CONESTOGA-ROVERS & ASSOCIATES

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Emeryville, California 94608
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TRANSMITTAL

DATE: January 5, 2011 **REFERENCE NO.:** 240937

PROJECT NAME: 3600 Park Boulevard, Oakland

TO: Keith Matthews
OFD-Fire Prevention Bureau
250 Frank Ogawa Plaza, Suite 3341
Oakland, California 94612-2032

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

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QUANTITY	DESCRIPTION
	Underground Storage Tank Removal Report

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

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

Copy to: Denis Brown, Shell Oil Products US (electronic copy)
Bill Merchant, Shell Oil Products US (electronic copy)
Jerry Wickham, Alameda County Environmental Health (electronic copy)

Completed by: Peter Schaefer Signed: Peter Schaefer

Filing: **Correspondence File**

UNDERGROUND STORAGE TANK REMOVAL REPORT

FORMER SHELL SERVICE STATION
3600 PARK BOULEVARD
OAKLAND, CALIFORNIA

SAP CODE 135689

Prepared by:
Conestoga-Rovers & Associates

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JANUARY 5, 2011
REF. NO. 240937 (5)
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TABLE OF CONTENTS

LIST OF FIGURES
(Following Text)

LIST OF TABLES
(Following Text)

LIST OF APPENDICES

1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) to document the recent underground storage tank (UST) removal at the referenced site. Under Oakland Fire Department (OFD) direction, CRA performed soil and grab groundwater sampling following the removal of three gasoline USTs, product dispensers, and associated piping. CRA performed the work in accordance with OFD guidelines.

2.0 SITE DESCRIPTION

The subject site is a former Shell service station located on the eastern corner of Park Boulevard and Chatham Road intersection in Oakland, California (Figure 1). The area surrounding the site is both commercial and residential. Interstate 580 is located across Chatham Road opposite the site's southwestern boundary. The former service station layout included four dispensers and three gasoline underground storage tanks (USTs). A station kiosk and canopy are still present (Figure 2).

3.0 SAMPLING ACTIVITIES AND SAMPLE ANALYSES

On December 8, 2010, Paradiso Mechanical, Inc. of San Leandro, California removed three 10,000-gallon gasoline USTs, product dispensers, and associated piping.

3.1 PERSONNEL PRESENT

- Keith Matthews, Fire Prevention Bureau, OFD
- Scott Lewis, Staff Scientist, CRA

3.2 SAMPLING DATE

December 8, 2010

3.3 UST REMOVAL OBSERVATIONS

CRA observed no cracks, holes, or corrosion in the USTs upon removal.

3.4 UST EXCAVATION SOIL SAMPLING

CRA collected eight soil samples from the sidewalls of the UST excavation at a depth of 2.5 feet below grade (fbg) using a backhoe. Figure 2 shows the sampling locations. The soil was removed from the backhoe and packed into clean stainless steel sample tubes; the tube ends were covered with Teflon® tape and plastic end caps. Soil samples were labeled, placed into a cooler with ice, entered onto a chain-of-custody record, and transported to a California-certified analytical laboratory.

3.5 DISPENSER SAMPLING

CRA collected four samples beneath the dispenser locations at a depth of 3.5 fbg (Figure 2). Soil samples were collected in the manner described above.

3.6 PIPING SAMPLING

CRA collected six samples below product piping at 2.5 to 5 fbg (Figure 2). Soil samples were collected in the manner described above.

3.7 UST EXCAVATION GRAB GROUNDWATER SAMPLING

CRA collected one grab groundwater sample from the water in the excavation using a disposable bailer (Figure 2). The water was transferred from the bailer to containers with the appropriate preservatives and no headspace. The water samples were labeled, placed into a cooler with ice, entered onto a chain-of-custody record, and transported to a California-certified analytical laboratory.

3.8 PEA GRAVEL SAMPLING

CRA collected two composite samples of stockpiled pea gravel from the UST excavation. Four pea gravel samples from each stockpile were packed into clean stainless steel sample tubes; the tube ends were covered with Teflon® tape and plastic end caps. Pea gravel samples were labeled, placed into a cooler with ice, entered onto a chain-of-custody record, and transported to a California-certified analytical laboratory.

The four samples from each stockpile were composited by the laboratory prior to analysis.

3.9 CHEMICAL ANALYSES

State-certified laboratory Calscience Environmental Laboratories, Inc. of Garden Grove, California analyzed the soil and grab groundwater samples for:

- Total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, and total xylenes (BTEX), methyl tertiary-butyl ether (MTBE), ethyl tertiary-butyl ether (ETBE), tertiary-amyl methyl ether (TAME), di-isopropyl ether (DIPE), tertiary-butyl alcohol (TBA), 1,2-dichloroethane (1,2-DCA), and ethylene dibromide (EDB) by EPA Method 8260B; and
- Total lead by EPA Method 6010A.

Pea gravel samples were analyzed for:

- Total petroleum hydrocarbons as motor oil (TPHmo) by EPA Method 8015B (M);
- Total petroleum hydrocarbons as diesel (TPHd) by EPA Method 8015B;
- TPHg, BTEX, MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB by EPA Method 8260B;
- Total antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc by EPA Method 6010B; and
- Total mercury by EPA Method 7471A.

Appendix A includes the laboratory reports.

3.10 WATER DISPOSAL

Approximately 11,530 gallons of water were pumped from the excavation and temporarily stored in a tank on site. On December 1 and 22, 2010, Phillip West Industrial Service transported the water to the Shell Martinez Refining Company for recycling. The bills of lading are included in Appendix B.

4.0 ANALYTICAL RESULTS

Figure 3 and Table 1 summarize soil analytical results, Table 2 summarizes pea gravel analytical results, and Figure 3 and Table 3 summarize grab groundwater analytical results. Appendix A presents the laboratory analytical reports. A summary of these data is presented below.

Three soil samples contained TPHg at concentrations ranging from 2.8 to 350 milligrams per kilogram (mg/kg). Only the TPHg detections in samples P-3-5 and DP-4-3.5 exceed San Francisco Bay Regional Water Quality Control Board (RWQCB) environmental screening level (ESL) (180 mg/kg) for shallow soils at a site with commercial land used.[1] The RWQCB guidance advises that "TPH ESLs must be used in conjunction with ESLs for related chemicals (e.g. BTEX, polynuclear aromatic hydrocarbons, oxidizers, etc.)." In this case, BTEX, fuel oxygenates, and lead scavengers would be the appropriate related chemicals, and no BTEX, fuel oxygenate, or lead scavenger concentrations were detected in the soil samples. The soil samples contained up to 27.0 mg/kg total lead, which is less than the ESL of 750 mg/kg. No other constituents of concern were detected in soil samples.

Pea gravel samples contained up to 2.81 mg/kg arsenic, 64.3 mg/kg barium, 19.9 mg/kg chromium, 6.24 mg/kg cobalt, 13.5 mg/kg copper, 5.38 mg/kg lead, 0.132 mg/kg mercury, 41.4 mg/kg nickel, 16.8 mg/kg vanadium, and 56.9 mg/kg zinc. TPHmo, TPHd, TPHg, BTEX, fuel oxygenates, and lead scavengers were not detected in the pea gravel samples. Only the arsenic detections exceed the ESL for shallow soils with commercial land use. The arsenic concentrations that exceed the ESL are within background concentration ranges for California soils.[2] Based an these results, Shell reused the pea gravel to backfill the excavation as approved in OFD's December 15, 2010 electronic correspondence.

The grab groundwater sample from the UST excavation contained 330 micrograms per liter (µg/l) TPHg, 26 µg/l benzene, 64 µg/l toluene, 5.2 µg/l ethylbenzene, 55 µg/l total xylenes, 8.4 µg/l MTBE, and 112 µg/l total lead. Only TPHg and lead concentrations exceeded the ESL for groundwater where groundwater is not a potential source of drinking water. As noted above, the RWQCB guidance advises that "TPH ESLs must be used in conjunction with ESLs for related chemicals (e.g. BTEX, polynuclear aromatic

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

2 Bradford et. al, *Background Concentrations of Trace and Major Elements in California Soils,* Kearney Foundation Special Report, University of California-Riverside and California Environmental Protection Agency - Department of Toxic Substances Control, March 1996.

hydrocarbons, oxidizers, etc.)." In this case, BTEX, fuel oxygenates, and lead scavengers would be the appropriate related chemicals, and no BTEX, fuel oxygenate, or lead scavenger concentrations were detected above ESLs in the grab groundwater sample. It should also be noted that the grab groundwater sample was not filtered prior to analysis for lead.

Based on these results, Shell filed an Underground Storage Tank Unauthorized Release (Leak)/Site Contamination Report (Unauthorized Release Report) on December 20, 2010 with Alameda County Environmental Health and OFD. Appendix C presents this report.

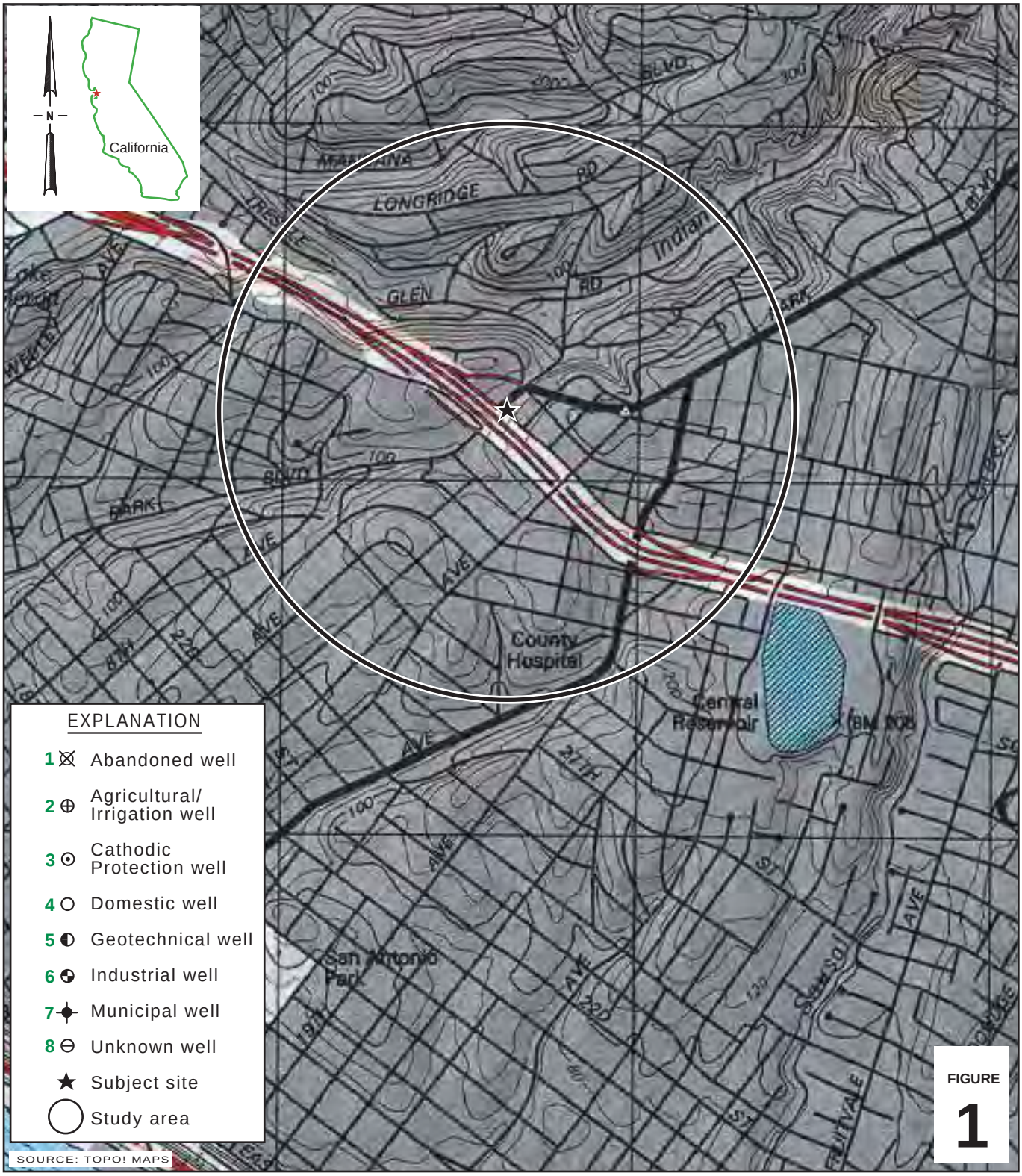
All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Peter Schaefer, CHG, CEG

Aubrey K. Cool, PG

FIGURES

11/15/2010



I:\Shell\6-chars\2409--\240937-Oakland 3600 Park\240937-FIGURES\240937 VICINITY.AI

FIGURE
1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Former Shell Service Station

3600 Park Boulevard

Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

12/22/2010

Site Plan

EXPLANATION

DP-1-3.5	▪	Soil sample location (12/08/2010)
UST-W1	□	Grab groundwater sample location (12/08/2010)
MW-2	⊠	Destroyed monitoring well location
SB-1	◉	Soil boring location (1/3-6/2006)
D-1-5'	▲	Dispenser soil sample location (8/20/2004)
D-1	●	Dispenser soil sample location (02/20/1998)

Electrical line (E)

Water line (W)

Former product piping line (P)

PARK BOULEVARD

CHATHAM ROAD

Storm Drain

Planter

Former Dispensers

Former USTs

Kiosk

Trash

Storage

Sign

Light (typ.)

