-22B-15.5	9/22	1505	SO							X		X																
22	S-22B-20.5	9/22	1506	SO							X		X																
23	S-22B-25.5	9/22	1512	SO							X		X																
24	S-22B-30.5	9/22	1516	SO							X		X																
25	S-22B-35.5	9/22	1538	SO							X		X																
26	S-22B-40.5	9/22	1538	SO							X		X																
27	S-22B-45.5	9/22	1547	SO							X		X																
				SO							X		X																

Relinquished by: (Signature) Sherry Phillips — Date: 9-23-08 — Time: 1000

Received by: (Signature) CEL

Relinquished by: (Signature) Tom O'Malley 9/23/08 TO 650 1230

Received by: (Signature)

Received by: (Signature) — Date: 9/24/08 — Time: 1015

05/2/06 Revision

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: DENIS BROWN
PO #:
INCIDENT # (ENV SERVICES): 97093999
☐ CHECK IF NO INCIDENT # APPLIES
SAP #:
DATE: 9-23-08
PAGE: 4 of 4

SAMPLING COMPANY: Conestoga-Rovers & Associates
LOG CODE: CRAW
SITE ADDRESS: Street and City: 461 8TH ST OAKLAND
State: CA
GLOBAL ID NO.: T0600101263
ADDRESS: 19449 Riverside Drive, Suite 230, Sonoma, California 95476
EDF DELIVERABLE TO (Name, Company, Office Location): Felicia Ballard, CRA, Sonoma
PHONE NO.: 707-935-4850
E-MAIL: sonomaedf@craworld.com
CONSULTANT PROJECT NO.: 240987-2008-6
PROJECT CONTACT (Hardcopy or PDF Report to): Tom Sparrowe, PG
TELEPHONE: 510-420-3316
FAX: 510-420-9170
E-MAIL: tsparrowe@craworld.com
SAMPLER NAME(S) (Print): SHERRY PHILLIPS
LAB USE ONLY: 09-2154

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING 2008 DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, 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)		TPHg (8015M)			TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
28	S-21B - 5.5	9/23	0745	SO						1	X		X																
-	~~S-21B - 10.5~~		~~X~~	SO							X		X																
29	S-21B - 15.5	9/23	0750	SO							X		X																
30	S-21B - 20.5	9/23	0900	SO							X		X																
31	S-21B - 25.5	9/23	0903	SO							X		X																
32	S-21B - 30.5	9/23	0908	SO							X		X																
33	S-21B 35.5	9/23	0911	SO							X		X																
34	S-21B 40.5	9/23	0914	SO							X		X																
35	S-21B 45.5	9/23	0933	SO							X		X																
				SO							X		X																

Relinquished by: (Signature) Sherry Phillips 9/23/08
Relinquished by: (Signature) Tom O'Malley to 650/730
Relinquished by: (Signature)

Received by: (Signature) CEL
Received by: (Signature)
Received by: (Signature)

Date: 9-23-08 Time: 1000
Date: Time:
Date: 9/24/08 Time: 1015

05/2/05 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 08 - 09 - 2154

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: CRA DATE: 9/24/08

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature (For Air & Filter only).

___.___ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

2.6 °C Temperature blank.
___.___ °C IR thermometer.
_____ Ambient temperature (For Air & Filter only).

Initial: JP

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Present: ✓

Initial: JP

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: JP

COMMENTS:

Calscience
Environmental
Laboratories, Inc.

