



**CONESTOGA-ROVERS
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TRANSMITTAL

DATE: October 1, 2014 REFERENCE NO.: 240467

PROJECT NAME: 1601 Webster Street, Alameda

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

RECEIVED

By Alameda County Environmental Health at 2:39 pm, Oct 09, 2014

Please find enclosed: Draft Final
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 Prints

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

QUANTITY	DESCRIPTION
1	Underground Storage Tank Removal Report

As Requested For Review and Comment
 For Your Use

COMMENTS:

If you have any questions regarding the contents of this document, please call the CRA project manager Peter Schaefer at (510) 420-3319 or the Shell program manager Marvin Katz at (310) 550-5846.

Copy to: Marvin Katz, Shell Oil Products US (electronic copy)
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Sacramento, CA 95818
James C. Kirschner, ATC Associates, Inc., 6602 Owens Drive, Suite 100, Pleasanton, CA
94588
Ed C. Ralston, ConocoPhillips Company (electronic copy)

Completed by: Peter Schaefer Signed: *Peter Schaefer*

Filing: Correspondence File



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

Shell Oil Products US
Soil and Groundwater Focus Delivery Group
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Carson, CA 90810
Tel (310) 550 5846
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Re: 1601 Webster Street
Alameda, California
SAP Code 135032
Incident No. 97564701
ACEH Case No. RO0002745

Dear Mr. Nowell:

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

As always, please feel free to contact me directly at (310) 550-5846 with any questions or concerns.

Sincerely,
Shell Oil Products US

A handwritten signature in cursive script that reads "Marvin Katz".

Marvin Katz
Senior Program Manager



UNDERGROUND STORAGE TANK REMOVAL REPORT

**SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET
ALAMEDA, CALIFORNIA**

**SAP CODE 135032
INCIDENT NO. 97564701
AGENCY NO. RO0002745**

**OCTOBER 1, 2014
REF. NO. 240467 (15)**

This report is printed on recycled paper.

**Prepared by:
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1.0 INTRODUCTION

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

The site is a Shell-branded service station located on the northwestern corner of Webster Street and Lincoln Avenue in a mixed commercial and residential area of Alameda, California (Figure 1). The site layout includes a station building, three gasoline underground storage tanks (USTs), and two dispenser islands (Figure 2).

2.0 SAMPLING ACTIVITIES AND SAMPLE ANALYSES

On May 16, 2014, Paradiso Mechanical, Inc. of San Leandro, California removed three 10,000-gallon gasoline USTs, product dispensers, and piping.

2.1 PERSONNEL PRESENT

- Barbara Jakub, Hazardous Materials Specialist, ACEH
- Keith Nowell, Hazardous Materials Specialist, ACEH
- Ken Jeffery, Senior Fire Code Compliance Officer, Alameda Fire Department
- Katherine Ward, Staff Geologist, CRA

2.2 SAMPLING DATE

May 16, 2014.

2.3 UST REMOVAL OBSERVATIONS

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

2.4 UST EXCAVATION SOIL SAMPLING

CRA collected eight soil samples from the side walls of the UST excavation at depths of 2.5 to 8 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.

2.5 DISPENSER SAMPLING

CRA collected three samples beneath the dispenser locations at depths of 2 to 4 fbg (Figure 2). Soil samples were collected in the manner described above.

2.6 PIPING SAMPLING

CRA collected four samples below product piping at 3 to 3.5 fbg (Figure 2). Soil samples were collected in the manner described above.

2.7 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.

2.8 CHEMICAL ANALYSES

State-certified laboratory TestAmerica Laboratories, Inc. of Irvine, California analyzed the soil and grab groundwater samples for total petroleum hydrocarbons as gasoline, benzene, toluene, ethylbenzene, total xylenes, methyl tertiary-butyl ether, and tertiary-butyl alcohol by EPA Method 8260B.

Appendix A includes the laboratory reports.

2.9 RESIDUAL MANAGEMENT

Following UST removal, pea gravel was stockpiled, sampled for disposal or reuse, and replaced in the UST excavation pending installation of new USTs by the new property owner. The pea gravel was returned to the UST excavation to protect the excavation and insure public safety.

Approximately 225,000 tons of soil and pea gravel removed from the excavation during new UST installation were temporarily stockpiled on site and sampled for disposal. The laboratory report is included in Appendix A. Based on soil sampling results, by agreement with Shell, the property owner is responsible for soil disposal and any required reporting.

Prior to UST removal, approximately 850 gallons of groundwater were removed from the UST excavation. On May 15, 2014, Adams Services, Inc. transported the water to DeMenno/Kerdoon's facility in Carson, California for recycling. Disposal documentation is presented in Appendix B.

Approximately 28,000 gallons of water removed from the UST excavation during station redevelopment was stored on-site in 18,900-gallon Baker tanks and profiled for recycling. On June 18, 19, and 20, 2014, Philips Services Corporation transported the water to Shell's Martinez refinery for recycling. Disposal documentation is presented in Appendix B.

3.0 ANALYTICAL RESULTS

Table 1 summarizes soil analytical results, and Appendix A presents the laboratory analytical reports. A summary of these data is presented below.

No constituents of concern were detected in soil or pea gravel samples.

The grab groundwater sample from the UST excavation contained 8,400 micrograms per liter ($\mu\text{g/L}$) TPHg, 35 $\mu\text{g/L}$ benzene, 650 $\mu\text{g/L}$ toluene, 100 $\mu\text{g/L}$ ethylbenzene, and 1,100 $\mu\text{g/L}$ total xylenes. No MTBE or TBA was detected in the grab groundwater sample.

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



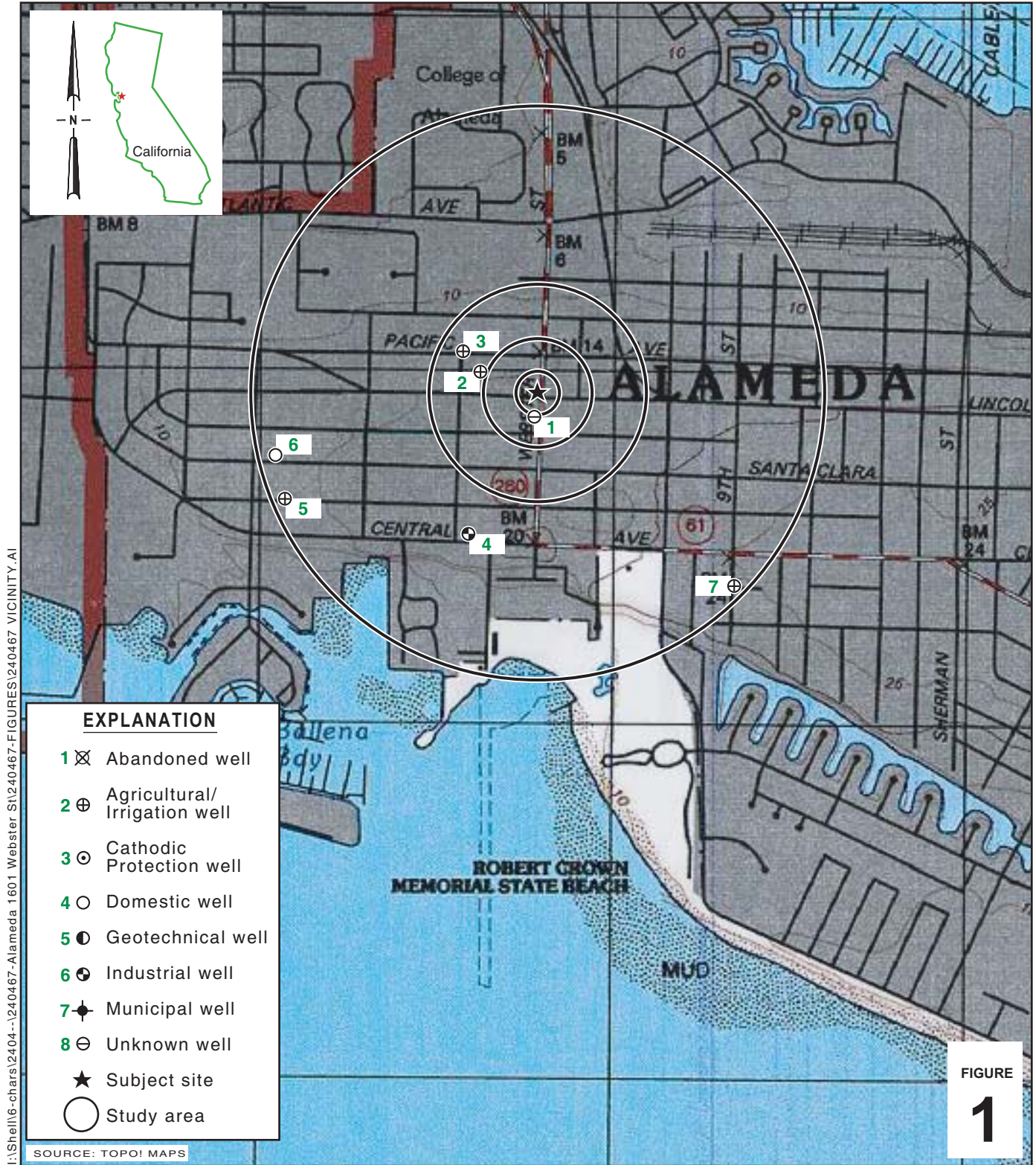
Peter Schaefer, CEG, CHG



Aubrey K. Cool, PG



FIGURES



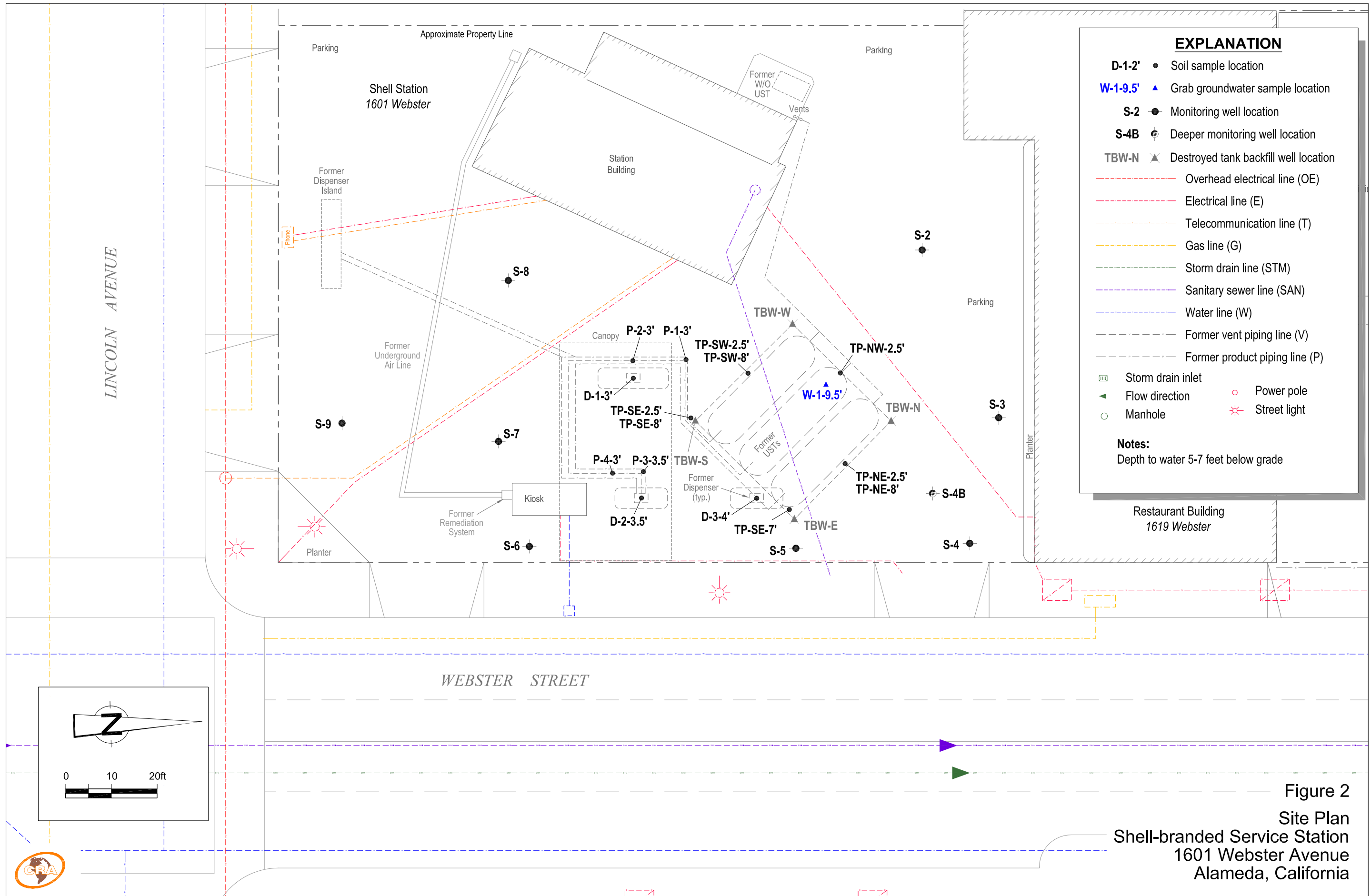
Shell-branded Service Station

1601 Webster Street
Alameda, California



**CONESTOGA-ROVERS
& ASSOCIATES**

Vicinity Map

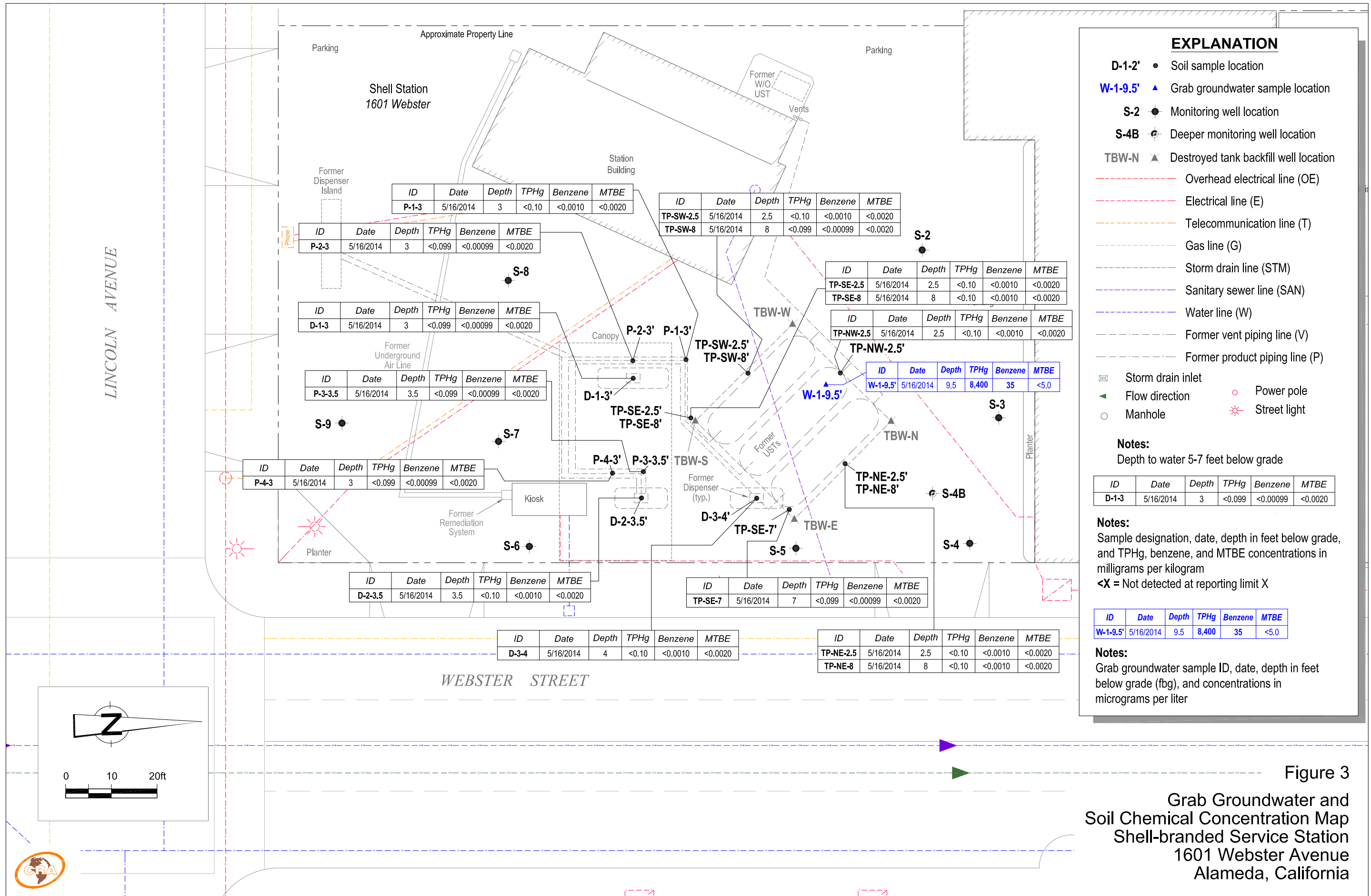


EXPLANATION

- D-1-2' • Soil sample location
- W-1-9.5' ▲ Grab groundwater sample location
- S-2 ● Monitoring well location
- S-4B ● Deeper monitoring well location
- TBW-N ▲ Destroyed tank backfill well location
- Overhead electrical line (OE)
- Electrical line (E)
- Telecommunication line (T)
- Gas line (G)
- Storm drain line (STM)
- Sanitary sewer line (SAN)
- Water line (W)
- Former vent piping line (V)
- Former product piping line (P)
- ▣ Storm drain inlet
- ◄ Flow direction
- Manhole
- Power pole
- ⊛ Street light

Notes:
Depth to water 5-7 feet below grade

Figure 2
Site Plan
Shell-branded Service Station
1601 Webster Avenue
Alameda, California



TABLES

TABLE 1
HISTORICAL SOIL ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Sample ID	Date	Depth (fbg)	Non-Polar		TPH									1,1,1-Trichloro-			1,2-		Ethanol		Chlorinated Hydrocarbons		Cd	Cr	Pb	Ni	Zn	PNAs	PCP	Creosote	PCBs		
			O&G (mg/kg)	O&G (mg/kg)	TPHmo (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	Jet Fuel (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	DCA (mg/kg)	EDB (mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
S-4B-6.0	7/17/2006	6	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-4B-11.0	7/17/2006	11	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	0.56	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	
S-4B-16.0	7/17/2006	16	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	0.30 m	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	
S-4B-19.5	7/17/2006	19.5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.010	0.31 m	0.13 m	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	
S-8-8.0	7/17/2006	8	---	---	---	---	3,700	---	1.0	<0.25	90	310 m	<0.25	<2.5	<0.50	<0.25	<0.25	<0.25	<0.25	---	---	---	---	---	---	---	---	---	---	---	---	---	
S-8-11.5	7/17/2006	11.5	---	---	---	---	<50	---	<0.25	<0.25	0.89	2.5	<0.25	<2.5	<0.50	<0.25	<0.25	<0.25	<0.25	---	---	---	---	---	---	---	---	---	---	---	---	---	
S-9-5.0	7/17/2006	5	---	---	---	---	110	---	<0.25	<0.25	2.0	3.5	<0.25	<2.5	<0.50	<0.25	<0.25	<0.25	<0.25	---	---	---	---	---	---	---	---	---	---	---	---	---	
S-9-11.5	7/17/2006	11.5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	
TP-NE-2.5	5/16/2014	2.5	---	---	---	---	<0.10	---	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
TP-NE-8	5/16/2014	8	---	---	---	---	<0.10	---	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
TP-NW-2.5	5/16/2014	2.5	---	---	---	---	<0.10	---	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
TP-SW-2.5	5/16/2014	2.5	---	---	---	---	<0.10	---	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
TP-SW-8	5/16/2014	8	---	---	---	---	<0.099	---	<0.00099	<0.0009	<0.0009	<0.0020	<0.0020	<0.050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
TP-SE-2.5	5/16/2014	2.5	---	---	---	---	<0.10	---	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
TP-SE-7	5/16/2014	7	---	---	---	---	<0.099	---	<0.00099	<0.0009	<0.0009	<0.0020	<0.0020	<0.050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
TP-SE-8	5/16/2014	8	---	---	---	---	<0.10	---	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
P-1-3	5/16/2014	3	---	---	---	---	<0.10	---	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
P-2-3	5/16/2014	3	---	---	---	---	<0.099	---	<0.00099	<0.0009	<0.0009	<0.0020	<0.0020	<0.050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
P-3-3.5	5/16/2014	3.5	---	---	---	---	<0.099	---	<0.00099	<0.0009	<0.0009	<0.0020	<0.0020	<0.050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
P-4-3	5/16/2014	3	---	---	---	---	<0.099	---	<0.00099	<0.0009	<0.0009	<0.0020	<0.0020	<0.050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
D-1-3	5/16/2014	3	---	---	---	---	<0.099	---	<0.00099	<0.0009	<0.0009	<0.0020	<0.0020	<0.050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
D-2-3.5	5/16/2014	3.5	---	---	---	---	<0.10	---	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
D-3-4	5/16/2014	4	---	---	---	---	<0.10	---	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
<i>Shallow Soil (<=10 fbg) ESL ":</i>			NA	NA	500	110	500	NA	0.044	2.9	3.3	2.3	0.023	0.075	NA	NA	NA	0.0045	0.00033	NA	7.8	Various	Various	Various	12	2,500	320	150	600	Various	5.0	NA	0.74
<i>Deep Soil (>10 fbg) ESL ":</i>			NA	NA	1,000	110	770	NA	0.044	2.9	3.3	2.3	0.023	0.075	NA	NA	NA	0.0045	0.00033	NA	7.8	Various	Various	Various	1,000	5,000	320	5,000	5,000	Various	9.0	NA	0.74

Notes:

O&G = Total oil and grease analyzed by EPA Method 3550 unless otherwise noted
 TPHd = Total petroleum hydrocarbons as diesel analyzed by EPA Method 8015 unless otherwise noted
 TPHmo = Total petroleum hydrocarbons as oil analyzed by EPA Method 3550 unless otherwise noted
 TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B; before 8/10/2004, analyzed by EPA Method 8015 unless otherwise noted.
 TPH Jet Fuel = Total petroleum hydrocarbons as jet fuel analyzed by EPA Method 8015
 BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B; before 8/10/2004, analyzed by EPA Method 8020 unless otherwise noted
 MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B; before 8/10/2004, analyzed by EPA Method 8020.
 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 analyzed by EPA Method 8260B unless otherwise noted.
 EDB = 1,2-Dibromoethane analyzed by EPA Method 8260B
 Ethanol by EPA Method 6010B
 1,1,1-Trichloroethane analyzed by EPA Method 8010
 VOCs = Volatile organic compounds. See analytical report for specific constituents. Analytical method unknown.
 HVOCs = Halogenated volatile organic compounds analyzed by EPA Method 8010. See analytical report for specific constituents. All detections noted.
 Chlorinated hydrocarbons analyzed by EPA Method 8010 unless otherwise noted. See analytical report for specific constituents. All detections tabulated.
 Cd = Cadmium analyzed by EPA Method 6010B

TABLE 1

HISTORICAL SOIL ANALYTICAL DATA
 SHELL-BRANDED SERVICE STATION
 1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Sample ID	Date	Depth (fbg)	O&G (mg/kg)	Non-	TPH										1,2- DCA	EDB	Ethanol	1,1,1-	VOCs	HVOCS	Chlorinated	Cd	Cr	Pb	Ni	Zn	PNAs	PCP	Creosote	PCBs
				Polar (mg/kg)	TPHmo (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	Jet Fuel (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)				DIPE (mg/kg)			ETBE (mg/kg)									

Cr = Chromium analyzed by EPA Method 6010B

Pb = Lead analyzed by EPA Method 6010B

Ni = Nickel analyzed by EPA Method 6010B

Zn = Zinc analyzed by EPA Method 6010B

PNAs = Polynuclear aromatics analyzed by EPA Method 8270C; see laboratory analytical report for a complete list of specific constituents

PCP = Pentachlorophenol analyzed by EPA Method 8270C

Creosote analyzed by EPA Method 8270C. It is reported as a combination of naphthalene, acenaphthylene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, 1-methylnaphthalene, and 2-methylnaphthalene.