Light & Air/Water

Vents

Bus Stop

Fenceline

Concrete Retaining Wall

SB-1 SB-3 SB-5 SB-6

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

DP-1-3.5 DP-2-3.5 DP-3-3.5 DP-4-3.5

MW-2 MW-4 MW-7 MW-8

P-1-5 P-2-5 P-3-5 P-4-2.5 P-5-3 P-6-3.5

UST-1-2.5 UST-2-2.5 UST-3-2.5 UST-4-2.5 UST-5-2.5 UST-6-2.5 UST-7-2.5 UST-8-2.5 UST-W1

N

0 10 20 40

Scale (ft)

FIGURE

2

Former Shell Service Station

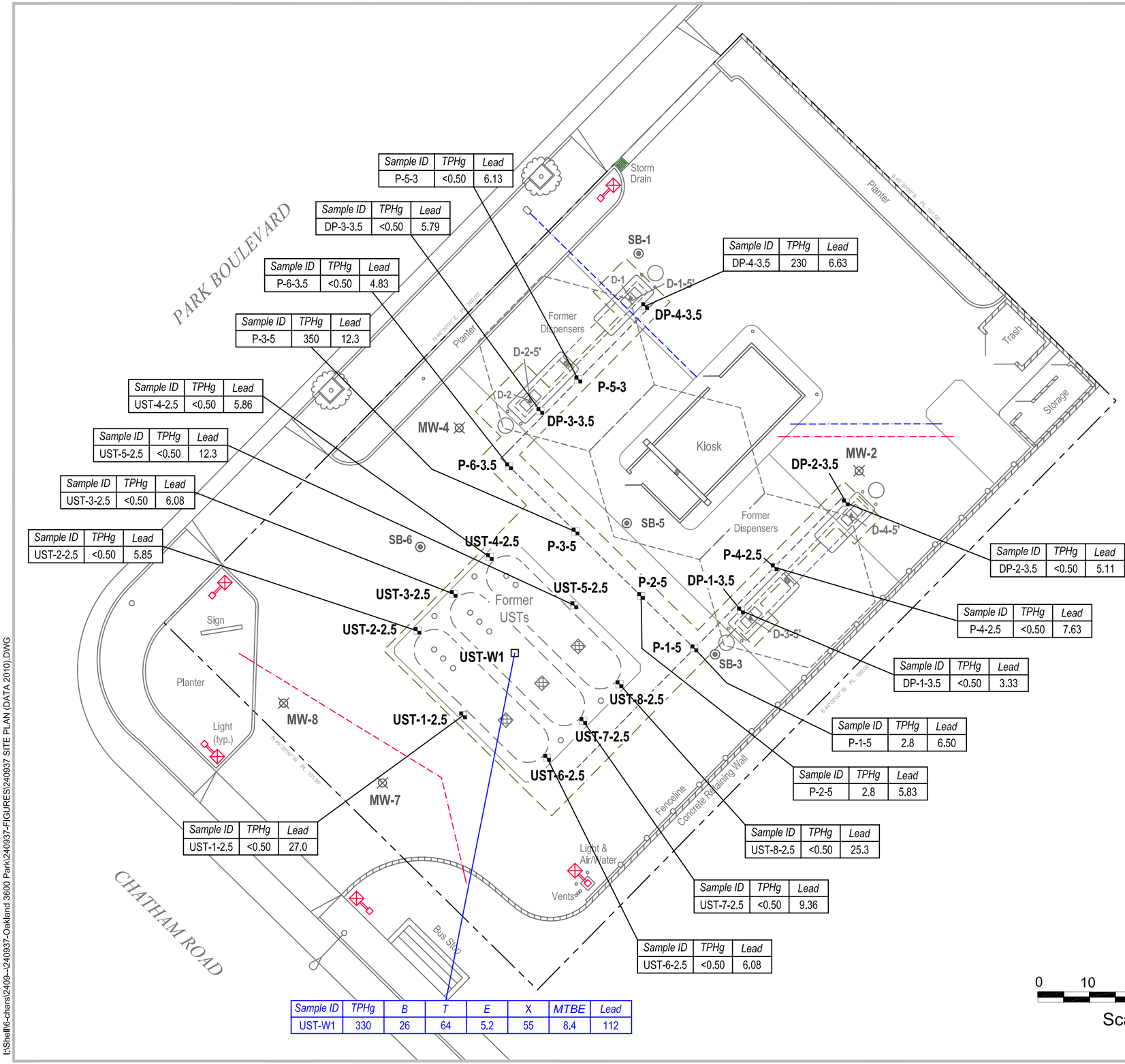
3600 Park Boulevard

Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

I:\Shell\6-chars\2409--\2409370-Oakland 3600 Park\2409370-FIGURES\2409370 SITE PLAN.DWG

12/22/2010



Sample ID	TPHg	Lead
P-5-3	<0.50	6.13

Sample ID	TPHg	Lead
DP-3-3.5	<0.50	5.79

Sample ID	TPHg	Lead
P-6-3.5	<0.50	4.83

Sample ID	TPHg	Lead
P-3-5	350	12.3

Sample ID	TPHg	Lead
UST-4-2.5	<0.50	5.86

Sample ID	TPHg	Lead
UST-5-2.5	<0.50	12.3

Sample ID	TPHg	Lead
UST-3-2.5	<0.50	6.08

Sample ID	TPHg	Lead
UST-2-2.5	<0.50	5.85

Sample ID	TPHg	Lead
DP-4-3.5	230	6.63

Sample ID	TPHg	Lead
DP-2-3.5	<0.50	5.11

Sample ID	TPHg	Lead
P-4-2.5	<0.50	7.63

Sample ID	TPHg	Lead
DP-1-3.5	<0.50	3.33

Sample ID	TPHg	Lead
P-1-5	2.8	6.50

Sample ID	TPHg	Lead
P-2-5	2.8	5.83

Sample ID	TPHg	Lead
UST-8-2.5	<0.50	25.3

Sample ID	TPHg	Lead
UST-7-2.5	<0.50	9.36

Sample ID	TPHg	Lead
UST-6-2.5	<0.50	6.08

Sample ID	TPHg	Lead
UST-1-2.5	<0.50	27.0

Sample ID	TPHg	B	T	E	X	MTBE	Lead
UST-W1	330	26	64	5.2	55	8.4	112

EXPLANATION

- **DP-1-3.5** Soil sample location (12/08/2010)
- **UST-W1** Grab groundwater sample location (12/08/2010)
- **MW-2** Destroyed monitoring well location
- **SB-1** Soil boring location (1/3-6/2006)
- **D-1-5'** Dispenser soil sample location (8/20/2004)
- **D-1** Dispenser soil sample location (02/20/1998)
- Electrical line (E)
- Water line (W)
- Former product piping line (P)

Sample ID	TPHg	B	T	E	X	MTBE	Lead
UST-W1	330	26	64	5.2	55	8.4	112

Notes:
Grab groundwater sample ID and concentrations, in micrograms per liter
TPHg = Total petroleum hydrocarbons as gasoline
B = Benzene
T = Toluene
E = Ethyl-benzene
X = Total Xylenes
MTBE = Methyl tertiary-butyl ether

Sample ID	TPHg	Lead
UST-1-2.5	<0.50	27.0

Notes:
Soil sample ID and concentrations (in milligrams per kilogram)
TPHg = Total petroleum hydrocarbons as gasoline
<X = Not detected at reporting limit X

Grab Groundwater and Soil Chemical Concentration Map

Former Shell Service Station
3600 Park Boulevard
Oakland, California

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FIGURE
3

I:\Shell\6-chars\2409--\240937-Oakland 3600 Park\240937-FIGURES\240937 SITE PLAN (DATA 2010).DWG

TABLES

TABLE 1

SOIL ANALYTICAL DATA
FORMER SHELL SERVICE STATION
3600 PARK BOULEVARD, OAKLAND, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*1,2-DCA*	*EDB*	*Lead*
Tank Excavation Samples															
UST-1-2.5	12/8/2010	2.5	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.0050	<0.0050	27.0
UST-2-2.5	12/8/2010	2.5	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.0050	<0.0050	5.85
UST-3-2.5	12/8/2010	2.5	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.0050	<0.0050	6.08
UST-4-2.5	12/8/2010	2.5	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.0050	<0.0050	5.86
UST-5-2.5	12/8/2010	2.5	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.0050	<0.0050	12.3
UST-6-2.5	12/8/2010	2.5	<0.50	<0.0050	<0.0050	<0.0050	0.0094	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.0050	<0.0050	6.08
UST-7-2.5	12/8/2010	2.5	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.0050	<0.0050	9.36
UST-8-2.5	12/8/2010	2.5	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.0050	<0.0050	25.3
Pipe Trench Soil Samples															
P-1-5	12/8/2010	5	2.8	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.0050	<0.0050	6.50
P-2-5	12/8/2010	5	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.0050	<0.0050	5.83
P-3-5	12/8/2010	5	**350**	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<1.0	<1.0	<1.0	<0.50	<0.50	12.3
P-4-2.5	12/8/2010	2.5	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.0050	<0.0050	7.63
P-5-3	12/8/2010	3	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.0050	<0.0050	6.13
P-6-3.5	12/8/2010	3.5	<0.50	<0.0050	<0.0050	<0.0050	0.021	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.0050	<0.0050	4.83
Dispenser Soil Samples															
DP-1-3.5	12/8/2010	3.5	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.0050	<0.0050	3.33
DP-2-3.5	12/8/2010	3.5	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.0050	<0.0050	5.11
DP-3-3.5	12/8/2010	3.5	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.0050	<0.0050	5.79
DP-4-3.5	12/8/2010	3.5	**230**	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<1.0	<1.0	<1.0	<0.50	<0.50	6.63
Shallow Soil (≤10 fbg) ESL [a]:			180	0.27	9.3	4.7	11	8.4	110	NA	NA	NA	0.48	0.044	750

TABLE 1

SOIL ANALYTICAL DATA
FORMER SHELL SERVICE STATION
3600 PARK BOULEVARD, OAKLAND, CALIFORNIA

Notes:

All results in milligrams per kilogram (mg/kg) unless otherwise indicated.
fbg = Feet below grade
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B.
Benzene, toluene, ethylbenzene, and xylenes analyzed by EPA Method 8260B unless otherwise noted.
MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B unless otherwise noted.
TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B
DIPE = Di-isopropyl ether analyzed by EPA Method 8260B
ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B
TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B
1,2-DCA = 1,2-Dichloroethane by EPA Method 8260B
EDB = 1,2,-Dibromoethane by EPA Method 8260B
Lead analyzed by EPA Method 6010B
<x = Not detected at reporting limit x
ESL = Environmental screening level
NA = No applicable ESL
Results in **bold** equal or exceed applicable ESL

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

TABLE 2

PEA GRAVEL ANALYTICAL DATA
FORMER SHELL SERVICE STATION
3600 PARK BOULEVARD, OAKLAND, CALIFORNIA

Sample ID	*Date*	*TPHmo*	*TPHd*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*1,2-DCA*	*EDB*	*Arsenic*	*Barium*	*Chromium*	*Cobalt*	*Copper*	*Lead*	*Mercury*	*Nickel*	*Vanadium*	*Zinc*
SP-P	12/8/2010	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.0050	<0.0050	**2.40**	64.3	19.9	6.24	11.4	4.92	<0.0835	41.1	15.9	56.9
SP-T	12/8/2010	<25	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	<0.0050	<0.0050	**2.81**	60.2	17.3	5.50	13.5	5.38	0.132	29.9	16.8	44.5
Shallow Soil (≤10 fbg) ESL [a]:		2,500	180	180	0.27	9.3	4.7	11	8.4	110	NA	NA	NA	0.48	0.044	1.6	1,500	75	80	230	750	10	150	200	600
Deep Soil (>10 fbg) ESL [a]:		2,500	180	180	2.0	9.3	4.7	11	8.4	110	NA	NA	NA	1.8	1.0	15	2,600	5,000	94	5,000	750	58	260	770	5,000

Notes:

All results in milligrams per kilogram (mg/kg) unless otherwise indicated.
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B.
TPHd = Total petroleum hydrocarbons as diesel analyzed by EPA Method 8015B.
TPHmo = Total petroleum hydrocarbons as motor oil analyzed by EPA Method 8015B (M).
Benzene, toluene, ethylbenzene, and xylenes analyzed by EPA Method 8260B
MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B
TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B
DIPE = Di-isopropyl ether analyzed by EPA Method 8260B
ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B
TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B
1,2-DCA = 1,2-Dichloroethane by EPA Method 8260B
EDB = 1,2,-Dibromoethane by EPA Method 8260B
Arsenic, barium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc analyzed by EPA Method 6010B
Antimony, beryllium, cadmium, molybdenum, selenium, silver, and thallium not detected by EPA Method 6010B
Mercury analyzed by EPA Method 7471A
<x = Not detected at reporting limit x
ESL = Environmental screening level
NA = No applicable ESL
Results in **bold** equal or exceed applicable ESL

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

TABLE 3

GRAB GROUNDWATER ANALYTICAL DATA
FORMER SHELL SERVICE STATION
3600 PARK BOULEVARD, OAKLAND, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*1,2-DCA*	*EDB*	*Lead*
UST-W1	12/8/2010	9.5	**330**	26	64	5.2	55	8.4	<10	<2.0	<2.0	<2.0	<1.0	<0.50	**112**
Groundwater ESL.[a]:			*210*	*46*	*130*	*43*	*100*	*1,800*	*18,000*	*NA*	*NA*	*NA*	*200*	*150*	*2.5*

Notes:

All results in micrograms per liter (µg/l).
fbg = Feet below grade
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B
Benzene, toluene, ethylbenzene, and xylenes analyzed by EPA Method 8260B
MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B
TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B
DIPE = Di-isopropyl ether analyzed by EPA Method 8260B
ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B
TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B
1,2-DCA = 1,2-Dichloroethane by EPA Method 8260B
EDB = 1,2-Dibromoethane by EPA Method 8260B
Lead analyzed by EPA Method 6010B
<x = Not detected at reporting limit x
ESL = Environmental screening level
NA = No applicable ESL
Results in **bold** equal or exceed applicable ESL

a = San Francisco Bay Regional Water Quality Control Board ESL for groundwater where groundwater is not a source of drinking water (Table B of *Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater* , California Regional Water Quality Control Board, Interim Final - November 2007 [Revised May 2008]).

APPENDIX A

LABORATORY ANALYTICAL REPORTS

Calscience
Environmental
Laboratories, Inc.

December 14, 2010

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

Subject: **Calscience Work Order No.: 10-12-0737**
Client Reference: 3600 Park Boulevard, Oakland, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 12/9/2010 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/09/10
Work Order No: 10-12-0737
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 3600 Park Boulevard, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
UST-W1	**10-12-0737-1-B**	**12/08/10 11:50**	**Aqueous**	**GC/MS RR**	**12/11/10**	**12/11/10 15:34**	**101211L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	26	0.50	1		Methyl-t-Butyl Ether (MTBE)	8.4	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	5.2	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	64	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	55	1.0	1		TPPH	330	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	97	80-126			1,2-Dichloroethane-d4	96	80-134		
Toluene-d8-TPPH	98	88-112			Toluene-d8	99	80-120		
1,4-Bromofluorobenzene	94	80-120							

Method Blank	**099-12-767-5,027**	**N/A**	**Aqueous**	**GC/MS RR**	**12/11/10**	**12/11/10 12:56**	**101211L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		TPPH	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	97	80-126			1,2-Dichloroethane-d4	96	80-134		
Toluene-d8	99	80-120			Toluene-d8-TPPH	98	88-112		
1,4-Bromofluorobenzene	94	80-120							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/09/10
Work Order No: 10-12-0737
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

Project: 3600 Park Boulevard, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
UST-1-2.5	10-12-0737-2-A	12/08/10 12:02	Solid	GC/MS UU	12/09/10	12/10/10 16:14	101210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
1,2-Dibromoethane	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
1,2-Dichloroethane	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	97	63-141			1,2-Dichloroethane-d4	98	62-146		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	95	60-132		
Toluene-d8-TPPH	100	87-111							

UST-2-2.5	10-12-0737-3-A	12/08/10 12:04	Solid	GC/MS UU	12/09/10	12/10/10 14:25	101210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
1,2-Dibromoethane	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
1,2-Dichloroethane	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	96	63-141			1,2-Dichloroethane-d4	95	62-146		
Toluene-d8	96	80-120			1,4-Bromofluorobenzene	94	60-132		
Toluene-d8-TPPH	96	87-111							

UST-3-2.5	10-12-0737-4-A	12/08/10 12:06	Solid	GC/MS UU	12/09/10	12/10/10 16:42	101210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
1,2-Dibromoethane	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
1,2-Dichloroethane	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	95	63-141			1,2-Dichloroethane-d4	92	62-146		
Toluene-d8	99	80-120			1,4-Bromofluorobenzene	92	60-132		
Toluene-d8-TPPH	98	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/09/10
Work Order No: 10-12-0737
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

Project: 3600 Park Boulevard, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
UST-4-2.5	10-12-0737-5-A	12/08/10 12:09	Solid	GC/MS UU	12/09/10	12/10/10 17:09	101210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
1,2-Dibromoethane	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
1,2-Dichloroethane	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	95	63-141			1,2-Dichloroethane-d4	98	62-146		
Toluene-d8	99	80-120			1,4-Bromofluorobenzene	93	60-132		
Toluene-d8-TPPH	99	87-111							

UST-5-2.5	10-12-0737-6-A	12/08/10 12:15	Solid	GC/MS UU	12/09/10	12/10/10 17:36	101210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
1,2-Dibromoethane	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
1,2-Dichloroethane	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	96	63-141			1,2-Dichloroethane-d4	99	62-146		
Toluene-d8	99	80-120			1,4-Bromofluorobenzene	94	60-132		
Toluene-d8-TPPH	98	87-111							

UST-6-2.5	10-12-0737-7-A	12/08/10 12:24	Solid	GC/MS UU	12/09/10	12/10/10 18:04	101210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
1,2-Dibromoethane	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
1,2-Dichloroethane	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	0.0094	0.0050	1		TPPH	ND	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	96	63-141			1,2-Dichloroethane-d4	101	62-146		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	96	60-132		
Toluene-d8-TPPH	99	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/09/10
Work Order No: 10-12-0737
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

Project: 3600 Park Boulevard, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
UST-7-2.5	10-12-0737-8-A	12/08/10 12:28	Solid	GC/MS UU	12/09/10	12/10/10 18:31	101210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
1,2-Dibromoethane	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
1,2-Dichloroethane	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	95	63-141			1,2-Dichloroethane-d4	97	62-146		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	95	60-132		
Toluene-d8-TPPH	99	87-111							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
UST-8-2.5	10-12-0737-9-A	12/08/10 12:35	Solid	GC/MS UU	12/09/10	12/10/10 18:58	101210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
1,2-Dibromoethane	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
1,2-Dichloroethane	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	97	63-141			1,2-Dichloroethane-d4	99	62-146		
Toluene-d8	98	80-120			1,4-Bromofluorobenzene	96	60-132		
Toluene-d8-TPPH	97	87-111							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
P-1-5	10-12-0737-10-A	12/08/10 12:39	Solid	GC/MS UU	12/09/10	12/10/10 19:25	101210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
1,2-Dibromoethane	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
1,2-Dichloroethane	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	2.8	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	96	63-141			1,2-Dichloroethane-d4	99	62-146		
Toluene-d8	99	80-120			1,4-Bromofluorobenzene	103	60-132		
Toluene-d8-TPPH	98	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/09/10
Work Order No: 10-12-0737
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

Project: 3600 Park Boulevard, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
P-2-5	10-12-0737-11-A	12/08/10 12:42	Solid	GC/MS UU	12/09/10	12/10/10 19:53	101210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
1,2-Dibromoethane	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
1,2-Dichloroethane	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	95	63-141			1,2-Dichloroethane-d4	99	62-146		
Toluene-d8	98	80-120			1,4-Bromofluorobenzene	94	60-132		
Toluene-d8-TPPH	98	87-111							

P-3-5	10-12-0737-12-A	12/08/10 12:44	Solid	GC/MS UU	12/09/10	12/11/10 15:34	101211L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Methyl-t-Butyl Ether (MTBE)	ND	0.50	100	
1,2-Dibromoethane	ND	0.50	100		Tert-Butyl Alcohol (TBA)	ND	5.0	100	
1,2-Dichloroethane	ND	0.50	100		Diisopropyl Ether (DIPE)	ND	1.0	100	
Ethylbenzene	ND	0.50	100		Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	
Toluene	ND	0.50	100		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	
Xylenes (total)	ND	0.50	100		TPPH	350	50	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	93	63-141			1,2-Dichloroethane-d4	96	62-146		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	97	60-132		
Toluene-d8-TPPH	101	87-111							

DP-1-3.5	10-12-0737-13-A	12/08/10 12:48	Solid	GC/MS UU	12/09/10	12/10/10 20:20	101210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
1,2-Dibromoethane	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
1,2-Dichloroethane	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	63-141			1,2-Dichloroethane-d4	107	62-146		
Toluene-d8	97	80-120			1,4-Bromofluorobenzene	94	60-132		
Toluene-d8-TPPH	96	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/09/10
Work Order No: 10-12-0737
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

Project: 3600 Park Boulevard, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
P-4-2.5	10-12-0737-14-A	12/08/10 12:50	Solid	GC/MS UU	12/09/10	12/11/10 02:16	101210L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
1,2-Dibromoethane	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
1,2-Dichloroethane	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	91	63-141			1,2-Dichloroethane-d4	94	62-146		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	95	60-132		
Toluene-d8-TPPH	98	87-111							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DP-2-3.5	10-12-0737-15-A	12/08/10 12:54	Solid	GC/MS UU	12/09/10	12/10/10 20:48	101210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
1,2-Dibromoethane	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
1,2-Dichloroethane	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	96	63-141			1,2-Dichloroethane-d4	101	62-146		
Toluene-d8	99	80-120			1,4-Bromofluorobenzene	96	60-132		
Toluene-d8-TPPH	98	87-111							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DP-3-3.5	10-12-0737-16-A	12/08/10 12:58	Solid	GC/MS UU	12/09/10	12/10/10 21:15	101210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
1,2-Dibromoethane	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
1,2-Dichloroethane	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	98	63-141			1,2-Dichloroethane-d4	102	62-146		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	92	60-132		
Toluene-d8-TPPH	99	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	12/09/10
5900 Hollis Street, Suite A	Work Order No:	10-12-0737
Emeryville, CA 94608-2008	Preparation:	EPA 5030C
	Method:	LUFT GC/MS / EPA 8260B
	Units:	mg/kg