October 07, 2008

Tom Sparrowe
Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Subject: **Calscience Work Order No.:** **08-09-2436**
Client Reference: **461 8th Street, Oakland, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 9/26/2008 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Calscience Environmental
Laboratories, Inc.
Jessie Kim
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	09/26/08
19449 Riverside Drive, Suite 230		Work Order No:	08-09-2436
Sonoma, CA 95476-6955		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	mg/kg
Project: 461 8th Street, Oakland, CA			Page 1 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-14R-5.5	08-09-2436-1-A	09/23/08 14:10	Solid	GC/MS UU	10/01/08	10/01/08 14:49	081001L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	95	70-130			1,4-Bromofluorobenzene-TPPH	96	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-14R-10.5	08-09-2436-2-A	09/23/08 14:15	Solid	GC/MS UU	10/01/08	10/01/08 18:45	081001L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	96	70-130			1,4-Bromofluorobenzene-TPPH	96	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-14R-15.5	08-09-2436-3-A	09/23/08 14:20	Solid	GC/MS UU	10/01/08	10/01/08 19:08	081001L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	99	70-130			1,4-Bromofluorobenzene-TPPH	99	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-14R-20.5	08-09-2436-4-A	09/23/08 14:24	Solid	GC/MS UU	10/02/08	10/02/08 17:49	081002L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	99	50	100		Toluene	ND	0.50	100	
Benzene	ND	0.50	100		p/m-Xylene	2.2	0.50	100	
Ethylbenzene	0.66	0.50	100		o-Xylene	0.62	0.50	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	95	70-130			1,4-Bromofluorobenzene-TPPH	94	70-130		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	09/26/08
19449 Riverside Drive, Suite 230		Work Order No:	08-09-2436
Sonoma, CA 95476-6955		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	mg/kg
Project: 461 8th Street, Oakland, CA			Page 2 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-14R-25.5	**08-09-2436-5-A**	**09/23/08 14:31**	**Solid**	**GC/MS UU**	**10/02/08**	**10/02/08 16:39**	**081002L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	0.016	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	0.0065	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	96	70-130			1,4-Bromofluorobenzene-TPPH	96	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-14R-30.5	**08-09-2436-6-A**	**09/23/08 14:37**	**Solid**	**GC/MS UU**	**10/01/08**	**10/01/08 19:55**	**081001L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	98	70-130			1,4-Bromofluorobenzene-TPPH	98	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-14R-34.5	**08-09-2436-7-A**	**09/23/08 14:45**	**Solid**	**GC/MS UU**	**10/02/08**	**10/02/08 19:00**	**081002L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	56	50	100		Toluene	0.73	0.50	100	
Benzene	ND	0.50	100		p/m-Xylene	2.4	0.50	100	
Ethylbenzene	0.60	0.50	100		o-Xylene	0.82	0.50	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	97	70-130			1,4-Bromofluorobenzene-TPPH	96	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-23-5.5	**08-09-2436-8-A**	**09/24/08 14:55**	**Solid**	**GC/MS UU**	**10/02/08**	**10/02/08 16:15**	**081002L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	94	70-130			1,4-Bromofluorobenzene-TPPH	95	70-130		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	09/26/08
19449 Riverside Drive, Suite 230		Work Order No:	08-09-2436
Sonoma, CA 95476-6955		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	mg/kg
Project: 461 8th Street, Oakland, CA			Page 3 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-23-10.5	08-09-2436-9-A	09/24/08 15:01	Solid	GC/MS UU	10/01/08	10/01/08 20:19	081001L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	1.3	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	96	70-130			1,4-Bromofluorobenzene-TPPH	96	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-23-15.5	08-09-2436-10-A	09/24/08 15:07	Solid	GC/MS UU	10/01/08	10/01/08 20:42	081001L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	0.0078	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	0.0082	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	98	70-130			1,4-Bromofluorobenzene-TPPH	97	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-23-20.5	08-09-2436-11-A	09/24/08 15:13	Solid	GC/MS UU	10/01/08	10/01/08 17:34	081001L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	3700	1000	2000		Toluene	170	10	2000	
Benzene	17	2.5	500		p/m-Xylene	340	10	2000	
Ethylbenzene	86	2.5	500		o-Xylene	140	10	2000	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	100	70-130			1,4-Bromofluorobenzene-TPPH	95	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-23-25.5	08-09-2436-12-A	09/24/08 15:22	Solid	GC/MS UU	10/01/08	10/01/08 17:58	081001L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	1600	1000	2000		Toluene	15	1.0	200	
Benzene	1.5	1.0	200		p/m-Xylene	67	1.0	200	
Ethylbenzene	16	1.0	200		o-Xylene	20	1.0	200	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	99	70-130			1,4-Bromofluorobenzene-TPPH	96	70-130		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	09/26/08
19449 Riverside Drive, Suite 230		Work Order No:	08-09-2436
Sonoma, CA 95476-6955		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	mg/kg
Project: 461 8th Street, Oakland, CA			Page 4 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-23-30.5	**08-09-2436-13-A**	**09/24/08 15:34**	**Solid**	**GC/MS UU**	**10/01/08**	**10/01/08 21:06**	**081001L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	0.0072	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	98	70-130			1,4-Bromofluorobenzene-TPPH	98	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-23-34.5	**08-09-2436-14-A**	**09/24/08 15:45**	**Solid**	**GC/MS UU**	**10/03/08**	**10/03/08 14:57**	**081003L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	68	50	100		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	0.014	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	98	70-130			1,4-Bromofluorobenzene-TPPH	96	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22A-5.5	**08-09-2436-15-A**	**09/25/08 09:37**	**Solid**	**GC/MS UU**	**10/01/08**	**10/02/08 04:33**	**081001L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	98	70-130			1,4-Bromofluorobenzene-TPPH	98	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22A-10.5	**08-09-2436-16-A**	**09/25/08 09:42**	**Solid**	**GC/MS UU**	**10/01/08**	**10/02/08 04:56**	**081001L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	98	70-130			1,4-Bromofluorobenzene-TPPH	98	70-130		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received: 09/26/08
19449 Riverside Drive, Suite 230	Work Order No: 08-09-2436
Sonoma, CA 95476-6955	Preparation: EPA 5030B
	Method: LUFT GC/MS / EPA 8260B
	Units: mg/kg
Project: 461 8th Street, Oakland, CA	Page 5 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22A-15.5	08-09-2436-17-A	09/25/08 09:44	Solid	GC/MS UU	10/01/08	10/02/08 05:20	081001L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	3.5	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	0.013	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	97	70-130			1,4-Bromofluorobenzene-TPPH	95	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22A-20.5	08-09-2436-18-A	09/25/08 09:50	Solid	GC/MS UU	10/01/08	10/02/08 05:43	081001L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	98	70-130			1,4-Bromofluorobenzene-TPPH	98	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22A-26.5	08-09-2436-19-A	09/25/08 09:55	Solid	GC/MS UU	10/01/08	10/01/08 18:21	081001L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	3900	500	1000		Toluene	70	5.0	1000	
Benzene	11	5.0	1000		p/m-Xylene	230	5.0	1000	
Ethylbenzene	55	5.0	1000		o-Xylene	76	5.0	1000	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	98	70-130			1,4-Bromofluorobenzene-TPPH	97	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21A-5.5	08-09-2436-20-A	09/25/08 12:28	Solid	GC/MS UU	10/01/08	10/02/08 06:07	081001L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	93	70-130			1,4-Bromofluorobenzene-TPPH	93	70-130		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: 09/26/08
Work Order No: 08-09-2436
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

Project: 461 8th Street, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21A-10.5	**08-09-2436-21-A**	**09/25/08 12:30**	**Solid**	**GC/MS UU**	**10/01/08**	**10/02/08 02:12**	**081001L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	95	70-130			1,4-Bromofluorobenzene-TPPH	96	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21A-15.5	**08-09-2436-22-A**	**09/25/08 12:35**	**Solid**	**GC/MS LL**	**10/01/08**	**10/02/08 13:09**	**081001L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	0.024	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	0.017	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	101	70-130			1,4-Bromofluorobenzene-TPPH	102	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21A-20.5	**08-09-2436-23-A**	**09/25/08 12:40**	**Solid**	**GC/MS UU**	**10/01/08**	**10/02/08 03:22**	**081001L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	3000	500	1000		Toluene	140	5.0	1000	
Benzene	12	1.0	200		p/m-Xylene	270	5.0	1000	
Ethylbenzene	61	5.0	1000		o-Xylene	93	5.0	1000	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	95	70-130			1,4-Bromofluorobenzene-TPPH	93	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21A-26.5	**08-09-2436-24-A**	**09/25/08 12:45**	**Solid**	**GC/MS UU**	**10/01/08**	**10/02/08 03:46**	**081001L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	3500	500	1000		Toluene	29	1.0	200	
Benzene	4.8	1.0	200		p/m-Xylene	140	5.0	1000	
Ethylbenzene	38	1.0	200		o-Xylene	28	1.0	200	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	101	70-130			1,4-Bromofluorobenzene-TPPH	94	70-130		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	09/26/08
19449 Riverside Drive, Suite 230	Work Order No:	08-09-2436
Sonoma, CA 95476-6955	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	mg/kg
Project: 461 8th Street, Oakland, CA		Page 7 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-800-38	N/A	Solid	GC/MS UU	10/01/08	10/01/08 14:02	081001L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	96	70-130			1,4-Bromofluorobenzene-TPPH	96	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-800-39	N/A	Solid	GC/MS UU	10/01/08	10/01/08 14:26	081001L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	50	100		Toluene	ND	0.50	100	
Benzene	ND	0.50	100		p/m-Xylene	ND	0.50	100	
Ethylbenzene	ND	0.50	100		o-Xylene	ND	0.50	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	93	70-130			1,4-Bromofluorobenzene-TPPH	93	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-800-41	N/A	Solid	GC/MS LL	10/01/08	10/02/08 08:46	081001L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	98	70-130			1,4-Bromofluorobenzene-TPPH	100	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-800-42	N/A	Solid	GC/MS LL	10/01/08	10/02/08 08:19	081001L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	50	100		Toluene	ND	0.50	100	
Benzene	ND	0.50	100		p/m-Xylene	ND	0.50	100	
Ethylbenzene	ND	0.50	100		o-Xylene	ND	0.50	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	99	70-130			1,4-Bromofluorobenzene-TPPH	101	70-130		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	09/26/08
19449 Riverside Drive, Suite 230		Work Order No:	08-09-2436
Sonoma, CA 95476-6955		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	mg/kg
Project: 461 8th Street, Oakland, CA			Page 8 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-800-43	N/A	Solid	GC/MS UU	10/01/08	10/02/08 01:24	081001L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	96	70-130			1,4-Bromofluorobenzene-TPPH	96	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-800-44	N/A	Solid	GC/MS UU	10/01/08	10/02/08 01:48	081001L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	50	100		Toluene	ND	0.50	100	
Benzene	ND	0.50	100		p/m-Xylene	ND	0.50	100	
Ethylbenzene	ND	0.50	100		o-Xylene	ND	0.50	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	93	70-130			1,4-Bromofluorobenzene-TPPH	93	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-800-45	N/A	Solid	GC/MS UU	10/02/08	10/02/08 12:44	081002L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	97	70-130			1,4-Bromofluorobenzene-TPPH	97	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-800-46	N/A	Solid	GC/MS UU	10/02/08	10/02/08 13:07	081002L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	50	100		Toluene	ND	0.50	100	
Benzene	ND	0.50	100		p/m-Xylene	ND	0.50	100	
Ethylbenzene	ND	0.50	100		o-Xylene	ND	0.50	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	93	70-130			1,4-Bromofluorobenzene-TPPH	93	70-130		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	09/26/08
19449 Riverside Drive, Suite 230		Work Order No:	08-09-2436
Sonoma, CA 95476-6955		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	mg/kg