PCBs = Polychlorinated biphenyls analyzed by EPA Method 8082; see laboratory analytical report for a complete list of specific constituents

fbg = Feet below grade

mg/kg = Milligrams per kilogram

<x = Not detected at reporting limit x

--- = Not analyzed

ND = Not detected

ESL = Environmental screening level

NA = No applicable ESL

Results in **bold** equal or exceed applicable ESL

Shading indicates that soil sample location was subsequently excavated; results are not representative of residual soil.

a = Analyzed by EPA Method 8015

b = Analytical method unknown

c = Analyzed by EPA Method 3550

d = Analyzed by APHA Standard Method 503 D&E

e = Methylene chloride detected at 0.0017 mg/kg. No other constituents detected.

f = Methylene chloride detected at 0.0072 mg/kg. No other constituents detected.

g = Methylene chloride detected at 0.070 mg/kg. No other constituents detected.

h = Only chlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, and 1,4-dichlorobenzene analyzed.

i = Analyzed by EPA Method 8020

j = Analyzed by EPA Method 1664 A (Modified)

k = Hydrocarbons reported as TPHd do not exhibit a typical Diesel chromatographic pattern. These hydrocarbons are higher boiling than typical diesel fuel.

l = Analyzed by EPA Method 8260B

m = The concentration indicated for this analyte is an estimated value above the calibration range on the instrument.

n = San Francisco Bay Regional Water Quality Control Board commercial/industrial ESL for soil where groundwater is a potential source of drinking water (Tables A and C 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] - Updated December 2013).

TABLE 2

HISTORICAL GRAB GROUNDWATER ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Sample ID	Date	Depth (fbg)	Total O&G (µg/L)	TPHd (µg/L)	TPHg (µg/L)	TPH (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	1,1,1-Trichloro- Methylene		HVOCs (µg/L)	Chlorinated Hydrocarbons (µg/L)	PNAs (µg/L)	PCP (µg/L)	Creosote (µg/L)	PCBs (µg/L)	
																			ethane (µg/L)	Chloride (µg/L)							
#2	6/26/1987	9.75	244,000	---	1,600	132,000	3.7	45	---	200	---	---	---	---	---	---	---	---	---	10,550	58,730	---	---	---	---	---	---
BH-C	10/12/1992	9.5	---	---	74	---	0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	
BH-D	10/12/1992	9.5	---	---	24,000	---	4,200	<0.5	4,400	2,800	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	
BH-E	10/22/1992	10	<7,000	---	26,000	---	6,900	13,000	2,200	12,000	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	
BH-F	10/22/1992	10.5	<14,000	---	3,100	---	170	110	310	550	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	
BH-G	10/22/1992	10.5	<6,000	---	150	---	3.9	9.8	3.8	13	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	
BH-H	10/22/1992	10.5	<6,000	---	26,000	---	1,600	280	1,900	2,800	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	
BH-I	10/22/1992	10.5	<8,000	---	53	---	1.4	1.3	3.1	3.4	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	
SB-1-W	11/30/2004	6.51 c	---	---	<2,500	---	<25	<25	<25	<50	6,000	<250	<100	<100	<100	<25	<25	<2,500	---	---	---	---	---	---	---	---	
SB-1W-10'	11/30/2004	10	---	---	<250	---	<2.5	<2.5	<2.5	<5.0	300	<25	<10	<10	<10	<2.5	<2.5	<250	---	---	---	---	---	---	---	---	
SB-1W-15'	11/30/2004	15	---	---	<13,000	---	<130	<130	<130	<250	24,000	1,700	<500	<500	<500	<130	<130	<13,000	---	---	---	---	---	---	---	---	
SB-2-W	12/1/2004	6.95 c	---	---	<1,000	---	<10	<10	<10	<20	3,000	500	<40	<40	<40	<10	<10	<1,000	---	---	---	---	---	---	---	---	
SB-2W-15'	12/1/2004	15	---	---	<1,300	---	<13	<13	<13	<25	2,000	420	<50	<50	<50	<13	<13	<13,000	---	---	---	---	---	---	---	---	
SB-3-W	12/1/2004	7.01 c	---	---	<5,000	---	<50	<50	<50	<100	9,000	<500	<200	<200	<200	<50	<50	<5,000	---	---	---	---	---	---	---	---	
SB-4-W	12/2/2004	7.85 c	---	---	<500	---	<5.0	<5.0	<5.0	<10	4,400	1,100	<20	<20	<20	<5.0	<5.0	<500	---	---	---	---	---	---	---	---	
SB-4W-15'	12/2/2004	15	---	---	520	---	1.7	5.3	14	62	2,900	2,000	<2.0	<2.0	4.0	<0.50	<0.50	<50	---	---	---	---	---	---	---	---	
SB-5-W	11/30/2004	7.21 c	---	---	<1,000	---	<10	<10	<10	<20	1,900	190	<40	<40	<40	<10	<10	<1,000	---	---	---	---	---	---	---	---	
SB-5W-15'	11/30/2004	15	---	---	<1,000	---	<10	<10	<10	<20	2,000	340	<40	<40	<40	<10	<10	<1,000	---	---	---	---	---	---	---	---	
SB-6-W	11/30/2004	7.01 c	---	---	2,000	---	0.61	0.88	59	57	14	5.5	<2.0	<2.0	<2.0	<0.50	<0.50	<50	---	---	---	---	---	---	---	---	
SB-6W-15'	11/30/2004	15	---	---	<250	---	<2.5	<2.5	<2.5	<5.0	540	92	<10	<10	<10	<2.5	<2.5	<250	---	---	---	---	---	---	---	---	
SB-7-W	11/30/2004	8.0 c	---	---	<500	---	<5.0	<5.0	<5.0	<10	990	180	<20	<20	<20	<5.0	<5.0	<500	---	---	---	---	---	---	---	---	
SB-7W-15'	11/30/2004	15	---	---	920	---	0.54	1.1	28	19	13	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50	---	---	---	---	---	---	---	---	
SB-8-W	12/2/2004	7.09 c	---	---	17,000	---	250	660	840	3,700	<10	<100	<40	<40	<40	<10	<10	<1,000	---	---	---	---	---	---	---	---	
SB-8W-15'	12/2/2004	15	---	---	270	---	5.3	13	12	47	11	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50	---	---	---	---	---	---	---	---	
SB-9-6.5W	11/3/2005	6-10	---	---	<1,300	---	<13	<13	<13	<25	3,500	<130	<50	<50	<50	---	---	---	---	---	---	---	---	---	---	---	
SB-9-15W	11/3/2005	14-18	---	---	<2,500	---	<25	<25	<25	<50	9,200	<250	<100	<100	<100	---	---	---	---	---	---	---	---	---	---	---	
SB-9-27W	11/3/2005	24-28	---	---	<2,500	---	<25	<25	<25	<50	7,800	<250	<100	<100	<100	---	---	---	---	---	---	---	---	---	---	---	
SB-9-36W	11/3/2005	35-39	---	---	<50	---	<0.50	<0.50	<0.50	<1.0	87	21	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	
SB-10-7W	11/2/2005	6-10	---	---	53	---	<0.50	<0.50	<0.50	<1.0	3,000	1,300	<2.0	<2.0	3.7	---	---	---	---	---	---	---	---	---	---	---	

TABLE 2

**HISTORICAL GRAB GROUNDWATER ANALYTICAL DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA**

Sample ID	Date	Depth (fbg)	Total			B	T	E	X	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	1,1,1-Trichloro- Methylene		HVOCs	Chlorinated Hydrocarbons		PNAs	PCP	Creosote	PCBs
			O&G (µg/L)	TPHd (µg/L)	TPHg (µg/L)													TPH (µg/L)	ethane (µg/L)		Chloride (µg/L)	(µg/L)				
SB-10-15W	11/2/2005	14-18	---	---	500	---	<5.0	<5.0	<5.0	<10	690	2,200	<20	<20	<20	---	---	---	---	---	---	---	---	---	---	---
SB-10-25W	11/2/2005	24-28	---	---	<1,300	---	<13	<13	<13	<25	2,700	<130	<50	<50	<50	---	---	---	---	---	---	---	---	---	---	---
SB-10-36W	11/2/2005	35-39	---	---	70	---	<0.50	<0.50	<0.50	<1.0	76	68	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---
SB-11-7W	11/3/2005	7-11	---	---	<1,300	---	<13	<13	<13	<25	4,800	290	<50	<50	<50	---	---	---	---	---	---	---	---	---	---	---
SB-11-15W	11/3/2005	14-18	---	---	<2,000	---	<20	<20	<20	<40	2,200	740	<80	<80	<80	---	---	---	---	---	---	---	---	---	---	---
SB-11-27W	11/3/2005	24-28	---	---	<1,000	---	<10	<10	<10	<20	2,300	<100	<40	<40	<40	---	---	---	---	---	---	---	---	---	---	---
SB-11-36W	11/3/2005	35-39	---	---	67	---	<0.50	<0.50	<0.50	<1.0	23	22	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---
SB-12-6.5W	11/2/2005	6-10	---	---	<50	---	<0.50	<0.50	<0.50	<1.0	0.55	<5.0	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---
SB-12-15W	11/2/2005	14-18	---	---	<50	---	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---
SB-12-25W	11/2/2005	24-28	---	---	<50	---	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---
SB-12-36W	11/2/2005	35-39	---	---	<50	---	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---
SB-13-6.25W	11/2/2005	6-10	---	---	<2,500	---	<25	<25	<25	<50	4,100	<250	<100	<100	<100	---	---	---	---	---	---	---	---	---	---	---
SB-13-15W	11/2/2005	14-18	---	---	<50	---	<0.50	<0.50	<0.50	<1.0	4.6	<5.0	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---
SB-13-25W	11/2/2005	24-28	---	---	<50	---	<0.50	<0.50	<0.50	<1.0	1.1	<5.0	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---
SB-13-36W	11/2/2005	35-39	---	---	64	---	<0.50	<0.50	<0.50	<1.0	1.0	<5.0	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---
SB-14-5.75W	11/3/2005	6-10	---	---	<1,300	---	<13	<13	<13	<25	2,700	<130	<50	<50	<50	---	---	---	---	---	---	---	---	---	---	---
SB-14-15W	11/3/2005	14-18	---	---	<2,500	---	<25	<25	<25	<50	5,900	<250	<100	<100	<100	---	---	---	---	---	---	---	---	---	---	---
SB-14-27W	11/3/2005	24-28	---	---	<50	---	<0.50	<0.50	<0.50	<1.0	2.5	<5.0	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---
SB-14-36W	11/3/2005	35-39	---	---	<50	---	<0.50	<0.50	<0.50	<1.0	3.7	<5.0	<2.0	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---
WO-1-5	5/25/2006	5	2,600 d	350 e	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	ND	ND	<10	<10	<1.0
W-1-9.5'	5/16/2014	9.5	---	---	8,400	---	35	650	100	1,100	<5.0	<100	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Groundwater (≤10 fbg) ESL^f:			NA	100	100	NA	1.0	40	30	20	5.0	12	NA	NA	NA	0.50	0.050	NA	62	5.0	Various	Various	Various	1.0	NA	0.014

Notes:

Total O&G = Total oil and grease analyzed by EPA Method 3550 unless otherwise noted

TPHd = Total petroleum hydrocarbons as diesel analyzed by EPA Method 8015 (Modified)

TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B; before 11/30/2004, analyzed by EPA Method 8015B unless otherwise indicated

TPH = Total petroleum hydrocarbons. Analytical method unknown

BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B; before 11/30/2004, analyzed by EPA Method 8020 unless otherwise indicated

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 analyzed by EPA Method 8260B

EDB = 1,2-Dibromoethane analyzed by EPA Method 8260B

Ethanol analyzed by EPA Method 6010B

1,1,1-Trichloroethane and methylene chloride analyzed by EPA Method 601

HVOCs = Halogenated volatile organic compounds analyzed by EPA Method 8010. See analytical report for specific constituents. All detections noted.

TABLE 2

HISTORICAL GRAB GROUNDWATER ANALYTICAL DATA
 SHELL-BRANDED SERVICE STATION
 1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Sample ID	Date	Depth (fbg)	Total		TPHd (µg/L)	TPHg (µg/L)	TPH (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2- DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	1,1,1- Trichloro- Methylene ethane Chloride (µg/L)		HVOCs (µg/L)	Chlorinated Hydro- carbons (µg/L)	PNAs (µg/L)	PCP (µg/L)	Creosote (µg/L)	PCBs (µg/L)
			O&G (µg/L)	TPH (µg/L)																							

Chlorinated hydrocarbons by EPA Method 8260B; see laboratory analytical report for a complete list of specific constituents

PNAs = Polynuclear aromatics by EPA Method 8270C; see laboratory analytical report for a complete list of specific constituents

PCP = Pentachlorophenol by EPA Method 8270C

Creosote analyzed by EPA Method 8270C. It is reported as a combination of naphthalene, acenaphthylene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, 1-methylnaphthalene, and 2-methylnaphthalene.

PCBs = Polychlorinated biphenyls analyzed by EPA Method 8082; see laboratory analytical report for a complete list of specific constituents

fbg = Feet below grade

µg/L = Micrograms per liter

<x = Not detected at reporting limit x

--- = Not analyzed

ND = Not detected

ESL = Environmental screening level

NA = No applicable ESL

Results in **bold** equal or exceed applicable ESL

a = Analyzed by EPA Method 602

b = Analyzed by APHA Standard Method 5030D&E

c = Sample collected at first-encountered groundwater/piezometric surface

d = Analyzed by EPA Method 1664 A (Modified)

e = Hydrocarbons reported as TPHd do not exhibit a typical Diesel chromatographic pattern. These hydrocarbons are higher boiling than typical diesel fuel.

f = San Francisco Bay Regional Water Quality Control Board ESL for groundwater where groundwater is a source of drinking water (Tables A and C 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] - Updated December 2013).

APPENDIX A

TESTAMERICA LABORATORIES, INC. -
ANALYTICAL REPORTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Irvine

17461 Derian Ave

Suite 100

Irvine, CA 92614-5817

Tel: (949)261-1022

TestAmerica Job ID: 440-78749-1

Client Project/Site: 1601 Webster St., Alameda, CA

Revision: 1

For:

Conestoga-Rovers & Associates, Inc.

5900 Hollis Street

Suite A

Emeryville, California 94608

Attn: Peter Schaefer



Authorized for release by:

5/28/2014 2:04:46 PM

Heather Clark, Project Manager I

(949)261-1022

heather.clark@testamericainc.com

LINKS

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results through

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78749-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-78749-1	W-1-9.5	Water	05/16/14 11:30	05/19/14 10:42
440-78749-2	TP-NE-2.5	Solid	05/16/14 12:00	05/19/14 10:42
440-78749-3	TP-NE-8	Solid	05/16/14 12:05	05/19/14 10:42
440-78749-4	TP-NW-2.5	Solid	05/16/14 12:10	05/19/14 10:42
440-78749-5	TP-SW-8	Solid	05/16/14 12:15	05/19/14 10:42
440-78749-6	TP-SW-2.5	Solid	05/16/14 12:20	05/19/14 10:42
440-78749-7	P-1-3	Solid	05/16/14 12:23	05/19/14 10:42
440-78749-8	P-2-3	Solid	05/16/14 12:30	05/19/14 10:42
440-78749-9	D-1-3	Solid	05/16/14 12:35	05/19/14 10:42
440-78749-10	TP-SE-2.5	Solid	05/16/14 12:39	05/19/14 10:42
440-78749-11	TP-SE-8	Solid	05/16/14 12:41	05/19/14 10:42
440-78749-12	P-3-3.5	Solid	05/16/14 12:45	05/19/14 10:42
440-78749-13	D-2-3.5	Solid	05/16/14 12:50	05/19/14 10:42
440-78749-14	D-3-4	Solid	05/16/14 12:55	05/19/14 10:42
440-78749-15	TP-SE-7	Solid	05/16/14 13:00	05/19/14 10:42
440-78749-16	P-4-3	Solid	05/16/14 13:06	05/19/14 10:42

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78749-1

Job ID: 440-78749-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-78749-1

Comments

No additional comments.

Receipt

The samples were received on 5/19/2014 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.3° C.

GC/MS VOA

Method(s) 8260B/CA_LUFTMS: Internal standard (ISTD) response for 1,4-Dichlorobenzene-d4 for the following sample(s) was outside acceptance criteria: P-4-3 (440-78749-16). This ISTD does not correspond to any of the requested target compounds; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.



Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78749-1

Client Sample ID: W-1-9.5

Lab Sample ID: 440-78749-1

Date Collected: 05/16/14 11:30

Matrix: Water

Date Received: 05/19/14 10:42

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	8400		500		ug/L			05/21/14 13:47	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Dibromofluoromethane (Surr)</i>	98		76 - 132					05/21/14 13:47	10
<i>4-Bromofluorobenzene (Surr)</i>	104		80 - 120					05/21/14 13:47	10
<i>Toluene-d8 (Surr)</i>	110		80 - 128					05/21/14 13:47	10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	35		5.0		ug/L			05/21/14 13:47	10
Ethylbenzene	100		5.0		ug/L			05/21/14 13:47	10
Methyl-t-Butyl Ether (MTBE)	ND		5.0		ug/L			05/21/14 13:47	10
tert-Butyl alcohol (TBA)	ND		100		ug/L			05/21/14 13:47	10
Toluene	650		5.0		ug/L			05/21/14 13:47	10
Xylenes, Total	1100		10		ug/L			05/21/14 13:47	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>4-Bromofluorobenzene (Surr)</i>	104		80 - 120					05/21/14 13:47	10
<i>Dibromofluoromethane (Surr)</i>	98		76 - 132					05/21/14 13:47	10
<i>Toluene-d8 (Surr)</i>	110		80 - 128					05/21/14 13:47	10

Client Sample ID: TP-NE-2.5

Lab Sample ID: 440-78749-2

Date Collected: 05/16/14 12:00

Matrix: Solid

Date Received: 05/19/14 10:42

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		0.10		mg/Kg			05/19/14 22:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Dibromofluoromethane (Surr)</i>	100		60 - 120					05/19/14 22:29	1
<i>4-Bromofluorobenzene (Surr)</i>	107		79 - 120					05/19/14 22:29	1
<i>Toluene-d8 (Surr)</i>	100		79 - 123					05/19/14 22:29	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0010		mg/Kg			05/19/14 22:29	1
Ethylbenzene	ND		0.0010		mg/Kg			05/19/14 22:29	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020		mg/Kg			05/19/14 22:29	1
tert-Butyl alcohol (TBA)	ND		0.050		mg/Kg			05/19/14 22:29	1
Toluene	ND		0.0010		mg/Kg			05/19/14 22:29	1
Xylenes, Total	ND		0.0020		mg/Kg			05/19/14 22:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Toluene-d8 (Surr)</i>	100		79 - 123					05/19/14 22:29	1
<i>4-Bromofluorobenzene (Surr)</i>	107		79 - 120					05/19/14 22:29	1
<i>Dibromofluoromethane (Surr)</i>	100		60 - 120					05/19/14 22:29	1

TestAmerica Irvine

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78749-1

Client Sample ID: TP-NE-8

Lab Sample ID: 440-78749-3

Date Collected: 05/16/14 12:05

Matrix: Solid

Date Received: 05/19/14 10:42

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		0.10		mg/Kg			05/19/14 21:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	98		60 - 120					05/19/14 21:03	1
4-Bromofluorobenzene (Surr)	106		79 - 120					05/19/14 21:03	1
Toluene-d8 (Surr)	102		79 - 123					05/19/14 21:03	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0010		mg/Kg			05/19/14 21:03	1
Ethylbenzene	ND		0.0010		mg/Kg			05/19/14 21:03	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020		mg/Kg			05/19/14 21:03	1
tert-Butyl alcohol (TBA)	ND		0.050		mg/Kg			05/19/14 21:03	1
Toluene	ND		0.0010		mg/Kg			05/19/14 21:03	1
Xylenes, Total	ND		0.0020		mg/Kg			05/19/14 21:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		79 - 123					05/19/14 21:03	1
4-Bromofluorobenzene (Surr)	106		79 - 120					05/19/14 21:03	1
Dibromofluoromethane (Surr)	98		60 - 120					05/19/14 21:03	1

Client Sample ID: TP-NW-2.5

Lab Sample ID: 440-78749-4

Date Collected: 05/16/14 12:10

Matrix: Solid

Date Received: 05/19/14 10:42

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		0.10		mg/Kg			05/19/14 22:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	102		60 - 120					05/19/14 22:58	1
4-Bromofluorobenzene (Surr)	106		79 - 120					05/19/14 22:58	1
Toluene-d8 (Surr)	99		79 - 123					05/19/14 22:58	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0010		mg/Kg			05/19/14 22:58	1
Ethylbenzene	ND		0.0010		mg/Kg			05/19/14 22:58	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020		mg/Kg			05/19/14 22:58	1
tert-Butyl alcohol (TBA)	ND		0.050		mg/Kg			05/19/14 22:58	1
Toluene	ND		0.0010		mg/Kg			05/19/14 22:58	1
Xylenes, Total	ND		0.0020		mg/Kg			05/19/14 22:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		79 - 123					05/19/14 22:58	1
4-Bromofluorobenzene (Surr)	106		79 - 120					05/19/14 22:58	1
Dibromofluoromethane (Surr)	102		60 - 120					05/19/14 22:58	1

TestAmerica Irvine

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78749-1

Client Sample ID: TP-SW-8

Lab Sample ID: 440-78749-5

Date Collected: 05/16/14 12:15

Matrix: Solid

Date Received: 05/19/14 10:42

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		0.099		mg/Kg			05/19/14 23:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	106		60 - 120					05/19/14 23:27	1
4-Bromofluorobenzene (Surr)	105		79 - 120					05/19/14 23:27	1
Toluene-d8 (Surr)	102		79 - 123					05/19/14 23:27	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00099		mg/Kg			05/19/14 23:27	1
Ethylbenzene	ND		0.00099		mg/Kg			05/19/14 23:27	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020		mg/Kg			05/19/14 23:27	1
tert-Butyl alcohol (TBA)	ND		0.050		mg/Kg			05/19/14 23:27	1
Toluene	ND		0.00099		mg/Kg			05/19/14 23:27	1
Xylenes, Total	ND		0.0020		mg/Kg			05/19/14 23:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		79 - 123					05/19/14 23:27	1
4-Bromofluorobenzene (Surr)	105		79 - 120					05/19/14 23:27	1
Dibromofluoromethane (Surr)	106		60 - 120					05/19/14 23:27	1

Client Sample ID: TP-SW-2.5

Lab Sample ID: 440-78749-6

Date Collected: 05/16/14 12:20

Matrix: Solid

Date Received: 05/19/14 10:42

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		0.10		mg/Kg			05/19/14 23:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	103		60 - 120					05/19/14 23:56	1
4-Bromofluorobenzene (Surr)	106		79 - 120					05/19/14 23:56	1
Toluene-d8 (Surr)	101		79 - 123					05/19/14 23:56	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0010		mg/Kg			05/19/14 23:56	1
Ethylbenzene	ND		0.0010		mg/Kg			05/19/14 23:56	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020		mg/Kg			05/19/14 23:56	1
tert-Butyl alcohol (TBA)	ND		0.050		mg/Kg			05/19/14 23:56	1
Toluene	ND		0.0010		mg/Kg			05/19/14 23:56	1
Xylenes, Total	ND		0.0020		mg/Kg			05/19/14 23:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		79 - 123					05/19/14 23:56	1
4-Bromofluorobenzene (Surr)	106		79 - 120					05/19/14 23:56	1
Dibromofluoromethane (Surr)	103		60 - 120					05/19/14 23:56	1

TestAmerica Irvine

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78749-1

Client Sample ID: P-1-3

Lab Sample ID: 440-78749-7

Date Collected: 05/16/14 12:23

Matrix: Solid

Date Received: 05/19/14 10:42

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		0.10		mg/Kg			05/20/14 00:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	107		60 - 120					05/20/14 00:25	1
4-Bromofluorobenzene (Surr)	104		79 - 120					05/20/14 00:25	1
Toluene-d8 (Surr)	99		79 - 123					05/20/14 00:25	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0010		mg/Kg			05/20/14 00:25	1
Ethylbenzene	ND		0.0010		mg/Kg			05/20/14 00:25	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020		mg/Kg			05/20/14 00:25	1
tert-Butyl alcohol (TBA)	ND		0.050		mg/Kg			05/20/14 00:25	1
Toluene	ND		0.0010		mg/Kg			05/20/14 00:25	1
Xylenes, Total	ND		0.0020		mg/Kg			05/20/14 00:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		79 - 123					05/20/14 00:25	1
4-Bromofluorobenzene (Surr)	104		79 - 120					05/20/14 00:25	1
Dibromofluoromethane (Surr)	107		60 - 120					05/20/14 00:25	1