Project: 3600 Park Boulevard, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
P-5-3	10-12-0737-17-A	12/08/10 13:01	Solid	GC/MS UU	12/09/10	12/11/10 04:05	101210L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
1,2-Dibromoethane	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
1,2-Dichloroethane	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	97	63-141			1,2-Dichloroethane-d4	100	62-146		
Toluene-d8	98	80-120			1,4-Bromofluorobenzene	96	60-132		
Toluene-d8-TPPH	97	87-111							

DP-4-3.5	10-12-0737-18-A	12/08/10 13:04	Solid	GC/MS UU	12/09/10	12/11/10 16:01	101211L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Methyl-t-Butyl Ether (MTBE)	ND	0.50	100	
1,2-Dibromoethane	ND	0.50	100		Tert-Butyl Alcohol (TBA)	ND	5.0	100	
1,2-Dichloroethane	ND	0.50	100		Diisopropyl Ether (DIPE)	ND	1.0	100	
Ethylbenzene	ND	0.50	100		Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	
Toluene	ND	0.50	100		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	
Xylenes (total)	ND	0.50	100		TPPH	230	50	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	89	63-141			1,2-Dichloroethane-d4	92	62-146		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	98	60-132		
Toluene-d8-TPPH	100	87-111							

P-6-3.5	10-12-0737-19-A	12/08/10 13:06	Solid	GC/MS UU	12/09/10	12/11/10 04:32	101210L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
1,2-Dibromoethane	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
1,2-Dichloroethane	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	0.021	0.0050	1		TPPH	ND	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	98	63-141			1,2-Dichloroethane-d4	102	62-146		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	100	60-132		
Toluene-d8-TPPH	99	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/09/10
Work Order No: 10-12-0737
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

Project: 3600 Park Boulevard, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-798-1,330	N/A	Solid	GC/MS UU	12/10/10	12/10/10 13:30	101210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
1,2-Dibromoethane	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
1,2-Dichloroethane	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	92	63-141			1,2-Dichloroethane-d4	94	62-146		
Toluene-d8	96	80-120			1,4-Bromofluorobenzene	97	60-132		
Toluene-d8-TPPH	95	87-111							

Method Blank	099-12-798-1,331	N/A	Solid	GC/MS UU	12/10/10	12/11/10 01:21	101210L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
1,2-Dibromoethane	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
1,2-Dichloroethane	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	63-141			1,2-Dichloroethane-d4	102	62-146		
Toluene-d8	98	80-120			1,4-Bromofluorobenzene	99	60-132		
Toluene-d8-TPPH	97	87-111							

Method Blank	099-12-798-1,335	N/A	Solid	GC/MS UU	12/11/10	12/11/10 13:17	101211L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Methyl-t-Butyl Ether (MTBE)	ND	0.50	100	
1,2-Dibromoethane	ND	0.50	100		Tert-Butyl Alcohol (TBA)	ND	5.0	100	
1,2-Dichloroethane	ND	0.50	100		Diisopropyl Ether (DIPE)	ND	1.0	100	
Ethylbenzene	ND	0.50	100		Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	
Toluene	ND	0.50	100		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	
Xylenes (total)	ND	0.50	100		TPPH	ND	50	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	94	63-141			1,2-Dichloroethane-d4	102	62-146		
Toluene-d8	98	80-120			1,4-Bromofluorobenzene	96	60-132		
Toluene-d8-TPPH	97	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received: 12/09/10
5900 Hollis Street, Suite A	Work Order No: 10-12-0737
Emeryville, CA 94608-2008	Preparation: EPA 3010A Total
	Method: EPA 6010B

Project: 3600 Park Boulevard, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
UST-W1	10-12-0737-1-D	12/08/10 11:50	Aqueous	ICP 5300	12/10/10	12/14/10 13:30	101210LA2

Parameter	Result	RL	DF	Qual	Units
Lead	0.112	0.0100	1		mg/L

Method Blank	097-01-003-11,216	N/A	Aqueous	ICP 5300	12/10/10	12/11/10 13:49	101210LA2

Parameter	Result	RL	DF	Qual	Units
Lead	ND	0.0100	1		mg/L

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	12/09/10
5900 Hollis Street, Suite A		Work Order No:	10-12-0737
Emeryville, CA 94608-2008		Preparation:	EPA 3050B
		Method:	EPA 6010B

Project: 3600 Park Boulevard, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
UST-1-2.5	10-12-0737-2-A	12/08/10 12:02	Solid	ICP 5300	12/10/10	12/10/10 19:58	101210L02

Parameter	Result	RL	DF	Qual	Units
Lead	27.0	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
UST-2-2.5	10-12-0737-3-A	12/08/10 12:04	Solid	ICP 5300	12/10/10	12/10/10 19:59	101210L02

Parameter	Result	RL	DF	Qual	Units
Lead	5.85	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
UST-3-2.5	10-12-0737-4-A	12/08/10 12:06	Solid	ICP 5300	12/10/10	12/10/10 20:00	101210L02

Parameter	Result	RL	DF	Qual	Units
Lead	6.08	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
UST-4-2.5	10-12-0737-5-A	12/08/10 12:09	Solid	ICP 5300	12/10/10	12/10/10 20:02	101210L02

Parameter	Result	RL	DF	Qual	Units
Lead	5.86	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
UST-5-2.5	10-12-0737-6-A	12/08/10 12:15	Solid	ICP 5300	12/10/10	12/10/10 20:03	101210L02

Parameter	Result	RL	DF	Qual	Units
Lead	12.3	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
UST-6-2.5	10-12-0737-7-A	12/08/10 12:24	Solid	ICP 5300	12/10/10	12/10/10 20:07	101210L02

Parameter	Result	RL	DF	Qual	Units
Lead	6.08	0.500	1		mg/kg

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	12/09/10
5900 Hollis Street, Suite A	Work Order No:	10-12-0737
Emeryville, CA 94608-2008	Preparation:	EPA 3050B
	Method:	EPA 6010B

Project: 3600 Park Boulevard, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
UST-7-2.5	10-12-0737-8-A	12/08/10 12:28	Solid	ICP 5300	12/10/10	12/10/10 20:09	101210L02

Parameter	Result	RL	DF	Qual	Units
Lead	9.36	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
UST-8-2.5	10-12-0737-9-A	12/08/10 12:35	Solid	ICP 5300	12/10/10	12/10/10 20:10	101210L02

Parameter	Result	RL	DF	Qual	Units
Lead	25.3	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
P-1-5	10-12-0737-10-A	12/08/10 12:39	Solid	ICP 5300	12/10/10	12/10/10 20:12	101210L02

Parameter	Result	RL	DF	Qual	Units
Lead	6.50	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
P-2-5	10-12-0737-11-A	12/08/10 12:42	Solid	ICP 5300	12/10/10	12/10/10 20:13	101210L02

Parameter	Result	RL	DF	Qual	Units
Lead	5.83	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
P-3-5	10-12-0737-12-A	12/08/10 12:44	Solid	ICP 5300	12/10/10	12/10/10 20:15	101210L02

Parameter	Result	RL	DF	Qual	Units
Lead	12.3	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DP-1-3.5	10-12-0737-13-A	12/08/10 12:48	Solid	ICP 5300	12/10/10	12/10/10 20:16	101210L02

Parameter	Result	RL	DF	Qual	Units
Lead	3.33	0.500	1		mg/kg

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received: 12/09/10
5900 Hollis Street, Suite A	Work Order No: 10-12-0737
Emeryville, CA 94608-2008	Preparation: EPA 3050B
	Method: EPA 6010B

Project: 3600 Park Boulevard, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
P-4-2.5	10-12-0737-14-A	12/08/10 12:50	Solid	ICP 5300	12/10/10	12/10/10 20:18	101210L02

Parameter	Result	RL	DF	Qual	Units
Lead	7.63	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DP-2-3.5	10-12-0737-15-A	12/08/10 12:54	Solid	ICP 5300	12/10/10	12/10/10 20:19	101210L02

Parameter	Result	RL	DF	Qual	Units
Lead	5.11	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DP-3-3.5	10-12-0737-16-A	12/08/10 12:58	Solid	ICP 5300	12/10/10	12/10/10 20:21	101210L02

Parameter	Result	RL	DF	Qual	Units
Lead	5.79	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
P-5-3	10-12-0737-17-A	12/08/10 13:01	Solid	ICP 5300	12/10/10	12/10/10 20:25	101210L02

Parameter	Result	RL	DF	Qual	Units
Lead	6.13	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DP-4-3.5	10-12-0737-18-A	12/08/10 13:04	Solid	ICP 5300	12/10/10	12/10/10 20:26	101210L02

Parameter	Result	RL	DF	Qual	Units
Lead	6.63	0.500	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
P-6-3.5	10-12-0737-19-A	12/08/10 13:06	Solid	ICP 5300	12/10/10	12/10/10 20:28	101210L02

Parameter	Result	RL	DF	Qual	Units
Lead	4.83	0.500	1		mg/kg

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	12/09/10
5900 Hollis Street, Suite A	Work Order No:	10-12-0737
Emeryville, CA 94608-2008	Preparation:	EPA 3050B
	Method:	EPA 6010B

Project: 3600 Park Boulevard, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-14,421**	**N/A**	**Solid**	**ICP 5300**	**12/10/10**	**12/10/10 19:39**	**101210L02**

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

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 12/09/10
Work Order No: 10-12-0737
Preparation: EPA 3005A Filt.
Method: EPA 6010B

Project 3600 Park Boulevard, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-12-0832-2	Aqueous	ICP 5300	12/10/10	12/11/10	101210SA2

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	103	104	84-120	1	0-7	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 12/09/10
5900 Hollis Street, Suite A	Work Order No: 10-12-0737
Emeryville, CA 94608-2008	Preparation: EPA 3050B
	Method: EPA 6010B

Project 3600 Park Boulevard, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
P-1-5	Solid	ICP 5300	12/10/10	12/10/10	101210S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	103	103	75-125	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 12/09/10
Work Order No: 10-12-0737
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B

Project 3600 Park Boulevard, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-12-0561-1	Aqueous	GC/MS RR	12/11/10	12/11/10	101211S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	90	87	78-120	2	0-20	
Carbon Tetrachloride	87	85	67-139	2	0-20	
Chlorobenzene	94	92	80-120	3	0-20	
1,2-Dibromoethane	95	94	80-123	2	0-20	
1,2-Dichlorobenzene	94	91	76-120	3	0-20	
1,2-Dichloroethane	96	93	76-130	4	0-20	
1,1-Dichloroethene	88	85	70-130	3	0-27	
Ethylbenzene	93	91	73-127	2	0-20	
Toluene	92	89	72-126	3	0-20	
Trichloroethene	91	89	74-122	2	0-20	
Vinyl Chloride	102	95	65-131	7	0-24	
Methyl-t-Butyl Ether (MTBE)	89	86	69-123	4	0-20	
Tert-Butyl Alcohol (TBA)	97	98	65-131	1	0-22	
Diisopropyl Ether (DIPE)	95	89	68-128	6	0-22	
Ethyl-t-Butyl Ether (ETBE)	92	88	69-123	4	0-21	
Tert-Amyl-Methyl Ether (TAME)	90	87	70-124	3	0-20	
Ethanol	98	98	41-155	0	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 12/09/10
Work Order No: 10-12-0737
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B