Project: 461 8th Street, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-800-48**	**N/A**	**Solid**	**GC/MS UU**	**10/03/08**	**10/03/08 12:59**	**081003L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	95	70-130			1,4-Bromofluorobenzene-TPPH	95	70-130		

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received:	09/26/08
Work Order No:	08-09-2436
Preparation:	EPA 5030B
Method:	LUFT GC/MS / EPA 8260B

Project 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-14R-5.5	Solid	GC/MS UU	10/01/08	10/01/08	081001S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	96	70-130	2	0-30	
Ethylbenzene	96	96	70-130	1	0-30	
Toluene	90	91	70-130	0	0-30	
p/m-Xylene	90	88	70-130	2	0-30	
o-Xylene	95	95	70-130	0	0-30	
Methyl-t-Butyl Ether (MTBE)	90	96	70-130	6	0-30	
Tert-Butyl Alcohol (TBA)	76	86	70-130	12	0-30	
Diisopropyl Ether (DIPE)	89	96	70-130	7	0-30	
Ethyl-t-Butyl Ether (ETBE)	83	92	70-130	10	0-30	
Tert-Amyl-Methyl Ether (TAME)	83	94	70-130	12	0-30	
Ethanol	73	79	70-130	7	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: 09/26/08
Work Order No: 08-09-2436
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-21A-15.5	Solid	GC/MS LL	10/01/08	10/02/08	081001S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	88	90	70-130	3	0-30	
Ethylbenzene	90	90	70-130	1	0-30	
Toluene	98	99	70-130	1	0-30	
p/m-Xylene	111	109	70-130	1	0-30	
o-Xylene	122	123	70-130	1	0-30	
Methyl-t-Butyl Ether (MTBE)	92	98	70-130	6	0-30	
Tert-Butyl Alcohol (TBA)	67	86	70-130	25	0-30	3
Diisopropyl Ether (DIPE)	87	91	70-130	5	0-30	
Ethyl-t-Butyl Ether (ETBE)	76	87	70-130	13	0-30	
Tert-Amyl-Methyl Ether (TAME)	82	93	70-130	13	0-30	
Ethanol	85	87	70-130	3	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: 09/26/08
Work Order No: 08-09-2436
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-21A-10.5	Solid	GC/MS UU	10/01/08	10/02/08	081001S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	46	39	70-130	15	0-30	3
Ethylbenzene	44	18	70-130	86	0-30	3,4
Toluene	44	38	70-130	15	0-30	3
p/m-Xylene	19	11	70-130	50	0-30	3,4
o-Xylene	76	72	70-130	5	0-30	
Methyl-t-Butyl Ether (MTBE)	101	92	70-130	9	0-30	
Tert-Butyl Alcohol (TBA)	93	80	70-130	15	0-30	
Diisopropyl Ether (DIPE)	103	97	70-130	6	0-30	
Ethyl-t-Butyl Ether (ETBE)	92	91	70-130	1	0-30	
Tert-Amyl-Methyl Ether (TAME)	84	84	70-130	0	0-30	
Ethanol	40	36	70-130	10	0-30	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received:	09/26/08
Work Order No:	08-09-2436
Preparation:	EPA 5030B
Method:	LUFT GC/MS / EPA 8260B

Project 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-09-2589-19	Solid	GC/MS UU	10/02/08	10/02/08	081002S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	93	70-130	7	0-30	
Ethylbenzene	96	104	70-130	8	0-30	
Toluene	93	98	70-130	5	0-30	
p/m-Xylene	95	103	70-130	8	0-30	
o-Xylene	93	99	70-130	6	0-30	
Methyl-t-Butyl Ether (MTBE)	91	93	70-130	2	0-30	
Tert-Butyl Alcohol (TBA)	80	82	70-130	3	0-30	
Diisopropyl Ether (DIPE)	92	93	70-130	0	0-30	
Ethyl-t-Butyl Ether (ETBE)	88	86	70-130	3	0-30	
Tert-Amyl-Methyl Ether (TAME)	88	79	70-130	11	0-30	
Ethanol	84	110	70-130	26	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: 09/26/08
Work Order No: 08-09-2436
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-09-2591-2	Solid	GC/MS UU	10/03/08	10/03/08	081003S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	105	99	70-130	6	0-30	
Ethylbenzene	100	97	70-130	3	0-30	
Toluene	96	93	70-130	3	0-30	
p/m-Xylene	100	97	70-130	3	0-30	
o-Xylene	97	95	70-130	2	0-30	
Methyl-t-Butyl Ether (MTBE)	97	95	70-130	2	0-30	
Tert-Butyl Alcohol (TBA)	80	72	70-130	11	0-30	
Diisopropyl Ether (DIPE)	98	101	70-130	4	0-30	
Ethyl-t-Butyl Ether (ETBE)	94	94	70-130	0	0-30	
Tert-Amyl-Methyl Ether (TAME)	92	87	70-130	6	0-30	
Ethanol	78	85	70-130	10	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: N/A
Work Order No: 08-09-2436
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-800-38	Solid	GC/MS UU	10/01/08	10/01/08	081001L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
TPPH	97	99	65-135	53-147	1	0-30	
Benzene	101	106	70-130	60-140	4	0-30	
Ethylbenzene	101	102	70-130	60-140	1	0-30	
Toluene	97	99	70-130	60-140	2	0-30	
p/m-Xylene	102	102	70-130	60-140	0	0-30	
o-Xylene	99	99	70-130	60-140	0	0-30	
Methyl-t-Butyl Ether (MTBE)	94	98	70-130	60-140	4	0-30	
Tert-Butyl Alcohol (TBA)	90	94	70-130	60-140	4	0-30	
Diisopropyl Ether (DIPE)	95	99	70-130	60-140	4	0-30	
Ethyl-t-Butyl Ether (ETBE)	93	96	70-130	60-140	3	0-30	
Tert-Amyl-Methyl Ether (TAME)	90	96	70-130	60-140	6	0-30	
Ethanol	82	90	70-130	60-140	9	0-30	