Client Sample ID: P-2-3

Lab Sample ID: 440-78749-8

Date Collected: 05/16/14 12:30

Matrix: Solid

Date Received: 05/19/14 10:42

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		0.099		mg/Kg			05/20/14 00:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	105		60 - 120					05/20/14 00:55	1
4-Bromofluorobenzene (Surr)	105		79 - 120					05/20/14 00:55	1
Toluene-d8 (Surr)	93		79 - 123					05/20/14 00:55	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00099		mg/Kg			05/20/14 00:55	1
Ethylbenzene	ND		0.00099		mg/Kg			05/20/14 00:55	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020		mg/Kg			05/20/14 00:55	1
tert-Butyl alcohol (TBA)	ND		0.050		mg/Kg			05/20/14 00:55	1
Toluene	ND		0.00099		mg/Kg			05/20/14 00:55	1
Xylenes, Total	ND		0.0020		mg/Kg			05/20/14 00:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		79 - 123					05/20/14 00:55	1
4-Bromofluorobenzene (Surr)	105		79 - 120					05/20/14 00:55	1
Dibromofluoromethane (Surr)	105		60 - 120					05/20/14 00:55	1

TestAmerica Irvine

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78749-1

Client Sample ID: D-1-3

Lab Sample ID: 440-78749-9

Date Collected: 05/16/14 12:35

Matrix: Solid

Date Received: 05/19/14 10:42

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		0.099		mg/Kg			05/20/14 01:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	106		60 - 120					05/20/14 01:23	1
4-Bromofluorobenzene (Surr)	100		79 - 120					05/20/14 01:23	1
Toluene-d8 (Surr)	101		79 - 123					05/20/14 01:23	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00099		mg/Kg			05/20/14 01:23	1
Ethylbenzene	ND		0.00099		mg/Kg			05/20/14 01:23	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020		mg/Kg			05/20/14 01:23	1
tert-Butyl alcohol (TBA)	ND		0.050		mg/Kg			05/20/14 01:23	1
Toluene	ND		0.00099		mg/Kg			05/20/14 01:23	1
Xylenes, Total	ND		0.0020		mg/Kg			05/20/14 01:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		79 - 123					05/20/14 01:23	1
4-Bromofluorobenzene (Surr)	100		79 - 120					05/20/14 01:23	1
Dibromofluoromethane (Surr)	106		60 - 120					05/20/14 01:23	1

Client Sample ID: TP-SE-2.5

Lab Sample ID: 440-78749-10

Date Collected: 05/16/14 12:39

Matrix: Solid

Date Received: 05/19/14 10:42

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		0.10		mg/Kg			05/20/14 01:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	106		60 - 120					05/20/14 01:52	1
4-Bromofluorobenzene (Surr)	105		79 - 120					05/20/14 01:52	1
Toluene-d8 (Surr)	91		79 - 123					05/20/14 01:52	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0010		mg/Kg			05/20/14 01:52	1
Ethylbenzene	ND		0.0010		mg/Kg			05/20/14 01:52	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020		mg/Kg			05/20/14 01:52	1
tert-Butyl alcohol (TBA)	ND		0.050		mg/Kg			05/20/14 01:52	1
Toluene	ND		0.0010		mg/Kg			05/20/14 01:52	1
Xylenes, Total	ND		0.0020		mg/Kg			05/20/14 01:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	91		79 - 123					05/20/14 01:52	1
4-Bromofluorobenzene (Surr)	105		79 - 120					05/20/14 01:52	1
Dibromofluoromethane (Surr)	106		60 - 120					05/20/14 01:52	1

TestAmerica Irvine

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78749-1

Client Sample ID: TP-SE-8

Lab Sample ID: 440-78749-11

Date Collected: 05/16/14 12:41

Matrix: Solid

Date Received: 05/19/14 10:42

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		0.10		mg/Kg			05/20/14 02:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	106		60 - 120					05/20/14 02:22	1
4-Bromofluorobenzene (Surr)	103		79 - 120					05/20/14 02:22	1
Toluene-d8 (Surr)	99		79 - 123					05/20/14 02:22	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0010		mg/Kg			05/20/14 02:22	1
Ethylbenzene	ND		0.0010		mg/Kg			05/20/14 02:22	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020		mg/Kg			05/20/14 02:22	1
tert-Butyl alcohol (TBA)	ND		0.050		mg/Kg			05/20/14 02:22	1
Toluene	ND		0.0010		mg/Kg			05/20/14 02:22	1
Xylenes, Total	ND		0.0020		mg/Kg			05/20/14 02:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		79 - 123					05/20/14 02:22	1
4-Bromofluorobenzene (Surr)	103		79 - 120					05/20/14 02:22	1
Dibromofluoromethane (Surr)	106		60 - 120					05/20/14 02:22	1

Client Sample ID: P-3-3.5

Lab Sample ID: 440-78749-12

Date Collected: 05/16/14 12:45

Matrix: Solid

Date Received: 05/19/14 10:42

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		0.099		mg/Kg			05/20/14 02:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	110		60 - 120					05/20/14 02:51	1
4-Bromofluorobenzene (Surr)	102		79 - 120					05/20/14 02:51	1
Toluene-d8 (Surr)	100		79 - 123					05/20/14 02:51	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00099		mg/Kg			05/20/14 02:51	1
Ethylbenzene	ND		0.00099		mg/Kg			05/20/14 02:51	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020		mg/Kg			05/20/14 02:51	1
tert-Butyl alcohol (TBA)	ND		0.050		mg/Kg			05/20/14 02:51	1
Toluene	ND		0.00099		mg/Kg			05/20/14 02:51	1
Xylenes, Total	ND		0.0020		mg/Kg			05/20/14 02:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		79 - 123					05/20/14 02:51	1
4-Bromofluorobenzene (Surr)	102		79 - 120					05/20/14 02:51	1
Dibromofluoromethane (Surr)	110		60 - 120					05/20/14 02:51	1

TestAmerica Irvine

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78749-1

Client Sample ID: D-2-3.5

Lab Sample ID: 440-78749-13

Date Collected: 05/16/14 12:50

Matrix: Solid

Date Received: 05/19/14 10:42

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		0.10		mg/Kg			05/20/14 03:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	107		60 - 120					05/20/14 03:20	1
4-Bromofluorobenzene (Surr)	101		79 - 120					05/20/14 03:20	1
Toluene-d8 (Surr)	103		79 - 123					05/20/14 03:20	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0010		mg/Kg			05/20/14 03:20	1
Ethylbenzene	ND		0.0010		mg/Kg			05/20/14 03:20	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020		mg/Kg			05/20/14 03:20	1
tert-Butyl alcohol (TBA)	ND		0.050		mg/Kg			05/20/14 03:20	1
Toluene	ND		0.0010		mg/Kg			05/20/14 03:20	1
Xylenes, Total	ND		0.0020		mg/Kg			05/20/14 03:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		79 - 123					05/20/14 03:20	1
4-Bromofluorobenzene (Surr)	101		79 - 120					05/20/14 03:20	1
Dibromofluoromethane (Surr)	107		60 - 120					05/20/14 03:20	1

Client Sample ID: D-3-4

Lab Sample ID: 440-78749-14

Date Collected: 05/16/14 12:55

Matrix: Solid

Date Received: 05/19/14 10:42

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		0.10		mg/Kg			05/20/14 03:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	107		60 - 120					05/20/14 03:48	1
4-Bromofluorobenzene (Surr)	101		79 - 120					05/20/14 03:48	1
Toluene-d8 (Surr)	88		79 - 123					05/20/14 03:48	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0010		mg/Kg			05/20/14 03:48	1
Ethylbenzene	ND		0.0010		mg/Kg			05/20/14 03:48	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020		mg/Kg			05/20/14 03:48	1
tert-Butyl alcohol (TBA)	ND		0.050		mg/Kg			05/20/14 03:48	1
Toluene	ND		0.0010		mg/Kg			05/20/14 03:48	1
Xylenes, Total	ND		0.0020		mg/Kg			05/20/14 03:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	88		79 - 123					05/20/14 03:48	1
4-Bromofluorobenzene (Surr)	101		79 - 120					05/20/14 03:48	1
Dibromofluoromethane (Surr)	107		60 - 120					05/20/14 03:48	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78749-1

Client Sample ID: TP-SE-7

Lab Sample ID: 440-78749-15

Date Collected: 05/16/14 13:00

Matrix: Solid

Date Received: 05/19/14 10:42

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		0.099		mg/Kg			05/20/14 04:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	118		60 - 120					05/20/14 04:18	1
4-Bromofluorobenzene (Surr)	100		79 - 120					05/20/14 04:18	1
Toluene-d8 (Surr)	104		79 - 123					05/20/14 04:18	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00099		mg/Kg			05/20/14 04:18	1
Ethylbenzene	ND		0.00099		mg/Kg			05/20/14 04:18	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020		mg/Kg			05/20/14 04:18	1
tert-Butyl alcohol (TBA)	ND		0.050		mg/Kg			05/20/14 04:18	1
Toluene	ND		0.00099		mg/Kg			05/20/14 04:18	1
Xylenes, Total	ND		0.0020		mg/Kg			05/20/14 04:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		79 - 123					05/20/14 04:18	1
4-Bromofluorobenzene (Surr)	100		79 - 120					05/20/14 04:18	1
Dibromofluoromethane (Surr)	118		60 - 120					05/20/14 04:18	1

Client Sample ID: P-4-3

Lab Sample ID: 440-78749-16

Date Collected: 05/16/14 13:06

Matrix: Solid

Date Received: 05/19/14 10:42

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		0.099		mg/Kg			05/20/14 04:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	108		60 - 120					05/20/14 04:47	1
4-Bromofluorobenzene (Surr)	102		79 - 120					05/20/14 04:47	1
Toluene-d8 (Surr)	93		79 - 123					05/20/14 04:47	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00099		mg/Kg			05/20/14 04:47	1
Ethylbenzene	ND		0.00099		mg/Kg			05/20/14 04:47	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020		mg/Kg			05/20/14 04:47	1
tert-Butyl alcohol (TBA)	ND		0.050		mg/Kg			05/20/14 04:47	1
Toluene	ND		0.00099		mg/Kg			05/20/14 04:47	1
Xylenes, Total	ND		0.0020		mg/Kg			05/20/14 04:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		79 - 123					05/20/14 04:47	1
4-Bromofluorobenzene (Surr)	102		79 - 120					05/20/14 04:47	1
Dibromofluoromethane (Surr)	108		60 - 120					05/20/14 04:47	1

TestAmerica Irvine

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78749-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL IRV
8260B/CA_LUFTM S	Volatile Organic Compounds by GC/MS	SW846	TAL IRV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022



Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78749-1

Client Sample ID: W-1-9.5

Date Collected: 05/16/14 11:30

Date Received: 05/19/14 10:42

Lab Sample ID: 440-78749-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	10 mL	10 mL	183759	05/21/14 13:47	AA	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		10	10 mL	10 mL	183760	05/21/14 13:47	RM	TAL IRV

Client Sample ID: TP-NE-2.5

Date Collected: 05/16/14 12:00

Date Received: 05/19/14 10:42

Lab Sample ID: 440-78749-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.02 g	10 mL	183444	05/19/14 22:29	WC	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	5.02 g	10 mL	183445	05/19/14 22:29	WC	TAL IRV

Client Sample ID: TP-NE-8

Date Collected: 05/16/14 12:05

Date Received: 05/19/14 10:42

Lab Sample ID: 440-78749-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	4.97 g	10 mL	183444	05/19/14 21:03	WC	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	4.97 g	10 mL	183445	05/19/14 21:03	WC	TAL IRV

Client Sample ID: TP-NW-2.5

Date Collected: 05/16/14 12:10

Date Received: 05/19/14 10:42

Lab Sample ID: 440-78749-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 g	10 mL	183444	05/19/14 22:58	WC	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 g	10 mL	183445	05/19/14 22:58	WC	TAL IRV

Client Sample ID: TP-SW-8

Date Collected: 05/16/14 12:15

Date Received: 05/19/14 10:42

Lab Sample ID: 440-78749-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.03 g	10 mL	183444	05/19/14 23:27	WC	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	5.03 g	10 mL	183445	05/19/14 23:27	WC	TAL IRV

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78749-1

Client Sample ID: TP-SW-2.5

Lab Sample ID: 440-78749-6

Date Collected: 05/16/14 12:20

Matrix: Solid

Date Received: 05/19/14 10:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.01 g	10 mL	183444	05/19/14 23:56	WC	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	5.01 g	10 mL	183445	05/19/14 23:56	WC	TAL IRV

Client Sample ID: P-1-3

Lab Sample ID: 440-78749-7

Date Collected: 05/16/14 12:23

Matrix: Solid

Date Received: 05/19/14 10:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	4.97 g	10 mL	183444	05/20/14 00:25	WC	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	4.97 g	10 mL	183445	05/20/14 00:25	WC	TAL IRV

Client Sample ID: P-2-3

Lab Sample ID: 440-78749-8

Date Collected: 05/16/14 12:30

Matrix: Solid

Date Received: 05/19/14 10:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.03 g	10 mL	183444	05/20/14 00:55	WC	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	5.03 g	10 mL	183445	05/20/14 00:55	WC	TAL IRV

Client Sample ID: D-1-3

Lab Sample ID: 440-78749-9

Date Collected: 05/16/14 12:35

Matrix: Solid

Date Received: 05/19/14 10:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.03 g	10 mL	183444	05/20/14 01:23	WC	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	5.03 g	10 mL	183445	05/20/14 01:23	WC	TAL IRV

Client Sample ID: TP-SE-2.5

Lab Sample ID: 440-78749-10

Date Collected: 05/16/14 12:39

Matrix: Solid

Date Received: 05/19/14 10:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	4.97 g	10 mL	183444	05/20/14 01:52	WC	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	4.97 g	10 mL	183445	05/20/14 01:52	WC	TAL IRV

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78749-1

Client Sample ID: TP-SE-8

Lab Sample ID: 440-78749-11

Date Collected: 05/16/14 12:41

Matrix: Solid

Date Received: 05/19/14 10:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.02 g	10 mL	183444	05/20/14 02:22	WC	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTM S		1	5.02 g	10 mL	183445	05/20/14 02:22	WC	TAL IRV

Client Sample ID: P-3-3.5

Lab Sample ID: 440-78749-12

Date Collected: 05/16/14 12:45

Matrix: Solid

Date Received: 05/19/14 10:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.03 g	10 mL	183444	05/20/14 02:51	WC	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTM S		1	5.03 g	10 mL	183445	05/20/14 02:51	WC	TAL IRV

Client Sample ID: D-2-3.5

Lab Sample ID: 440-78749-13

Date Collected: 05/16/14 12:50

Matrix: Solid

Date Received: 05/19/14 10:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	4.97 g	10 mL	183444	05/20/14 03:20	WC	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTM S		1	4.97 g	10 mL	183445	05/20/14 03:20	WC	TAL IRV

Client Sample ID: D-3-4

Lab Sample ID: 440-78749-14

Date Collected: 05/16/14 12:55

Matrix: Solid

Date Received: 05/19/14 10:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	4.99 g	10 mL	183444	05/20/14 03:48	WC	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTM S		1	4.99 g	10 mL	183445	05/20/14 03:48	WC	TAL IRV

Client Sample ID: TP-SE-7

Lab Sample ID: 440-78749-15

Date Collected: 05/16/14 13:00

Matrix: Solid

Date Received: 05/19/14 10:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.03 g	10 mL	183444	05/20/14 04:18	WC	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTM S		1	5.03 g	10 mL	183445	05/20/14 04:18	WC	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78749-1

Client Sample ID: P-4-3

Lab Sample ID: 440-78749-16

Date Collected: 05/16/14 13:06

Matrix: Solid

Date Received: 05/19/14 10:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.03 g	10 mL	183444	05/20/14 04:47	WC	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	5.03 g	10 mL	183445	05/20/14 04:47	WC	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78749-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 440-183444/4

Matrix: Solid

Analysis Batch: 183444

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0010		mg/Kg			05/19/14 19:36	1
Ethylbenzene	ND		0.0010		mg/Kg			05/19/14 19:36	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020		mg/Kg			05/19/14 19:36	1
tert-Butyl alcohol (TBA)	ND		0.050		mg/Kg			05/19/14 19:36	1
Toluene	ND		0.0010		mg/Kg			05/19/14 19:36	1
Xylenes, Total	ND		0.0020		mg/Kg			05/19/14 19:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		79 - 120		05/19/14 19:36	1
Toluene-d8 (Surr)	99		79 - 123		05/19/14 19:36	1
Dibromofluoromethane (Surr)	103		60 - 120		05/19/14 19:36	1

Lab Sample ID: LCS 440-183444/5

Matrix: Solid

Analysis Batch: 183444

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0476		mg/Kg		95	65 - 120
Ethylbenzene	0.0500	0.0455		mg/Kg		91	70 - 125
m,p-Xylene	0.100	0.0912		mg/Kg		91	70 - 125
Methyl-t-Butyl Ether (MTBE)	0.0500	0.0598		mg/Kg		120	60 - 140
o-Xylene	0.0500	0.0474		mg/Kg		95	70 - 125
tert-Butyl alcohol (TBA)	0.250	0.228		mg/Kg		91	70 - 135
Toluene	0.0500	0.0496		mg/Kg		99	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		79 - 120
Toluene-d8 (Surr)	102		79 - 123
Dibromofluoromethane (Surr)	108		60 - 120

Lab Sample ID: 440-78749-3 MS

Matrix: Solid

Analysis Batch: 183444

Client Sample ID: TP-NE-8

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		0.0498	0.0477		mg/Kg		96	65 - 130
Ethylbenzene	ND		0.0498	0.0523		mg/Kg		105	70 - 135
m,p-Xylene	ND		0.0996	0.104		mg/Kg		105	70 - 130
Methyl-t-Butyl Ether (MTBE)	ND		0.0498	0.0560		mg/Kg		112	55 - 155
o-Xylene	ND		0.0498	0.0535		mg/Kg		107	65 - 130
tert-Butyl alcohol (TBA)	ND		0.249	0.237		mg/Kg		95	65 - 145
Toluene	ND		0.0498	0.0498		mg/Kg		100	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		79 - 120
Toluene-d8 (Surr)	102		79 - 123
Dibromofluoromethane (Surr)	103		60 - 120

TestAmerica Irvine

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78749-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-78749-3 MSD

Matrix: Solid

Analysis Batch: 183444

Client Sample ID: TP-NE-8

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		0.0499	0.0464		mg/Kg		93	65 - 130	3	20
Ethylbenzene	ND		0.0499	0.0452		mg/Kg		91	70 - 135	15	25
m,p-Xylene	ND		0.0998	0.0911		mg/Kg		91	70 - 130	13	25
Methyl-t-Butyl Ether (MTBE)	ND		0.0499	0.0580		mg/Kg		116	55 - 155	4	35
o-Xylene	ND		0.0499	0.0476		mg/Kg		95	65 - 130	12	25
tert-Butyl alcohol (TBA)	ND		0.250	0.231		mg/Kg		92	65 - 145	3	30
Toluene	ND		0.0499	0.0489		mg/Kg		98	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		79 - 120
Toluene-d8 (Surr)	102		79 - 123
Dibromofluoromethane (Surr)	107		60 - 120

Lab Sample ID: MB 440-183759/5

Matrix: Water

Analysis Batch: 183759

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			05/21/14 09:02	1
Ethylbenzene	ND		0.50		ug/L			05/21/14 09:02	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			05/21/14 09:02	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			05/21/14 09:02	1
Toluene	ND		0.50		ug/L			05/21/14 09:02	1
Xylenes, Total	ND		1.0		ug/L			05/21/14 09:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		80 - 120		05/21/14 09:02	1
Toluene-d8 (Surr)	106		80 - 128		05/21/14 09:02	1
Dibromofluoromethane (Surr)	97		76 - 132		05/21/14 09:02	1

Lab Sample ID: LCS 440-183759/6

Matrix: Water

Analysis Batch: 183759

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	27.8		ug/L		111	68 - 130
Ethylbenzene	25.0	28.3		ug/L		113	70 - 130
m,p-Xylene	50.0	57.2		ug/L		114	70 - 130
Methyl-t-Butyl Ether (MTBE)	25.0	26.4		ug/L		106	63 - 131
o-Xylene	25.0	27.0		ug/L		108	70 - 130
tert-Butyl alcohol (TBA)	125	108		ug/L		86	70 - 130
Toluene	25.0	26.0		ug/L		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		80 - 120
Toluene-d8 (Surr)	107		80 - 128
Dibromofluoromethane (Surr)	95		76 - 132

TestAmerica Irvine

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78749-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-78451-C-3 MS

Matrix: Water

Analysis Batch: 183759

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
Benzene	ND		125	142		ug/L		114	66 - 130
Ethylbenzene	ND		125	142		ug/L		113	70 - 130
m,p-Xylene	ND		250	290		ug/L		116	70 - 133
Methyl-t-Butyl Ether (MTBE)	340		125	486		ug/L		114	70 - 130
o-Xylene	ND		125	136		ug/L		109	70 - 133
tert-Butyl alcohol (TBA)	180		625	766		ug/L		93	70 - 130
Toluene	ND		125	136		ug/L		109	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	103		80 - 120
Toluene-d8 (Surr)	110		80 - 128
Dibromofluoromethane (Surr)	99		76 - 132

Lab Sample ID: 440-78451-C-3 MSD

Matrix: Water

Analysis Batch: 183759

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Benzene	ND		125	140		ug/L		112	66 - 130	1	20	
Ethylbenzene	ND		125	135		ug/L		108	70 - 130	5	20	
m,p-Xylene	ND		250	275		ug/L		110	70 - 133	5	25	
Methyl-t-Butyl Ether (MTBE)	340		125	513	F1	ug/L		136	70 - 130	5	25	
o-Xylene	ND		125	132		ug/L		105	70 - 133	3	20	
tert-Butyl alcohol (TBA)	180		625	757		ug/L		92	70 - 130	1	25	
Toluene	ND		125	131		ug/L		105	70 - 130	4	20	

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	101		80 - 120
Toluene-d8 (Surr)	110		80 - 128
Dibromofluoromethane (Surr)	98		76 - 132

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 440-183445/4

Matrix: Solid

Analysis Batch: 183445

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Volatile Fuel Hydrocarbons (C4-C12)	ND		0.10		mg/Kg			05/19/14 19:36	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Dibromofluoromethane (Surr)	103		60 - 120		05/19/14 19:36	1
4-Bromofluorobenzene (Surr)	105		79 - 120		05/19/14 19:36	1
Toluene-d8 (Surr)	99		79 - 123		05/19/14 19:36	1

TestAmerica Irvine

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78749-1

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 440-183445/6

Matrix: Solid

Analysis Batch: 183445

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	1.00	0.796		mg/Kg		80	60 - 135
Surrogate	%Recovery	LCS Qualifier	Limits				
Dibromofluoromethane (Surr)	105		60 - 120				
4-Bromofluorobenzene (Surr)	109		79 - 120				
Toluene-d8 (Surr)	101		79 - 123				

Lab Sample ID: 440-78749-3 MS

Matrix: Solid

Analysis Batch: 183445

Client Sample ID: TP-NE-8

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	ND		3.44	2.84		mg/Kg		83	55 - 140
Surrogate	%Recovery	MS Qualifier	Limits						
Dibromofluoromethane (Surr)	103		60 - 120						
4-Bromofluorobenzene (Surr)	113		79 - 120						
Toluene-d8 (Surr)	102		79 - 123						

Lab Sample ID: 440-78749-3 MSD

Matrix: Solid

Analysis Batch: 183445

Client Sample ID: TP-NE-8

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Volatile Fuel Hydrocarbons (C4-C12)	ND		3.44	2.73		mg/Kg		79	55 - 140	4	25
Surrogate	%Recovery	MSD Qualifier	Limits								
Dibromofluoromethane (Surr)	107		60 - 120								
4-Bromofluorobenzene (Surr)	100		79 - 120								
Toluene-d8 (Surr)	102		79 - 123								