Project 3600 Park Boulevard, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
UST-2-2.5	Solid	GC/MS UU	12/09/10	12/10/10	101210S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	103	97	61-127	7	0-20	
Carbon Tetrachloride	100	95	51-135	5	0-29	
Chlorobenzene	101	92	57-123	9	0-20	
1,2-Dibromoethane	99	94	64-124	6	0-20	
1,2-Dichlorobenzene	100	95	35-131	5	0-25	
1,2-Dichloroethane	94	90	80-120	4	0-20	
1,1-Dichloroethene	95	101	47-143	6	0-25	
Ethylbenzene	104	97	57-129	7	0-22	
Toluene	99	96	63-123	2	0-20	
Trichloroethene	100	95	44-158	5	0-20	
Vinyl Chloride	95	93	49-139	3	0-47	
Methyl-t-Butyl Ether (MTBE)	88	89	57-123	1	0-21	
Tert-Butyl Alcohol (TBA)	97	90	30-168	7	0-34	
Diisopropyl Ether (DIPE)	90	91	57-129	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	84	86	55-127	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	86	88	58-124	2	0-20	
Ethanol	112	103	17-167	8	0-47	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 12/09/10
Work Order No: 10-12-0737
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B

Project 3600 Park Boulevard, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
P-4-2.5	Solid	GC/MS UU	12/09/10	12/11/10	101210S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	93	61-127	4	0-20	
Carbon Tetrachloride	97	92	51-135	5	0-29	
Chlorobenzene	95	85	57-123	11	0-20	
1,2-Dibromoethane	98	86	64-124	13	0-20	
1,2-Dichlorobenzene	92	85	35-131	8	0-25	
1,2-Dichloroethane	94	87	80-120	8	0-20	
1,1-Dichloroethene	94	91	47-143	3	0-25	
Ethylbenzene	99	91	57-129	9	0-22	
Toluene	94	91	63-123	4	0-20	
Trichloroethene	95	91	44-158	5	0-20	
Vinyl Chloride	97	98	49-139	2	0-47	
Methyl-t-Butyl Ether (MTBE)	83	77	57-123	8	0-21	
Tert-Butyl Alcohol (TBA)	98	87	30-168	12	0-34	
Diisopropyl Ether (DIPE)	92	86	57-129	6	0-20	
Ethyl-t-Butyl Ether (ETBE)	81	75	55-127	7	0-20	
Tert-Amyl-Methyl Ether (TAME)	80	76	58-124	4	0-20	
Ethanol	110	93	17-167	17	0-47	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 12/09/10
Work Order No: 10-12-0737
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B

Project 3600 Park Boulevard, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-12-0601-8	Solid	GC/MS UU	12/08/10	12/11/10	101211S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	102	61-127	3	0-20	
Carbon Tetrachloride	95	104	51-135	8	0-29	
Chlorobenzene	96	99	57-123	3	0-20	
1,2-Dibromoethane	98	100	64-124	2	0-20	
1,2-Dichlorobenzene	96	98	35-131	2	0-25	
1,2-Dichloroethane	95	95	80-120	0	0-20	
1,1-Dichloroethene	92	96	47-143	4	0-25	
Ethylbenzene	101	106	57-129	4	0-22	
Toluene	98	103	63-123	5	0-20	
Trichloroethene	97	100	44-158	3	0-20	
Vinyl Chloride	94	106	49-139	12	0-47	
Methyl-t-Butyl Ether (MTBE)	75	84	57-123	11	0-21	
Tert-Butyl Alcohol (TBA)	102	101	30-168	0	0-34	
Diisopropyl Ether (DIPE)	85	93	57-129	9	0-20	
Ethyl-t-Butyl Ether (ETBE)	72	80	55-127	10	0-20	
Tert-Amyl-Methyl Ether (TAME)	79	82	58-124	4	0-20	
Ethanol	125	132	17-167	5	0-47	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 10-12-0737
Emeryville, CA 94608-2008	Preparation: EPA 3010A Total
	Method: EPA 6010B

Project: 3600 Park Boulevard, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-003-11,216	Aqueous	ICP 5300	12/10/10	12/11/10	101210LA2

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	107	107	80-120	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received:	N/A
5900 Hollis Street, Suite A	Work Order No:	10-12-0737
Emeryville, CA 94608-2008	Preparation:	EPA 3050B
	Method:	EPA 6010B

Project: 3600 Park Boulevard, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-14,421	Solid	ICP 5300	12/10/10	12/10/10	101210L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	108	108	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 10-12-0737
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B

Project: 3600 Park Boulevard, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-5,027	Aqueous	GC/MS RR	12/11/10	12/11/10	101211L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	95	93	80-120	73-127	2	0-20	
Carbon Tetrachloride	91	90	66-138	54-150	1	0-20	
Chlorobenzene	99	99	80-120	73-127	1	0-20	
1,2-Dibromoethane	100	98	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	100	100	80-120	73-127	0	0-20	
1,2-Dichloroethane	96	96	80-129	72-137	1	0-20	
1,1-Dichloroethene	91	89	71-131	61-141	2	0-20	
Ethylbenzene	99	98	80-123	73-130	1	0-20	
Toluene	94	93	79-121	72-128	1	0-20	
Trichloroethene	97	96	80-120	73-127	2	0-20	
Vinyl Chloride	99	96	70-136	59-147	3	0-20	
Methyl-t-Butyl Ether (MTBE)	91	89	72-126	63-135	3	0-22	
Tert-Butyl Alcohol (TBA)	91	90	71-125	62-134	0	0-25	
Diisopropyl Ether (DIPE)	95	93	69-129	59-139	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	94	91	69-129	59-139	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	92	92	67-133	56-144	1	0-20	
Ethanol	89	90	47-155	29-173	2	0-36	
TPPH	90	90	65-135	53-147	0	0-30	

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

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 10-12-0737
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B

Project: 3600 Park Boulevard, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-1,330	Solid	GC/MS UU	12/10/10	12/10/10	101210L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	99	97	78-120	71-127	2	0-20	
Carbon Tetrachloride	90	92	49-139	34-154	1	0-20	
Chlorobenzene	97	96	79-120	72-127	1	0-20	
1,2-Dibromoethane	98	98	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	100	99	75-120	68-128	1	0-20	
1,2-Dichloroethane	93	92	80-120	73-127	0	0-20	
1,1-Dichloroethene	86	86	74-122	66-130	0	0-20	
Ethylbenzene	99	99	76-120	69-127	1	0-20	
Toluene	96	97	77-120	70-127	1	0-20	
Trichloroethene	96	95	80-120	73-127	1	0-20	
Vinyl Chloride	95	98	68-122	59-131	3	0-20	
Methyl-t-Butyl Ether (MTBE)	88	91	77-120	70-127	3	0-20	
Tert-Butyl Alcohol (TBA)	98	94	68-122	59-131	4	0-20	
Diisopropyl Ether (DIPE)	89	91	78-120	71-127	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	87	89	78-120	71-127	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	93	93	75-120	68-128	0	0-20	
Ethanol	107	103	56-140	42-154	4	0-20	
TPPH	97	96	65-135	53-147	1	0-30	

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

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 10-12-0737
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B

Project: 3600 Park Boulevard, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-1,331	Solid	GC/MS UU	12/10/10	12/10/10	101210L03

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	99	101	78-120	71-127	2	0-20	
Carbon Tetrachloride	98	97	49-139	34-154	0	0-20	
Chlorobenzene	97	96	79-120	72-127	0	0-20	
1,2-Dibromoethane	100	101	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	96	96	75-120	68-128	1	0-20	
1,2-Dichloroethane	96	100	80-120	73-127	4	0-20	
1,1-Dichloroethene	98	98	74-122	66-130	0	0-20	
Ethylbenzene	98	99	76-120	69-127	2	0-20	
Toluene	98	98	77-120	70-127	0	0-20	
Trichloroethene	100	100	80-120	73-127	0	0-20	
Vinyl Chloride	99	102	68-122	59-131	3	0-20	
Methyl-t-Butyl Ether (MTBE)	88	90	77-120	70-127	2	0-20	
Tert-Butyl Alcohol (TBA)	95	104	68-122	59-131	9	0-20	
Diisopropyl Ether (DIPE)	96	95	78-120	71-127	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	84	84	78-120	71-127	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	85	86	75-120	68-128	2	0-20	
Ethanol	107	128	56-140	42-154	17	0-20	
TPPH	97	96	65-135	53-147	1	0-30	

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

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 10-12-0737
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B

Project: 3600 Park Boulevard, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-1,335	Solid	GC/MS UU	12/11/10	12/11/10	101211L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	101	99	78-120	71-127	2	0-20	
Carbon Tetrachloride	98	97	49-139	34-154	1	0-20	
Chlorobenzene	98	97	79-120	72-127	1	0-20	
1,2-Dibromoethane	101	99	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	104	97	75-120	68-128	7	0-20	
1,2-Dichloroethane	96	96	80-120	73-127	0	0-20	
1,1-Dichloroethene	92	94	74-122	66-130	2	0-20	
Ethylbenzene	100	99	76-120	69-127	0	0-20	
Toluene	99	98	77-120	70-127	1	0-20	
Trichloroethene	99	98	80-120	73-127	1	0-20	
Vinyl Chloride	100	103	68-122	59-131	2	0-20	
Methyl-t-Butyl Ether (MTBE)	90	90	77-120	70-127	1	0-20	
Tert-Butyl Alcohol (TBA)	99	91	68-122	59-131	8	0-20	
Diisopropyl Ether (DIPE)	96	95	78-120	71-127	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	85	86	78-120	71-127	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	86	86	75-120	68-128	0	0-20	
Ethanol	110	106	56-140	42-154	4	0-20	
TPPH	97	98	65-135	53-147	1	0-30	

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

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-12-0737

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

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

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: Peter Schaefer 240937

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

PO #:

SAP #: 1 3 5 6 8 9

DATE: 12-8-10

PAGE: 1 of 2

SAMPLING COMPANY: Conestoga-Rovers & Associates	LOG CODE: CRAW	SITE ADDRESS: Street and City: 3600 Park Boulevard, Oakland	State: CA	GLOBAL ID NO.: T0600115417
ADDRESS: 5900 Hollis Street, Suite A, Emeryville, CA 94608		EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville	PHONE NO.: 510-420-3343	E-MAIL: shell.em.edf@craworld.com	CONSULTANT PROJECT NO.: 240937-S01
PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer		SAMPLER NAME(S) (Print): Scott Lewis		LAB USE ONLY: 12-0737
TELEPHONE: 510-420-3319	FAX: 510-420-9170	E-MAIL: pschaefer@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 :

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

☑ 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)	TPHg (8015M)	BTEX (5260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	Full VOC list (8260B)	Single Compound: (8260B)	1,2-DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	total lead by EPA Method 6010	TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
1	UST-W1	12/8	1150	W						4	X						X			X	X			X	
2	UST-1-2.5	12/8	1202	S						1	X						X			X	X			X	
3	UST-2-2.5	"	1204	S						1	X						X			X	X			X	
4	UST-3-2.5	"	1206	S						1	X						X			X	X			X	
5	UST-4-2.5	"	1209	S						1	X						X			X	X			X	
6	UST-5-2.5	"	1215	S						1	X						X			X	X			X	
7	UST-6-2.5	"	1224	S						1	X						X			X	X			X	
8	UST-7-2.5	"	1228	S						1	X						X			X	X			X	
9	UST-8-2.5	"	1235	S						1	X						X			X	X			X	
1																									

Relinquished by: (Signature) Scott Lewis	Received by: (Signature) Emeryville office	Date: 12-8-10	Time: 1415
Relinquished by: (Signature)	Received by: (Signature) CEL	Date: 12-8-10	Time: ~~12:20~~ 1540
Relinquished by: (Signature) CEL 12/8/10 1730	Received by: (Signature)	Date: 12/9/10	Time: 1030