Total number of LCS compounds : 12
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
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: N/A
Work Order No: 08-09-2436
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-800-39	Solid	GC/MS UU	10/01/08	10/01/08	081001L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
TPPH	97	99	65-135	53-147	1	0-30	
Benzene	101	106	70-130	60-140	4	0-30	
Ethylbenzene	101	102	70-130	60-140	1	0-30	
Toluene	97	99	70-130	60-140	2	0-30	
p/m-Xylene	102	102	70-130	60-140	0	0-30	
o-Xylene	99	99	70-130	60-140	0	0-30	
Methyl-t-Butyl Ether (MTBE)	94	98	70-130	60-140	4	0-30	
Tert-Butyl Alcohol (TBA)	90	94	70-130	60-140	4	0-30	
Diisopropyl Ether (DIPE)	95	99	70-130	60-140	4	0-30	
Ethyl-t-Butyl Ether (ETBE)	93	96	70-130	60-140	3	0-30	
Tert-Amyl-Methyl Ether (TAME)	90	96	70-130	60-140	6	0-30	
Ethanol	82	90	70-130	60-140	9	0-30	

Total number of LCS compounds : 12
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
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: N/A
Work Order No: 08-09-2436
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-800-41	Solid	GC/MS LL	10/01/08	10/02/08	081001L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
TPPH	82	81	65-135	53-147	1	0-30	
Benzene	81	83	70-130	60-140	2	0-30	
Ethylbenzene	91	92	70-130	60-140	1	0-30	
Toluene	89	90	70-130	60-140	1	0-30	
p/m-Xylene	90	92	70-130	60-140	2	0-30	
o-Xylene	95	97	70-130	60-140	2	0-30	
Methyl-t-Butyl Ether (MTBE)	95	94	70-130	60-140	0	0-30	
Tert-Butyl Alcohol (TBA)	95	100	70-130	60-140	4	0-30	
Diisopropyl Ether (DIPE)	92	91	70-130	60-140	1	0-30	
Ethyl-t-Butyl Ether (ETBE)	91	92	70-130	60-140	1	0-30	
Tert-Amyl-Methyl Ether (TAME)	97	97	70-130	60-140	0	0-30	
Ethanol	87	88	70-130	60-140	1	0-30	

Total number of LCS compounds : 12
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
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: N/A
Work Order No: 08-09-2436
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-800-42	Solid	GC/MS LL	10/01/08	10/02/08	081001L03

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
TPPH	82	81	65-135	53-147	1	0-30	
Benzene	81	83	70-130	60-140	2	0-30	
Ethylbenzene	91	92	70-130	60-140	1	0-30	
Toluene	89	90	70-130	60-140	1	0-30	
p/m-Xylene	90	92	70-130	60-140	2	0-30	
o-Xylene	95	97	70-130	60-140	2	0-30	
Methyl-t-Butyl Ether (MTBE)	95	94	70-130	60-140	0	0-30	
Tert-Butyl Alcohol (TBA)	95	100	70-130	60-140	4	0-30	
Diisopropyl Ether (DIPE)	92	91	70-130	60-140	1	0-30	
Ethyl-t-Butyl Ether (ETBE)	91	92	70-130	60-140	1	0-30	
Tert-Amyl-Methyl Ether (TAME)	97	97	70-130	60-140	0	0-30	
Ethanol	87	88	70-130	60-140	1	0-30	

Total number of LCS compounds : 12
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: N/A
Work Order No: 08-09-2436
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-800-43	Solid	GC/MS UU	10/01/08	10/01/08	081001L03

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
TPPH	91	88	65-135	53-147	3	0-30	
Benzene	96	96	70-130	60-140	0	0-30	
Ethylbenzene	94	94	70-130	60-140	0	0-30	
Toluene	90	90	70-130	60-140	0	0-30	
p/m-Xylene	95	95	70-130	60-140	0	0-30	
o-Xylene	94	94	70-130	60-140	0	0-30	
Methyl-t-Butyl Ether (MTBE)	93	93	70-130	60-140	0	0-30	
Tert-Butyl Alcohol (TBA)	86	86	70-130	60-140	0	0-30	
Diisopropyl Ether (DIPE)	92	92	70-130	60-140	0	0-30	
Ethyl-t-Butyl Ether (ETBE)	92	92	70-130	60-140	0	0-30	
Tert-Amyl-Methyl Ether (TAME)	91	91	70-130	60-140	0	0-30	
Ethanol	85	79	70-130	60-140	7	0-30	

Total number of LCS compounds : 12
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
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: N/A
Work Order No: 08-09-2436
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-800-44	Solid	GC/MS UU	10/01/08	10/01/08	081001L04

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
TPPH	91	88	65-135	53-147	3	0-30	
Benzene	97	96	70-130	60-140	1	0-30	
Ethylbenzene	95	94	70-130	60-140	1	0-30	
Toluene	91	90	70-130	60-140	1	0-30	
p/m-Xylene	95	95	70-130	60-140	0	0-30	
o-Xylene	93	94	70-130	60-140	2	0-30	
Methyl-t-Butyl Ether (MTBE)	97	93	70-130	60-140	5	0-30	
Tert-Butyl Alcohol (TBA)	92	86	70-130	60-140	7	0-30	
Diisopropyl Ether (DIPE)	96	92	70-130	60-140	4	0-30	
Ethyl-t-Butyl Ether (ETBE)	95	92	70-130	60-140	4	0-30	
Tert-Amyl-Methyl Ether (TAME)	91	91	70-130	60-140	0	0-30	
Ethanol	108	85	70-130	60-140	25	0-30	

Total number of LCS compounds : 12
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
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: N/A
Work Order No: 08-09-2436
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-800-45	Solid	GC/MS UU	10/02/08	10/02/08	081002L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
TPPH	94	91	65-135	53-147	3	0-30	
Benzene	95	98	70-130	60-140	3	0-30	
Ethylbenzene	97	97	70-130	60-140	0	0-30	
Toluene	94	94	70-130	60-140	0	0-30	
p/m-Xylene	98	98	70-130	60-140	0	0-30	
o-Xylene	96	95	70-130	60-140	1	0-30	
Methyl-t-Butyl Ether (MTBE)	97	96	70-130	60-140	1	0-30	
Tert-Butyl Alcohol (TBA)	89	88	70-130	60-140	1	0-30	
Diisopropyl Ether (DIPE)	96	100	70-130	60-140	4	0-30	
Ethyl-t-Butyl Ether (ETBE)	93	100	70-130	60-140	7	0-30	
Tert-Amyl-Methyl Ether (TAME)	89	90	70-130	60-140	1	0-30	
Ethanol	86	105	70-130	60-140	19	0-30	