Lab Sample ID: MB 440-183760/5

Matrix: Water

Analysis Batch: 183760

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			05/21/14 09:02	1
Surrogate	%Recovery	MB Qualifier	Limits						
Dibromofluoromethane (Surr)	97		76 - 132						
4-Bromofluorobenzene (Surr)	101		80 - 120						
Toluene-d8 (Surr)	106		80 - 128						

TestAmerica Irvine

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78749-1

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 440-183760/7

Matrix: Water

Analysis Batch: 183760

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	500	408		ug/L		82	55 - 130
Surrogate		LCS %Recovery	LCS Qualifier				Limits
Dibromofluoromethane (Surr)		93					76 - 132
4-Bromofluorobenzene (Surr)		101					80 - 120
Toluene-d8 (Surr)		109					80 - 128

Lab Sample ID: 440-78451-C-3 MS

Matrix: Water

Analysis Batch: 183760

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	340		8630	8860		ug/L		99	50 - 145
Surrogate		MS %Recovery		MS Qualifier					Limits
Dibromofluoromethane (Surr)		99							76 - 132
4-Bromofluorobenzene (Surr)		103							80 - 120
Toluene-d8 (Surr)		110							80 - 128

Lab Sample ID: 440-78451-C-3 MSD

Matrix: Water

Analysis Batch: 183760

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Volatile Fuel Hydrocarbons (C4-C12)	340		8630	8670		ug/L		97	50 - 145	2	20
Surrogate		MSD %Recovery		MSD Qualifier					Limits		
Dibromofluoromethane (Surr)		98							76 - 132		
4-Bromofluorobenzene (Surr)		101							80 - 120		
Toluene-d8 (Surr)		110							80 - 128		

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78749-1

GC/MS VOA

Analysis Batch: 183444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-78749-2	TP-NE-2.5	Total/NA	Solid	8260B	
440-78749-3	TP-NE-8	Total/NA	Solid	8260B	
440-78749-3 MS	TP-NE-8	Total/NA	Solid	8260B	
440-78749-3 MSD	TP-NE-8	Total/NA	Solid	8260B	
440-78749-4	TP-NW-2.5	Total/NA	Solid	8260B	
440-78749-5	TP-SW-8	Total/NA	Solid	8260B	
440-78749-6	TP-SW-2.5	Total/NA	Solid	8260B	
440-78749-7	P-1-3	Total/NA	Solid	8260B	
440-78749-8	P-2-3	Total/NA	Solid	8260B	
440-78749-9	D-1-3	Total/NA	Solid	8260B	
440-78749-10	TP-SE-2.5	Total/NA	Solid	8260B	
440-78749-11	TP-SE-8	Total/NA	Solid	8260B	
440-78749-12	P-3-3.5	Total/NA	Solid	8260B	
440-78749-13	D-2-3.5	Total/NA	Solid	8260B	
440-78749-14	D-3-4	Total/NA	Solid	8260B	
440-78749-15	TP-SE-7	Total/NA	Solid	8260B	
440-78749-16	P-4-3	Total/NA	Solid	8260B	
LCS 440-183444/5	Lab Control Sample	Total/NA	Solid	8260B	
MB 440-183444/4	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 183445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-78749-2	TP-NE-2.5	Total/NA	Solid	8260B/CA_LUFT MS	
440-78749-3	TP-NE-8	Total/NA	Solid	8260B/CA_LUFT MS	
440-78749-3 MS	TP-NE-8	Total/NA	Solid	8260B/CA_LUFT MS	
440-78749-3 MSD	TP-NE-8	Total/NA	Solid	8260B/CA_LUFT MS	
440-78749-4	TP-NW-2.5	Total/NA	Solid	8260B/CA_LUFT MS	
440-78749-5	TP-SW-8	Total/NA	Solid	8260B/CA_LUFT MS	
440-78749-6	TP-SW-2.5	Total/NA	Solid	8260B/CA_LUFT MS	
440-78749-7	P-1-3	Total/NA	Solid	8260B/CA_LUFT MS	
440-78749-8	P-2-3	Total/NA	Solid	8260B/CA_LUFT MS	
440-78749-9	D-1-3	Total/NA	Solid	8260B/CA_LUFT MS	
440-78749-10	TP-SE-2.5	Total/NA	Solid	8260B/CA_LUFT MS	
440-78749-11	TP-SE-8	Total/NA	Solid	8260B/CA_LUFT MS	
440-78749-12	P-3-3.5	Total/NA	Solid	8260B/CA_LUFT MS	
440-78749-13	D-2-3.5	Total/NA	Solid	8260B/CA_LUFT MS	
440-78749-14	D-3-4	Total/NA	Solid	8260B/CA_LUFT MS	
440-78749-15	TP-SE-7	Total/NA	Solid	8260B/CA_LUFT MS	

TestAmerica Irvine



QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78749-1

GC/MS VOA (Continued)

Analysis Batch: 183445 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-78749-16	P-4-3	Total/NA	Solid	8260B/CA_LUFT	
LCS 440-183445/6	Lab Control Sample	Total/NA	Solid	MS 8260B/CA_LUFT	
MB 440-183445/4	Method Blank	Total/NA	Solid	MS 8260B/CA_LUFT	

Analysis Batch: 183759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-78451-C-3 MS	Matrix Spike	Total/NA	Water	8260B	
440-78451-C-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
440-78749-1	W-1-9.5	Total/NA	Water	8260B	
LCS 440-183759/6	Lab Control Sample	Total/NA	Water	8260B	
MB 440-183759/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 183760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-78451-C-3 MS	Matrix Spike	Total/NA	Water	8260B/CA_LUFT	
440-78451-C-3 MSD	Matrix Spike Duplicate	Total/NA	Water	MS 8260B/CA_LUFT	
440-78749-1	W-1-9.5	Total/NA	Water	MS 8260B/CA_LUFT	
LCS 440-183760/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT	
MB 440-183760/5	Method Blank	Total/NA	Water	MS 8260B/CA_LUFT	

Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78749-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78749-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-14
Arizona	State Program	9	AZ0671	10-13-14
California	LA Cty Sanitation Districts	9	10256	01-31-15
California	State Program	9	2706	06-30-14
Guam	State Program	9	Cert. No. 12.002r	01-23-15
Hawaii	State Program	9	N/A	01-29-15 *
Nevada	State Program	9	CA015312007A	07-31-14
New Mexico	State Program	6	N/A	01-29-15
Northern Mariana Islands	State Program	9	MP0002	01-31-14 *
Oregon	NELAP	10	4005	01-29-15
USDA	Federal		P330-09-00080	06-06-15
USEPA UCMR	Federal	1	CA01531	01-31-15

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Irvine

LAB (LOCATION)

- CALSCIENCE ()
- SPL ()
- XENCO ()
- TEST AMERICA ()
- OTHER ()



Shell Oil Products Chain Of Custody Record

440-78149

Please Check Appropriate Box:

<input type="checkbox"/> ENV. SERVICES	<input type="checkbox"/> MOTIVA RETAIL	<input type="checkbox"/> SHELL RETAIL
<input type="checkbox"/> MOTIVA SO&CM	<input checked="" type="checkbox"/> CONSULTANT	<input type="checkbox"/> LUBES
<input type="checkbox"/> SHELL PIPELINE	<input type="checkbox"/> OTHER	

Print Bill To Contact Name: Peter Schaefer - 240467

INCIDENT # (ENV SERVICES): 9 7 5 6 4 7 0 1

PO #: SAP #

DATE 5/16/2014

PAGE: 1 of 2

SAMPLING COMPANY: Conestoga-Rovers & Associates

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

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

TELEPHONE: 510-420-3319 FAX: 510-420-9170 E-MAIL: pschaefer@craworld.com

LOG CODE: CRAW

SITE ADDRESS: Street and City: 1601 Webster Street, Alameda State: CA GLOBAL ID NO: T0600137103

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: 240467-2014-04

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:

RUSH

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

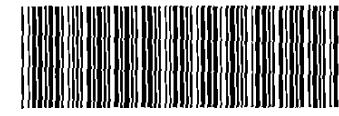
RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	PRESERVATIVE					NO. OF CONT.	REQUESTED ANALYSIS											TEMPERATURE ON RECEIPT C	Container PID Readings or Laboratory Notes			
		DATE	TIME		HCL	HNO3	H2SO4	NONE	OTHER		TPH-GRO, Purgeable (8260B)	TPH-DRO, Extractable (8015M)	TPHg (8015M)	BTEX (8260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 6 OXYs (MTBE, TBA, DIPE, TAME, ETBE) (8260B)	Full VOC list (8260B)	Single Compound: (8260B)	1,2-DCA (8260B)	EDB (8260B)			Ethanol (8260B)	Methanol (8015M)	
	W-1-9.5'	5/16/2014	1130	GW	x					6	x															
	TP-NE-2.5'	5/16/2014	1200	Soil						1	x															
	TP-NE-8'	5/16/2014	1205	Soil						1	x															
	TP-NW-2.5'	5/16/14	1210	SO						1	x															
	TP-SW-5'	5/16/14	1215	SO						1	x															
	TP-SW-2.5'	5/16/14	1220	SO						1	x															
	P-1-3'	5/16/14	1223	SO						1	x															
	P-2-3'	5/16/14	1230	SO						1	x															
	D-1-3'	5/16/14	1235	SO						1	x															
	TP-SE-2.5'	5/16/14	1239	SO						1	x															

Relinquished by (Signature): Katherine Ward	Received by (Signature): Emeryville Office	Date: 5/16/14	Time: 1430
Relinquished by (Signature): [Signature]	Received by (Signature): [Signature]	Date: 5/16/14	Time: 1547
Relinquished by (Signature): [Signature]	Received by (Signature): [Signature]	Date: 5/16/14	Time: 1715

Jo Bull 5/16/14 1755 90mg 5-19-14 09470c



440-78749 Chain of Custody

05/206 Revision

5986 9212 9653

2.6/2.3" 12-51





Shell Oil Products Chain Of Custody Record

LAB (LOCATION)

- CALSCIENCE ()
- SPL ()
- XENCO ()
- TEST AMERICA ()
- OTHER ()

Please Check Appropriate Box:

- | | | |
|---|--|---------------------------------------|
| <input type="checkbox"/> ENV. SERVICES | <input type="checkbox"/> MOTIVA RETAIL | <input type="checkbox"/> SHELL RETAIL |
| <input type="checkbox"/> MOTIVA SD&CM | <input checked="" type="checkbox"/> CONSULTANT | <input type="checkbox"/> LUBES |
| <input type="checkbox"/> SHELL PIPELINE | <input type="checkbox"/> OTHER | |

Print Bill To Contact Name:

Peter Schaefer - 240467

INCIDENT # (ENV SERVICES)

9 7 5 6 4 7 0 1

CHECK IF NO INCIDENT # APPLIES

DATE: 5/16/2014

PQ #

SAP #

PAGE: 2 of 2

SAMPLING COMPANY Conestoga-Rovers & Associates		LOG CODE CRAW	SITE ADDRESS- Street and City 1601 Webster Street, Alameda		State CA	GLOBAL ID NO T0600137103
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
PROJECT CONTACT (Hardcopy or PDF Report to) Peter Schaefer			CONSULTANT PROJECT NO. 240467-2014-04			
TELEPHONE 510-420-3319	FAX 510-420-9170	E-MAIL pschaefer@craworld.com	SAMPLER NAME(S) (Pfm) Katherine Ward		LAB USE ONLY	

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		MATRIX	PRESERVATIVE					NO. OF CONT	TPH -GRO, Purgeable (8260B)	TPH -DRO, Extractable (8016M)	TPHg (8015M)	BTEX (8260B)	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 (8016M)	TEMPERATURE ON RECEIPT C	
		DATE	TIME		HCL	HNO3	H2SO4	NONE	OTHER																
	TP-SE-8'	5/16/2014	1241	Soil						1	X					X									
	P-3-3.5'	5/16/2014	1245	Soil						1	X					X									
	D 2-3.5'	5/16/2014	1250	Soil						1	X					X									
	P-3-4'	5/16/14	1255	Soil						1	X					X									
	TP-SE-7'	5/16/14	1300	Soil						1	X					X									
	P-4-3'	5/16/14	1306	Soil						1	X					X									

Relinquished by (Signature) <i>Katherine Ward</i>	Received by (Signature) <i>Emergyville Office</i>	Date 5/16/14	Time 1430
Relinquished by (Signature) <i>[Signature]</i>	Received by (Signature) <i>[Signature]</i>	Date 5/16/14	Time 1547
Relinquished by (Signature) <i>[Signature]</i>	Received by (Signature) <i>[Signature]</i>	Date 5/16/14	Time 1715

Jr Bull 5/16/14 1755 *[Signature]* *5-19-14 0940*
1.1c

5986 9212 9653

2.6/2.3 12-59

05/2006 Revision

LAB LOCATION

- CALSCIENCE ()
- SPL ()
- XENCO ()
- TEST AMERICA ()
- OTHER ()



Shell Oil Products Chain Of Custody Record

Please Check Appropriate Box:

<input type="checkbox"/> ENV. SERVICES	<input type="checkbox"/> MOTIVA RETAIL	<input type="checkbox"/> SHELL RETAIL
<input type="checkbox"/> MOTIVA SOLOM	<input checked="" type="checkbox"/> CONSULTANT	<input type="checkbox"/> LUBES
<input type="checkbox"/> SHELL PIPELINE	<input type="checkbox"/> OTHER _____	

Print Bill To Contact Name: Peter Schaefer - 240467

INCIDENT # (ENV SERVICES): 9 7 5 6 4 7 0 1

PO # _____ SAP # _____

DATE: 5/16/2014

PAGE: 1 of 2

SAMPLING COMPANY: Conestoga-Rovers & Associates

LOG CODE: CRAW

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

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

TELEPHONE: 510-420-3319 FAX: 510-420-9170 E-MAIL: pschaefer@croworld.com

RUSH

SITE ADDRESS Street and City: 1601 Webster Street, Alameda

State: CA GLOBAL ID NO: T0600137103

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

PHONE NO: 510-420-3343 E-MAIL: shell_om_edf@croworld.com

CONSULTANT PROJECT NO: 240467-2014-04

SAMPLER NAME(S) (Print): Katherine Ward

TURNAROUND TIME (CALENDAR DAYS):

STANDARD (14 DAY) 5 DAYS 3 DAYS 2 DAYS 24 HOURS

RESULTS NEEDED ON WEEKEND

REQUESTED ANALYSIS

LA - RWQCB REPORT FORMAT UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES:

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

SHELL CONTRACT RATE APPLIES

STATE REIMBURSEMENT RATE APPLIES

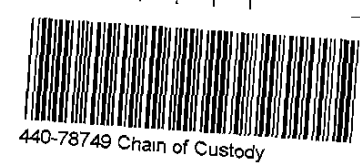
EDD NOT NEEDED

RECEIPT VERIFICATION REQUESTED

TPH-DRO, Purgeable (8260B)	TPH-DRO, Extractable (8015M)	TPH (8016M)	BTEX (8260B)	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)	TEMPERATURE ON RECEIPT C°
													CS 9.3/3.0
													TR-59

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	PRESERVATIVE					NO OF CONT.	TPH-DRO, Purgeable (8260B)	TPH-DRO, Extractable (8015M)	TPH (8016M)	BTEX (8260B)	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)	TEMPERATURE ON RECEIPT C°	
		DATE	TIME		HCL	HNO3	H2SO4	NONE	OTHER																
	N-1-9.5'	5/16/2014	1130	GW	x					6	X					X									
	TP-NE-2.5'	5/16/2014	1200	Soil						1	X					X									
	TP-NE-8'	5/16/2014	1205	Soil						1	X					X									
	TP-NW-2.5'	5/16/14	1210	SO						1	X					X									
	TP-SW-8'	5/16/14	1215	SO						1	X					X									
	TP-SW-2.5'	5/16/14	1220	SO						1	X					X									
	P-1-3'	5/16/14	1223	SO						1	X					X									
	P-2-3'	5/16/14	1230	SO						1	X					X									
	D-1-3'	5/16/14	1235	SO						1	X					X									
	TP-SE-2.5'	5/16/14	1239	SO						1	X					X									

Relinquished by: (Signature) Katherine Ward	Received by: (Signature) Emeryville Office	Date: 5/16/14	Time: 1430
Relinquished by: (Signature) [Signature]	Received by: (Signature) [Signature]	Date: 5/16/14	Time: 1547
Relinquished by: (Signature) [Signature]	Received by: (Signature) [Signature]	Date: 5/16/14	Time: 1715



Page 29 of 31

5/28/2014

For Bank 5/16/14 1755

Water for Bank 5/20/14 1715

ONLY

1.1°

Recd by: VuBank 5/21/14 9:50

Fed: 5986 9212 9826

Date: 16 May 14

Wgt: 56.20 LBS

DV: 100.00

SHIPING: 0.00

SPECIAL: 0.00

HANDLING: 0.00

TOTAL: 0.00

Spec: PRIORITY OVERNIGHT

TRCK: 5986 9212 9653



LAB (LOCATION)

- CALSCIENCE ()
- SPL ()
- XENCO ()
- TEST AMERICA ()
- OTHER ()



Shell Oil Products Chain Of Custody Record

Please Check Appropriate Box:

<input type="checkbox"/> ENV. SERVICES	<input type="checkbox"/> MOTIVA RETAIL	<input type="checkbox"/> SHELL RETAIL
<input type="checkbox"/> MOTIVA SD&CM	<input checked="" type="checkbox"/> CONSULTANT	<input type="checkbox"/> LUBES
<input type="checkbox"/> SHELL PIPELINE	<input type="checkbox"/> OTHER	

Print Bill To Contact Name: Peter Schaefer - 240467

INCIDENT # (ENV. SERVICES): 9 7 5 6 4 7 0 1

PO #: _____ SAP #: _____

DATE: 5/16/2014

PAGE: 2 of 2

SAMPLING COMPANY: Conestoga-Rovers & Associates

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

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

TELEPHONE: 510-420-3319 FAX: 510-420-9170 E-MAIL: pschaefer@croworld.com

LOG CODE: CRAW

SITE ADDRESS: Street and City: 1601 Webster Street, Alameda

State: CA GLOBAL ID NO.: T0600137103

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

PHONE NO: 510-420-3343 E-MAIL: shell.em.edf@croworld.com

CONSULTANT PROJECT NO: 240467-2014-04

SAMPLER NAME(S) (Print): Katherine Ward

LAB USE ONLY

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@croworld.com

SHELL CONTRACT RATE APPLIES

STATE REIMBURSEMENT RATE APPLIES

EDD NOT NEEDED

RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	PRESERVATIVE						NO. OF CONT.	TPH -ORO, Purgeable (8260B)	TPH -ORO, Extractable (8015M)	TPHg (8015M)	BTEX (8260B)	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)	TEMPERATURE ON RECEIPT C	Container PID Readings or Laboratory Notes
		DATE	TIME		HCL	HNO3	H2SO4	NONE	OTHER																	
	TP-SE-8'	5/16/2014	1241	Soil							X					X										
	P-3-3.5'	5/16/2014	1248	Soil							X					X										
	D-2-3.5'	5/16/2014	1250	Soil							X					X										
	P-3-4'	5/16/14	1255	Soil							X					X										
	TP-SE-7'	5/16/14	1300	Soil							X					Y										
	P-4-3'	5/16/14	1306	Soil							X					X										

Relinquished by (Signature): Katherine Ward	Received by (Signature): Emeryville Office	Date: 5/16/14	Time: 1430
Relinquished by (Signature): [Signature]	Received by (Signature): [Signature]	Date: 5/16/14	Time: 1547
Relinquished by (Signature): [Signature]	Received by (Signature): [Signature]	Date: 5/16/14	Time: 1715

Ja Burt 5/16/14 1755

1.10

5/29/2014



Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 440-78749-1

Login Number: 78749

List Number: 1

Creator: Gonzales, Steve

List Source: TestAmerica Irvine

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Irvine

17461 Derian Ave

Suite 100

Irvine, CA 92614-5817

Tel: (949)261-1022

TestAmerica Job ID: 440-78759-1

Client Project/Site: 1601 Webster St., Alameda, CA

For:

Conestoga-Rovers & Associates, Inc.

5900 Hollis Street

Suite A

Emeryville, California 94608

Attn: Peter Schaefer



Authorized for release by:

5/23/2014 4:32:06 PM

Heather Clark, Project Manager I

(949)261-1022

heather.clark@testamericainc.com

LINKS

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78759-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-78759-5	SP-1	Solid	05/16/14 13:15	05/19/14 12:59

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Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78759-1

Job ID: 440-78759-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative 440-78759-1

Comments

No additional comments.

Receipt

The samples were received on 5/19/2014 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.3° C.

GC/MS VOA

Method(s) 8260B: The continuing calibration verification (CCV) associated with batch 183513 recovered above the upper control limit for Acetone. The sample associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. : (LCS 440-183513/8).

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 183513 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8260B: Surrogate recovery for the following sample was outside control limit: (440-78723-1 MS), (440-78723-1 MSD). Evidence of matrix interference is present and is confirmed by re-analysis.

Method(s) 8260B/CA_LUFTMS: Surrogate recovery for the following sample was outside control limit: (440-78723-1 MS), (440-78723-1 MSD). Evidence of matrix interference is present and is confirmed by re-analysis.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method(s) 8270C: The following analyte(s) recovered outside control limits for the LCS or LCSD associated with batch 183351. These analytes are not indicative of a systematic problem and were within the Marginal Exceedance Limits; therefore, the results have been reported and qualified.