05/2/06 Revision

T1

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: Peter Schaefer 240937

INCIDENT # (ENV SERVICES)

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 12-8-10

PAGE: 2 of 2

PO #

SAP # 1 3 5 6 8 9

SAMPLING COMPANY: Conestoga-Rovers & Associates

LOG CODE: CRAW

SITE ADDRESS: Street and City: 3600 Park Boulevard, Oakland

State: CA

GLOBAL ID NO.: T0600115417

ADDRESS: 5900 Hollis Street, Suite A, Emeryville, CA 94608

EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville

PHONE NO.: 510-420-3343

E-MAIL: shell.em.edf@craworld.com

CONSULTANT PROJECT NO.: 240937-S01

PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer

TELEPHONE: 510-420-3319

FAX: 510-420-9170

E-MAIL: pschaefer@craworld.com

SAMPLER NAME(S) (Print): Scott Lewis

LAB USE ONLY: 12-0837

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

☐ 1A - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

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

- ☑ 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)	TPHg (8015M)	BTEX (5260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	Full VOC list (8260B)	Single Compound: (8260B)	1,2-DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	total lead by EPA Method 6010	TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
10	P-1-5	12/8	1239	S						1	X						X			X	X			X	
11	P-2-5		1242								X						X			X	X			X	
12	P-3-5		1244								X						X			X	X			X	
13	DP-1-3.5		1248								X						X			X	X			X	
14	P-4-2.5		1250								X						X			X	X			X	
15	DP-2-3.5		1259								X						X			X	X			X	
16	DP-3-3.5		1258								X						X			X	X			X	
17	P-5-3½ SL		1301								X						X			X	X			X	
18	DP-4-3.5		1304								X						X			X	X			X	
19	P-6-3.5		1306								X						X			X	X			X	

Relinquished by: (Signature) Scott Lewis	Received by: (Signature) Emeryville office	Date: 12-8-10	Time: 1411
Relinquished by: (Signature)	Received by: (Signature) CEL	Date: 12-8-10	Time: 1520 1540
Relinquished by: (Signature) CEL 12/8/10 1730	Received by: (Signature)	Date: 12/9/10	Time: 1030

05/2/06 Revision

0737

GSO

WebShip > > > > >

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

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

COD:
$0.00

Reference:
CRA

Delivery Instructions:

Signature Type:
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Tracking #: 515516089

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Print Date : 12/08/10 16:29 PM

Package 1 of 1

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

LABEL INSTRUCTIONS:

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

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

STEP 2 - Fold this page in half.

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

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

ADDITIONAL OPTIONS:

Send Label Via Email | Create Return Label

TERMS AND CONDITIONS:

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

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-12-0737

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: CRA DATE: 12/09/10

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

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

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

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

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

Ambient Temperature: ☐ Air ☐ Filter Initial: JF

CUSTODY SEALS INTACT:

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

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

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

CONTAINER TYPE:

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

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

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

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

Preservative: h: HCL n: HNO_3 na_2:$Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** _____

Calscience
Environmental
Laboratories, Inc.

December 14, 2010

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

Subject: **Calscience Work Order No.: 10-12-0738**
Client Reference: 3600 Park Boulevard, Oakland, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 12/9/2010 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/09/10
Work Order No: 10-12-0738
Preparation: EPA 3550B
Method: EPA 8015B

Project: 3600 Park Boulevard, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-P	10-12-0738-9-A	12/08/10 00:00	Solid	GC 47	12/09/10	12/09/10 20:47	101209B09

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	101	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-T	10-12-0738-10-A	12/08/10 00:00	Solid	GC 47	12/09/10	12/09/10 21:02	101209B09

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

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-025-1,612	N/A	Solid	GC 47	12/09/10	12/09/10 18:18	101209B09

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

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

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/09/10
Work Order No: 10-12-0738
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: 3600 Park Boulevard, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-P	10-12-0738-9-A	12/08/10 00:00	Solid	GC 47	12/09/10	12/09/10 20:47	101209B10

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	101	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-T	10-12-0738-10-A	12/08/10 00:00	Solid	GC 47	12/09/10	12/09/10 21:02	101209B10

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

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-254-1,787	N/A	Solid	GC 47	12/09/10	12/09/10 18:18	101209B10

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

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

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/09/10
Work Order No: 10-12-0738
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

Project: 3600 Park Boulevard, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-P	10-12-0738-9-A	12/08/10 00:00	Solid	GC/MS UU	12/09/10	12/10/10 02:02	101209L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
1,2-Dibromoethane	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
1,2-Dichloroethane	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	93	63-141			1,2-Dichloroethane-d4	92	62-146		
Toluene-d8	96	80-120			1,4-Bromofluorobenzene	94	60-132		
Toluene-d8-TPPH	96	87-111							

SP-T	10-12-0738-10-A	12/08/10 00:00	Solid	GC/MS UU	12/09/10	12/10/10 03:52	101209L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
1,2-Dibromoethane	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
1,2-Dichloroethane	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	96	63-141			1,2-Dichloroethane-d4	96	62-146		
Toluene-d8	97	80-120			1,4-Bromofluorobenzene	95	60-132		
Toluene-d8-TPPH	96	87-111							

Method Blank	099-12-798-1,329	N/A	Solid	GC/MS UU	12/09/10	12/10/10 01:07	101209L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
1,2-Dibromoethane	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
1,2-Dichloroethane	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		TPPH	ND	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	92	63-141			1,2-Dichloroethane-d4	93	62-146		
Toluene-d8	98	80-120			1,4-Bromofluorobenzene	97	60-132		
Toluene-d8-TPPH	97	87-111							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/09/10
Work Order No: 10-12-0738
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: 3600 Park Boulevard, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-P	10-12-0738-9-A	12/08/10 00:00	Solid	ICP 5300	12/10/10	12/10/10 19:46	101210L01

Comment(s): -Mercury analysis was performed on 12/10/10 11:53 with batch 101210L01.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	2.40	0.750	1		Molybdenum	ND	0.250	1	
Barium	64.3	0.500	1		Nickel	41.1	0.250	1	
Beryllium	ND	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	19.9	0.250	1		Thallium	ND	0.750	1	
Cobalt	6.24	0.250	1		Vanadium	15.9	0.250	1	
Copper	11.4	0.500	1		Zinc	56.9	1.00	1	
Lead	4.92	0.500	1						

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-T	10-12-0738-10-A	12/08/10 00:00	Solid	ICP 5300	12/10/10	12/10/10 19:50	101210L01

Comment(s): -Mercury analysis was performed on 12/10/10 11:55 with batch 101210L01.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	0.132	0.0835	1	
Arsenic	2.81	0.750	1		Molybdenum	ND	0.250	1	
Barium	60.2	0.500	1		Nickel	29.9	0.250	1	
Beryllium	ND	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	17.3	0.250	1		Thallium	ND	0.750	1	
Cobalt	5.50	0.250	1		Vanadium	16.8	0.250	1	
Copper	13.5	0.500	1		Zinc	44.5	1.00	1	
Lead	5.38	0.500	1						

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-04-007-7,728	N/A	Solid	Mercury	12/10/10	12/10/10 11:24	101210L01

Comment(s): -Preparation/analysis for Mercury was performed by EPA 7471A.

Parameter	Result	RL	DF	Qual
Mercury	ND	0.0835	1	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	097-01-002-14,420	N/A	Solid	ICP 5300	12/10/10	12/10/10 17:33	101210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Lead	ND	0.500	1	
Arsenic	ND	0.750	1		Molybdenum	ND	0.250	1	
Barium	ND	0.500	1		Nickel	ND	0.250	1	
Beryllium	ND	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	ND	0.250	1		Thallium	ND	0.750	1	
Cobalt	ND	0.250	1		Vanadium	ND	0.250	1	
Copper	ND	0.500	1		Zinc	ND	1.00	1	

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received:	12/09/10
Work Order No:	10-12-0738
Preparation:	EPA 3050B
Method:	EPA 6010B

Project 3600 Park Boulevard, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-12-0751-3	Solid	ICP 5300	12/10/10	12/13/10	101210S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	26	27	50-115	7	0-20	3
Arsenic	95	96	75-125	1	0-20	
Barium	71	84	75-125	3	0-20	3
Beryllium	97	100	75-125	3	0-20	
Cadmium	94	94	75-125	1	0-20	
Chromium	103	107	75-125	3	0-20	
Cobalt	91	92	75-125	1	0-20	
Copper	101	103	75-125	2	0-20	
Lead	94	95	75-125	1	0-20	
Molybdenum	86	87	75-125	1	0-20	
Nickel	96	101	75-125	4	0-20	
Selenium	92	93	75-125	1	0-20	
Silver	101	104	75-125	3	0-20	
Thallium	84	86	75-125	2	0-20	
Vanadium	101	105	75-125	3	0-20	
Zinc	93	97	75-125	2	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 12/09/10
5900 Hollis Street, Suite A	Work Order No: 10-12-0738
Emeryville, CA 94608-2008	Preparation: EPA 3550B
	Method: EPA 8015B

Project 3600 Park Boulevard, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-12-0732-1	Solid	GC 47	12/09/10	12/09/10	101209S09

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	104	105	64-130	1	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 12/09/10
5900 Hollis Street, Suite A	Work Order No: 10-12-0738
Emeryville, CA 94608-2008	Preparation: EPA 3550B
	Method: EPA 8015B (M)

Project 3600 Park Boulevard, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-12-0732-1	Solid	GC 47	12/09/10	12/09/10	101209S10

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	98	104	64-130	6	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Conestoga-Rovers & Associates	Date Received: 12/09/10
5900 Hollis Street, Suite A	Work Order No: 10-12-0738
Emeryville, CA 94608-2008	Preparation: EPA 7471A Total
	Method: EPA 7471A

Project 3600 Park Boulevard, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-12-0751-3	Solid	Mercury	12/10/10	12/10/10	101210S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	91	90	71-137	1	0-14	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 12/09/10
Work Order No: 10-12-0738
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B

Project 3600 Park Boulevard, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SP-P	Solid	GC/MS UU	12/09/10	12/10/10	101209S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	92	88	61-127	5	0-20	
Carbon Tetrachloride	92	86	51-135	6	0-29	
Chlorobenzene	83	78	57-123	7	0-20	
1,2-Dibromoethane	97	92	64-124	5	0-20	
1,2-Dichlorobenzene	83	75	35-131	10	0-25	
1,2-Dichloroethane	89	86	80-120	3	0-20	
1,1-Dichloroethene	86	90	47-143	5	0-25	
Ethylbenzene	77	72	57-129	7	0-22	
Toluene	86	79	63-123	8	0-20	
Trichloroethene	135	129	44-158	5	0-20	
Vinyl Chloride	95	88	49-139	8	0-47	
Methyl-t-Butyl Ether (MTBE)	98	89	57-123	9	0-21	
Tert-Butyl Alcohol (TBA)	99	91	30-168	8	0-34	
Diisopropyl Ether (DIPE)	93	87	57-129	7	0-20	
Ethyl-t-Butyl Ether (ETBE)	94	87	55-127	7	0-20	
Tert-Amyl-Methyl Ether (TAME)	95	90	58-124	6	0-20	
Ethanol	68	64	17-167	7	0-47	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 10-12-0738
Preparation: EPA 3050B
Method: EPA 6010B

Project: 3600 Park Boulevard, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-14,420	Solid	ICP 5300	12/10/10	12/10/10	101210L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Antimony	103	102	80-120	73-127	1	0-20	
Arsenic	99	97	80-120	73-127	3	0-20	
Barium	103	102	80-120	73-127	1	0-20	
Beryllium	97	95	80-120	73-127	1	0-20	
Cadmium	102	103	80-120	73-127	1	0-20	
Chromium	101	101	80-120	73-127	0	0-20	
Cobalt	105	106	80-120	73-127	1	0-20	
Copper	99	99	80-120	73-127	1	0-20	
Lead	107	106	80-120	73-127	1	0-20	
Molybdenum	100	99	80-120	73-127	1	0-20	
Nickel	108	106	80-120	73-127	2	0-20	
Selenium	95	94	80-120	73-127	1	0-20	
Silver	101	99	80-120	73-127	1	0-20	
Thallium	102	100	80-120	73-127	2	0-20	
Vanadium	97	96	80-120	73-127	1	0-20	
Zinc	103	102	80-120	73-127	1	0-20	