Total number of LCS compounds : 12
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: N/A
Work Order No: 08-09-2436
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-800-46	Solid	GC/MS UU	10/02/08	10/02/08	081002L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
TPPH	94	91	65-135	53-147	3	0-30	
Benzene	95	98	70-130	60-140	3	0-30	
Ethylbenzene	97	97	70-130	60-140	0	0-30	
Toluene	94	94	70-130	60-140	0	0-30	
p/m-Xylene	98	98	70-130	60-140	0	0-30	
o-Xylene	96	95	70-130	60-140	1	0-30	
Methyl-t-Butyl Ether (MTBE)	97	96	70-130	60-140	1	0-30	
Tert-Butyl Alcohol (TBA)	89	88	70-130	60-140	1	0-30	
Diisopropyl Ether (DIPE)	96	100	70-130	60-140	4	0-30	
Ethyl-t-Butyl Ether (ETBE)	93	100	70-130	60-140	7	0-30	
Tert-Amyl-Methyl Ether (TAME)	89	90	70-130	60-140	1	0-30	
Ethanol	86	105	70-130	60-140	19	0-30	

Total number of LCS compounds : 12
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
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: N/A
Work Order No: 08-09-2436
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-800-48	Solid	GC/MS UU	10/03/08	10/03/08	081003L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
TPPH	89	94	65-135	53-147	5	0-30	
Benzene	101	101	70-130	60-140	1	0-30	
Ethylbenzene	100	98	70-130	60-140	2	0-30	
Toluene	95	93	70-130	60-140	2	0-30	
p/m-Xylene	101	99	70-130	60-140	2	0-30	
o-Xylene	98	96	70-130	60-140	1	0-30	
Methyl-t-Butyl Ether (MTBE)	94	95	70-130	60-140	1	0-30	
Tert-Butyl Alcohol (TBA)	83	86	70-130	60-140	4	0-30	
Diisopropyl Ether (DIPE)	97	94	70-130	60-140	2	0-30	
Ethyl-t-Butyl Ether (ETBE)	93	91	70-130	60-140	2	0-30	
Tert-Amyl-Methyl Ether (TAME)	88	90	70-130	60-140	2	0-30	
Ethanol	100	81	70-130	60-140	20	0-30	

Total number of LCS compounds : 12
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: 08-09-2436

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

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: DENIS BROWN

INCIDENT # (ENV SERVICES): 97093399

- [ ] CHECK IF NO INCIDENT # APPLIES

PO #:

SAP #:

DATE: _____

PAGE: 1 of 4

SAMPLING COMPANY: Conestoga-Rovers & Associates

LOG CODE: CRAW

SITE ADDRESS: Street and City: 461 8TH ST OAKLAND

State: CA

GLOBAL ID NO.: T0600101263

ADDRESS: 19449 Riverside Drive, Suite 230, Sonoma, California 95476

EDF DELIVERABLE TO (Name, Company, Office Location): Felicia Ballard, CRA, Sonoma

PHONE NO.: 707-935-4850

E-MAIL: sonomaedf@craworld.com

CONSULTANT PROJECT NO.: 240987-2008-6

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

SAMPLER NAME(S) (Print): SHERRY PHILLIPS

LAB USE ONLY: 09- 2436

TELEPHONE: 510-420-3316

FAX: 510-420-9170

E-MAIL: tsparrowe@craworld.com

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

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

SPECIAL INSTRUCTIONS OR NOTES :
- [x] SHELL CONTRACT RATE APPLIES
- [ ] STATE REIMBURSEMENT RATE APPLIES
- [ ] EDD NOT NEEDED
- [x] RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, 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)			TPHg (8015M)			TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
1	S-14R-5.5	9-23	1410	SO						1	X		X																	
2	S-14R 10.5	9-23	1415	SO							X		X																	
3	S-14R 15.5	9-23	1420	SO							X		X																	
4	S-14R 20.5	9-23	1424	SO							X		X																	
5	S-14R 25.5	9-23	1431	SO							X		X																	
6	S-14R 30.5	9-23	1437	SO							X		X																	
7	S-14R 34.5	9-23	1445	SO							X		X																	
	~~S-14R~~			SO							X		X																	
	~~S-14R~~			SO							X		X																	
				SO							X		X																	

Relinquished by: (Signature) Sherry Phillips — Received by: (Signature) — Date: 9-25-08 — Time: 1340

Relinquished by: (Signature) Tom O'Reilly TO GSO 1730 9/25/08 — Received by: (Signature) — Date: — Time:

Relinquished by: (Signature) GSO 5104 29 731 — Received by: (Signature) Dannyle CEL — Date: 9/26/08 — Time: 10:20

05/2/06 Revision

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: DENIS BROWN
PO #:
INCIDENT # (ENV SERVICES): 97093399
SAP #:
☐ CHECK IF NO INCIDENT # APPLIES
DATE:
PAGE: 2 of 4

SAMPLING COMPANY: Conestoga-Rovers & Associates
LOG CODE: CRAW
SITE ADDRESS: Street and City: 461 8TH ST OAKLAND
State: CA
GLOBAL ID NO.: T0600101263
ADDRESS: 19449 Riverside Drive, Suite 230, Sonoma, California 95476
EDF DELIVERABLE TO (Name, Company, Office Location): Felicia Ballard, CRA, Sonoma
PHONE NO.: 707-935-4850
E-MAIL: sonomaedf@craworld.com
CONSULTANT PROJECT NO.: 240987-2008-6
PROJECT CONTACT (Hardcopy or PDF Report to): Tom Sparrowe, PG
SAMPLER NAME(S) (Print): SHERRY PHILLIPS
LAB USE ONLY: 09-2436
TELEPHONE: 510-420-3316
FAX: 510-420-9170
E-MAIL: tsparrowe@craworld.com

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, 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)			TPHg (8015M)			TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
8	S-23-5.5	9/24	1455	SO						1	X		X																
9	S-23-10.5	9/24	1501	SO							X		X																
10	S-23-15.5	9/24	1507	SO							X		X																
11	S-23-20.5	9/24	1513	SO							X		X																
12	S-23-25.5	9/24	1522	SO							X		X																
13	S-23-30.5	9/24	1534	SO							X		X																
14	S-23-34.5	9/24	1545	SO							X		X																
				SO							X		X																
				SO							X		X																
				SO							X		X																

Relinquished by: (Signature) Sherry Phillips
Received by: (Signature) CEL
Date: 9-25-08 Time: 1340

Relinquished by: (Signature) To Molly to GSO 9/25/08 1730
Received by: (Signature)
Date: Time:

Relinquished by: (Signature) GSO 5104299731
Received by: (Signature) Dannyle CEL
Date: 9/26/08 Time: 10:20

05/2/06 Revision

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: DENIS BROWN

INCIDENT # (ENV SERVICES): 97093399 ☐ CHECK IF NO INCIDENT # APPLIES

PO # / SAP #

DATE: _____ PAGE: 3 of 4

SAMPLING COMPANY: Conestoga-Rovers & Associates

LOG CODE: CRAW

SITE ADDRESS: Street and City: 461 8TH ST OAKLAND

State: CA

GLOBAL ID NO.: T0600101263

ADDRESS: 19449 Riverside Drive, Suite 230, Sonoma, California 95476

EDF DELIVERABLE TO (Name, Company, Office Location): Felicia Ballard, CRA, Sonoma