Di-n-butyl phthalate: Recovery = 69 (within the Marginal Exceedance Limits of 63-127)
N-Nitrosodiphenylamine: Recovery = 71 (within the Marginal Exceedance Limits of 64-123)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78759-1

Client Sample ID: SP-1

Lab Sample ID: 440-78759-5

Date Collected: 05/16/14 13:15

Matrix: Solid

Date Received: 05/19/14 12:59

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		0.095		mg/Kg			05/20/14 16:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	95		60 - 120					05/20/14 16:55	1
4-Bromofluorobenzene (Surr)	99		79 - 120					05/20/14 16:55	1
Toluene-d8 (Surr)	102		79 - 123					05/20/14 16:55	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0048		mg/Kg			05/20/14 16:55	1
1,1,1-Trichloroethane	ND		0.0019		mg/Kg			05/20/14 16:55	1
1,1,2,2-Tetrachloroethane	ND		0.0019		mg/Kg			05/20/14 16:55	1
1,1,2-Trichloroethane	ND		0.0019		mg/Kg			05/20/14 16:55	1
1,1-Dichloroethane	ND		0.0019		mg/Kg			05/20/14 16:55	1
1,1-Dichloroethene	ND		0.0048		mg/Kg			05/20/14 16:55	1
1,1-Dichloropropene	ND		0.0019		mg/Kg			05/20/14 16:55	1
1,2,3-Trichlorobenzene	ND		0.0048		mg/Kg			05/20/14 16:55	1
1,2,4-Trimethylbenzene	ND		0.0019		mg/Kg			05/20/14 16:55	1
1,2-Dibromo-3-Chloropropane	ND		0.0048		mg/Kg			05/20/14 16:55	1
1,2-Dibromoethane (EDB)	ND		0.0019		mg/Kg			05/20/14 16:55	1
1,2-Dichlorobenzene	ND		0.0019		mg/Kg			05/20/14 16:55	1
1,2-Dichloroethane	ND		0.0019		mg/Kg			05/20/14 16:55	1
1,2-Dichloropropane	ND		0.0019		mg/Kg			05/20/14 16:55	1
1,3,5-Trimethylbenzene	ND		0.0019		mg/Kg			05/20/14 16:55	1
1,3-Dichlorobenzene	ND		0.0019		mg/Kg			05/20/14 16:55	1
1,3-Dichloropropane	ND		0.0019		mg/Kg			05/20/14 16:55	1
1,4-Dichlorobenzene	ND		0.0019		mg/Kg			05/20/14 16:55	1
2,2-Dichloropropane	ND		0.0019		mg/Kg			05/20/14 16:55	1
2-Chlorotoluene	ND		0.0048		mg/Kg			05/20/14 16:55	1
4-Chlorotoluene	ND		0.0048		mg/Kg			05/20/14 16:55	1
p-Isopropyltoluene	ND		0.0019		mg/Kg			05/20/14 16:55	1
Benzene	ND		0.0019		mg/Kg			05/20/14 16:55	1
Bromobenzene	ND		0.0048		mg/Kg			05/20/14 16:55	1
Dibromochloromethane	ND		0.0019		mg/Kg			05/20/14 16:55	1
Bromochloromethane	ND		0.0048		mg/Kg			05/20/14 16:55	1
Bromoform	ND		0.0048		mg/Kg			05/20/14 16:55	1
Bromomethane	ND		0.0048		mg/Kg			05/20/14 16:55	1
Carbon tetrachloride	ND		0.0048		mg/Kg			05/20/14 16:55	1
Chlorobenzene	ND		0.0019		mg/Kg			05/20/14 16:55	1
Chloroethane	ND		0.0048		mg/Kg			05/20/14 16:55	1
Chloroform	ND		0.0019		mg/Kg			05/20/14 16:55	1
Chloromethane	ND		0.0048		mg/Kg			05/20/14 16:55	1
cis-1,2-Dichloroethene	ND		0.0019		mg/Kg			05/20/14 16:55	1
cis-1,3-Dichloropropene	ND		0.0019		mg/Kg			05/20/14 16:55	1
Bromodichloromethane	ND		0.0019		mg/Kg			05/20/14 16:55	1
Dibromomethane	ND		0.0019		mg/Kg			05/20/14 16:55	1
Dichlorodifluoromethane	ND		0.0048		mg/Kg			05/20/14 16:55	1
Ethylbenzene	ND		0.0019		mg/Kg			05/20/14 16:55	1
Isopropyl Ether (DIPE)	ND		0.0048		mg/Kg			05/20/14 16:55	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0048		mg/Kg			05/20/14 16:55	1

TestAmerica Irvine

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78759-1

Client Sample ID: SP-1

Lab Sample ID: 440-78759-5

Date Collected: 05/16/14 13:15

Matrix: Solid

Date Received: 05/19/14 12:59

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-amyl-methyl ether (TAME)	ND		0.0048		mg/Kg			05/20/14 16:55	1
Ethyl-t-butyl ether (ETBE)	ND		0.0048		mg/Kg			05/20/14 16:55	1
Hexachlorobutadiene	ND		0.0048		mg/Kg			05/20/14 16:55	1
m,p-Xylene	ND		0.0038		mg/Kg			05/20/14 16:55	1
Methylene Chloride	ND		0.019		mg/Kg			05/20/14 16:55	1
Naphthalene	ND		0.0048		mg/Kg			05/20/14 16:55	1
n-Butylbenzene	ND		0.0048		mg/Kg			05/20/14 16:55	1
N-Propylbenzene	ND		0.0019		mg/Kg			05/20/14 16:55	1
o-Xylene	ND		0.0019		mg/Kg			05/20/14 16:55	1
sec-Butylbenzene	ND		0.0048		mg/Kg			05/20/14 16:55	1
Styrene	ND		0.0019		mg/Kg			05/20/14 16:55	1
tert-Butyl alcohol (TBA)	ND		0.095		mg/Kg			05/20/14 16:55	1
tert-Butylbenzene	ND		0.0048		mg/Kg			05/20/14 16:55	1
Tetrachloroethene	ND		0.0019		mg/Kg			05/20/14 16:55	1
Toluene	ND		0.0019		mg/Kg			05/20/14 16:55	1
trans-1,2-Dichloroethene	ND		0.0019		mg/Kg			05/20/14 16:55	1
trans-1,3-Dichloropropene	ND		0.0019		mg/Kg			05/20/14 16:55	1
Trichloroethene	ND		0.0019		mg/Kg			05/20/14 16:55	1
Trichlorofluoromethane	ND		0.0048		mg/Kg			05/20/14 16:55	1
Vinyl chloride	ND		0.0048		mg/Kg			05/20/14 16:55	1
Xylenes, Total	ND		0.0038		mg/Kg			05/20/14 16:55	1
Acetone	ND *		0.019		mg/Kg			05/20/14 16:55	1
2-Hexanone	ND		0.024		mg/Kg			05/20/14 16:55	1
4-Methyl-2-pentanone (MIBK)	ND		0.0048		mg/Kg			05/20/14 16:55	1
2-Butanone (MEK)	ND		0.0095		mg/Kg			05/20/14 16:55	1
Isopropylbenzene	ND		0.0019		mg/Kg			05/20/14 16:55	1
1,2,3-Trichloropropane	ND		0.0095		mg/Kg			05/20/14 16:55	1
1,2,4-Trichlorobenzene	ND		0.0048		mg/Kg			05/20/14 16:55	1
Ethanol	ND		0.29		mg/Kg			05/20/14 16:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		79 - 120		05/20/14 16:55	1
Dibromofluoromethane (Surr)	95		60 - 120		05/20/14 16:55	1
Toluene-d8 (Surr)	102		79 - 123		05/20/14 16:55	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
1,2-Dichlorobenzene	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
1,2-Diphenylhydrazine(as Azobenzene)	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
1,3-Dichlorobenzene	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
1,4-Dichlorobenzene	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
2,4,5-Trichlorophenol	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
2,4,6-Trichlorophenol	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
2,4-Dichlorophenol	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
2,4-Dimethylphenol	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
2,4-Dinitrophenol	ND		0.66		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
2,4-Dinitrotoluene	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
2,6-Dinitrotoluene	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1

TestAmerica Irvine

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78759-1

Client Sample ID: SP-1

Lab Sample ID: 440-78759-5

Date Collected: 05/16/14 13:15

Matrix: Solid

Date Received: 05/19/14 12:59

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
2-Chlorophenol	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
2-Methylnaphthalene	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
2-Methylphenol	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
2-Nitroaniline	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
2-Nitrophenol	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
3,3'-Dichlorobenzidine	ND		0.83		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
3-Nitroaniline	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
4,6-Dinitro-2-methylphenol	ND		0.42		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
4-Bromophenyl phenyl ether	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
4-Chloro-3-methylphenol	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
4-Chloroaniline	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
4-Chlorophenyl phenyl ether	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
3-Methylphenol + 4-Methylphenol	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
4-Nitroaniline	ND		0.83		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
4-Nitrophenol	ND		0.83		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Acenaphthene	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Acenaphthylene	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Aniline	ND		0.42		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Anthracene	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Benzidine	ND		1.3		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Benzo[a]anthracene	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Benzo[a]pyrene	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Benzo[b]fluoranthene	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Benzo[g,h,i]perylene	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Benzo[k]fluoranthene	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Benzoic acid	ND		0.83		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Benzyl alcohol	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Bis(2-chloroethoxy)methane	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Bis(2-chloroethyl)ether	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Bis(2-ethylhexyl) phthalate	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Butyl benzyl phthalate	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Chrysene	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Dibenz(a,h)anthracene	ND		0.42		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Dibenzofuran	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Diethyl phthalate	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Dimethyl phthalate	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Di-n-butyl phthalate	ND *		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Di-n-octyl phthalate	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Fluoranthene	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Fluorene	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Hexachlorobenzene	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Hexachlorobutadiene	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Hexachlorocyclopentadiene	ND		0.83		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Hexachloroethane	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Indeno[1,2,3-cd]pyrene	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Isophorone	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Naphthalene	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Nitrobenzene	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1

TestAmerica Irvine

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78759-1

Client Sample ID: SP-1

Lab Sample ID: 440-78759-5

Date Collected: 05/16/14 13:15

Matrix: Solid

Date Received: 05/19/14 12:59

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		0.25		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
N-Nitrosodiphenylamine	ND	*	0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Pentachlorophenol	ND		0.83		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Phenanthrene	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Phenol	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
Pyrene	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1
bis (2-chloroisopropyl) ether	ND		0.33		mg/Kg		05/19/14 17:30	05/23/14 06:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	68		35 - 120	05/19/14 17:30	05/23/14 06:55	1
2-Fluorophenol (Surr)	72		25 - 120	05/19/14 17:30	05/23/14 06:55	1
2,4,6-Tribromophenol (Surr)	77		35 - 125	05/19/14 17:30	05/23/14 06:55	1
Nitrobenzene-d5 (Surr)	64		30 - 120	05/19/14 17:30	05/23/14 06:55	1
Terphenyl-d14 (Surr)	90		40 - 135	05/19/14 17:30	05/23/14 06:55	1
Phenol-d6 (Surr)	73		35 - 120	05/19/14 17:30	05/23/14 06:55	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		5.0		mg/Kg		05/20/14 12:26	05/20/14 16:01	1
ORO (C29-C40)	ND		5.0		mg/Kg		05/20/14 12:26	05/20/14 16:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	71		40 - 140	05/20/14 12:26	05/20/14 16:01	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.1		2.0		mg/Kg		05/20/14 12:36	05/20/14 20:05	5
Zinc	45		5.0		mg/Kg		05/20/14 12:36	05/20/14 20:05	5
Nickel	51		2.0		mg/Kg		05/20/14 12:36	05/20/14 20:05	5
Chromium	26		1.0		mg/Kg		05/20/14 12:36	05/20/14 20:05	5
Cadmium	ND		0.50		mg/Kg		05/20/14 12:36	05/20/14 20:05	5

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78759-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL IRV
8260B/CA_LUFTM S	Volatile Organic Compounds by GC/MS	SW846	TAL IRV
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL IRV
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL IRV
6010B	Metals (ICP)	SW846	TAL IRV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022



Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78759-1

Client Sample ID: SP-1

Lab Sample ID: 440-78759-5

Date Collected: 05/16/14 13:15

Matrix: Solid

Date Received: 05/19/14 12:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.24 g	10 mL	183513	05/20/14 16:55	AT	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	5.24 g	10 mL	183514	05/20/14 16:55	AT	TAL IRV
Total/NA	Prep	3546			15.05 g	1 mL	183351	05/19/14 17:30	QCT	TAL IRV
Total/NA	Analysis	8270C		1	15.05 g	1 mL	184438	05/23/14 06:55	AI	TAL IRV
Total/NA	Prep	3546			15.07 g	1 mL	183525	05/20/14 12:26	SJ	TAL IRV
Total/NA	Analysis	8015B		1	15.07 g	1 mL	183607	05/20/14 16:01	EI	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	183551	05/20/14 12:36	DT	TAL IRV
Total/NA	Analysis	6010B		5	2.01 g	50 mL	183717	05/20/14 20:05	TK	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022



QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78759-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 440-183513/22

Matrix: Solid

Analysis Batch: 183513

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.0050		mg/Kg			05/20/14 14:58	1
1,1,1-Trichloroethane	ND		0.0020		mg/Kg			05/20/14 14:58	1
1,1,2,2-Tetrachloroethane	ND		0.0020		mg/Kg			05/20/14 14:58	1
1,1,2-Trichloroethane	ND		0.0020		mg/Kg			05/20/14 14:58	1
1,1-Dichloroethane	ND		0.0020		mg/Kg			05/20/14 14:58	1
1,1-Dichloroethene	ND		0.0050		mg/Kg			05/20/14 14:58	1
1,1-Dichloropropene	ND		0.0020		mg/Kg			05/20/14 14:58	1
1,2,3-Trichlorobenzene	ND		0.0050		mg/Kg			05/20/14 14:58	1
1,2,4-Trimethylbenzene	ND		0.0020		mg/Kg			05/20/14 14:58	1
1,2-Dibromo-3-Chloropropane	ND		0.0050		mg/Kg			05/20/14 14:58	1
1,2-Dibromoethane (EDB)	ND		0.0020		mg/Kg			05/20/14 14:58	1
1,2-Dichlorobenzene	ND		0.0020		mg/Kg			05/20/14 14:58	1
1,2-Dichloroethane	ND		0.0020		mg/Kg			05/20/14 14:58	1
1,2-Dichloropropane	ND		0.0020		mg/Kg			05/20/14 14:58	1
1,3,5-Trimethylbenzene	ND		0.0020		mg/Kg			05/20/14 14:58	1
1,3-Dichlorobenzene	ND		0.0020		mg/Kg			05/20/14 14:58	1
1,3-Dichloropropane	ND		0.0020		mg/Kg			05/20/14 14:58	1
1,4-Dichlorobenzene	ND		0.0020		mg/Kg			05/20/14 14:58	1
2,2-Dichloropropane	ND		0.0020		mg/Kg			05/20/14 14:58	1
2-Chlorotoluene	ND		0.0050		mg/Kg			05/20/14 14:58	1
4-Chlorotoluene	ND		0.0050		mg/Kg			05/20/14 14:58	1
p-Isopropyltoluene	ND		0.0020		mg/Kg			05/20/14 14:58	1
Benzene	ND		0.0020		mg/Kg			05/20/14 14:58	1
Bromobenzene	ND		0.0050		mg/Kg			05/20/14 14:58	1
Dibromochloromethane	ND		0.0020		mg/Kg			05/20/14 14:58	1
Bromochloromethane	ND		0.0050		mg/Kg			05/20/14 14:58	1
Bromoform	ND		0.0050		mg/Kg			05/20/14 14:58	1
Bromomethane	ND		0.0050		mg/Kg			05/20/14 14:58	1
Carbon tetrachloride	ND		0.0050		mg/Kg			05/20/14 14:58	1
Chlorobenzene	ND		0.0020		mg/Kg			05/20/14 14:58	1
Chloroethane	ND		0.0050		mg/Kg			05/20/14 14:58	1
Chloroform	ND		0.0020		mg/Kg			05/20/14 14:58	1
Chloromethane	ND		0.0050		mg/Kg			05/20/14 14:58	1
cis-1,2-Dichloroethene	ND		0.0020		mg/Kg			05/20/14 14:58	1
cis-1,3-Dichloropropene	ND		0.0020		mg/Kg			05/20/14 14:58	1
Bromodichloromethane	ND		0.0020		mg/Kg			05/20/14 14:58	1
Dibromomethane	ND		0.0020		mg/Kg			05/20/14 14:58	1
Dichlorodifluoromethane	ND		0.0050		mg/Kg			05/20/14 14:58	1
Ethylbenzene	ND		0.0020		mg/Kg			05/20/14 14:58	1
Isopropyl Ether (DIPE)	ND		0.0050		mg/Kg			05/20/14 14:58	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0050		mg/Kg			05/20/14 14:58	1
Tert-amyl-methyl ether (TAME)	ND		0.0050		mg/Kg			05/20/14 14:58	1
Ethyl-t-butyl ether (ETBE)	ND		0.0050		mg/Kg			05/20/14 14:58	1
Hexachlorobutadiene	ND		0.0050		mg/Kg			05/20/14 14:58	1
m,p-Xylene	ND		0.0040		mg/Kg			05/20/14 14:58	1
Methylene Chloride	ND		0.020		mg/Kg			05/20/14 14:58	1
Naphthalene	ND		0.0050		mg/Kg			05/20/14 14:58	1
n-Butylbenzene	ND		0.0050		mg/Kg			05/20/14 14:58	1

TestAmerica Irvine

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78759-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-183513/22

Matrix: Solid

Analysis Batch: 183513

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
N-Propylbenzene	ND		0.0020		mg/Kg			05/20/14 14:58	1
o-Xylene	ND		0.0020		mg/Kg			05/20/14 14:58	1
sec-Butylbenzene	ND		0.0050		mg/Kg			05/20/14 14:58	1
Styrene	ND		0.0020		mg/Kg			05/20/14 14:58	1
tert-Butyl alcohol (TBA)	ND		0.10		mg/Kg			05/20/14 14:58	1
tert-Butylbenzene	ND		0.0050		mg/Kg			05/20/14 14:58	1
Tetrachloroethene	ND		0.0020		mg/Kg			05/20/14 14:58	1
Toluene	ND		0.0020		mg/Kg			05/20/14 14:58	1
trans-1,2-Dichloroethene	ND		0.0020		mg/Kg			05/20/14 14:58	1
trans-1,3-Dichloropropene	ND		0.0020		mg/Kg			05/20/14 14:58	1
Trichloroethene	ND		0.0020		mg/Kg			05/20/14 14:58	1
Trichlorofluoromethane	ND		0.0050		mg/Kg			05/20/14 14:58	1
Vinyl chloride	ND		0.0050		mg/Kg			05/20/14 14:58	1
Xylenes, Total	ND		0.0040		mg/Kg			05/20/14 14:58	1
Acetone	ND		0.020		mg/Kg			05/20/14 14:58	1
2-Hexanone	ND		0.025		mg/Kg			05/20/14 14:58	1
4-Methyl-2-pentanone (MIBK)	ND		0.0050		mg/Kg			05/20/14 14:58	1
2-Butanone (MEK)	ND		0.010		mg/Kg			05/20/14 14:58	1
Isopropylbenzene	ND		0.0020		mg/Kg			05/20/14 14:58	1
1,2,3-Trichloropropane	ND		0.010		mg/Kg			05/20/14 14:58	1
1,2,4-Trichlorobenzene	ND		0.0050		mg/Kg			05/20/14 14:58	1
Ethanol	ND		0.30		mg/Kg			05/20/14 14:58	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	104		79 - 120		05/20/14 14:58	1
Dibromofluoromethane (Surr)	108		60 - 120		05/20/14 14:58	1
Toluene-d8 (Surr)	105		79 - 123		05/20/14 14:58	1

Lab Sample ID: LCS 440-183513/8

Matrix: Solid

Analysis Batch: 183513

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1,1,2-Tetrachloroethane	0.0500	0.0504		mg/Kg		101	70 - 130
1,1,1,1-Trichloroethane	0.0500	0.0511		mg/Kg		102	65 - 135
1,1,1,2,2-Tetrachloroethane	0.0500	0.0513		mg/Kg		103	55 - 140
1,1,2-Trichloroethane	0.0500	0.0567		mg/Kg		113	65 - 135
1,1-Dichloroethane	0.0500	0.0522		mg/Kg		104	70 - 130
1,1-Dichloroethane	0.0500	0.0531		mg/Kg		106	70 - 125
1,1-Dichloropropene	0.0500	0.0486		mg/Kg		97	70 - 130
1,2,3-Trichlorobenzene	0.0500	0.0528		mg/Kg		106	60 - 130
1,2,4-Trimethylbenzene	0.0500	0.0512		mg/Kg		102	70 - 125
1,2-Dibromo-3-Chloropropane	0.0500	0.0424		mg/Kg		85	50 - 135
1,2-Dibromoethane (EDB)	0.0500	0.0513		mg/Kg		103	70 - 130
1,2-Dichlorobenzene	0.0500	0.0523		mg/Kg		105	75 - 120
1,2-Dichloroethane	0.0500	0.0516		mg/Kg		103	60 - 140
1,2-Dichloropropane	0.0500	0.0573		mg/Kg		115	70 - 130
1,3,5-Trimethylbenzene	0.0500	0.0483		mg/Kg		97	70 - 125

TestAmerica Irvine

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78759-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-183513/8

Matrix: Solid

Analysis Batch: 183513

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	0.0500	0.0465		mg/Kg		93	75 - 125
1,3-Dichloropropane	0.0500	0.0507		mg/Kg		101	70 - 125
1,4-Dichlorobenzene	0.0500	0.0466		mg/Kg		93	75 - 120
2,2-Dichloropropane	0.0500	0.0581		mg/Kg		116	60 - 145
2-Chlorotoluene	0.0500	0.0449		mg/Kg		90	70 - 125
4-Chlorotoluene	0.0500	0.0482		mg/Kg		96	75 - 125
p-Isopropyltoluene	0.0500	0.0471		mg/Kg		94	75 - 125
Benzene	0.0500	0.0505		mg/Kg		101	65 - 120
Bromobenzene	0.0500	0.0504		mg/Kg		101	75 - 120
Dibromochloromethane	0.0500	0.0512		mg/Kg		102	65 - 140
Bromochloromethane	0.0500	0.0580		mg/Kg		116	70 - 135
Bromoform	0.0500	0.0504		mg/Kg		101	55 - 135
Bromomethane	0.0500	0.0565		mg/Kg		113	60 - 145
Carbon tetrachloride	0.0500	0.0486		mg/Kg		97	65 - 140
Chlorobenzene	0.0500	0.0454		mg/Kg		91	75 - 120
Chloroethane	0.0500	0.0464		mg/Kg		93	60 - 140
Chloroform	0.0500	0.0545		mg/Kg		109	70 - 130
Chloromethane	0.0500	0.0621		mg/Kg		124	45 - 145
cis-1,2-Dichloroethene	0.0500	0.0596		mg/Kg		119	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0616		mg/Kg		123	75 - 125
Bromodichloromethane	0.0500	0.0556		mg/Kg		111	70 - 135
Dibromomethane	0.0500	0.0530		mg/Kg		106	70 - 130
Dichlorodifluoromethane	0.0500	0.0484		mg/Kg		97	35 - 160
Ethylbenzene	0.0500	0.0464		mg/Kg		93	70 - 125
Isopropyl Ether (DIPE)	0.0500	0.0618		mg/Kg		124	60 - 140
Methyl-t-Butyl Ether (MTBE)	0.0500	0.0574		mg/Kg		115	60 - 140
Tert-amyl-methyl ether (TAME)	0.0500	0.0642		mg/Kg		128	60 - 145
Ethyl-t-butyl ether (ETBE)	0.0500	0.0620		mg/Kg		124	60 - 140
Hexachlorobutadiene	0.0500	0.0469		mg/Kg		94	60 - 135
m,p-Xylene	0.100	0.0928		mg/Kg		93	70 - 125
Methylene Chloride	0.0500	0.0549		mg/Kg		110	55 - 135
Naphthalene	0.0500	0.0501		mg/Kg		100	55 - 135
n-Butylbenzene	0.0500	0.0487		mg/Kg		97	70 - 130
N-Propylbenzene	0.0500	0.0474		mg/Kg		95	70 - 130
o-Xylene	0.0500	0.0488		mg/Kg		98	70 - 125
sec-Butylbenzene	0.0500	0.0471		mg/Kg		94	70 - 125
Styrene	0.0500	0.0520		mg/Kg		104	75 - 130
tert-Butyl alcohol (TBA)	0.250	0.252		mg/Kg		101	70 - 135
tert-Butylbenzene	0.0500	0.0464		mg/Kg		93	70 - 125
Tetrachloroethene	0.0500	0.0446		mg/Kg		89	70 - 125
Toluene	0.0500	0.0512		mg/Kg		102	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0547		mg/Kg		109	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0626		mg/Kg		125	70 - 135
Trichloroethene	0.0500	0.0500		mg/Kg		100	70 - 125
Trichlorofluoromethane	0.0500	0.0477		mg/Kg		95	60 - 145
Vinyl chloride	0.0500	0.0531		mg/Kg		106	55 - 135
Acetone	0.0500	0.0742	*	mg/Kg		148	25 - 145
2-Hexanone	0.0500	0.0514		mg/Kg		103	40 - 150

TestAmerica Irvine

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78759-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-183513/8

Matrix: Solid

Analysis Batch: 183513

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone (MIBK)	0.0500	0.0466		mg/Kg		93	40 - 145
2-Butanone (MEK)	0.0500	0.0590		mg/Kg		118	40 - 145
Isopropylbenzene	0.0500	0.0453		mg/Kg		91	75 - 130
1,2,3-Trichloropropane	0.0500	0.0460		mg/Kg		92	60 - 135
1,2,4-Trichlorobenzene	0.0500	0.0537		mg/Kg		107	70 - 135
Ethanol	0.500	0.465		mg/Kg		93	35 - 160

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		79 - 120
Dibromofluoromethane (Surr)	112		60 - 120
Toluene-d8 (Surr)	105		79 - 123