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

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 10-12-0738
Emeryville, CA 94608-2008	Preparation: EPA 3550B
	Method: EPA 8015B

Project: 3600 Park Boulevard, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-025-1,612	Solid	GC 47	12/09/10	12/09/10	101209B09

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	81	82	75-123	1	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 10-12-0738
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: 3600 Park Boulevard, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-254-1,787	Solid	GC 47	12/09/10	12/09/10	101209B10

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	93	83	75-123	11	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received:	N/A
Work Order No:	10-12-0738
Preparation:	EPA 7471A Total
Method:	EPA 7471A

Project: 3600 Park Boulevard, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-007-7,728	Solid	Mercury	12/10/10	12/10/10	101210L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	102	102	85-121	0	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 10-12-0738
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B

Project: 3600 Park Boulevard, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-1,329	Solid	GC/MS UU	12/09/10	12/09/10	101209L03

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	98	90	78-120	71-127	9	0-20	
Carbon Tetrachloride	92	89	49-139	34-154	4	0-20	
Chlorobenzene	95	90	79-120	72-127	5	0-20	
1,2-Dibromoethane	97	94	80-120	73-127	4	0-20	
1,2-Dichlorobenzene	94	87	75-120	68-128	7	0-20	
1,2-Dichloroethane	91	83	80-120	73-127	9	0-20	
1,1-Dichloroethene	90	86	74-122	66-130	4	0-20	
Ethylbenzene	99	92	76-120	69-127	7	0-20	
Toluene	94	92	77-120	70-127	2	0-20	
Trichloroethene	93	90	80-120	73-127	3	0-20	
Vinyl Chloride	99	98	68-122	59-131	2	0-20	
Methyl-t-Butyl Ether (MTBE)	99	95	77-120	70-127	4	0-20	
Tert-Butyl Alcohol (TBA)	96	90	68-122	59-131	7	0-20	
Diisopropyl Ether (DIPE)	92	91	78-120	71-127	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	97	93	78-120	71-127	4	0-20	
Tert-Amyl-Methyl Ether (TAME)	101	98	75-120	68-128	4	0-20	
Ethanol	84	88	56-140	42-154	4	0-20	
TPPH	91	93	65-135	53-147	2	0-30	

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

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-12-0738

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

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

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: Peter Schaefer 240937

INCIDENT # (ENV SERVICES)

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 12-8-10

PO #

SAP # 1 3 5 6 8 9

PAGE: 1 of 2

SAMPLING COMPANY: Conestoga-Rovers & Associates

LOG CODE: CRAW

SITE ADDRESS: Street and City: 3600 Park Boulevard, Oakland

State: CA

GLOBAL ID NO.: T0600115417

ADDRESS: 5900 Hollis St., Suite A, Emeryville, California 95476

EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville

PHONE NO.: 510-420-3343

E-MAIL: sonomaedf@craworld.com

CONSULTANT PROJECT NO.: 240937-S01

PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer

TELEPHONE: 510-420-3319

FAX: 510-420-9170

E-MAIL: pschaefer@craworld.com

SAMPLER NAME(S) (Print): Scott Lewis

LAB USE ONLY: 12-0738

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:

cc: Kari Dupler, kdupler@craworld.com and Shell.Lab.Billing@craworld.com

Marked TAT except for those contingent tests needed for Aquatic Bioassay determination (5 day TAT or better may apply)

Call composite sample IDs and field point names SP-P + SP-T

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	TPH - MO (8015M)	CAM 17 Metals - Total (6010)	SVOCs (8270C)	VOCs (8260)	PCBs (8082)		TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
1	SP-P1	12/8	1345	SO						1	X	X	X	X						X	X			X	X					Please call
2	SP-P2		1316	SO						1	X	X	X	X						X	X			X	X					composite
3	SP-P3		1317	SO						1	X	X	X	X						X	X			X	X					sample
4	SP-P4		1318	SO						1	X	X	X	X						X	X			X	X					SP-P
5	SP-T1	12/8	1319	SO						1	X	X	X	X						X	X			X	X					Call composite
6	SP-T2		1320	SO						1	X	X	X	X						X	X			X	X					SP-T
7	SP-T3		1321	SO						1	X	X	X	X						X	X			X	X					
8	SP-T4		1322	SO						1	X	X	X	X						X	X			X	X					

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	Emeryville office	12-8-10	1415
[signature]	[signature] CEC	12-8-10	1540 1420
[signature] to GSO 12/8/10 1730	[signature]	12/9/10	1030

05/2/06 Revision

0738

Contingent analyses

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

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

GSO

WebShip > > > > >

800-322-5555 www.gso.com

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

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

COD:
$0.00

Reference:
CRA

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 515516089

NPS

ORC

D

GARDEN GROVE

D92843A

86953464

Print Date : 12/08/10 16:29 PM

Package 1 of 1

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

LABEL INSTRUCTIONS:

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

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

STEP 2 - Fold this page in half.

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

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

ADDITIONAL OPTIONS:

Send Label Via Email | Create Return Label

TERMS AND CONDITIONS:

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

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-12-0738

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: CRA

DATE: 12/09/10

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

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

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

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

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

Ambient Temperature: ☐ Air ☐ Filter Initial: JH

CUSTODY SEALS INTACT:

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

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

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

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (5) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na_2** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na_2** ☐1AGB**s** ☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na** ☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na_2** ☐_____ ☐_____ ☐_____

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

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

Preservative: h: HCL n: HNO_3 na_2: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** PS

APPENDIX B

BILLS OF LADING

STRAIGHT BILL OF LADING – ORIGINAL – NOT NEGOTIABLE

Shipper's No. _____

Carrier PHILLIP WEST INDUSTRIAL SERVICES SCAC _____ Carrier's No. _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request; and all applicable state and federal regulations;

at 395 WEST CHANNEL RD., date _____ from BENICIA, CA 94510

the Property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination, if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

TO:	FROM:
Consignee SHELL OIL PRODUCTS US MARTINEZ REFINERY	Shipper SERVICE STATION
Street 1801 MARINA VISTA	Street 3600 Park Blvd
Destination MARTINEZ, CA Zip 94303	Origin Oakland , CA Zip 94610
Route	

Delivering Carrier	Vehicle Number	U.S. DOT Hazmat Reg. No.
PSC		

Number and Type of Packages	HM	I.D. Number	Description of Articles	Hazard Class	Pkg. Grp.	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
1TT	X	UN1203	GASOLINE MIXTURE, ERG#128	3	II	4500	GAL.	
			Contains water with <10% oil bearing materials and may include extracted Groundwater from service station facilities that would be non-hazardous under Federal and State Waste classification criteria.					
			SOP US Martinez Refinery Receiving Gate to direct driver to the Effluent Treatment Plant Operator (x3202) For Offloading directions					
			SAP / INCIDENT #: RIPR #: CRA:					

12-1-10

Remit COD to:
Address:
City: State: Zip:

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

COD AMT: $

TOTAL CHARGES: $

COD FEE: Prepaid ☐ Collect ☐ $

FREIGHT CHARGES: ☐ Prepaid ☐ Collect

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. Per

PLACARDS REQUIRED YES

PLACARDS SUPPLIED ☐ BY SHIPPER ☒ BY CARRIER

DRIVER'S SIGNATURE:

SHIPPER: SHELL OIL PRODUCTS US In behalf of Shell CARRIER: PHILLIP WEST INDUSTRIAL SERVICES 12-1-10

PER: DATE: 12/1/10 PER: Travis Co Crew DATE:

EMERGENCY RESPONSE TELEPHONE NUMBER: (800) 800-7472

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

HIP/REC 1

RECEIVING REPORT

DATE	CARRIER—INITIAL AND NUMBER	PURCHASE ORDER NUMBER
12/1 1 10	PSC 326 / 1420	8556

KEY PUNCH COLS 21-51 ☐

RECEIVED FROM—

20209	Shell OPUS
20309	3600 Port Blvd
20409	Oakland, CA
20509	

FOR TREASURY USE ONLY

CUST CARD ID 1-3	PROD CARD ID 1-3	MISC CARD ID 1-3	ACCT OFF 4-5	REFERENCE/CONTROL NO. 6-11	KEY PUNCH COLS. 1-11 ON ALL CARDS
		415	42		

W/C NUMBER 21-31	REMARKS/P.O. NUMBER 38-48	CARRIER 68-72	FOB 78
— —			

TRANSACTION ▶ DATE 21-26 | CODE 27-28 | REVIEWED BY —

INSTRUCTIONS
Enter unloading information. Detach 3rd copy, forward 1 & 2 intact and supporting documents to Oil Movements.

PRODUCT CODE 12-16	CNTR CODE 17-19	TEMP 29-31	GRAVITY 32-36	QUANTITY (ENTER ONE) GROSS GALLONS 38-42	PACKAGES 30-35	SIZE AND KIND	PRODUCT DESCRIPTION
						bulk	water / trace of
							gasoline mixture
	76	040	LB	2109F	12 01	10	
	41	920	LB	3142F	2 01	10	
98000	010					55RSD	Steel Drums Returned

REMARKS
4096

WEIGHTS ▶ GROSS | TARE | NET 34120 net lb

PREPARED BY — B. Reed | RECEIVED BY —

DEPARTMENT APPROVAL — | TREASURY APPROVAL —

TYPE OF TRANSACTION (Check One)

REFINERY

☐ PURCHASE
☐ STOCK RECEIPT
☐ OTHER — Specify

CONTAINERIZATION

RETURNED PRODUCTS

☐ CLOSED — Customer not opened
☐ REFUSED — Customer refused delivery
☐ DAMAGED — Container unacceptable
☐ WRONG PROD — Wrong product loaded

Should have been —

☐ PLANT RETURN — non-containerization — return from plant.

Reason —

☐ OTHER — Specify

QUALITY VERIFICATION

☐ Quality OK
☐ Sample sent to laboratory for analysis: Stores will be advised later as to quality

TAG NUMBERS

STRAIGHT BILL OF LADING – ORIGINAL – NOT NEGOTIABLE

1011-0056

Shipper's No. _____

Carrier PHILLIP WEST INDUSTRIAL SERVICES SCAC _____ Carrier's No. _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request; and all applicable state and federal regulations;

at 395 WEST CHANNEL RD., date 12-1-10 from BENICIA, CA 94510

the Property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination, if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

TO:	FROM:
Consignee SHELL OIL PRODUCTS US MARTINEZ REFINERY	Shipper SERVICE STATION
Street 1801 MARINA VISTA	Street 3600 Park Blvd
Destination MARTINEZ, CA Zip 94303	Origin Oakland, CA Zip 94610
Route	

Delivering Carrier PSC | Vehicle Number 3264/142V | U.S. DOT Hazmat Reg. No.

Number and Type of Packages	HM	I.D. Number	Description of Articles	Hazard Class	Pkg. Grp.	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
1TT	X	UN1203	GASOLINE MIXTURE, ERG#128	3	II	4500	GAL.	
			Contains water with <10% oil bearing materials and may include extracted Groundwater from service station facilities that would be non-hazardous under Federal and State Waste classification criteria.					
			SOP US Martinez Refinery Receiving Gate to direct driver to the Effluent Treatment Plant Operator (x3202) For Offloading directions					
			SAP / INCIDENT #: RIPR #: CRA:					

Remit COD to:
Address:
City: State: Zip:

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. Per

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

COD AMT: $

TOTAL CHARGES: $

COD FEE: Prepaid ☐ Collect ☐ $

FREIGHT CHARGES: ☐ Prepaid ☐ Collect

PLACARDS REQUIRED YES | PLACARDS SUPPLIED ☐ BY SHIPPER ☒ BY CARRIER

DRIVER'S SIGNATURE:

SHIPPER: SHELL OIL PRODUCTS US On behalf of Shell
PER: _____ DATE: _____

CARRIER: PHILLIP WEST INDUSTRIAL SERVICES
PER: Francisco Cruz DATE: 12-1-10

EMERGENCY RESPONSE TELEPHONE NUMBER: (800) 800-7472

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

29-BLS-C3 969 (Rev. 2/07)

1

HIP/REC 1

RECEIVING REPORT

DATE	CARRIER—INITIAL AND NUMBER	PURCHASE ORDER NUMBER
12 11 VO	R.S.C. 3264-16P	K0056

KEY PUNCH COLS 21-51 ☐

RECEIVED FROM—

20209 Shell O.P.U.S.
20309 3600 Park Blvd.
20409 Oakland CA
20509

INSTRUCTIONS

Enter unloading information. Detach 3rd copy, forward 1 & 2 intact and supporting documents to Oil Movements.

TYPE OF TRANSACTION (Check One)

REFINERY

- ☐ PURCHASE
- ☐ STOCK RECEIPT
- ☐ OTHER — Specify

CONTAINERIZATION

RETURNED PRODUCTS

- ☐ CLOSED — Customer not opened
- ☐ REFUSED — Customer refused delivery
- ☐ DAMAGED — Container unacceptable
- ☐ WRONG PROD — Wrong product loaded

  Should have been —

- ☐ PLANT RETURN — non-containerization — return from plant.

  Reason —

- ☐ OTHER — Specify

FOR TREASURY USE ONLY

CUST CARD ID 1-3	PROD CARD ID 1-3	MISC CARD ID 1-3	ACCT OFF 4-5	REFERENCE/CONTROL NO. 6-11	KEY PUNCH COLS. 1-11 ON ALL CARDS
		415	42		

WIC NUMBER 21-31	REMARKS/P.O. NUMBER 38-48	CARRIER 68-72	FOB 78
— —			

TRANSACTION ▶ DATE 21-26 | CODE 27-28 | REVIEWED BY —

PRODUCT CODE 12-16	CNTR CODE 17-19	TEMP 29-31	GRAVITY 32-38	QUANTITY (ENTER ONE) GROSS GALLONS 38-42	QUANTITY (ENTER ONE) PACKAGES 30-35	SIZE AND KIND	PRODUCT DESCRIPTION
						Bulk	Gasoline mixture
	73760	LB	10:22A	12 01			
	41850	LB	12:07A	12 01	10		
98000	010					55RSD	Steel Drums Returned

REMARKS

3830

QUALITY VERIFICATION

- ☐ Quality OK
- ☐ Sample sent to laboratory for analysis: Stores will be advised later as to quality

TAG NUMBERS

WEIGHTS ▶ GROSS 73760 | TARE | NET 31900 16

PREPARED BY — Piazza

RECEIVED BY —

DEPARTMENT APPROVAL —

TREASURY APPROVAL —

STRAIGHT BILL OF LADING – ORIGINAL – NOT NEGOTIABLE

1012-0039

Shipper's No. _____

Carrier PHILLIP WEST INDUSTRIAL SERVICES SCAC _____ Carrier's No. _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request; and all applicable state and federal regulations;

at 395 WEST CHANNEL RD., date 12/22/10 from BENICIA, CA 94510

the Property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination, if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

TO:	FROM:
Consignee SHELL OIL PRODUCTS US MARTINEZ REFINERY	Shipper SERVICE STATION
Street 1801 MARINA VISTA	Street 3600 Park Blvd
Destination MARTINEZ, CA Zip 94303	Origin Oakland, CA Zip 94610
Route	

Delivering Carrier	Vehicle Number	U.S. DOT Hazmat Reg. No.
PSC	142-V	

Number and Type of Packages	HM	I.D. Number	Description of Articles	Hazard Class	Pkg. Grp.	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
1TT	X	UN1203	GASOLINE MIXTURE, ERG#128	3	II	~~4200~~ 3625	GAL.	
			Contains water with <10% oil bearing materials and may include extracted Groundwater from service station facilities that would be non-hazardous under Federal and State Waste classification criteria.					
			SOP US Martinez Refinery Receiving Gate to direct driver to the Effluent Treatment Plant Operator (x3202) For Offloading directions					
			SAP / INCIDENT #: RIPR #: 86549 CRA:					

Remit COD to:
Address:
City: State: Zip:

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. Per

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

COD AMT: $

TOTAL CHARGES: $

COD FEE: Prepaid ☐ Collect ☐ $

FREIGHT CHARGES: ☐ Prepaid ☐ Collect

PLACARDS REQUIRED YES

PLACARDS SUPPLIED ☐ BY SHIPPER ☒ BY CARRIER

DRIVER'S SIGNATURE:

SHIPPER: SHELL OIL PRODUCTS US
PER: X _____ DATE: 12/22/10

CARRIER: PHILLIP WEST INDUSTRIAL SERVICES
PER: Ron Owen DATE: 12/22/10

EMERGENCY RESPONSE TELEPHONE NUMBER: (800) 800-7472

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

29-BLS-C3 969 (Rev. 2/07)

SHIP/REC 1

RECEIVING REPORT

DATE	CARRIER—INITIAL AND NUMBER	PURCHASE ORDER NUMBER
12/22/10	PSC 3263-105	60057

KEY PUNCH COLS 21-51 ☐

RECEIVED FROM—

20209 Shell OPUS Service Station

20309 3600 Park Blvd

20409 Oakland, CA 94610

20509

FOR TREASURY USE ONLY

CUST CARD ID 1-3	PROD CARD ID 1-3	MISC CARD ID 1-3	ACCT OFF 4-5	REFERENCE/CONTROL NO. 6-11	KEY PUNCH COLS. 1-11 ON ALL CARDS
		415	42		

WIC NUMBER 21-31	REMARKS/P.O. NUMBER 38-48	CARRIER 68-72	FOB 78

TRANSACTION ▶ DATE 21-26 | CODE 27-28 | REVIEWED BY —

INSTRUCTIONS Enter unloading information. Detach 3rd copy, forward 1 & 2 intact and supporting documents to Oil Movements.

PRODUCT CODE 12-16	CNTR CODE 17-19	TEMP 29-31	GRAVITY 32-36	QUANTITY (ENTER ONE) GROSS GALLONS 38-42	PACKAGES 30-35	SIZE AND KIND	PRODUCT DESCRIPTION
						bulk	Water/Trace of
							gasoline mixture
	72680		LB	10F49A	12 22	10	
	42680		LB	1102A	12 22	10	
98000	010					55RSD	Steel Drums Returned

REMARKS 3625

WEIGHTS ▶ GROSS | TARE | NET 30,200 net lb

PREPARED BY — B. Reed | RECEIVED BY —

DEPARTMENT APPROVAL — | TREASURY APPROVAL —

TYPE OF TRANSACTION (Check One)

REFINERY

☐ PURCHASE

☐ STOCK RECEIPT

☐ OTHER — Specify

CONTAINERIZATION

RETURNED PRODUCTS

☐ CLOSED — Customer not opened

☐ REFUSED — Customer refused delivery

☐ DAMAGED — Container unacceptable

☐ WRONG PROD — Wrong product loaded

Should have been —

☐ PLANT RETURN — non-containerization — return from plant.

Reason —

☐ OTHER — Specify

QUALITY VERIFICATION

☐ Quality OK

☐ Sample sent to laboratory for analysis: Stores will be advised later as to quality

TAG NUMBERS

APPENDIX C

UNAUTHORIZED RELEASE REPORT

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY ☐ Yes ☒ No

HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ Yes ☒ No

REPORT DATE: 12/20/10

CASE #:

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFETY CODE.
SIGNED DATE

REPORTED BY

NAME OF INDIVIDUAL FILING REPORT: Denis Brown
PHONE: (707) 865-0251
SIGNATURE: Denis Brown 12/20/10

REPRESENTING: ☐ LOCAL AGENCY ☐ REGIONAL BOARD ☒ OWNER/OPERATOR ☐ OTHER
COMPANY OR AGENCY NAME: Shell Oil Products US

ADDRESS: 20945 S. Wilmington Avenue (STREET) Carson (CITY) CA (STATE) 90810 (ZIP)

RESPONSIBLE PARTY

NAME: Shell Oil Products US ☐ Unknown
CONTACT PERSON: Denis Brown
PHONE: (707) 865-0251

ADDRESS: 20945 S. Wilmington Avenue (STREET) Carson (CITY) CA (STATE) 90810 (ZIP)

SITE LOCATION

FACILITY NAME (IF APPLICABLE): Former Shell Service Station
OPERATOR:
PHONE: ( )

ADDRESS: 3600 Park Boulevard (STREET) Oakland (CITY) Alameda (COUNTY) 94610 (ZIP)

CROSS STREET: Chatham Road

IMPLEMENTING AGENCIES

LOCAL AGENCY AGENCY NAME: Alameda County Environmental Health - Jerry Wickham
PHONE: (510) 567-6791

REGIONAL BOARD: San Francisco Bay Regional Water Quality Control Board – Cherie McCaulou
PHONE: (510) 622-2342

SUBSTANCES INVOLVED

(1) NAME: Benzene - 26 ug/l (UST-W1) QUANTITY LOST (GALLONS): ☒ Unknown

(2) Lead - 112 ug/l (UST-W1) ☒ Unknown

DISCOVERY/ABATEMENT

DATE DISCOVERED: 12/15/2010
HOW DISCOVERED: ☐ Tank Test ☒ Tank Removal - Sample ☐ Nuisance Conditions ☐ Inventory Control ☐ Subsurface Monitoring ☐ Other

DATE DISCHARGE BEGAN: ☒ UNKNOWN

HAS DISCHARGE BEEN STOPPED? ☐ YES ☐ NO IF YES, DATE

METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)
☐ Remove Contents ☐ Close Tank ☐ Repair Tank ☐ Change Procedure ☐ Replace Tank ☒ Other – No active leak identified ☐ Repair Piping

SOURCE/CAUSE

SOURCE OF DISCHARGE: ☐ Tank Leak ☐ Piping Leak ☒ Unknown ☐ Other

CAUSE(S): ☐ Overfill ☐ Corrosion ☐ Rupture/Failure ☒ Unknown ☐ Spill ☐ Other

CASE TYPE

CHECK ONE ONLY
☐ Undetermined ☐ Soil Only ☒ Groundwater ☐ Drinking Water – (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS

CHECK ONE ONLY
☒ No Action Taken
☐ Leak Being Confirmed
☐ Remediation Plan
☐ Preliminary Site Assessment Workplan Submitted
☐ Preliminary Site Assessment Underway
☐ Case Closed (Cleanup Completed or Unnecessary)
☐ Pollution Characterization
☐ Post Cleanup Monitoring in Progress
☐ Cleanup Underway

REMEDIAL ACTION

CHECK APPROPRIATE ACTION(S)
☐ Cap Site (CD)
☐ Contamination Barrier (CB)
☐ Vacuum Extract (VE)
☐ Excavate & Dispose (ED)
☐ Excavate & Treat (ET)
☐ No Action Required (NA)
☐ Remove Free Product (FP)
☐ Pump & Treat Groundwater (GT)
☐ Treatment At Hookup (HU)
☐ Enhanced Bio Degradation (IT)
☐ Replace Supply (RS)
☐ Vent Soil (VS)
☒ Other – pending agency evaluation

COMMENTS

Soil and groundwater concentrations were found during underground storage tank removal including TPHg, BTEX, MTBE, and lead. CRA notified the Alameda County Environmental Health on 12/15/10 at 2:28 PM and spoke directly to Jerry Wickham. A report documenting the reported findings will be submitted to the agency within 30 days.