PHONE NO.: 707-935-4850

E-MAIL: sonomaedf@craworld.com

CONSULTANT PROJECT NO.: 240987-2008-6

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

SAMPLER NAME(S) (Print): SHERRY PHILLIPS

LAB USE ONLY: 09-2436

TELEPHONE: 510-420-3316 FAX: 510-420-9170 E-MAIL: tsparrowe@craworld.com

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

- ☐ LA - RWQCB REPORT FORMAT
- ☐ UST AGENCY:

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, 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)			TPHg (8015M)			Container PID Readings or Laboratory Notes
15	S-22A-5.5	9/25/08	0937	SO						1	X		X																	
16	S-22A-10.5	9/25/08	0942	SO							X		X																	
17	S-22A-15.5	9/25/08	0944	SO							X		X																	
18	S-22A-20.5	9/25/08	0950	SO							X		X																	
19	S-22A-26.5	9/25/08	0953	SO							X		X																	
				SO							X		X																	
				SO							X		X																	
				SO							X		X																	
				SO							X		X																	
				SO							X		X																	

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Sherry Phillips 9/25/08	CEL	9-25-08	1340
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Tia Malloy to GSO 1730			
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
GSO 5104629731	Danny le CEL	9/26/08	10:20

05/2/06 Revision

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: DENIS BROWN
PO #:
INCIDENT # (ENV SERVICES): 97093399
SAP #:
☐ CHECK IF NO INCIDENT # APPLIES
DATE: _____
PAGE: 4 of 4

SAMPLING COMPANY: Conestoga-Rovers & Associates
LOG CODE: CRAW
SITE ADDRESS: Street and City: 461 8TH ST OAKLAND
State: CA
GLOBAL ID NO.: T0600101263
ADDRESS: 19449 Riverside Drive, Suite 230, Sonoma, California 95476
EDF DELIVERABLE TO (Name, Company, Office Location): Felicia Ballard, CRA, Sonoma
PHONE NO.: 707-935-4850
E-MAIL: sonomaedf@craworld.com
CONSULTANT PROJECT NO.: 240987-2008-6
PROJECT CONTACT (Hardcopy or PDF Report to): Tom Sparrowe, PG
TELEPHONE: 510-420-3316
FAX: 510-420-9170
E-MAIL: tsparrowe@craworld.com
SAMPLER NAME(S) (Print): SHERRY PHILLIPS
LAB USE ONLY: 04-24136

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND
☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE: HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, 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)	TPHg (8015M)	Container PID Readings or Laboratory Notes
20	S-21A-5.5	9/25/08	1206	SO						1	X		X												
21	S-21A-10.5	9/25/08	1230	SO							X		X												
22	S-21A-15.5	9/25/08	1235	SO							X		X												
23	S-21A-20.5	9/25/08	1240	SO							X		X												
24	S-21A-26.5	9/25/08	1245	SO							X		X												
				SO							X		X												
				SO							X		X												
				SO							X		X												
				SO							X		X												
				SO							X		X												

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature) Sherry Phillips	Received by: (Signature) CEL	Date: 9-25-08	Time: 1340
Relinquished by: (Signature) Tom Sparrowe 1730	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature) GSO 510/429731	Received by: (Signature) Danny G CEL	Date: 9/26/08	Time: 10:20

05/2/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 08 - 09 - 2436

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: CRA **DATE:** 9/26/08

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature (For Air & Filter Only).
___ ___ . ___ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

__2__ . __8__ °C Temperature blank.
___ ___ . ___ °C IR Thermometer.
_____ Ambient temperature (For Air & Filter Only).

Initial: JP

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Present: ✓

Initial: JP

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: JP

COMMENTS: _____

Calscience
Environmental
Laboratories, Inc.

October 07, 2008

Tom Sparrowe
Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Subject: **Calscience Work Order No.:** **08-09-2544**
Client Reference: **461 8th Street, Oakland, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 9/27/2008 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Calscience Environmental
Laboratories, Inc.
Jessie Kim
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: 09/27/08
Work Order No: 08-09-2544
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

Project: 461 8th Street, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-29-5.5	08-09-2544-1-A	09/26/08 07:40	Solid	GC/MS LL	10/01/08	10/01/08 22:32	081001L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	101	70-130			1,4-Bromofluorobenzene-TPPH	102	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-29-10.5	08-09-2544-2-A	09/26/08 07:45	Solid	GC/MS LL	10/01/08	10/01/08 22:59	081001L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	101	70-130			1,4-Bromofluorobenzene-TPPH	103	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-29-15.5	08-09-2544-3-A	09/26/08 07:50	Solid	GC/MS LL	10/01/08	10/01/08 23:25	081001L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	101	70-130			1,4-Bromofluorobenzene-TPPH	103	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-29-20.5	08-09-2544-4-A	09/26/08 07:55	Solid	GC/MS LL	10/01/08	10/02/08 12:16	081001L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	0.0055	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	0.014	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	0.0057	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	102	70-130			1,4-Bromofluorobenzene-TPPH	104	70-130		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: 09/27/08
Work Order No: 08-09-2544
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

Project: 461 8th Street, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-29-25.5	08-09-2544-5-A	09/26/08 08:00	Solid	GC/MS LL	10/01/08	10/02/08 09:39	081001L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	5800	1000	2000		Toluene	260	10	2000	
Benzene	14	2.5	500		p/m-Xylene	440	10	2000	
Ethylbenzene	82	2.5	500		o-Xylene	160	10	2000	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	102	70-130			1,4-Bromofluorobenzene-TPPH	103	70-130		

B-29-30.5	08-09-2544-6-A	09/26/08 08:11	Solid	GC/MS LL	10/01/08	10/01/08 23:52	081001L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	0.69	0.50	1		Toluene	0.033	0.0050	1	
Benzene	0.0063	0.0050	1		p/m-Xylene	0.040	0.0050	1	
Ethylbenzene	0.0087	0.0050	1		o-Xylene	0.018	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	102	70-130			1,4-Bromofluorobenzene-TPPH	103	70-130		

B-29-35.5	08-09-2544-7-A	09/26/08 08:20	Solid	GC/MS LL	10/01/08	10/02/08 00:19	081001L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	0.0089	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	0.021	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	0.0090	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	102	70-130			1,4-Bromofluorobenzene-TPPH	103	70-130		

B-29-40.5	08-09-2544-8-A	09/26/08 08:28	Solid	GC/MS LL	10/01/08	10/02/08 00:45	081001L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	0.031	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	0.049	0.0050	1	
Ethylbenzene	0.011	0.0050	1		o-Xylene	0.024	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	103	70-130			1,4-Bromofluorobenzene-TPPH	105	70-130		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	09/27/08
19449 Riverside Drive, Suite 230		Work Order No:	08-09-2544
Sonoma, CA 95476-6955		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	mg/kg

Project: 461 8th Street, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-29-45.5	08-09-2544-9-A	09/26/08 08:35	Solid	GC/MS LL	10/01/08	10/02/08 01:12	081001L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	0.0064	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	0.014	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	0.0057	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	103	70-130			1,4-Bromofluorobenzene-TPPH	105	70-130		

B-28-5.5	08-09-2544-10-A	09/26/08 09:42	Solid	GC/MS LL	10/01/08	10/01/08 21:12	081001L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	101	70-130			1,4-Bromofluorobenzene-TPPH	102	70-130		