Lab Sample ID: 440-78723-A-1 MS

Matrix: Solid

Analysis Batch: 183513

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		0.0501	0.0552		mg/Kg		110	65 - 145
1,1,1,1-Trichloroethane	ND		0.0501	0.0533		mg/Kg		106	65 - 145
1,1,1,2,2-Tetrachloroethane	ND		0.0501	0.0648		mg/Kg		129	40 - 160
1,1,2-Trichloroethane	ND		0.0501	0.0624		mg/Kg		124	65 - 140
1,1-Dichloroethane	ND		0.0501	0.0577		mg/Kg		115	65 - 135
1,1-Dichloroethene	ND		0.0501	0.0580		mg/Kg		116	65 - 135
1,1-Dichloropropene	ND		0.0501	0.0447		mg/Kg		89	65 - 135
1,2,3-Trichlorobenzene	ND		0.0501	0.0401		mg/Kg		80	45 - 145
1,2,4-Trimethylbenzene	ND		0.0501	0.0516		mg/Kg		103	65 - 140
1,2-Dibromo-3-Chloropropane	ND		0.0501	0.0503		mg/Kg		100	40 - 150
1,2-Dibromoethane (EDB)	ND		0.0501	0.0594		mg/Kg		119	65 - 140
1,2-Dichlorobenzene	ND		0.0501	0.0534		mg/Kg		107	70 - 130
1,2-Dichloroethane	ND		0.0501	0.0576		mg/Kg		115	60 - 150
1,2-Dichloropropane	ND		0.0501	0.0594		mg/Kg		119	65 - 130
1,3,5-Trimethylbenzene	ND		0.0501	0.0485		mg/Kg		97	65 - 135
1,3-Dichlorobenzene	ND		0.0501	0.0473		mg/Kg		94	70 - 130
1,3-Dichloropropane	ND		0.0501	0.0608		mg/Kg		121	65 - 140
1,4-Dichlorobenzene	ND		0.0501	0.0477		mg/Kg		95	70 - 130
2,2-Dichloropropane	ND		0.0501	0.0568		mg/Kg		113	65 - 150
2-Chlorotoluene	ND		0.0501	0.0468		mg/Kg		93	60 - 135
4-Chlorotoluene	ND		0.0501	0.0505		mg/Kg		101	65 - 135
p-Isopropyltoluene	ND		0.0501	0.0436		mg/Kg		87	60 - 140
Benzene	ND		0.0501	0.0520		mg/Kg		104	65 - 130
Bromobenzene	ND		0.0501	0.0559		mg/Kg		112	65 - 140
Dibromochloromethane	ND		0.0501	0.0584		mg/Kg		117	60 - 145
Bromochloromethane	ND		0.0501	0.0662		mg/Kg		132	65 - 145
Bromoform	ND		0.0501	0.0550		mg/Kg		110	50 - 145
Bromomethane	ND		0.0501	0.0635		mg/Kg		127	60 - 155
Carbon tetrachloride	ND		0.0501	0.0453		mg/Kg		90	60 - 145
Chlorobenzene	ND		0.0501	0.0470		mg/Kg		94	70 - 130
Chloroethane	ND		0.0501	0.0539		mg/Kg		108	60 - 150

TestAmerica Irvine

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78759-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-78723-A-1 MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 183513

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Chloroform	ND		0.0501	0.0615		mg/Kg		123	65 - 135
Chloromethane	ND		0.0501	0.0691		mg/Kg		138	40 - 145
cis-1,2-Dichloroethene	ND		0.0501	0.0668		mg/Kg		133	65 - 135
cis-1,3-Dichloropropene	ND		0.0501	0.0658		mg/Kg		131	70 - 135
Bromodichloromethane	ND		0.0501	0.0581		mg/Kg		116	65 - 145
Dibromomethane	ND		0.0501	0.0600		mg/Kg		120	65 - 140
Dichlorodifluoromethane	ND		0.0501	0.0472		mg/Kg		94	30 - 160
Ethylbenzene	ND		0.0501	0.0466		mg/Kg		93	70 - 135
Isopropyl Ether (DIPE)	ND		0.0501	0.0723		mg/Kg		144	60 - 150
Methyl-t-Butyl Ether (MTBE)	ND		0.0501	0.0705		mg/Kg		141	55 - 155
Tert-amyl-methyl ether (TAME)	ND		0.0501	0.0766	F1	mg/Kg		153	60 - 150
Ethyl-t-butyl ether (ETBE)	ND		0.0501	0.0747	F1	mg/Kg		149	60 - 145
Hexachlorobutadiene	ND		0.0501	0.0290		mg/Kg		58	50 - 145
m,p-Xylene	ND		0.100	0.0917		mg/Kg		91	70 - 130
Methylene Chloride	ND		0.0501	0.0650		mg/Kg		130	55 - 145
Naphthalene	ND		0.0501	0.0500		mg/Kg		100	40 - 150
n-Butylbenzene	ND		0.0501	0.0430		mg/Kg		86	55 - 145
N-Propylbenzene	ND		0.0501	0.0482		mg/Kg		96	65 - 140
o-Xylene	ND		0.0501	0.0487		mg/Kg		97	65 - 130
sec-Butylbenzene	ND		0.0501	0.0443		mg/Kg		88	60 - 135
Styrene	ND		0.0501	0.0523		mg/Kg		104	70 - 140
tert-Butyl alcohol (TBA)	ND		0.251	0.241		mg/Kg		96	65 - 145
tert-Butylbenzene	ND		0.0501	0.0448		mg/Kg		89	60 - 140
Tetrachloroethene	ND		0.0501	0.0424		mg/Kg		85	65 - 135
Toluene	ND		0.0501	0.0509		mg/Kg		102	70 - 130
trans-1,2-Dichloroethene	ND		0.0501	0.0608		mg/Kg		121	70 - 135
trans-1,3-Dichloropropene	ND		0.0501	0.0657		mg/Kg		131	60 - 145
Trichloroethene	ND		0.0501	0.0489		mg/Kg		98	65 - 140
Trichlorofluoromethane	ND		0.0501	0.0485		mg/Kg		97	55 - 155
Vinyl chloride	ND		0.0501	0.0556		mg/Kg		111	55 - 140
Acetone	ND *		0.0501	0.113	F1	mg/Kg		225	20 - 145
2-Hexanone	ND		0.0501	0.0713		mg/Kg		142	35 - 160
4-Methyl-2-pentanone (MIBK)	ND		0.0501	0.0561		mg/Kg		112	40 - 155
2-Butanone (MEK)	ND		0.0501	0.0858	F1	mg/Kg		171	25 - 170
Isopropylbenzene	ND		0.0501	0.0475		mg/Kg		95	70 - 145
1,2,3-Trichloropropane	ND		0.0501	0.0602		mg/Kg		120	50 - 150
1,2,4-Trichlorobenzene	ND		0.0501	0.0427		mg/Kg		85	50 - 140
Ethanol	ND		0.501	0.500		mg/Kg		100	30 - 165

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	97		79 - 120
Dibromofluoromethane (Surr)	122	X	60 - 120
Toluene-d8 (Surr)	103		79 - 123

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78759-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-78723-A-1 MSD

Matrix: Solid

Analysis Batch: 183513

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
	Result			Qualifier	Result						
1,1,1,2-Tetrachloroethane	ND		0.0499	0.0531		mg/Kg		106	65 - 145	4	20
1,1,1-Trichloroethane	ND		0.0499	0.0531		mg/Kg		106	65 - 145	0	20
1,1,2,2-Tetrachloroethane	ND		0.0499	0.0613		mg/Kg		123	40 - 160	6	30
1,1,2-Trichloroethane	ND		0.0499	0.0611		mg/Kg		122	65 - 140	2	30
1,1-Dichloroethane	ND		0.0499	0.0598		mg/Kg		120	65 - 135	3	25
1,1-Dichloroethene	ND		0.0499	0.0589		mg/Kg		118	65 - 135	1	25
1,1-Dichloropropene	ND		0.0499	0.0453		mg/Kg		91	65 - 135	1	20
1,2,3-Trichlorobenzene	ND		0.0499	0.0336		mg/Kg		67	45 - 145	18	30
1,2,4-Trimethylbenzene	ND		0.0499	0.0468		mg/Kg		94	65 - 140	10	25
1,2-Dibromo-3-Chloropropane	ND		0.0499	0.0509		mg/Kg		102	40 - 150	1	30
1,2-Dibromoethane (EDB)	ND		0.0499	0.0594		mg/Kg		119	65 - 140	0	25
1,2-Dichlorobenzene	ND		0.0499	0.0484		mg/Kg		97	70 - 130	10	25
1,2-Dichloroethane	ND		0.0499	0.0571		mg/Kg		114	60 - 150	1	25
1,2-Dichloropropane	ND		0.0499	0.0597		mg/Kg		120	65 - 130	1	20
1,3,5-Trimethylbenzene	ND		0.0499	0.0447		mg/Kg		90	65 - 135	8	25
1,3-Dichlorobenzene	ND		0.0499	0.0425		mg/Kg		85	70 - 130	11	25
1,3-Dichloropropane	ND		0.0499	0.0576		mg/Kg		115	65 - 140	5	25
1,4-Dichlorobenzene	ND		0.0499	0.0427		mg/Kg		86	70 - 130	11	25
2,2-Dichloropropane	ND		0.0499	0.0587		mg/Kg		118	65 - 150	3	25
2-Chlorotoluene	ND		0.0499	0.0436		mg/Kg		87	60 - 135	7	25
4-Chlorotoluene	ND		0.0499	0.0468		mg/Kg		94	65 - 135	8	25
p-Isopropyltoluene	ND		0.0499	0.0385		mg/Kg		77	60 - 140	13	25
Benzene	ND		0.0499	0.0519		mg/Kg		104	65 - 130	0	20
Bromobenzene	ND		0.0499	0.0535		mg/Kg		107	65 - 140	4	25
Dibromochloromethane	ND		0.0499	0.0567		mg/Kg		114	60 - 145	3	25
Bromochloromethane	ND		0.0499	0.0673		mg/Kg		135	65 - 145	2	25
Bromoform	ND		0.0499	0.0541		mg/Kg		108	50 - 145	2	30
Bromomethane	ND		0.0499	0.0643		mg/Kg		129	60 - 155	1	25
Carbon tetrachloride	ND		0.0499	0.0452		mg/Kg		91	60 - 145	0	25
Chlorobenzene	ND		0.0499	0.0453		mg/Kg		91	70 - 130	4	25
Chloroethane	ND		0.0499	0.0553		mg/Kg		111	60 - 150	2	25
Chloroform	ND		0.0499	0.0616		mg/Kg		123	65 - 135	0	20
Chloromethane	ND		0.0499	0.0678		mg/Kg		136	40 - 145	2	25
cis-1,2-Dichloroethene	ND		0.0499	0.0677	F1	mg/Kg		136	65 - 135	1	25
cis-1,3-Dichloropropene	ND		0.0499	0.0646		mg/Kg		129	70 - 135	2	25
Bromodichloromethane	ND		0.0499	0.0581		mg/Kg		116	65 - 145	0	20
Dibromomethane	ND		0.0499	0.0604		mg/Kg		121	65 - 140	1	25
Dichlorodifluoromethane	ND		0.0499	0.0489		mg/Kg		98	30 - 160	4	35
Ethylbenzene	ND		0.0499	0.0440		mg/Kg		88	70 - 135	6	25
Isopropyl Ether (DIPE)	ND		0.0499	0.0729		mg/Kg		146	60 - 150	1	25
Methyl-t-Butyl Ether (MTBE)	ND		0.0499	0.0722		mg/Kg		145	55 - 155	2	35
Tert-amyl-methyl ether (TAME)	ND		0.0499	0.0782	F1	mg/Kg		157	60 - 150	2	25
Ethyl-t-butyl ether (ETBE)	ND		0.0499	0.0752	F1	mg/Kg		151	60 - 145	1	30
Hexachlorobutadiene	ND		0.0499	0.0241	F1	mg/Kg		48	50 - 145	19	35
m,p-Xylene	ND		0.0998	0.0867		mg/Kg		87	70 - 130	6	25
Methylene Chloride	ND		0.0499	0.0657		mg/Kg		132	55 - 145	1	25
Naphthalene	ND		0.0499	0.0453		mg/Kg		91	40 - 150	10	40
n-Butylbenzene	ND		0.0499	0.0371		mg/Kg		74	55 - 145	15	30

TestAmerica Irvine

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78759-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-78723-A-1 MSD

Matrix: Solid

Analysis Batch: 183513

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
N-Propylbenzene	ND		0.0499	0.0438		mg/Kg		88	65 - 140	10	25
o-Xylene	ND		0.0499	0.0468		mg/Kg		94	65 - 130	4	25
sec-Butylbenzene	ND		0.0499	0.0391		mg/Kg		78	60 - 135	12	25
Styrene	ND		0.0499	0.0500		mg/Kg		100	70 - 140	4	25
tert-Butyl alcohol (TBA)	ND		0.250	0.256		mg/Kg		103	65 - 145	6	30
tert-Butylbenzene	ND		0.0499	0.0403		mg/Kg		81	60 - 140	11	25
Tetrachloroethene	ND		0.0499	0.0393		mg/Kg		79	65 - 135	8	25
Toluene	ND		0.0499	0.0507		mg/Kg		102	70 - 130	0	20
trans-1,2-Dichloroethene	ND		0.0499	0.0599		mg/Kg		120	70 - 135	1	25
trans-1,3-Dichloropropene	ND		0.0499	0.0652		mg/Kg		131	60 - 145	1	25
Trichloroethene	ND		0.0499	0.0495		mg/Kg		99	65 - 140	1	25
Trichlorofluoromethane	ND		0.0499	0.0491		mg/Kg		98	55 - 155	1	25
Vinyl chloride	ND		0.0499	0.0576		mg/Kg		115	55 - 140	4	30
Acetone	ND	*	0.0499	0.115	F1	mg/Kg		230	20 - 145	2	40
2-Hexanone	ND		0.0499	0.0727		mg/Kg		146	35 - 160	2	40
4-Methyl-2-pentanone (MIBK)	ND		0.0499	0.0587		mg/Kg		118	40 - 155	5	40
2-Butanone (MEK)	ND		0.0499	0.0820		mg/Kg		164	25 - 170	5	40
Isopropylbenzene	ND		0.0499	0.0437		mg/Kg		88	70 - 145	8	25
1,2,3-Trichloropropane	ND		0.0499	0.0609		mg/Kg		122	50 - 150	1	30
1,2,4-Trichlorobenzene	ND		0.0499	0.0364		mg/Kg		73	50 - 140	16	30
Ethanol	ND		0.499	0.478		mg/Kg		96	30 - 165	5	40

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	98		79 - 120
Dibromofluoromethane (Surr)	121	X	60 - 120
Toluene-d8 (Surr)	105		79 - 123

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 440-183514/22

Matrix: Solid

Analysis Batch: 183514

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Volatile Fuel Hydrocarbons (C4-C12)	ND		0.10		mg/Kg			05/20/14 14:58	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Dibromofluoromethane (Surr)	108		60 - 120		05/20/14 14:58	1
4-Bromofluorobenzene (Surr)	104		79 - 120		05/20/14 14:58	1
Toluene-d8 (Surr)	105		79 - 123		05/20/14 14:58	1

Lab Sample ID: LCS 440-183514/9

Matrix: Solid

Analysis Batch: 183514

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Volatile Fuel Hydrocarbons (C4-C12)	1.00	0.887		mg/Kg		89	60 - 135

TestAmerica Irvine

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78759-1

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 440-183514/9

Matrix: Solid

Analysis Batch: 183514

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	110		60 - 120
4-Bromofluorobenzene (Surr)	108		79 - 120
Toluene-d8 (Surr)	105		79 - 123

Lab Sample ID: 440-78723-A-1 MS

Matrix: Solid

Analysis Batch: 183514

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Volatile Fuel Hydrocarbons (C4-C12)	ND		3.46	2.96		mg/Kg		86	55 - 140

Surrogate	MS		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	122	X	60 - 120
4-Bromofluorobenzene (Surr)	97		79 - 120
Toluene-d8 (Surr)	103		79 - 123

Lab Sample ID: 440-78723-A-1 MSD

Matrix: Solid

Analysis Batch: 183514

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Volatile Fuel Hydrocarbons (C4-C12)	ND		3.44	2.85		mg/Kg		83	55 - 140	4	25

Surrogate	MSD		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	121	X	60 - 120
4-Bromofluorobenzene (Surr)	98		79 - 120
Toluene-d8 (Surr)	105		79 - 123

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: 440-78489-B-1-E MS

Matrix: Solid

Analysis Batch: 183823

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 183351

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
1,2,4-Trichlorobenzene	ND		3.30	2.21		mg/Kg		67	40 - 120
1,2-Dichlorobenzene	ND		3.30	1.99		mg/Kg		61	40 - 120
1,2-Diphenylhydrazine(as Azobenzene)	ND		3.30	2.62		mg/Kg		80	50 - 125
1,3-Dichlorobenzene	ND		3.30	1.85		mg/Kg		56	35 - 120
1,4-Dichlorobenzene	ND		3.30	1.86		mg/Kg		56	35 - 120
2,4,5-Trichlorophenol	ND		3.30	2.95		mg/Kg		90	45 - 120
2,4,6-Trichlorophenol	ND		3.30	2.91		mg/Kg		88	45 - 120
2,4-Dichlorophenol	ND		3.30	2.69		mg/Kg		82	45 - 120
2,4-Dimethylphenol	ND		3.30	2.68		mg/Kg		81	30 - 120
2,4-Dinitrophenol	ND		3.30	1.92		mg/Kg		58	20 - 120

TestAmerica Irvine

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78759-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-78489-B-1-E MS

Matrix: Solid

Analysis Batch: 183823

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 183351

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
2,4-Dinitrotoluene	ND		3.30	2.68		mg/Kg		81	50 - 125
2,6-Dinitrotoluene	ND		3.30	2.61		mg/Kg		79	50 - 125
2-Chloronaphthalene	ND		3.30	2.49		mg/Kg		76	45 - 120
2-Chlorophenol	ND		3.30	2.53		mg/Kg		77	40 - 120
2-Methylnaphthalene	ND		3.30	2.42		mg/Kg		73	40 - 120
2-Methylphenol	ND		3.30	2.75		mg/Kg		83	40 - 120
2-Nitroaniline	ND		3.30	2.84		mg/Kg		86	45 - 120
2-Nitrophenol	ND		3.30	2.41		mg/Kg		73	40 - 120
3,3'-Dichlorobenzidine	ND		3.30	2.16		mg/Kg		65	20 - 130
3-Nitroaniline	ND		3.30	2.39		mg/Kg		72	30 - 120
4,6-Dinitro-2-methylphenol	ND		3.30	2.23		mg/Kg		68	35 - 120
4-Bromophenyl phenyl ether	ND		3.30	2.56		mg/Kg		78	45 - 120
4-Chloro-3-methylphenol	ND		3.30	2.97		mg/Kg		90	50 - 125
4-Chloroaniline	ND		3.30	2.27		mg/Kg		69	20 - 120
4-Chlorophenyl phenyl ether	ND		3.30	2.55		mg/Kg		77	50 - 120
3-Methylphenol + 4-Methylphenol	ND		3.30	2.87		mg/Kg		87	50 - 120
4-Nitroaniline	ND		3.30	2.46		mg/Kg		75	40 - 125
4-Nitrophenol	ND		3.30	2.64		mg/Kg		80	35 - 125
Acenaphthene	ND		3.30	2.48		mg/Kg		75	45 - 120
Acenaphthylene	ND		3.30	2.53		mg/Kg		77	45 - 120
Aniline	ND		3.30	2.17		mg/Kg		66	25 - 120
Anthracene	ND		3.30	2.72		mg/Kg		83	55 - 120
Benzidine	ND		3.30	1.54		mg/Kg		47	20 - 120
Benzo[a]anthracene	ND		3.30	2.67		mg/Kg		81	50 - 120
Benzo[a]pyrene	ND		3.30	2.70		mg/Kg		82	45 - 125
Benzo[b]fluoranthene	ND		3.30	2.77		mg/Kg		84	45 - 125
Benzo[g,h,i]perylene	ND		3.30	3.64		mg/Kg		110	25 - 130
Benzo[k]fluoranthene	ND		3.30	2.86		mg/Kg		87	45 - 125
Benzoic acid	ND		3.30	1.75		mg/Kg		53	20 - 120
Benzyl alcohol	ND		3.30	2.37		mg/Kg		72	20 - 120
Bis(2-chloroethoxy)methane	ND		3.30	2.37		mg/Kg		72	45 - 120
Bis(2-chloroethyl)ether	ND		3.30	2.09		mg/Kg		63	35 - 110
Bis(2-ethylhexyl) phthalate	ND		3.30	2.98		mg/Kg		90	45 - 130
Butyl benzyl phthalate	ND		3.30	2.78		mg/Kg		84	45 - 125
Chrysene	ND		3.30	2.53		mg/Kg		77	55 - 120
Dibenz(a,h)anthracene	ND		3.30	3.01		mg/Kg		91	25 - 135
Dibenzofuran	ND		3.30	2.53		mg/Kg		77	50 - 120
Diethyl phthalate	ND		3.30	2.60		mg/Kg		79	50 - 125
Dimethyl phthalate	ND		3.30	2.52		mg/Kg		77	45 - 125
Di-n-butyl phthalate	ND *		3.30	2.72		mg/Kg		83	50 - 125
Di-n-octyl phthalate	ND		3.30	2.93		mg/Kg		89	50 - 135
Fluoranthene	ND		3.30	2.66		mg/Kg		81	45 - 120
Fluorene	ND		3.30	2.62		mg/Kg		80	50 - 120
Hexachlorobenzene	ND		3.30	2.51		mg/Kg		76	50 - 120
Hexachlorobutadiene	ND		3.30	2.17		mg/Kg		66	40 - 120
Hexachlorocyclopentadiene	ND		3.30	1.69		mg/Kg		51	20 - 125
Hexachloroethane	ND		3.30	1.95		mg/Kg		59	35 - 120
Indeno[1,2,3-cd]pyrene	ND		3.30	2.96		mg/Kg		90	20 - 130

TestAmerica Irvine

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78759-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-78489-B-1-E MS

Matrix: Solid

Analysis Batch: 183823

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 183351

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Isophorone	ND		3.30	2.33		mg/Kg		71	40 - 120
Naphthalene	ND		3.30	2.27		mg/Kg		69	40 - 120
Nitrobenzene	ND		3.30	2.14		mg/Kg		65	40 - 120
N-Nitrosodi-n-propylamine	ND		3.30	2.44		mg/Kg		74	35 - 120
N-Nitrosodiphenylamine	ND *		3.30	2.62		mg/Kg		80	45 - 125
Pentachlorophenol	ND		3.30	2.67		mg/Kg		81	30 - 120
Phenanthrene	ND		3.30	2.62		mg/Kg		79	50 - 120
Phenol	ND		3.30	2.79		mg/Kg		85	40 - 120
Pyrene	ND		3.30	2.57		mg/Kg		78	40 - 125
bis (2-chloroisopropyl) ether	ND		3.30	2.24		mg/Kg		68	40 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	73		35 - 120
2-Fluorophenol (Surr)	67		25 - 120
2,4,6-Tribromophenol (Surr)	84		35 - 125
Nitrobenzene-d5 (Surr)	64		30 - 120
Terphenyl-d14 (Surr)	75		40 - 135
Phenol-d6 (Surr)	67		35 - 120

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 440-183525/1-A

Matrix: Solid

Analysis Batch: 183605

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 183525

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		5.0		mg/Kg		05/20/14 12:26	05/20/14 17:42	1
ORO (C29-C40)	ND		5.0		mg/Kg		05/20/14 12:26	05/20/14 17:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	88		40 - 140	05/20/14 12:26	05/20/14 17:42	1

Lab Sample ID: LCS 440-183525/2-A

Matrix: Solid

Analysis Batch: 183608

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 183525

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
DRO (C10-C28)	66.7	59.7		mg/Kg		89	45 - 115

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane	85		40 - 140

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78759-1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 440-78530-H-9-A MS

Matrix: Solid

Analysis Batch: 183608

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 183525

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
DRO (C10-C28)	ND		66.5	45.2		mg/Kg		68	40 - 120		
Surrogate	%Recovery	MS Qualifier	MS Limits								
n-Octacosane	66		40 - 140								

Lab Sample ID: 440-78530-H-9-B MSD

Matrix: Solid

Analysis Batch: 183608

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 183525

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
DRO (C10-C28)	ND		66.4	50.4		mg/Kg		76	40 - 120	11	30
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
n-Octacosane	74		40 - 140								

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-183551/1-A ^5

Matrix: Solid

Analysis Batch: 183717

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 183551

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		mg/Kg		05/20/14 12:36	05/20/14 19:52	5
Zinc	ND		5.0		mg/Kg		05/20/14 12:36	05/20/14 19:52	5
Nickel	ND		2.0		mg/Kg		05/20/14 12:36	05/20/14 19:52	5
Chromium	ND		1.0		mg/Kg		05/20/14 12:36	05/20/14 19:52	5
Cadmium	ND		0.50		mg/Kg		05/20/14 12:36	05/20/14 19:52	5

Lab Sample ID: LCS 440-183551/2-A ^5

Matrix: Solid

Analysis Batch: 183717

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 183551

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Lead	49.8	50.6		mg/Kg		102	80 - 120	
Zinc	49.8	44.8		mg/Kg		90	80 - 120	
Nickel	49.8	50.0		mg/Kg		101	80 - 120	
Chromium	49.8	49.5		mg/Kg		100	80 - 120	
Cadmium	49.8	49.1		mg/Kg		99	80 - 120	

Lab Sample ID: 440-78730-A-9-D MS ^5

Matrix: Solid

Analysis Batch: 183717

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 183551

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
Lead	2.1		49.8	49.2		mg/Kg		95	75 - 125	
Zinc	26		49.8	68.7		mg/Kg		85	75 - 125	
Nickel	56		49.8	103		mg/Kg		94	75 - 125	
Chromium	67		49.8	113		mg/Kg		91	75 - 125	

TestAmerica Irvine

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78759-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 440-78730-A-9-D MS ^5

Matrix: Solid

Analysis Batch: 183717

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 183551

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	ND		49.8	46.1		mg/Kg		93	75 - 125

Lab Sample ID: 440-78730-A-9-E MSD ^5

Matrix: Solid

Analysis Batch: 183717

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 183551

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	2.1		49.3	48.2		mg/Kg		93	75 - 125	2	20
Zinc	26		49.3	69.7		mg/Kg		88	75 - 125	1	20
Nickel	56		49.3	103		mg/Kg		96	75 - 125	0	20
Chromium	67		49.3	119		mg/Kg		106	75 - 125	6	20
Cadmium	ND		49.3	46.1		mg/Kg		94	75 - 125	0	20

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78759-1

GC/MS VOA

Analysis Batch: 183513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-78723-A-1 MS	Matrix Spike	Total/NA	Solid	8260B	
440-78723-A-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	
440-78759-5	SP-1	Total/NA	Solid	8260B	
LCS 440-183513/8	Lab Control Sample	Total/NA	Solid	8260B	
MB 440-183513/22	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 183514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-78723-A-1 MS	Matrix Spike	Total/NA	Solid	8260B/CA_LUFT MS	
440-78723-A-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B/CA_LUFT MS	
440-78759-5	SP-1	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 440-183514/9	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
MB 440-183514/22	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

GC/MS Semi VOA

Prep Batch: 183351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-78489-B-1-E MS	Matrix Spike	Total/NA	Solid	3546	
440-78759-5	SP-1	Total/NA	Solid	3546	

Analysis Batch: 183823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-78489-B-1-E MS	Matrix Spike	Total/NA	Solid	8270C	183351

Analysis Batch: 184438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-78759-5	SP-1	Total/NA	Solid	8270C	183351

GC Semi VOA

Prep Batch: 183525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-78530-H-9-A MS	Matrix Spike	Total/NA	Solid	3546	
440-78530-H-9-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	
440-78759-5	SP-1	Total/NA	Solid	3546	
LCS 440-183525/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 440-183525/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 183605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 440-183525/1-A	Method Blank	Total/NA	Solid	8015B	183525

Analysis Batch: 183607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-78759-5	SP-1	Total/NA	Solid	8015B	183525

TestAmerica Irvine

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78759-1

GC Semi VOA (Continued)

Analysis Batch: 183608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-78530-H-9-A MS	Matrix Spike	Total/NA	Solid	8015B	183525
440-78530-H-9-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	183525
LCS 440-183525/2-A	Lab Control Sample	Total/NA	Solid	8015B	183525

Metals

Prep Batch: 183551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-78730-A-9-D MS ^5	Matrix Spike	Total/NA	Solid	3050B	
440-78730-A-9-E MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	3050B	
440-78759-5	SP-1	Total/NA	Solid	3050B	
LCS 440-183551/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
MB 440-183551/1-A ^5	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 183717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-78730-A-9-D MS ^5	Matrix Spike	Total/NA	Solid	6010B	183551
440-78730-A-9-E MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	6010B	183551
440-78759-5	SP-1	Total/NA	Solid	6010B	183551
LCS 440-183551/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	183551
MB 440-183551/1-A ^5	Method Blank	Total/NA	Solid	6010B	183551

Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78759-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
X	Surrogate is outside control limits
*	LCS or LCSD exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78759-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-14
Arizona	State Program	9	AZ0671	10-13-14
California	LA Cty Sanitation Districts	9	10256	01-31-15
California	State Program	9	2706	06-30-14
Guam	State Program	9	Cert. No. 12.002r	01-23-15
Hawaii	State Program	9	N/A	01-29-15 *
Nevada	State Program	9	CA015312007A	07-31-14
New Mexico	State Program	6	N/A	01-29-15
Northern Mariana Islands	State Program	9	MP0002	01-31-14 *
Oregon	NELAP	10	4005	01-29-15
USDA	Federal		P330-09-00080	06-06-15
USEPA UCMR	Federal	1	CA01531	01-31-15

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Irvine

LAB (LOCATION)

- CALSCIENCE ()
- SPL ()
- XENCO ()
- TEST AMERICA ()
- OTHER ()



Shell Oil Products Chain Of Custody Record

Please Check Appropriate Box:

<input type="checkbox"/> ENV. SERVICES	<input type="checkbox"/> MOTIVA RETAIL	<input type="checkbox"/> SHELL RETAIL
<input type="checkbox"/> MOTIVA SO&CM	<input checked="" type="checkbox"/> CONSULTANT	<input type="checkbox"/> LUBES
<input type="checkbox"/> SHELL PIPELINE	<input type="checkbox"/> OTHER	

Print Bill To Contact Name: **Peter Schaefer - 240467**

INCIDENT # (ENV SERVICES): 9 7 5 6 4 7 0 1

PO #: _____ SAP #: _____

DATE: 5/16/2014

PAGE: 1 of 1

SAMPLING COMPANY: **Conestoga-Rovers & Associates**

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

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

TELEPHONE: 510-420-3319 FAX: 510-420-9170 EMAIL: pschaefer@croworld.com

RUSH

LOG CODE: _____

SITE ADDRESS: Street and City: **1601 Webster Street, Alameda** State: **CA** GLOBAL ID NO: **T0600137103**

EDP DELIVERABLE TO (Name, Company, Office Location): **Brenda Carter, CRA, Emeryville** PHONE NO: **510-420-3343** EMAIL: **shell_em.edf@croworld.com** CONSULTANT PROJECT NO: **240467-2014-04**

SAMPLER NAME(S) (Print): **Katherine Ward**

TURNAROUND TIME (CALENDAR DAYS):

STANDARD (14 DAY) 5 DAYS 3 DAYS 2 DAYS 24 HOURS

LA - RWQCB REPORT FORMAT LIST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES:

Marked TAT except for those contingent tests needed for Aquatic

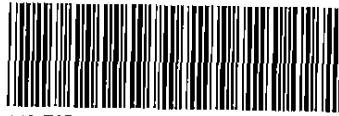
cc. Bbarlow@croworld.com, Deisman@croworld.com and Shell.Lab.Billing@croworld.com Call

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification (use field point names)	SAMPLING		MATRIX	PRESERVATIVE					NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTX + MTBE + TBA + naphthalene (8260B)	6 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)	Metals: cadmium, chromium, lead, nickel, and zinc (6020)	SVOCs (8270C)	VOCs (8260B)	PCBs (8082)	Test for disposal (See Attached)	TEMPERATURE ON RECEIPT C°
		DATE	TIME		HCL	HNO3	H2SO4	NONE	OTHER																					Container PID Readings or Laboratory Notes
	SR-1A	5/16/2014	1317	SO						1	X	X	X																Call	
	SP-1B	5/16/2014	1310	SO						1	X	X	X																composite sample IDs	
	SP-1C	5/16/2014	1311	SO						1	X	X	X																SP-1, SP-2, ETC	
	SP-1D	5/16/2014	1310	SO						1	X	X	X																	
	SP-1A	5/16/2014	1315	Pea Gravel					X	1	X	X	X										X	X	X			Per Contingency Sheet,		
	SP-1B	5/16/2014	1317	Pea Gravel					X	1	X	X	X										X	X	X			for Solids & Liquids;		
	SP-1C	5/16/2014	1319	Pea Gravel					X	1	X	X	X										X	X	X			run STLC and / or TCLP		
	SP-1D	5/16/2014	1321	Pea Gravel					X	1	X	X	X										X	X	X			as needed.		
																													Solids ONLY;	
																													run Fish Toxicity	

Relinquished by (Signature): <i>Katherine Ward</i>	Received by (Signature): <i>Emeryville Office</i>	Date: 5/16/14	Time: 1430
Relinquished by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 5/16/14	Time: 1547
Relinquished by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 5/16/14	Time: 1715

Jo Bank 5/16/14 17:55 *Chris 5-19-14 0940* *11.1°C*



440-78759 Chain of Custody

5986 9212 9653 2.10/2.3 12-59

California Contingent Analyses - Metals

Metal	Trigger level TTLC (mg/kg)	Requirement (based on CCR 66261.24) [Both Solids and Liquids]
Antimony	150	STLC required if TTLC \geq 150 mg/kg
Arsenic	50/100	STLC required if TTLC \geq 50 mg/kg; TCLP required if TTLC \geq 100 mg/kg
Barium	1,000/2,000	STLC required if TTLC \geq 1,000 mg/kg; TCLP required if TTLC \geq 2,000 mg/kg
Beryllium	7.5	STLC required if TTLC \geq 7.5 mg/kg
Cadmium	10/20	STLC required if TTLC \geq 10 mg/kg; TCLP required if TTLC \geq 20 mg/kg
Chromium	50/100	STLC required if TTLC \geq 50 mg/kg; TCLP required if TTLC \geq 100 mg/kg
Cobalt	800	STLC required if TTLC \geq 800 mg/kg
Copper	250	STLC required if TTLC \geq 250 mg/kg
Lead	13/50/100	Organic lead required if TTLC lead \geq 13 mg/kg STLC required if TTLC \geq 50 mg/kg; TCLP required if TTLC \geq 100 mg/kg
Mercury	2/4	STLC required if TTLC \geq 2 mg/kg; TCLP required if TTLC \geq 4 mg/kg
Molybdenum	3,500	STLC required if TTLC \geq 350 mg/kg
Nickel	200	STLC required if TTLC \geq 200 mg/kg
Selenium	10/20	STLC required if TTLC \geq 10 mg/kg; TCLP required if TTLC \geq 20 mg/kg
Silver	50/100	STLC required if TTLC \geq 50 mg/kg; TCLP required if TTLC \geq 100 mg/kg
Thallium	70	STLC required if TTLC \geq 70 mg/kg
Vanadium	240	STLC required if TTLC \geq 240 mg/kg
Zinc	2,500	STLC required if TTLC \geq 2,500 mg/kg

California Contingent Analyses - Organics

Organic Constituents	Trigger level TTLC (mg/kg)	Requirement (based on CCR 66261.24) [Both Solids and Liquids]
Benzene	10	TCLP benzene required if TTLC \geq 10 mg/kg
Pentachlorophenol	1.7	STLC required if TTLC \geq 1.7
Trichloroethylene	10/204	STLC required if TTLC \geq 10 mg/kg; TCLP required if TTLC \geq 204 mg/kg

Organic Constituents	(mg/kg)	Requirements based on TSDf permits [ONLY for Solids if they meet the below criteria]
TPHd	20,000	Requires fish bioassay (Acute Aquatic 96 hr LC 50)
TPHg	5,900	Requires fish bioassay (Acute Aquatic 96 hr LC 50)
TPHmo	10,000	Requires fish bioassay (Acute Aquatic 96 hr LC 50)
TRPH (tot rec pet hc)	5,000	Requires fish bioassay (Acute Aquatic 96 hr LC 50)

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 440-78759-1

Login Number: 78759

List Number: 1

Creator: Kim, Guerry

List Source: TestAmerica Irvine

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	False	Composite
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Irvine

17461 Derian Ave

Suite 100

Irvine, CA 92614-5817

Tel: (949)261-1022

TestAmerica Job ID: 440-80462-1

Client Project/Site: 1601 Webster St., Alameda, CA

For:


Conestoga-Rovers & Associates, Inc.

5900 Hollis Street

Suite A

Emeryville, California 94608

Attn: Peter Schaefer



Authorized for release by:

6/11/2014 4:35:45 PM

Heather Clark, Project Manager I

(949)261-1022

heather.clark@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-80462-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-80462-5	SP-1A-D (Composite)	Solid	06/09/14 12:10	06/10/14 09:50

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-80462-1

Job ID: 440-80462-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-80462-1

Comments

No additional comments.

Receipt

The samples were received on 6/10/2014 9:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.5° C.

GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.



Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-80462-1

Client Sample ID: SP-1A-D (Composite)

Lab Sample ID: 440-80462-5

Date Collected: 06/09/14 12:10

Matrix: Solid

Date Received: 06/10/14 09:50

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	0.22		0.099		mg/Kg			06/11/14 10:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	100		60 - 120					06/11/14 10:52	1
4-Bromofluorobenzene (Surr)	104		79 - 120					06/11/14 10:52	1
Toluene-d8 (Surr)	101		79 - 123					06/11/14 10:52	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00099		mg/Kg			06/11/14 10:52	1
Ethylbenzene	ND		0.00099		mg/Kg			06/11/14 10:52	1
Toluene	ND		0.00099		mg/Kg			06/11/14 10:52	1
Xylenes, Total	ND		0.0020		mg/Kg			06/11/14 10:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		79 - 120					06/11/14 10:52	1
Dibromofluoromethane (Surr)	100		60 - 120					06/11/14 10:52	1
Toluene-d8 (Surr)	101		79 - 123					06/11/14 10:52	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		5.0		mg/Kg		06/10/14 20:25	06/11/14 10:29	1
ORO (C29-C40)	ND		5.0		mg/Kg		06/10/14 20:25	06/11/14 10:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
n-Octacosane	78		40 - 140				06/10/14 20:25	06/11/14 10:29	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9		mg/Kg		06/11/14 09:04	06/11/14 15:52	5
Arsenic	ND		3.0		mg/Kg		06/11/14 09:04	06/11/14 15:52	5
Barium	53		1.5		mg/Kg		06/11/14 09:04	06/11/14 15:52	5
Beryllium	ND		0.50		mg/Kg		06/11/14 09:04	06/11/14 15:52	5
Cadmium	ND		0.50		mg/Kg		06/11/14 09:04	06/11/14 15:52	5
Chromium	28		0.99		mg/Kg		06/11/14 09:04	06/11/14 15:52	5
Cobalt	5.4		0.99		mg/Kg		06/11/14 09:04	06/11/14 15:52	5
Copper	9.9		2.0		mg/Kg		06/11/14 09:04	06/11/14 15:52	5
Lead	3.9		2.0		mg/Kg		06/11/14 09:04	06/11/14 15:52	5
Molybdenum	ND		2.0		mg/Kg		06/11/14 09:04	06/11/14 15:52	5
Nickel	37		2.0		mg/Kg		06/11/14 09:04	06/11/14 15:52	5
Selenium	ND		3.0		mg/Kg		06/11/14 09:04	06/11/14 15:52	5
Thallium	ND		9.9		mg/Kg		06/11/14 09:04	06/11/14 15:52	5
Vanadium	19		0.99		mg/Kg		06/11/14 09:04	06/11/14 15:52	5
Zinc	26		5.0		mg/Kg		06/11/14 09:04	06/11/14 15:52	5
Silver	ND		1.5		mg/Kg		06/11/14 09:04	06/11/14 15:52	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.045		0.020		mg/Kg		06/11/14 09:15	06/11/14 14:05	1

TestAmerica Irvine

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-80462-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL IRV
8260B/CA_LUFTM S	Volatile Organic Compounds by GC/MS	SW846	TAL IRV
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL IRV
6010B	Metals (ICP)	SW846	TAL IRV
7471A	Mercury (CVAA)	SW846	TAL IRV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022



Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-80462-1

Client Sample ID: SP-1A-D (Composite)

Lab Sample ID: 440-80462-5

Date Collected: 06/09/14 12:10

Matrix: Solid

Date Received: 06/10/14 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.03 g	10 mL	187898	06/11/14 10:52	AL	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	5.03 g	10 mL	187899	06/11/14 10:52	AL	TAL IRV
Total/NA	Prep	3546			15.14 g	1 mL	187867	06/10/14 20:25	SJ	TAL IRV
Total/NA	Analysis	8015B		1	15.14 g	1 mL	187977	06/11/14 10:29	EI	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	187920	06/11/14 09:04	DT	TAL IRV
Total/NA	Analysis	6010B		5	2.02 g	50 mL	188079	06/11/14 15:52	EN	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	187925	06/11/14 09:15	JS1	TAL IRV
Total/NA	Analysis	7471A		1	0.50 g	50 mL	188038	06/11/14 14:05	DB	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022



QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-80462-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 440-187898/4

Matrix: Solid

Analysis Batch: 187898

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0010		mg/Kg			06/11/14 08:05	1
Ethylbenzene	ND		0.0010		mg/Kg			06/11/14 08:05	1
Toluene	ND		0.0010		mg/Kg			06/11/14 08:05	1
Xylenes, Total	ND		0.0020		mg/Kg			06/11/14 08:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		79 - 120		06/11/14 08:05	1
Dibromofluoromethane (Surr)	99		60 - 120		06/11/14 08:05	1
Toluene-d8 (Surr)	104		79 - 123		06/11/14 08:05	1

Lab Sample ID: LCS 440-187898/5

Matrix: Solid

Analysis Batch: 187898

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0524		mg/Kg		105	65 - 120
Ethylbenzene	0.0500	0.0544		mg/Kg		109	70 - 125
m,p-Xylene	0.100	0.104		mg/Kg		104	70 - 125
o-Xylene	0.0500	0.0514		mg/Kg		103	70 - 125
Toluene	0.0500	0.0527		mg/Kg		105	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		79 - 120
Dibromofluoromethane (Surr)	99		60 - 120
Toluene-d8 (Surr)	103		79 - 123

Lab Sample ID: 440-80433-A-2 MS

Matrix: Solid

Analysis Batch: 187898

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		0.0500	0.0519		mg/Kg		104	65 - 130
Ethylbenzene	ND		0.0500	0.0520		mg/Kg		104	70 - 135
m,p-Xylene	ND		0.100	0.0987		mg/Kg		99	70 - 130
o-Xylene	ND		0.0500	0.0479		mg/Kg		96	65 - 130
Toluene	ND		0.0500	0.0527		mg/Kg		105	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		79 - 120
Dibromofluoromethane (Surr)	99		60 - 120
Toluene-d8 (Surr)	104		79 - 123

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-80462-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-80433-A-2 MSD

Matrix: Solid

Analysis Batch: 187898

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec.		RPD	Limit
				Result	Qualifier				Limits	RPD		
Benzene	ND		0.0501	0.0523		mg/Kg		104	65 - 130	1	20	
Ethylbenzene	ND		0.0501	0.0530		mg/Kg		106	70 - 135	2	25	
m,p-Xylene	ND		0.100	0.100		mg/Kg		100	70 - 130	1	25	
o-Xylene	ND		0.0501	0.0500		mg/Kg		100	65 - 130	4	25	
Toluene	ND		0.0501	0.0530		mg/Kg		106	70 - 130	1	20	

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		79 - 120
Dibromofluoromethane (Surr)	101		60 - 120
Toluene-d8 (Surr)	104		79 - 123

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 440-187899/4

Matrix: Solid

Analysis Batch: 187899

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Volatile Fuel Hydrocarbons (C4-C12)	ND		0.10		mg/Kg			06/11/14 08:05	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Dibromofluoromethane (Surr)	99		60 - 120		06/11/14 08:05	1
4-Bromofluorobenzene (Surr)	102		79 - 120		06/11/14 08:05	1
Toluene-d8 (Surr)	104		79 - 123		06/11/14 08:05	1

Lab Sample ID: LCS 440-187899/6

Matrix: Solid

Analysis Batch: 187899

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec.	
		Result	Qualifier				Limits	RPD
Volatile Fuel Hydrocarbons (C4-C12)	1.00	0.880		mg/Kg		88	60 - 135	

Surrogate	LCS		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	101		60 - 120
4-Bromofluorobenzene (Surr)	104		79 - 120
Toluene-d8 (Surr)	104		79 - 123

Lab Sample ID: 440-80433-A-2 MS

Matrix: Solid

Analysis Batch: 187899

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec.	
				Result	Qualifier				Limits	RPD
Volatile Fuel Hydrocarbons (C4-C12)	0.61		3.45	4.17		mg/Kg		103	55 - 140	

TestAmerica Irvine

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-80462-1

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 440-80433-A-2 MS

Matrix: Solid

Analysis Batch: 187899

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	99		60 - 120
4-Bromofluorobenzene (Surr)	101		79 - 120
Toluene-d8 (Surr)	104		79 - 123

Lab Sample ID: 440-80433-A-2 MSD

Matrix: Solid

Analysis Batch: 187899

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Volatile Fuel Hydrocarbons (C4-C12)	0.61		3.46	4.19		mg/Kg		103	55 - 140	0	25

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	101		60 - 120
4-Bromofluorobenzene (Surr)	104		79 - 120
Toluene-d8 (Surr)	104		79 - 123

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 440-187867/1-A

Matrix: Solid

Analysis Batch: 187972

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 187867

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		5.0		mg/Kg		06/10/14 20:25	06/11/14 10:29	1
ORO (C29-C40)	ND		5.0		mg/Kg		06/10/14 20:25	06/11/14 10:29	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
n-Octacosane	75		40 - 140	06/10/14 20:25	06/11/14 10:29	1

Lab Sample ID: LCS 440-187867/2-A

Matrix: Solid

Analysis Batch: 187972

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 187867

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
DRO (C10-C28)	66.7	51.4		mg/Kg		77	45 - 115

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
n-Octacosane	75		40 - 140

Lab Sample ID: 440-80354-A-63-B MS

Matrix: Solid

Analysis Batch: 187972

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 187867

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
DRO (C10-C28)	ND		64.6	44.9		mg/Kg		70	40 - 120

TestAmerica Irvine

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-80462-1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 440-80354-A-63-B MS
Matrix: Solid
Analysis Batch: 187972

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 187867

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
n-Octacosane	75		40 - 140

Lab Sample ID: 440-80354-A-63-C MSD
Matrix: Solid
Analysis Batch: 187972

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 187867

Analyte	Sample	Sample	Spike	MSD MSD		Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits	RPD		
DRO (C10-C28)	ND		64.9	46.4		mg/Kg		71	40 - 120	3	30	

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
n-Octacosane	76		40 - 140

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-187920/1-A ^5
Matrix: Solid
Analysis Batch: 188079

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 187920

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	ND		10		mg/Kg		06/11/14 09:04	06/11/14 15:42	5
Arsenic	ND		3.0		mg/Kg		06/11/14 09:04	06/11/14 15:42	5
Barium	ND		1.5		mg/Kg		06/11/14 09:04	06/11/14 15:42	5
Beryllium	ND		0.50		mg/Kg		06/11/14 09:04	06/11/14 15:42	5
Cadmium	ND		0.50		mg/Kg		06/11/14 09:04	06/11/14 15:42	5
Chromium	ND		1.0		mg/Kg		06/11/14 09:04	06/11/14 15:42	5
Cobalt	ND		1.0		mg/Kg		06/11/14 09:04	06/11/14 15:42	5
Copper	ND		2.0		mg/Kg		06/11/14 09:04	06/11/14 15:42	5
Lead	ND		2.0		mg/Kg		06/11/14 09:04	06/11/14 15:42	5
Molybdenum	ND		2.0		mg/Kg		06/11/14 09:04	06/11/14 15:42	5
Nickel	ND		2.0		mg/Kg		06/11/14 09:04	06/11/14 15:42	5
Selenium	ND		3.0		mg/Kg		06/11/14 09:04	06/11/14 15:42	5
Thallium	ND		10		mg/Kg		06/11/14 09:04	06/11/14 15:42	5
Vanadium	ND		1.0		mg/Kg		06/11/14 09:04	06/11/14 15:42	5
Zinc	ND		5.0		mg/Kg		06/11/14 09:04	06/11/14 15:42	5
Silver	ND		1.5		mg/Kg		06/11/14 09:04	06/11/14 15:42	5

Lab Sample ID: LCS 440-187920/2-A ^5
Matrix: Solid
Analysis Batch: 188079

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 187920

Analyte	Spike	LCS LCS		Unit	D	%Rec	%Rec.	
		Added	Result				Qualifier	Limits
Antimony	50.0	45.5		mg/Kg		91	80 - 120	
Arsenic	50.0	45.5		mg/Kg		91	80 - 120	
Barium	50.0	48.2		mg/Kg		96	80 - 120	
Beryllium	50.0	47.0		mg/Kg		94	80 - 120	
Cadmium	50.0	48.2		mg/Kg		96	80 - 120	
Chromium	50.0	47.1		mg/Kg		94	80 - 120	
Cobalt	50.0	46.9		mg/Kg		94	80 - 120	

TestAmerica Irvine

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-80462-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 440-187920/2-A ^5

Matrix: Solid

Analysis Batch: 188079

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 187920

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	50.0	47.0		mg/Kg		94	80 - 120
Lead	50.0	47.9		mg/Kg		96	80 - 120
Molybdenum	50.0	45.1		mg/Kg		90	80 - 120
Nickel	50.0	47.6		mg/Kg		95	80 - 120
Selenium	50.0	43.7		mg/Kg		87	80 - 120
Thallium	50.0	47.4		mg/Kg		95	80 - 120
Vanadium	50.0	47.4		mg/Kg		95	80 - 120
Zinc	50.0	44.8		mg/Kg		90	80 - 120
Silver	25.0	23.6		mg/Kg		94	80 - 120

Lab Sample ID: 440-80354-A-69-C MS ^5

Matrix: Solid

Analysis Batch: 188079

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 187920

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND		49.5	37.3		mg/Kg		75	75 - 125
Arsenic	ND		49.5	48.7		mg/Kg		98	75 - 125
Barium	8.5		49.5	66.8		mg/Kg		118	75 - 125
Beryllium	ND		49.5	49.0		mg/Kg		99	75 - 125
Cadmium	ND		49.5	49.3		mg/Kg		99	75 - 125
Chromium	5.9		49.5	57.8		mg/Kg		105	75 - 125
Cobalt	1.3		49.5	49.3		mg/Kg		97	75 - 125
Copper	ND		49.5	52.0		mg/Kg		102	75 - 125
Lead	ND		49.5	48.7		mg/Kg		98	75 - 125
Molybdenum	ND		49.5	46.2		mg/Kg		93	75 - 125
Nickel	ND		49.5	50.6		mg/Kg		100	75 - 125
Selenium	ND		49.5	44.6		mg/Kg		90	75 - 125
Thallium	ND		49.5	47.2		mg/Kg		95	75 - 125
Vanadium	18		49.5	72.3		mg/Kg		110	75 - 125
Zinc	7.1		49.5	58.6		mg/Kg		104	75 - 125
Silver	ND		24.8	23.6		mg/Kg		95	75 - 125

Lab Sample ID: 440-80354-A-69-D MSD ^5

Matrix: Solid

Analysis Batch: 188079

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 187920

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND		49.3	37.4		mg/Kg		76	75 - 125	0	20
Arsenic	ND		49.3	49.3		mg/Kg		100	75 - 125	1	20
Barium	8.5		49.3	61.9		mg/Kg		108	75 - 125	8	20
Beryllium	ND		49.3	48.7		mg/Kg		99	75 - 125	1	20
Cadmium	ND		49.3	50.4		mg/Kg		102	75 - 125	2	20
Chromium	5.9		49.3	56.7		mg/Kg		103	75 - 125	2	20
Cobalt	1.3		49.3	49.8		mg/Kg		98	75 - 125	1	20
Copper	ND		49.3	51.4		mg/Kg		101	75 - 125	1	20
Lead	ND		49.3	49.7		mg/Kg		101	75 - 125	2	20
Molybdenum	ND		49.3	46.7		mg/Kg		95	75 - 125	1	20
Nickel	ND		49.3	51.1		mg/Kg		101	75 - 125	1	20
Selenium	ND		49.3	45.0		mg/Kg		91	75 - 125	1	20

TestAmerica Irvine

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-80462-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 440-80354-A-69-D MSD ^5
 Matrix: Solid
 Analysis Batch: 188079

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 187920

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
Thallium	ND		49.3	48.6		mg/Kg		99	75 - 125	3	20
Vanadium	18		49.3	70.8		mg/Kg		107	75 - 125	2	20
Zinc	7.1		49.3	55.6		mg/Kg		98	75 - 125	5	20
Silver	ND		24.6	24.1		mg/Kg		98	75 - 125	2	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 440-187925/1-A
 Matrix: Solid
 Analysis Batch: 188038

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 187925

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.020		mg/Kg		06/11/14 09:15	06/11/14 13:01	1

Lab Sample ID: LCS 440-187925/2-A
 Matrix: Solid
 Analysis Batch: 188038

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 187925

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Mercury	0.800	0.773		mg/Kg		97	80 - 120

Lab Sample ID: 440-80265-A-1-D MS
 Matrix: Solid
 Analysis Batch: 188038

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 187925

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Mercury	ND		0.816	0.574		mg/Kg		70	70 - 130

Lab Sample ID: 440-80265-A-1-F MSD
 Matrix: Solid
 Analysis Batch: 188038

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 187925

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
Mercury	ND		0.784	0.575		mg/Kg		73	70 - 130	0	20

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-80462-1

GC/MS VOA

Analysis Batch: 187898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-80433-A-2 MS	Matrix Spike	Total/NA	Solid	8260B	
440-80433-A-2 MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	
440-80462-5	SP-1A-D (Composite)	Total/NA	Solid	8260B	
LCS 440-187898/5	Lab Control Sample	Total/NA	Solid	8260B	
MB 440-187898/4	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 187899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-80433-A-2 MS	Matrix Spike	Total/NA	Solid	8260B/CA_LUFT MS	
440-80433-A-2 MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B/CA_LUFT MS	
440-80462-5	SP-1A-D (Composite)	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 440-187899/6	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
MB 440-187899/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

GC Semi VOA

Prep Batch: 187867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-80354-A-63-B MS	Matrix Spike	Total/NA	Solid	3546	
440-80354-A-63-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	
440-80462-5	SP-1A-D (Composite)	Total/NA	Solid	3546	
LCS 440-187867/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 440-187867/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 187972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-80354-A-63-B MS	Matrix Spike	Total/NA	Solid	8015B	187867
440-80354-A-63-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	187867
LCS 440-187867/2-A	Lab Control Sample	Total/NA	Solid	8015B	187867
MB 440-187867/1-A	Method Blank	Total/NA	Solid	8015B	187867

Analysis Batch: 187977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-80462-5	SP-1A-D (Composite)	Total/NA	Solid	8015B	187867

Metals

Prep Batch: 187920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-80354-A-69-C MS ^5	Matrix Spike	Total/NA	Solid	3050B	
440-80354-A-69-D MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	3050B	
440-80462-5	SP-1A-D (Composite)	Total/NA	Solid	3050B	
LCS 440-187920/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
MB 440-187920/1-A ^5	Method Blank	Total/NA	Solid	3050B	

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-80462-1

Metals (Continued)

Prep Batch: 187925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-80265-A-1-D MS	Matrix Spike	Total/NA	Solid	7471A	
440-80265-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	
440-80462-5	SP-1A-D (Composite)	Total/NA	Solid	7471A	
LCS 440-187925/2-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 440-187925/1-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 188038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-80265-A-1-D MS	Matrix Spike	Total/NA	Solid	7471A	187925
440-80265-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	187925
440-80462-5	SP-1A-D (Composite)	Total/NA	Solid	7471A	187925
LCS 440-187925/2-A	Lab Control Sample	Total/NA	Solid	7471A	187925
MB 440-187925/1-A	Method Blank	Total/NA	Solid	7471A	187925

Analysis Batch: 188079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-80354-A-69-C MS ^5	Matrix Spike	Total/NA	Solid	6010B	187920
440-80354-A-69-D MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	6010B	187920
440-80462-5	SP-1A-D (Composite)	Total/NA	Solid	6010B	187920
LCS 440-187920/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	187920
MB 440-187920/1-A ^5	Method Blank	Total/NA	Solid	6010B	187920

Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-80462-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-80462-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-14 *
Arizona	State Program	9	AZ0671	10-13-14
California	LA Cty Sanitation Districts	9	10256	01-31-15
California	State Program	9	2706	06-30-14 *
Guam	State Program	9	Cert. No. 12.002r	01-23-15
Hawaii	State Program	9	N/A	01-29-15 *
Nevada	State Program	9	CA015312007A	07-31-14
New Mexico	State Program	6	N/A	01-29-15
Northern Mariana Islands	State Program	9	MP0002	01-31-14 *
Oregon	NELAP	10	4005	01-29-15
USDA	Federal		P330-09-00080	06-06-15
USEPA UCMR	Federal	1	CA01531	01-31-15

* Certification renewal pending - certification considered valid.

TestAmerica Irvine

28



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 - 240467-SA-01**

INCIDENT # (ENV SERVICES) 9 7 5 6 4 7 0 1

PO # _____ SAP # _____

DATE: 6/9/2014

PAGE: 1 of 1

SAMPLING COMPANY: **Conestoga-Rovers & Associates**

LOG CODE: **CRAW**

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

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

TELEPHONE: **510-420-3319** FAX: **510-420-9170** E-MAIL: **pschaefer@croworld.com**

SITE ADDRESS: Street and City: **1601 Webster St., Alameda** State: **CA** GLOBAL ID NO: **TO600137103**

EDP DELIVERABLE TO (Name, Company, Office Location): **Anni Kremi, CRA, Emeryville** PHONE NO: **510-420-3335** E-MAIL: **shell_em.edf@croworld.com** CONSULTANT PROJECT NO: **240464-SA-01**

SAMPLER NAME(S) (Print): **Peter Schaefer** LAB USE ONLY

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:

REQUESTED ANALYSIS

SPECIAL INSTRUCTIONS OR NOTES:

Marked TAT except for those contingent tests needed for Aquatic

SHELL CONTRACT RATE APPLIES

STATE REIMBURSEMENT RATE APPLIES

EDD NOT NEEDED

RECEIPT VERIFICATION REQUESTED

cc Bbarlow@croworld.com, Deisman@croworld.com and Shell.Lab.Billing@croworld.com

composite soil sample ID and field point name: SP-1

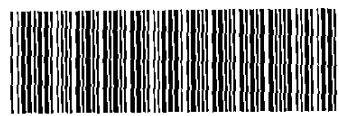
LAB USE ONLY	Field Sample Identification (use field point names)	SAMPLING		MATRIX	PRESERVATIVE					NO OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	TPH - MO (8015M)	CAM17 Metals - Total (8010)	SVOCs (8270C)	VOCs (8260)	PCBs (8082)	Test for disposal (See Attached)	TEMPERATURE ON RECEIPT °C	Container PID Readings or Laboratory Notes
		DATE	TIME		HCL	HNO3	H2SO4	NONE	OTHER																						
	SP-1A	6/9/14	120	SO						1	X	X	X											X	X				X	3.7/35	Call
	SP-1B	6/9/14	125	SO						1	X	X	X											X	X				X	PR 54	composite sample IDs
	SP-1C	6/9/14	120	SO						1	X	X	X											X	X				X		SP-1, SP-2, ETC
	SP-1D	6/9/14	1225	SO						1	X	X	X											X	X				X		
	W-2-AST			Water							X	X	X										X	X				X		Per Contingency Sheet, for Solids & Liquids; run STL and / or TCLP as needed. Solids ONLY; run Fish Toxicity	

RUSH

Reinquished by (Signature): <i>[Signature]</i>	Received by (Signature): <i>John Miller</i>	Date: 6-9-14	Time: 1325
Reinquished by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 6/10/14	Time: 950

Fed: 5986 9213 0896

05/206 Revision 24.42



440-80462 Chain of Custody

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6/11/2014



Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 440-80462-1

Login Number: 80462

List Number: 1

Creator: Soderblom, Tim

List Source: TestAmerica Irvine

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	False	COMPOSITE
Residual Chlorine Checked.	N/A	

APPENDIX B
WASTE MANIFESTS

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CAD981403249	2. Page 1 of 1	3. Emergency Response Phone 713 -241-225	4. Manifest Tracking Number 010403869 JJK		
5. Generator's Name and Mailing Address EQUILON ENTERPRISES LLC P. O. BOX 4253 - 700 Milan Street HOUSTON, TX 77210				Generator's Site Address (if different than mailing address) EQUILON ENTERPRISES 1501 WEBSTER STREET ALAMEDA, CA 94502			
6. Transporter 1 Company Name ADAMS SERVICES, INC.				U.S. EPA ID Number CA000189431			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address DEMENNO/KERDOON 2000 N. ALAMEDA STREET COMPTON, CA 90222				U.S. EPA ID Number CAT080013352			
Facility's Phone: 310 537-7100							
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
1.	NON-PCRA HAZARDOUS WASTE LIQUID (WATER WITH TRACE HYDROCARBONS)	1	TT	850	G	241	
2.	THIS WASTE STREAM HAS BEEN QUALIFIED FOR RECYCLING/TREATMENTS AT THE						
3.	DEMENNO / KERDOON FACILITY IN COMPTON, CALIFORNIA. THIS FACILITY HAS THE NECESSARY						
4.	PERMITS TO RECEIVE YOUR WASTE STREAM AS QUALIFIED. OUR EPA NUMBER IS CAT08001335						
14. Special Handling Instructions and Additional Information AVOID EYE CONTACT & WEAR RUBBER GLOVES 1) WATER WITH HYDROCARBONS ERG 128 GENERATOR: PARADISO MECHANICAL							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offoror's Printed/Typed Name Mark Fisher				Signature <i>[Signature]</i>		Month Day Year 05/15/14	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name CHRISTIE				Signature <i>[Signature]</i>		Month Day Year 05/15/14	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number: _____							
18b. Alternate Facility (or Generator)				U.S. EPA ID Number			
Facility's Phone: _____							
18c. Signature of Alternate Facility (or Generator)						Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.	2.	3.	4.				
11039							
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name Alfredo Peralta				Signature <i>[Signature]</i>		Month Day Year 5/23/14	

Certificate of Treatment/Recycling

ISSUED TO

EQUILON ENTERPRISES

FOR

MANIFEST NUMBER 010403869JJK

DATE RECEIVED 5/23/2014

The aqueous waste received on the above manifest will be treated to standards mandated by the FEDERAL CLEAN WATER ACT and to effluent requirements established by the Sanitation Districts of Los Angeles County. Waste treatment and recycling is performed under permits granted to DeMENNO/KERDOON, a California Corporation, by the California Department of Toxic Control (DTSC), in coordination with the Environmental Protection Agency, in accordance with the provisions of the Resource Conservation and Recovery Act (RCRA) of 1976, together with applicable federal and state regulations including but not limited to waste discharge requirements established by the Sanitation Districts of Los Angeles County.

When the above described waste material is accepted by DeMENNO/KERDOON and treated/recycled and the aqueous phase discharged for further treatment by the Sanitation Districts, the certificate holder's responsibility for the waste material is eliminated under both RCRA and Proposition 65. Upon request, DeMENNO/KERDOON will issue this certificate that all waste material has been handled in accordance with applicable permits and the certificate holder's liability has been terminated.

DeMENNO/KERDOON
"Compliance Through Recycling"

By: _____

Cyrus Pournassanian
Laboratory Manager

Date: 6/6/2014

2000 North Alameda Street Compton California 90222
Telephone (310) 537-7100 Facsimile (310) 639-2946

This Memorandum

is an acknowledgment that a Bill of Lading has been issued and is not Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper No. 06181401

Carrier No. _____

LD Transportation LLC

Page 1 of 1

(Name of carrier)

(SCAC)

Date 6/18/14

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO: SHELL Oil Products US MARTINEZ REFINERY
 Consignee
 Street 1801 MARINA VISTA
 City MARTINEZ State CA Zip Code 94533

FROM: Shell Oil Products US
 Shipper
 Street 1601 Webster Street
 City Alameda State CA Zip Code 94512
 1-800-424-9300
 24 hr. Emergency Contact Tel. No. _____

Route _____ Vehicle Number _____

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class or UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 TT	X	UN1203, Gas Mixture, 3, PG II, ERG #128	7500 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				
		24 HOUR EMERGENCY PHONE NUMBER CHEMTREC (800) 424 9300				
		PLACARDS PROVIDED BY TRANSPORTER				
		PROFILE Approval # NA				
		240487-2014-04				
		SAP# 135032, 97564701				
		RIPR # 102294				

PLACARDS TENDERED: YES NO

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
 (2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
 (3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(a) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.
 _____ Signature

REMIT C.O.D. TO: ADDRESS

COD

Amt: \$

C.O.D. FEE: PREPAID COLLECT \$

Subject to Section 7 of the 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.

TOTAL CHARGES \$

FREIGHT CHARGES FREIGHT PREPAID Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, 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 des-

ination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
 Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER [Signature] C.R.A. CARRIER LD TRANSPORTATION LLC
 PER On Behalf of Shell OPUS PER [Signature]
 DATE 6/18/14

4

This Memorandum

is an acknowledgment that a Bill of Lading has been issued and is not Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper No. 06181402

Carrier No. _____

LD Transportation LLC

Date 6/15/14

Page 1 of 1

(Name of carrier)

(SCAC)

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

TO: Shell Oil Products US MARTINEZ REFINERY
Consignee 1601 MARINA VISTA
Street MARTINEZ State, CA Zip Code 94553

FROM: Shell Oil Products US
Shipper 1601 Webster Street
Street Alameda State CA Zip Code 94512
 24 hr. Emergency Contact Tel. No. 1-800-424-9300

Route _____ Vehicle Number _____

No. of Units & Container Type	HM	BASIC DESCRIPTION	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 TT	X	UN1203, Gas Mixture, 3, PG II, ERG #128	4800 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						
24 HOUR EMERGENCY PHONE NUMBER CHEMTREC (800) 424 9300						
PLACARDS PROVIDED BY TRANSPORTER						
PROFILE Approval # NA						
240467-2014-04						
SAP# 136032, 97564701						
RIPR # 102294						

PLACARDS TENDERED: YES NO

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
 (2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See IMFC Item 172.
 (3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.
 _____ Signature

REMIT C.O.D. TO: ADDRESS

COD

Amt: \$

G.O.D. FEE: PREPAID COLLECT \$

TOTAL CHARGES \$

Subject to Section 7 of the 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.

FREIGHT CHARGES FREIGHT PREPAID Check box if charges are to be collected except when box at right is checked

(Signature of Consignor)

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, 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 des-

ination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER [Signature] CRA
 PER On Behalf of Shell OPUS
 CARRIER LD TRAILS
 PER [Signature]
 DATE 6/15/14

4



his Memorandum

is an acknowledgment that a Bill of Lading has been issued and is not Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper No. 06181403

Carrier No. _____

LD Transportation LLC

Date 6/19/14

Page 1 of 1

(Name of carrier)

(SCAC)

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

TO: SHELL OIL Products US MARTINEZ REFINERY
Consignee
1801 MARINA VISTA
Street
MARTINEZ CA
City CA 94553
State CA 94553
Zip Code

FROM: Shell Oil Products US
Shipper
1801 Webster Street
Street
Alameda CA 94512
City CA 94512
State CA 94512
Zip Code
1-800-424-9300
24 hr. Emergency Contact Tel. No.

Route _____ Vehicle Number _____

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class or UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 TT	X	UN1203, Gas Mixture, 3, PG II, ERG #128	4800 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				
		24 HOUR EMERGENCY PHONE NUMBER CHEMTREC (800) 424 9300				
		PLACARDS PROVIDED BY TRANSPORTER				
		PROFILE Approval # NA				
		240467-2014-04				
		SAP# 135032, 97554701				
		RIPR # 102294				

PLACARDS TENDERED: YES NO

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
 (2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
 (3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.
 _____ Signature

REMIT C.O.D. TO: ADDRESS

COD

Amt: \$

C.O.D. FEE: PREPAID COLLECT \$

TOTAL CHARGES \$

FREIGHT CHARGES: FREIGHT PREPAID Check box if charges are to be collect

Subject to Section 7 of the 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)

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, 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 des-

ination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER [Signature] CRA
 PER On Behalf of Shell OPUS
 DATE 6/19/14

CARRIER LD TRANS
 PER [Signature]
 DATE 6/19/14

4

This Memorandum

is an acknowledgment that a Bill of Lading has been issued and is not Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper No. 06181404

Carrier No. _____

LD Transportation LLC

Page 1 of 1

(Name of carrier)

(SCAC)

Date 6/19/14

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

TO: SHELL Oil Products US MARTINEZ REFINERY
 Consignee
 Street 1801 MARINA VISTA
 City MARTINEZ State CA Zip Code 94553

FROM: Shell Oil Products US
 Shipper
 Street 1601 Webster Street
 City Alameda State CA Zip Code 94612
 24 hr. Emergency Contact Tel. No. 1-800-424-9300

Route _____ Vehicle Number _____

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class or UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 TT	X	UN1203, Gas Mixture, 3, PG II, ERG #128	4800 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						
24 HOUR EMERGENCY PHONE NUMBER CHEMTREC (800) 424 9300						
PLACARDS PROVIDED BY TRANSPORTER						
PROFILE Approval # NA						
240467-2014-04						
SAP# 135032, 97564701						
RIPR # 102294						

PLACARDS TENDERED: YES NO

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
 (2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
 (3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(a) of item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.
 _____ Signature

REMIT C.O.D. TO: ADDRESS
COD Amt: \$ _____
 C.O.D. FEE: PREPAID COLLECT \$ _____
 TOTAL CHARGES \$ _____
 FREIGHT CHARGES: FREIGHT PREPAID Check box if charges are to be collected

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, 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 des-

ination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
 Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER [Signature] CRA
 PER On Behalf of Shell OPUS

CARRIER LD TOOLS
 PER [Signature]
 DATE 6/19/14

4

This Memorandum

is an acknowledgment that a Bill of Lading has been issued and is not Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper No. 06181405

Carrier No. _____

LD Transportation LLC

Page 1 of 1

(Name of carrier)

(SCAC)

Date 6/19/14

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

TO: SHELL Oil Products US MARTINEZ REFINERY
Consignee 1801 MARINA VISTA
Street MARTINEZ **State,** CA **Zip Code** 94553

FROM: Shell Oil Products US
Shipper 1601 Webster Street
Street Alameda **State** CA **Zip Code** 94612
1-800-424-9300
 24 hr. Emergency Contact Tel. No. _____

Route _____ **Vehicle Number** _____

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class or UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
ITT	X	UN1203, Gas Mixture, 3, PG II, ERG #128	4600 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						
24 HOUR EMERGENCY PHONE NUMBER CHEMTREC (800) 424 9300						
PLACARDS PROVIDED BY TRANSPORTER						
PROFILE Approval # NA						
240467-2014-04						
SAP# 135032, 975647D1						
RIPR # 102294						

PLACARDS TENDERED: YES NO

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
 (2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
 (3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.
 _____ Signature

REMIT C.O.D. TO: ADDRESS

COD

Amt: \$

C.O.D. FEE: PREPAID COLLECT \$

Subject to Section 7 of the 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)

TOTAL CHARGES \$

FREIGHT CHARGES
 FREIGHT PREPAID Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, 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 des-

ination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER [Signature] CRA
 PER On Behalf of Shell OPUS
 CARRIER LD TRANS
 PER [Signature]
 DATE 6/19/14

4

This Memorandum

is an acknowledgment that a Bill of Lading has been issued and is not Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper No. 06181406

Carrier No. _____

LD Transportation LLC

Page 1 of 1

(Name of carrier)

(SCAC)

Date 6/20/14

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO: SHELL Oil Products US MARTINEZ REFINERY
 Consignee
 Street 1501 MARINA VISTA
 City MARTINEZ State CA Zip Code 94563

FROM: Shell Oil Products US
 Shipper
 Street 1601 Webster Street
 City Alameda State CA Zip Code 94612
 1-800-424-9300
 24 hr. Emergency Contact Tel. No. _____

Route _____ Vehicle Number _____

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class UN or NA Number, Packing Group or UN or NA Number, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 TT	X	UN1203, Gas Mixture, 3, PG II, ERG #128	4000 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						
24 HOUR EMERGENCY PHONE NUMBER CHEMTREC (800) 424 9300						
PLACARDS PROVIDED BY TRANSPORTER						
PROFILE Approval # NA						
240487-2014-04						
SAP# 135032, 97564701						
RIPR # 102294						

PLACARDS TENDERED: YES NO

Note -- (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
 (2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
 (3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Signature _____

REMIT C.O.D. TO: ADDRESS

COD Amt: \$ _____

C.O.D. FEE: PREPAID COLLECT \$ _____

Subject to Section 7 of the 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) _____

TOTAL CHARGES \$ _____

FREIGHT CHARGES
 FREIGHT PREPAID Check box if charges are to be collect
 COLLECT \$ _____

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, 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 des-

tination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
 Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER [Signature] CRA
 PER On Behalf of Shell OPUS

CARRIER LD TRANS
 PER [Signature]
 DATE 6/20/14

4