B-28-10.5	08-09-2544-11-A	09/26/08 09:45	Solid	GC/MS LL	10/01/08	10/02/08 01:39	081001L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	102	70-130			1,4-Bromofluorobenzene-TPPH	103	70-130		

B-28-15.5	08-09-2544-12-A	09/26/08 09:50	Solid	GC/MS LL	10/01/08	10/02/08 02:05	081001L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	0.0059	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	98	70-130			1,4-Bromofluorobenzene-TPPH	99	70-130		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received: 09/27/08
19449 Riverside Drive, Suite 230	Work Order No: 08-09-2544
Sonoma, CA 95476-6955	Preparation: EPA 5030B
	Method: LUFT GC/MS / EPA 8260B
	Units: mg/kg

Project: 461 8th Street, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-28-20.5	08-09-2544-13-A	09/26/08 09:55	Solid	GC/MS LL	10/01/08	10/02/08 02:32	081001L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	0.0054	0.0050	1	
Benzene	0.0051	0.0050	1		p/m-Xylene	0.013	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	102	70-130			1,4-Bromofluorobenzene-TPPH	103	70-130		

B-28-25.5	08-09-2544-14-A	09/26/08 10:00	Solid	GC/MS LL	10/01/08	10/02/08 10:06	081001L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	1500	250	500		Toluene	7.0	2.5	500	
Benzene	ND	2.5	500		p/m-Xylene	64	2.5	500	
Ethylbenzene	17	2.5	500		o-Xylene	7.9	2.5	500	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	103	70-130			1,4-Bromofluorobenzene-TPPH	104	70-130		

B-28-30.5	08-09-2544-15-A	09/26/08 10:07	Solid	GC/MS LL	10/01/08	10/02/08 10:32	081001L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	62	50	100		Toluene	ND	0.50	100	
Benzene	ND	0.50	100		p/m-Xylene	2.0	0.50	100	
Ethylbenzene	ND	0.50	100		o-Xylene	0.59	0.50	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	93	70-130			1,4-Bromofluorobenzene-TPPH	94	70-130		

B-28-35.5	08-09-2544-16-A	09/26/08 10:11	Solid	GC/MS LL	10/01/08	10/02/08 10:59	081001L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	50	100		Toluene	0.51	0.50	100	
Benzene	ND	0.50	100		p/m-Xylene	1.4	0.50	100	
Ethylbenzene	ND	0.50	100		o-Xylene	ND	0.50	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	96	70-130			1,4-Bromofluorobenzene-TPPH	97	70-130		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: 09/27/08
Work Order No: 08-09-2544
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

Project: 461 8th Street, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-28-40.5	08-09-2544-17-A	09/26/08 10:18	Solid	GC/MS LL	10/01/08	10/02/08 02:59	081001L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	0.013	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	0.032	0.0050	1	
Ethylbenzene	0.0074	0.0050	1		o-Xylene	0.012	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	105	70-130			1,4-Bromofluorobenzene-TPPH	106	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-28-45.5	08-09-2544-18-A	09/26/08 10:24	Solid	GC/MS LL	10/01/08	10/02/08 03:26	081001L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	103	70-130			1,4-Bromofluorobenzene-TPPH	105	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-800-40	N/A	Solid	GC/MS LL	10/01/08	10/01/08 20:18	081001L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	98	70-130			1,4-Bromofluorobenzene-TPPH	100	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-800-41	N/A	Solid	GC/MS LL	10/01/08	10/02/08 08:46	081001L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Toluene	ND	0.0050	1	
Benzene	ND	0.0050	1		p/m-Xylene	ND	0.0050	1	
Ethylbenzene	ND	0.0050	1		o-Xylene	ND	0.0050	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	98	70-130			1,4-Bromofluorobenzene-TPPH	100	70-130		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	09/27/08
19449 Riverside Drive, Suite 230	Work Order No:	08-09-2544
Sonoma, CA 95476-6955	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	mg/kg

Project: 461 8th Street, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-800-42**	**N/A**	**Solid**	**GC/MS LL**	**10/01/08**	**10/02/08 08:19**	**081001L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	50	100		Toluene	ND	0.50	100	
Benzene	ND	0.50	100		p/m-Xylene	ND	0.50	100	
Ethylbenzene	ND	0.50	100		o-Xylene	ND	0.50	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	99	70-130			1,4-Bromofluorobenzene-TPPH	101	70-130		

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: 09/27/08
Work Order No: 08-09-2544
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-28-5.5	Solid	GC/MS LL	10/01/08	10/01/08	081001S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	84	84	70-130	0	0-30	
Ethylbenzene	90	91	70-130	1	0-30	
Toluene	91	90	70-130	1	0-30	
p/m-Xylene	90	88	70-130	3	0-30	
o-Xylene	95	95	70-130	0	0-30	
Methyl-t-Butyl Ether (MTBE)	94	96	70-130	1	0-30	
Tert-Butyl Alcohol (TBA)	69	89	70-130	25	0-30	3
Diisopropyl Ether (DIPE)	92	92	70-130	1	0-30	
Ethyl-t-Butyl Ether (ETBE)	86	91	70-130	6	0-30	
Tert-Amyl-Methyl Ether (TAME)	93	97	70-130	5	0-30	
Ethanol	75	73	70-130	3	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: 09/27/08
Work Order No: 08-09-2544
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-09-2436-22	Solid	GC/MS LL	10/01/08	10/02/08	081001S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	88	90	70-130	3	0-30	
Ethylbenzene	90	90	70-130	1	0-30	
Toluene	98	99	70-130	1	0-30	
p/m-Xylene	111	109	70-130	1	0-30	
o-Xylene	122	123	70-130	1	0-30	
Methyl-t-Butyl Ether (MTBE)	92	98	70-130	6	0-30	
Tert-Butyl Alcohol (TBA)	67	86	70-130	25	0-30	3
Diisopropyl Ether (DIPE)	87	91	70-130	5	0-30	
Ethyl-t-Butyl Ether (ETBE)	76	87	70-130	13	0-30	
Tert-Amyl-Methyl Ether (TAME)	82	93	70-130	13	0-30	
Ethanol	85	87	70-130	3	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: N/A
Work Order No: 08-09-2544
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-800-40	Solid	GC/MS LL	10/01/08	10/01/08	081001L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
TPPH	87	87	65-135	53-147	0	0-30	
Benzene	87	88	70-130	60-140	1	0-30	
Ethylbenzene	95	96	70-130	60-140	2	0-30	
Toluene	92	94	70-130	60-140	2	0-30	
p/m-Xylene	96	96	70-130	60-140	1	0-30	
o-Xylene	100	100	70-130	60-140	1	0-30	
Methyl-t-Butyl Ether (MTBE)	97	99	70-130	60-140	2	0-30	
Tert-Butyl Alcohol (TBA)	88	101	70-130	60-140	13	0-30	
Diisopropyl Ether (DIPE)	94	95	70-130	60-140	1	0-30	
Ethyl-t-Butyl Ether (ETBE)	92	97	70-130	60-140	5	0-30	
Tert-Amyl-Methyl Ether (TAME)	97	101	70-130	60-140	4	0-30	
Ethanol	98	86	70-130	60-140	12	0-30	

Total number of LCS compounds : 12
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: N/A
Work Order No: 08-09-2544
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-800-41	Solid	GC/MS LL	10/01/08	10/02/08	081001L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
TPPH	82	81	65-135	53-147	1	0-30	
Benzene	81	83	70-130	60-140	2	0-30	
Ethylbenzene	91	92	70-130	60-140	1	0-30	
Toluene	89	90	70-130	60-140	1	0-30	
p/m-Xylene	90	92	70-130	60-140	2	0-30	
o-Xylene	95	97	70-130	60-140	2	0-30	
Methyl-t-Butyl Ether (MTBE)	95	94	70-130	60-140	0	0-30	
Tert-Butyl Alcohol (TBA)	95	100	70-130	60-140	4	0-30	
Diisopropyl Ether (DIPE)	92	91	70-130	60-140	1	0-30	
Ethyl-t-Butyl Ether (ETBE)	91	92	70-130	60-140	1	0-30	
Tert-Amyl-Methyl Ether (TAME)	97	97	70-130	60-140	0	0-30	
Ethanol	87	88	70-130	60-140	1	0-30	

Total number of LCS compounds : 12
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH NELAC

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: N/A
Work Order No: 08-09-2544
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-800-42	Solid	GC/MS LL	10/01/08	10/02/08	081001L03

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
TPPH	82	81	65-135	53-147	1	0-30	
Benzene	81	83	70-130	60-140	2	0-30	
Ethylbenzene	91	92	70-130	60-140	1	0-30	
Toluene	89	90	70-130	60-140	1	0-30	
p/m-Xylene	90	92	70-130	60-140	2	0-30	
o-Xylene	95	97	70-130	60-140	2	0-30	
Methyl-t-Butyl Ether (MTBE)	95	94	70-130	60-140	0	0-30	
Tert-Butyl Alcohol (TBA)	95	100	70-130	60-140	4	0-30	
Diisopropyl Ether (DIPE)	92	91	70-130	60-140	1	0-30	
Ethyl-t-Butyl Ether (ETBE)	91	92	70-130	60-140	1	0-30	
Tert-Amyl-Methyl Ether (TAME)	97	97	70-130	60-140	0	0-30	
Ethanol	87	88	70-130	60-140	1	0-30	

Total number of LCS compounds : 12
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: 08-09-2544

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

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: DENIS BROWN

INCIDENT # (ENV SERVICES): 97099339 ☐ CHECK IF NO INCIDENT # APPLIES

PO # / SAP #

DATE: _____

PAGE: 1 of 2

SAMPLING COMPANY: Conestoga-Rovers & Associates

LOG CODE: CRAW

SITE ADDRESS: Street and City: 461 8TH ST OAKLAND

State: CA

GLOBAL ID NO.: T0600101263

ADDRESS: 19449 Riverside Drive, Suite 230, Sonoma, California 95476

EDF DELIVERABLE TO (Name, Company, Office Location): Felicia Ballard, CRA, Sonoma

PHONE NO.: 707-935-4850

E-MAIL: sonomaedf@craworld.com

CONSULTANT PROJECT NO.: 240987-2008-6

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

TELEPHONE: 510-420-3316

FAX: 510-420-9170

E-MAIL: tsparrowe@craworld.com

SAMPLER NAME(S) (Print): SHERRY PHILLIPS

LAB USE ONLY: 09-2544

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING 2008 DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, 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)	TPHg (8015M)
1	B-29-5.5	9-26	0740	SO						1	X		X											
2	B-29-10.5	9-26	0745	SO							X		X											
3	B-29-15.5	9-26	0750	SO							X		X											
4	B-29-20.5	9-26	0755	SO							X		X											
5	B-29-25.5	9-26	0800	SO							X		X											
6	B-29-30.5	9-26	0811	SO							X		X											
7	B-29-35.5	9-26	0820	SO							X		X											
8	B-29-40.5	9-26	0825	SO							X		X											
9	B-29-45.5	9-26	0835	SO							X		X											
				SO							X		X											

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Sherry Phillips		9-26-08	1215
Tom O'Malley TOM 1730 9/26/08	CEC	9-27-08	10:35
	Gladel (EDC)		

05/2/06 Revision

TK#510439254

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: DENIS BROWN

INCIDENT # (ENV SERVICES): 97093399

☐ CHECK IF NO INCIDENT # APPLIES

PO #:

SAP #:

DATE: _____

PAGE: 2 of 2

SAMPLING COMPANY: Conestoga-Rovers & Associates

LOG CODE: CRAW

SITE ADDRESS: Street and City: 461 8TH ST OAKLAND

State: CA

GLOBAL ID NO.: T0600101263

ADDRESS: 19449 Riverside Drive, Suite 230, Sonoma, California 95476

EDF DELIVERABLE TO (Name, Company, Office Location): Felicia Ballard, CRA, Sonoma

PHONE NO.: 707-935-4850

E-MAIL: sonomaedf@craworld.com

CONSULTANT PROJECT NO.: 240987-2008-6

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

SAMPLER NAME(S) (Print): SHERRY PHILLIPS

LAB USE ONLY: 09-2544 (KR)

TELEPHONE: 510-420-3316

FAX: 510-420-9170

E-MAIL: tsparrowe@craworld.com

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

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

REQUESTED ANALYSIS

2544

TEMPERATURE ON RECEIPT C°

LAB USE ONLY	Field Sample Identification	SAMPLING DATE (2008)	SAMPLING TIME	MATRIX	PRESERVATIVE: HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, 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)			TPHg (8015M)			Container PID Readings or Laboratory Notes
10	9	B-28-5.5	9/26	0942	SO						1	X		X																10
11	10	B-28-10.5	9/26	0945	SO							X		X																	11
12	11	B-28-15.5	9/26	0950	SO							X		X																	12
13	12	B-28-20.5	9/26	0955	SO							X		X																	13
14	13	B-28-25.5	9/26	1000	SO							X		X																	14
15	14	B-28-30.5	9/26	1007	SO							X		X																	15
16	15	B-28-35.5	9/26	1011	SO							X		X																	16
17	16	B-28-40.5	9/26	1018	SO							X		X																	17
18	17	B-28-45.5	9/26	1024	SO							X		X																	18
					SO							X		X																	

Relinquished by: (Signature) Sherry Phillips	Received by: (Signature) CEL	Date: 9-26-08	Time: 1215
Relinquished by: (Signature) Tom O'Malley TO 650 / 730 9/26/08	Received by: (Signature) Glad Dan (CEL)	Date: 9-27-08	Time: 10:35
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/2/06 Revision

TK# 510430254

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 08 - 09 - 2544

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: CRA DATE: 09-27-2008

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature (For Air & Filter only).

___.___ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

___.___ °C Temperature blank.
02.8 °C IR thermometer.
_____ Ambient temperature (For Air & Filter only).

Initial: KN

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Present: ✓

Initial: KN

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: KN

COMMENTS: