CONESTOGA-ROVERS & ASSOCIATES

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

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

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

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

QUANTITY	DESCRIPTION
1	Underground Storage Tank Removal Report

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

COMMENTS:
If you have any questions regarding the contents of this document, please call 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)
Thomas H. Kosel, ConocoPhillips Risk Management & Remediation, 76 Broadway, 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**

Shell Oil Products US
Soil and Groundwater Focus Delivery Group
20945 S. Wilmington Avenue
Carson, CA 90810
Tel (310) 550 5846
Fax (281) 582 4172
Email marvin.katz@shell.com
Internet http://www.shell.com

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

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

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

Prepared by:
Conestoga-Rovers & Associates

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

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

web: http:\\www.CRAworld.com

OCTOBER 1, 2014
REF. NO. 240467 (15)
This report is printed on recycled paper.

TABLE OF CONTENTS

LIST OF FIGURES
(Following Text)

LIST OF TABLES
(Following Text)

LIST OF APPENDICES

1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) to document the recent 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 (µg/L) TPHg, 35 µg/L benzene, 650 µg/L toluene, 100 µg/L ethylbenzene, and 1,100 µg/L total xylenes. No MTBE or TBA was detected in the grab groundwater sample.

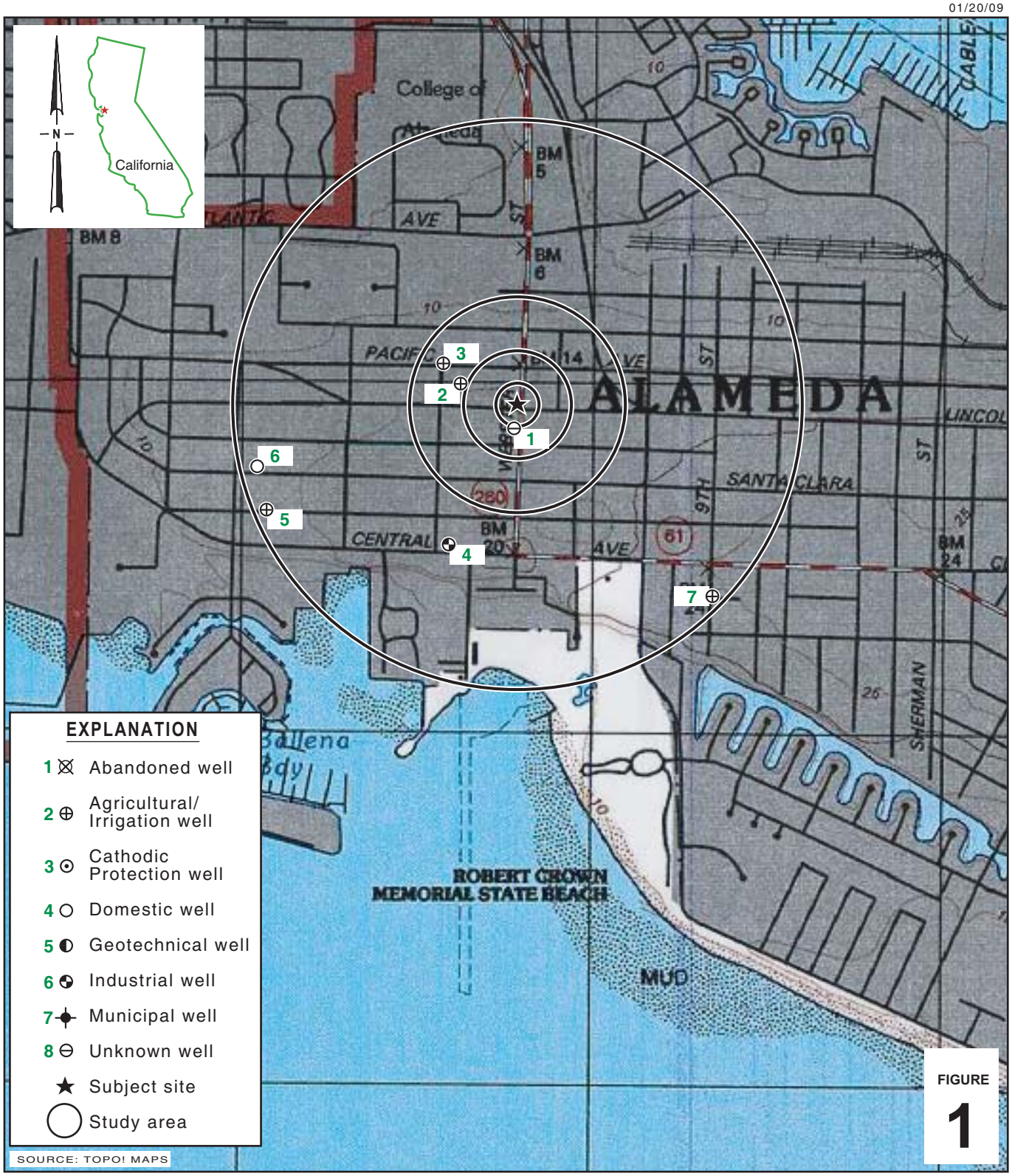
All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Peter Schaefer, CEG, ~~CHG~~

Aubrey K. Cool, PG

FIGURES

01/20/09



I:\Shell\6-chars\2404-\240467-Alameda 1601 Webster St\240467-FIGURES\240467 VICINITY.AI

FIGURE
1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Shell-branded Service Station

1601 Webster Street

Alameda, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

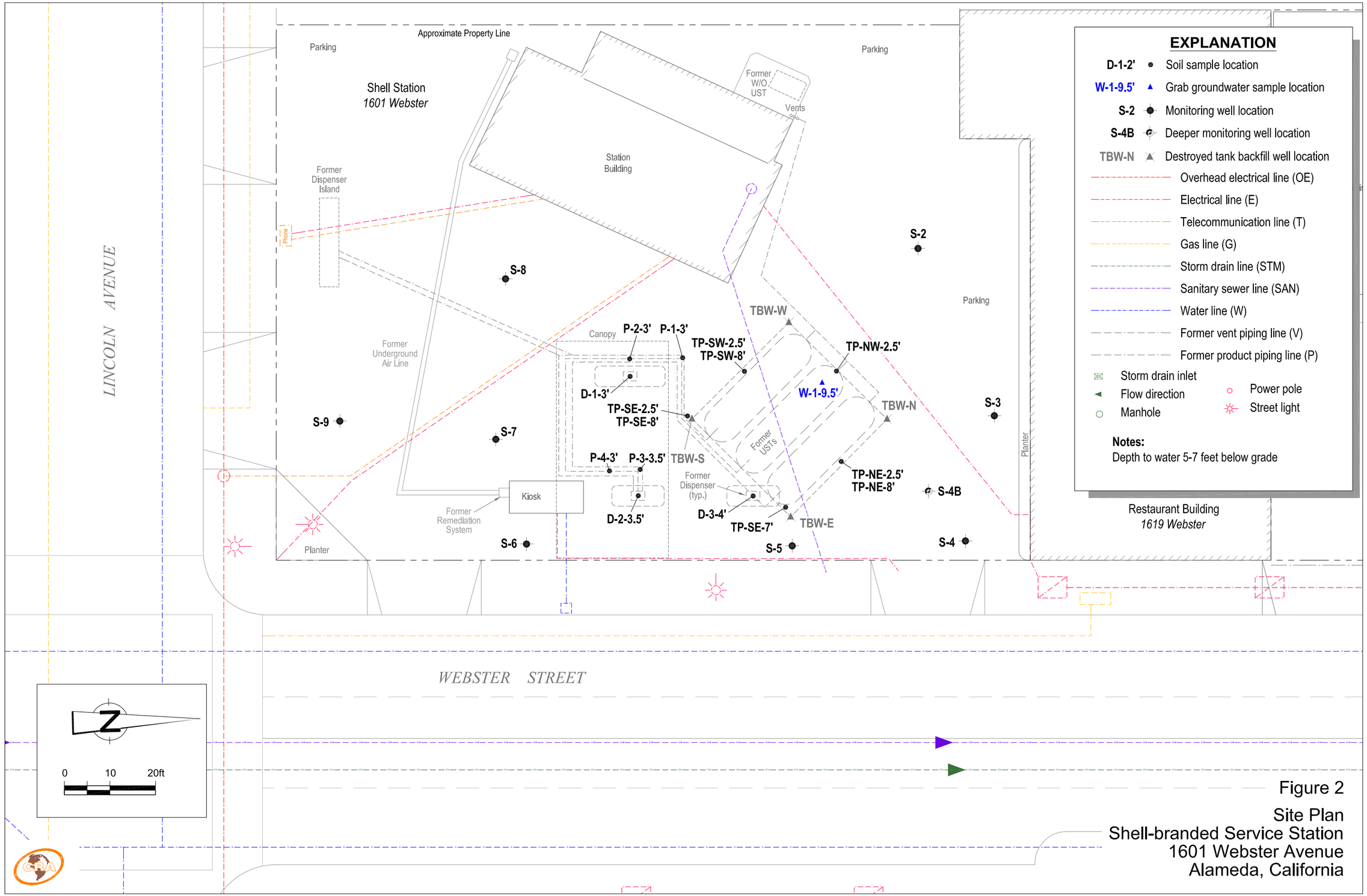
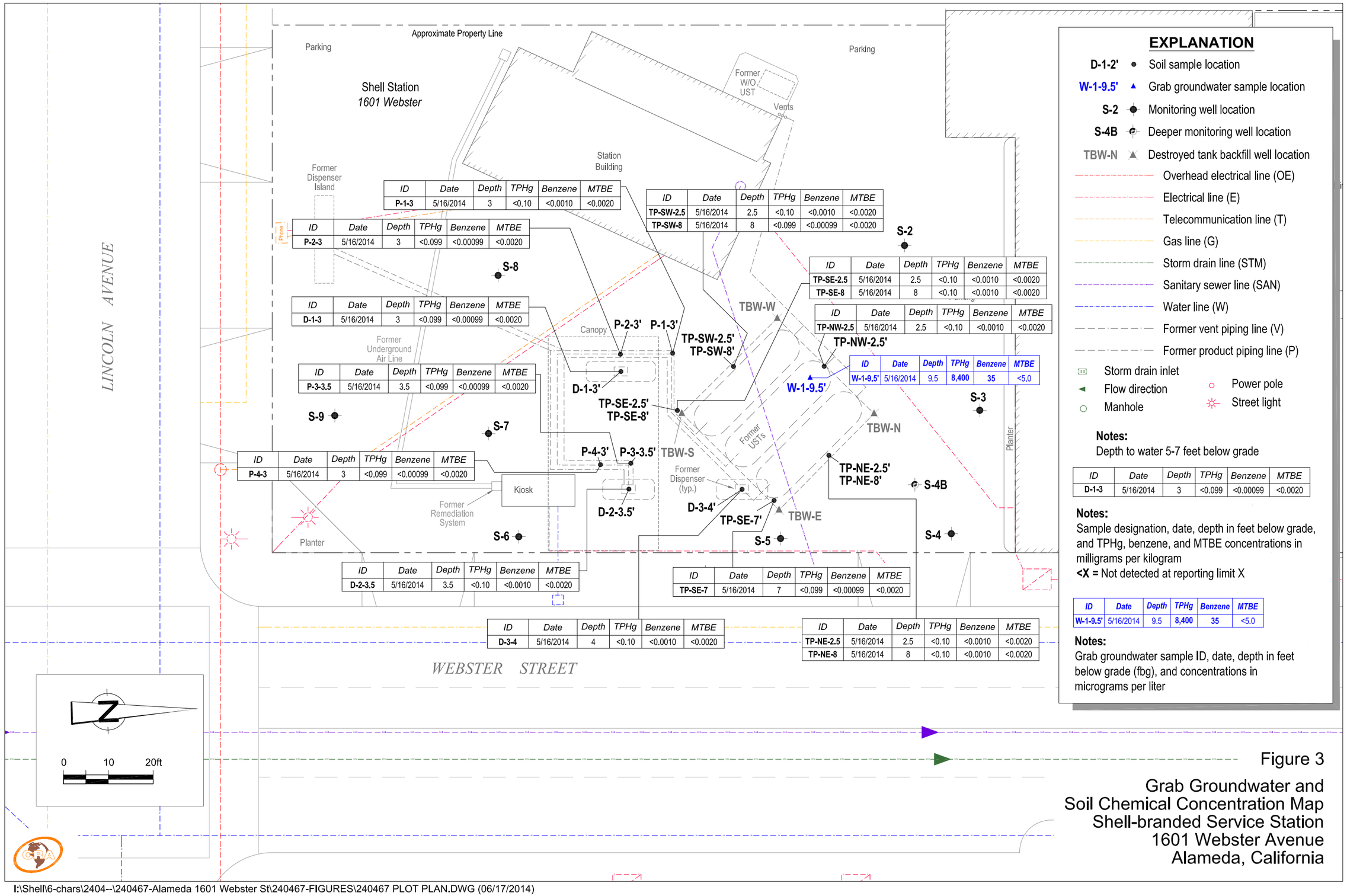


Figure 2

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

I:\Shell\6-chars\2404--\240467-Alameda 1601 Webster St\240467-FIGURES\240467 PLOT PLAN.DWG (06/17/2014)



ID	Date	Depth	TPHg	Benzene	MTBE
P-1-3	5/16/2014	3	<0.10	<0.0010	<0.0020

ID	Date	Depth	TPHg	Benzene	MTBE
P-2-3	5/16/2014	3	<0.099	<0.00099	<0.0020

ID	Date	Depth	TPHg	Benzene	MTBE
D-1-3	5/16/2014	3	<0.099	<0.00099	<0.0020

ID	Date	Depth	TPHg	Benzene	MTBE
P-3-3.5	5/16/2014	3.5	<0.099	<0.00099	<0.0020

ID	Date	Depth	TPHg	Benzene	MTBE
P-4-3	5/16/2014	3	<0.099	<0.00099	<0.0020

ID	Date	Depth	TPHg	Benzene	MTBE
D-2-3.5	5/16/2014	3.5	<0.10	<0.0010	<0.0020

ID	Date	Depth	TPHg	Benzene	MTBE
D-3-4	5/16/2014	4	<0.10	<0.0010	<0.0020

ID	Date	Depth	TPHg	Benzene	MTBE
TP-SW-2.5	5/16/2014	2.5	<0.10	<0.0010	<0.0020
TP-SW-8	5/16/2014	8	<0.099	<0.00099	<0.0020

ID	Date	Depth	TPHg	Benzene	MTBE
TP-SE-2.5	5/16/2014	2.5	<0.10	<0.0010	<0.0020
TP-SE-8	5/16/2014	8	<0.10	<0.0010	<0.0020

ID	Date	Depth	TPHg	Benzene	MTBE
TP-SE-7	5/16/2014	7	<0.099	<0.00099	<0.0020

ID	Date	Depth	TPHg	Benzene	MTBE
TP-NW-2.5	5/16/2014	2.5	<0.10	<0.0010	<0.0020

ID	Date	Depth	TPHg	Benzene	MTBE
W-1-9.5'	5/16/2014	9.5	8,400	35	<5.0

ID	Date	Depth	TPHg	Benzene	MTBE
TP-NE-2.5	5/16/2014	2.5	<0.10	<0.0010	<0.0020
TP-NE-8	5/16/2014	8	<0.10	<0.0010	<0.0020

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

ID	Date	Depth	TPHg	Benzene	MTBE
D-1-3	5/16/2014	3	<0.099	<0.00099	<0.0020

Notes:
Sample designation, date, depth in feet below grade, and TPHg, benzene, and MTBE concentrations in milligrams per kilogram
<X = Not detected at reporting limit X

ID	Date	Depth	TPHg	Benzene	MTBE
W-1-9.5'	5/16/2014	9.5	8,400	35	<5.0

Notes:
Grab groundwater sample ID, date, depth in feet below grade (fbg), and concentrations in micrograms per liter

Figure 3

Grab Groundwater and Soil Chemical Concentration Map
Shell-branded Service Station
1601 Webster Avenue
Alameda, California

I:\Shell\6-chars\2404--\240467-Alameda 1601 Webster St\240467-FIGURES\240467 PLOT PLAN.DWG (06/17/2014)

TABLES

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-Polar O&G (mg/kg)*	*TPHmo (mg/kg)*	*TPHd (mg/kg)*	*TPHg (mg/kg)*	*TPH 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)*	*1,2-DCA (mg/kg)*	*EDB (mg/kg)*	*Ethanol (mg/kg)*	*1,1,1-Trichloro-ethane (mg/kg)*	*VOCs (mg/kg)*	*HVOCs (mg/kg)*	*Chlorinated Hydro-carbons (mg/kg)*	*Cd (mg/kg)*	*Cr (mg/kg)*	*Pb (mg/kg)*	*Ni (mg/kg)*	*Zn (mg/kg)*	*PNAs (mg/kg)*	*PCP (mg/kg)*	*Creosote (mg/kg)*	*PCBs (mg/kg)*
#1	6/26/1987	9.5	133	---	---	---	14 c	---	<0.05	<0.05	<0.05	---	---	---	---	---	---	---	---	---	**29.4**	---	---	ND h,i	---	---	---	---	---	---	---	---	---
S-1	9/4/1987	3.5-5	130	---	50 a	<10	---	<10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-1	9/4/1987	9-10.5	30	---	<10 a	<10	---	<10	<0.005 b	<0.005 b	<0.005 b	<0.005 b	---	---	---	---	---	<0.005 b	---	---	---	ND	---	---	---	---	---	---	---	---	---	---	---	---
S-1	9/4/1987	14-15.5	13	---	<10 a	<10	---	<10																	---	---	---	---	---	---	---	---	---	---
BH-A (MW-1)	4/3/1990	4.8	---	---	---	---	<1 c	---	<0.0025	0.0032	<0.0025	0.0030	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BH-A (MW-1)	4/3/1990	7.8	<50	<100	<10	<1 c	<1 c	---	<0.0025	0.0029	<0.0025	<0.0025	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---
BH-A (MW-1)	4/3/1990	10.8	---	---	---	---	<1 c	---	0.0026	0.010	<0.0025	0.0037	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BH-B (MW-2)	4/3/1990	5.2	---	---	---	---	<1 c	---	<0.0025	0.0048	<0.0025	0.013	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BH-B (MW-2)	4/3/1990	6.8	<50	<100	<10	<1 c	1.3 c	---	0.0034	0.017	0.010	0.079	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---
BH-B (MW-2)	4/3/1990	10.2	---	---	---	---	20 c	---	**0.53**	**3.8**	0.75	**4.0**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BH-B (MW-2)	4/3/1990	15.2	---	---	---	---	32 c	---	**0.15**	1.8	0.67	**2.6**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BH-B (MW-2)	4/3/1990	20.2	---	---	---	---	<1 c	---	0.0049	0.023	0.0047	0.029	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BH-C-5.5'	10/12/1992	5.5	<30 d	---	---	---	<0.5	---	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---
BH-C-11'	10/12/1992	11	<30 d	---	---	---	<0.5	---	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---	---	---	---	e	---	---	---	---	---	---	---	---	---	---
BH-D-5.5'	10/12/1992	5.5	<30 d	---	---	---	100	---	<0.005	<0.005	1.8	**5.4**	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---
BH-D-10.5'	10/12/1992	10.5	<30 d	---	---	---	<0.5	---	<0.005	<0.005	0.007	0.032	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---
BH-E-5.5'	10/22/1992	5.5	<30 d	---	---	---	14	---	0.026	0.4	0.2	1.2	---	---	---	---	---	---	---	---	---	---	---	f	---	---	---	---	---	---	---	---	---	---
BH-E-10.5'	10/22/1992	10.5	110 d	---	---	---	170	---	<0.005	**3.0**	**3.6**	**22**	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---
BH-E-13.5'	10/22/1992	13.5	<30 d	---	---	---	0.87	---	**0.11**	0.097	0.019	0.089	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---
BH-F-5.5'	10/22/1992	5.5	<30 d	---	---	---	<0.5	---	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---
BH-F-10.5'	10/22/1992	10.5	47 d	---	---	---	26	---	0.065	0.27	0.65	**3.6**	---	---	---	---	---	---	---	---	---	---	---	g	---	---	---	---	---	---	---	---	---	---
BH-G-5.5'	10/22/1992	5.5	<30 d	---	---	---	<0.5	---	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---
BH-G-10'	10/22/1992	10	<30 d	---	---	---	<0.5	---	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---
BH-H-5.5'	10/22/1992	5.5	<30 d	---	---	---	<0.5	---	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---
BH-H-10'	10/22/1992	10	<30 d	---	---	---	<0.5	---	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---
BH-I-5.5'	10/22/1992	5.5	<30 d	---	---	---	<0.5	---	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---
BH-I-10.5'	10/22/1992	10.5	<30 d	---	---	---	<0.5	---	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---
BH-J-5.5' (MW-3)	2/19/1993	5.5	<30 d	---	---	---	<0.5	---	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---
BH-J-10' (MW-3)	2/19/1993	10	<30 d	---	---	---	<0.5	---	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---	---	---	---	---	---
D-1	8/27/1997	5	---	---	---	---	**10,000**	---	<5.0	**12**	**81**	**700**	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
D-2	8/27/1997	5	---	---	---	---	**11,000**	---	**6.3**	**7.8**	**96**	**440**	<25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
D-2	8/27/1997	10	---	---	---	---	760	---	**2.4**	**4.1**	**10**	**66**	<6.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
P-1	8/27/1997	5	---	---	---	---	140	---	<0.25	0.91	0.82	**5.9**	<1.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
P-2	8/27/1997	5	---	---	---	---	**3,600**	---	**1.9**	1.9	**36**	**220**	<6.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
P-3	8/27/1997	5	---	---	---	---	**1,700**	---	<1.2	<1.2	**4**	**23**	<6.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
P-4	8/27/1997	5	---	---	---	---	230	---	<0.25	<0.25	1.2	**3.4**	<1.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
P-1-3'	8/11/2004	3	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
P-2-3'	8/10/2004	3	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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-Polar O&G (mg/kg)*	*TPHmo (mg/kg)*	*TPHd (mg/kg)*	*TPHg (mg/kg)*	*TPH 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)*	*1,2-DCA (mg/kg)*	*EDB (mg/kg)*	*Ethanol (mg/kg)*	*1,1,1-Trichloro-ethane (mg/kg)*	*VOCs (mg/kg)*	*HVOCs (mg/kg)*	*Chlorinated Hydro-carbons (mg/kg)*	*Cd (mg/kg)*	*Cr (mg/kg)*	*Pb (mg/kg)*	*Ni (mg/kg)*	*Zn (mg/kg)*	*PNAs (mg/kg)*	*PCP (mg/kg)*	*Creosote (mg/kg)*	*PCBs (mg/kg)*
P-3-3'	8/10/2004	3	---	---	---	---	**1,300**	---	<0.50	<0.50	<0.50	**49**	<0.50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
P-4-3'	8/10/2004	3	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
P-5-3'	8/10/2004	3	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	0.045	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
D-1-2'	8/10/2004	2	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
D-2-2'	8/10/2004	2	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-1-5'	11/30/2004	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-1-6.5'	11/30/2004	6.5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-2-5'	12/1/2004	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-2-6.5'	12/1/2004	6.5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	0.011	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-3-5'	12/1/2004	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-3-6.5'	12/1/2004	6.5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-4-5'	12/2/2004	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-4-6.5'	12/2/2004	6.5	---	---	---	---	<50	---	<0.50	<0.50	<0.50	<0.50	**1.5**	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	<25	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-5-5'	11/30/2004	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-5-6.5'	11/30/2004	6.5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-6-5'	11/30/2004	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-6-6.5'	11/30/2004	6.5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	0.0099	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-7-5'	11/30/2004	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-7-6.5'	11/30/2004	6.5	---	---	---	---	6.2	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-8-5'	12/2/2004	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-8-6.5'	12/2/2004	6.5	---	---	---	---	**740**	---	<1.0	**5.9**	**17**	**83**	<1.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	53	---	---	---	---	---	---	---	---	---	---	---	---	---
S-2-5.0	10/31/2005	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-3-5.0	10/31/2005	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-4-5.0	10/31/2005	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-5-5.0	10/31/2005	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-6-5.0	10/31/2005	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-7-5.0	10/31/2005	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-9-5.0	10/31/2005	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-10-5.0	10/31/2005	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-11-5.0	10/31/2005	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-12-5.0	11/2/2005	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-13-5.0	11/2/2005	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	0.0080	<0.0050	<0.010	<0.010	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB-14-5.0	11/2/2005	5	---	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
WO-1-5	5/25/2006	5	61 i	---	---	5.4 k	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	ND l	<0.500	26.4	2.24	18.1	16.6	ND	<2.5	<0.40	<0.50

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-Polar O&G (mg/kg)*	*TPHmo (mg/kg)*	*TPHd (mg/kg)*	*TPHg (mg/kg)*	*TPH 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)*	*1,2-DCA (mg/kg)*	*EDB (mg/kg)*	*Ethanol (mg/kg)*	*1,1,1-Trichloro-ethane (mg/kg)*	*VOCs (mg/kg)*	*HVOCs (mg/kg)*	*Chlorinated Hydro-carbons (mg/kg)*	*Cd (mg/kg)*	*Cr (mg/kg)*	*Pb (mg/kg)*	*Ni (mg/kg)*	*Zn (mg/kg)*	*PNAs (mg/kg)*	*PCP (mg/kg)*	*Creosote (mg/kg)*	*PCBs (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	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Shallow Soil (≤10 fbg) ESL[n]:			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
Deep Soil (>10 fbg) ESL[n]:			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-Polar O&G (mg/kg)*	*TPHmo (mg/kg)*	*TPHd (mg/kg)*	*TPHg (mg/kg)*	*TPH 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)*	*1,2-DCA (mg/kg)*	*EDB (mg/kg)*	*Ethanol (mg/kg)*	*1,1,1-Trichloro-ethane (mg/kg)*	*VOCs (mg/kg)*	*HVOCs (mg/kg)*	*Chlorinated Hydro-carbons (mg/kg)*	*Cd (mg/kg)*	*Cr (mg/kg)*	*Pb (mg/kg)*	*Ni (mg/kg)*	*Zn (mg/kg)*	*PNAs (mg/kg)*	*PCP (mg/kg)*	*Creosote (mg/kg)*	*PCBs (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-ethane (µg/L)*	*Methylene Chloride (µg/L)*	*HVOCs (µg/L)*	*Chlorinated Hydro-carbons (µg/L)*	*PNAs (µg/L)*	*PCP (µg/L)*	*Creosote (µg/L)*	*PCBs (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 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-ethane (µg/L)*	*Methylene Chloride (µg/L)*	*HVOCs (µg/L)*	*Chlorinated Hydro-carbons (µg/L)*	*PNAs (µg/L)*	*PCP (µg/L)*	*Creosote (µg/L)*	*PCBs (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[1]:			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 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-ethane (µg/L)*	*Methylene Chloride (µg/L)*	*HVOCs (µg/L)*	*Chlorinated Hydro-carbons (µg/L)*	*PNAs (µg/L)*	*PCP (µg/L)*	*Creosote (µg/L)*	*PCBs (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/pieziometric 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

Heather Clark

Authorized for release by:
5/28/2014 2:04:46 PM

Heather Clark, Project Manager I
(949)261-1022
heather.clark@testamericainc.com

Table of Contents

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

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 2.3º 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 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*
Dibromofluoromethane (Surr)	*98*		*76 - 132*		*05/21/14 13:47*	*10*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*05/21/14 13:47*	*10*
Toluene-d8 (Surr)	*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*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*05/21/14 13:47*	*10*
Dibromofluoromethane (Surr)	*98*		*76 - 132*		*05/21/14 13:47*	*10*
Toluene-d8 (Surr)	*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*
Dibromofluoromethane (Surr)	*100*		*60 - 120*		*05/19/14 22:29*	*1*
4-Bromofluorobenzene (Surr)	*107*		*79 - 120*		*05/19/14 22:29*	*1*
Toluene-d8 (Surr)	*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*
Toluene-d8 (Surr)	*100*		*79 - 123*		*05/19/14 22:29*	*1*
4-Bromofluorobenzene (Surr)	*107*		*79 - 120*		*05/19/14 22:29*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 120*		*05/19/14 22:29*	*1*

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*

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*

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*

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*

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*

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: 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*

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_LUFTMS	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_LUFTMS		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_LUFTMS		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_LUFTMS		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_LUFTMS		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_LUFTMS		1	5.03 g	10 mL	183445	05/20/14 04:18	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: P-4-3
Date Collected: 05/16/14 13:06
Date Received: 05/19/14 10:42

Lab Sample ID: 440-78749-16
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	05/20/14 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

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*

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*

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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
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 %Recovery*	*MS Qualifier*	*Limits*
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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
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 %Recovery*	*MSD Qualifier*	*Limits*
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 Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		0.10		mg/Kg			05/19/14 19:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
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*

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	*LCS %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	*MS %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	RPD Limit
Volatile Fuel Hydrocarbons (C4-C12)	ND		3.44	2.73		mg/Kg		79	55 - 140	4	25

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

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	

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 MS	
LCS 440-183445/6	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
MB 440-183445/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

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

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.

440-78749

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
INCIDENT # (ENV SERVICES): 97564701
☐ CHECK IF NO INCIDENT # APPLIES
DATE 5/16/2014
PO #
SAP #: 135032
PAGE: 1 of 2

SAMPLING COMPANY: Conestoga-Rovers & Associates
LOG CODE: CRAW

RUSH

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
CONSULTANT PROJECT NO: 240467-2014-04

PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer
TELEPHONE: 510-420-3319
FAX: 510-420-9170
E-MAIL: pschaefer@craworld.com
SAMPLER NAME(S) (Print): 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 DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, 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
	W-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-5'	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								

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

05/2/06 Revision

5/16/14 1755 5-19-14 0940

440-78749 Chain of Custody

5986 9212 9653

2-6/2.3° IR-5

Page 27 of 31

5/28/2014

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
PO #:
INCIDENT # (ENV SERVICES): 97561 04701
SAP #: 1350320
☐ CHECK IF NO INCIDENT # APPLIES
DATE: 5/16/2014
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
CONSULTANT PROJECT NO: 240467-2014-04
PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer
TELEPHONE: 510-420-3319
FAX: 510-420-9170
E-MAIL: pschaefer@craworld.com
SAMPLER NAME(S) (Print): 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 DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	TPH -GRO, Purgeable (8260B)	TPH -DRO, 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
	TP-SE-8'	5/16/2014	1241	SGwl	●					1	X					X									
	P-3-3.5'	5/16/2014	1245	Soil						1	X					X									
	P-2-3.5'	5/16/2014	1250	Soil						1	X					X									
	P-4-4'	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): Katherine Ward	Received by (Signature): Emeryville Office	Date: 5/16/14	Time: 1430
Relinquished by (Signature):	Received by (Signature):	Date: 5/16/14	Time: 1547
Relinquished by (Signature):	Received by (Signature):	Date: 5/16/14	Time: 1715

05/2/06 Revision

J Buck 5/16/14 1755
5-19-14 0940, 1.1c
5986 9212 9653
2.6/2.3" 12-59

Page 28 of 31
5/28/2014

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

INCIDENT # (ENV. SERVICES): 97564701

☐ CHECK IF NO INCIDENT # APPLIES

PO #:

SAP #: 132032

DATE: 5/16/2014

PAGE: 1 of 2

SAMPLING COMPANY: Conestoga-Rovers & Associates

LOG CODE: CRAW

RUSH

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 om edf@craworld.com

CONSULTANT PROJECT NO.: 240467-2014-04

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

TELEPHONE: 510-420-3319

FAX: 510-420-9170

E-MAIL: pschaefer@craworld.com

SAMPLER NAME(S) (Print): 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 DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, 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)	Container PID Readings or Laboratory Notes
	W-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								

TEMPERATURE ON RECEIPT C°: CS 3.3/3.0 IR 5.9

440-78749 Chain of Custody

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

95/2/06 Revision

Page 29 of 31

5/28/2014

5/16/14 1755

X-Waters ONLY 5/20/14 1715

1.1°C

Reed by: VuBanh 5/21/14 9:50

Fed: 5986 9212 9826

Date: 16May14
Wgt: 56.20 LBS
DV:

SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
100.00 TOTAL: 0.00

Svcs: PRIORITY OVERNIGHT
TRCK: 5986 9212 9653

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

PO #:

INCIDENT # (ENV SERVICES): 97564701

SAP #: 135032

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 5/16/2014

PAGE: 2 of 2

SAMPLING COMPANY: Conestoga-Rovers & Associates	LOG CODE: CRAW	SITE ADDRESS: Street and City: 1601 Webster Street, Alameda	State: CA
ADDRESS: 5900 Hollis Street, Suite A, Emeryville, CA 94608		GLOBAL ID NO.: T0600137103	
PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer		CDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville	PHONE NO: 510-420-3343
TELEPHONE: 510-420-3319	FAX: 510-420-9170	E-MAIL: pschaefer@craworld.com	E-MAIL: shell em.edf@craworld.com
E-MAIL: pschaefer@craworld.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@craworld.com

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE: HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH -GRO, Purgeable (8260B)	TPH -DRO, Extractable (8015M)	TPHg (8015M)	BTEX (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
	TP-5E-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									
	D-3-4'	5/16/14	1255	Soil						1	X					X									
	TP-5G-7'	5/16/14	1300	Soil						1	X					X									
	P-4-3'	5/16/14	1306	Soil						1	X					X									

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

05/2/06 Revision

J Buck 5/16/14 1755

1.1°C

Page 3 of 31

5/30/2014

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 440-78749-1

Login Number: 78749

List Source: TestAmerica Irvine

List Number: 1

Creator: Gonzales, Steve

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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 <6mm (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

Heather Clark

Authorized for release by:
5/23/2014 4:32:06 PM

Heather Clark, Project Manager I
(949)261-1022
heather.clark@testamericainc.com

Table of Contents

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

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 2.3º 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 Exceedence Limits of 63-127)
N-Nitrosodiphenylamine: Recovery = 71 (within the Marginal Exceedence 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: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-78759-1

Client Sample ID: SP-1
Date Collected: 05/16/14 13:15
Date Received: 05/19/14 12:59

Lab Sample ID: 440-78759-5
Matrix: Solid

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

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

TestAmerica Job ID: 440-78759-1

Client Sample ID: SP-1
Date Collected: 05/16/14 13:15
Date Received: 05/19/14 12:59

Lab Sample ID: 440-78759-5
Matrix: Solid

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

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

TestAmerica Job ID: 440-78759-1

Client Sample ID: SP-1
Date Collected: 05/16/14 13:15
Date Received: 05/19/14 12:59

Lab Sample ID: 440-78759-5
Matrix: Solid

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

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

TestAmerica Job ID: 440-78759-1

Client Sample ID: SP-1
Date Collected: 05/16/14 13:15
Date Received: 05/19/14 12:59

Lab Sample ID: 440-78759-5
Matrix: Solid

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_LUFTMS	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
Date Collected: 05/16/14 13:15
Date Received: 05/19/14 12:59

Lab Sample ID: 440-78759-5
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	5.24 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

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

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 Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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 %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
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 Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0504		mg/Kg		101	70 - 130
1,1,1-Trichloroethane	0.0500	0.0511		mg/Kg		102	65 - 135
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-Dichloroethene	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

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

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-Trichloroethane	ND		0.0501	0.0533		mg/Kg		106	65 - 145
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

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

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

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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
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

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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
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 %Recovery*	*MSD Qualifier*	*Limits*
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 Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		0.10		mg/Kg			05/20/14 14:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
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 Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Volatile Fuel Hydrocarbons (C4-C12)			1.00	0.887		mg/Kg		89	60 - 135		

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

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
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		

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

Lab Sample ID: 440-78489-B-1-E MS | **Client Sample ID: Matrix Spike**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 183823 | **Prep Batch: 183351**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
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

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

Lab Sample ID: 440-78489-B-1-E MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 183823 — **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 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 183605 — **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 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 183608 — **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*

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

Lab Sample ID: 440-78530-H-9-A MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 183608 — **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	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane	*66*		*40 - 140*

Lab Sample ID: 440-78530-H-9-B MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 183608 — **Prep Batch: 183525**

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

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane	*74*		*40 - 140*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-183551/1-A ^5 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 183717 — **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 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 183717 — **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 — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 183717 — **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

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

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

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

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.
¤	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.

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

INCIDENT # (ENV SERVICES): 97561674 ☐ CHECK IF NO INCIDENT # APPLIES

PO #:

SAP #: 135032

DATE: 5/16/2014

PAGE: 1 of 1

SAMPLING COMPANY: Conestoga-Rovers & Associates

LOG CODE:

RUSH

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@craworld.com

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

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:
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@craworld.com, Deisman@craworld.com and Shell.Lab Billing@craworld.com Call
composite sample IDs and field point names: SP-1 , SP-2, etc

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification (use field point names	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX + 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° / Container PID Readings or Laboratory Notes
	SP-1A	5/16/2014	[illegible]	SO				X		1	X	X	X												X	X	X			Call
	SP-1B	5/16/2014	1310	SO				X		1	X	X	X												X	X	X			composite sample IDs
	SP-1C	5/16/2014	1314	SO				X		1	X	X	X												X	X	X			SP-1 , SP-2, ETC
	SP-1D	5/16/2014	1316	SO				X		1	X	X	X												X	X	X			
	SP-2A	5/16/2014	1315	Pea Gravel				X		1	X	X	X												X	X	X			Per Contingency Sheet,
	SP-2B	5/16/2014	1317	Pea Gravel				X		1	X	X	X												X	X	X			for Solids & Liquids;
	SP-2C	5/16/2014	1319	Pea Gravel				X		1	X	X	X												X	X	X			run STLC and / or TCLP
	SP-2D	5/16/2014	1321	Pea Gravel				X		1	X	X	X												X	X	X			as needed.
																														Solids ONLY;
																														run Fish Toxicity

	Relinquished by: (Signature)	Received by: (Signature)	Date	Time
1	Katherine Ward	Emeryville Office	5/16/14	1430
2			5/16/14	1547
3			5/16/14	1715

05/2/08 Revision

5/16/14 17:55

5-19-14 0940
11.1°C

440-78759 Chain of Custody

5956 9212 9653

2.6/2.3 IR-59

Page 27 of 29

5/23/2014

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 ≥ 150 mg/kg
Arsenic	50/100	STLC required if TTLC ≥ 50 mg/kg; TCLP required if TTLC ≥ 100 mg/kg
Barium	1,000/2,000	STLC required if TTLC ≥ 1,000 mg/kg; TCLP required if TTLC ≥ 2,000 mg/kg
Beryllium	7.5	STLC required if TTLC ≥ 7.5 mg/kg
Cadmium	10/20	STLC required if TTLC ≥ 10 mg/kg; TCLP required if TTLC ≥ 20 mg/kg
Chromium	50/100	STLC required if TTLC ≥ 50 mg/kg; TCLP required if TTLC ≥ 100 mg/kg
Cobalt	800	STLC required if TTLC ≥ 800 mg/kg
Copper	250	STLC required if TTLC ≥ 250 mg/kg
Lead	**13/50/100**	Organic lead required if TTLC lead ≥ 13 mg/kg STLC required if TTLC ≥ 50 mg/kg; TCLP required if TTLC ≥ 100 mg/kg
Mercury	2/4	STLC required if TTLC ≥ 2 mg/kg; TCLP required if TTLC ≥ 4 mg/kg
Molybdenum	3,500	STLC required if TTLC ≥ 350 mg/kg
Nickel	200	STLC required if TTLC ≥ 200 mg/kg
Selenium	10/20	STLC required if TTLC ≥ 10 mg/kg; TCLP required if TTLC ≥ 20 mg/kg
Silver	50/100	STLC required if TTLC ≥ 50 mg/kg; TCLP required if TTLC ≥ 100 mg/kg
Thallium	70	STLC required if TTLC ≥ 70 mg/kg
Vanadium	240	STLC required if TTLC ≥ 240 mg/kg
Zinc	2,500	STLC required if TTLC ≥ 2,500 mg/kg

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 ≥ 10 mg/kg
Pentachlorophenol	1.7	STLC required if TTLC ≥ 1.7
Trichloroethylene	10/204	STLC required if TTLC ≥ 10 mg/kg; TCLP required if TTLC ≥ 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 Source: TestAmerica Irvine

List Number: 1

Creator: Kim, Guerry

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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 <6mm (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

Heather Clark

Authorized for release by:
6/11/2014 4:35:45 PM

Heather Clark, Project Manager I
(949)261-1022
heather.clark@testamericainc.com

Table of Contents

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

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 3.5º 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: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-80462-1

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

Date Collected: 06/09/14 12:10
Date Received: 06/10/14 09:50

Lab Sample ID: 440-80462-5

Matrix: Solid

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

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_LUFTMS	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)
Date Collected: 06/09/14 12:10
Date Received: 06/10/14 09:50

Lab Sample ID: 440-80462-5
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	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

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*

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 Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
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 %Recovery*	*MSD Qualifier*	*Limits*
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 Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		0.10		mg/Kg			06/11/14 08:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
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 Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	1.00	0.880		mg/Kg		88	60 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
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 Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	0.61		3.45	4.17		mg/Kg		103	55 - 140

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 %Recovery	MS Qualifier	Limits
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 %Recovery	MSD Qualifier	Limits
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 %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
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 %Recovery	LCS Qualifier	Limits
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

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
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 Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. 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

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

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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	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 Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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 Result	LCS Qualifier	Unit	D	%Rec	%Rec. 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.784	0.575		mg/Kg		73	70 - 130	0	20

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	

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

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.

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 ☐ CHECK IF NO INCIDENT # APPLIES

PO #:

SAP #: 1 3 5 0 3 2

DATE: 6/9/2014

PAGE: 1 of 1

SAMPLING COMPANY: Conestoga-Rovers & Associates	LOG CODE: CRAW	SITE ADDRESS: Street and City: 1601 Webster St., Alameda	State: CA	GLOBAL ID NO: TO600137103
ADDRESS: 5900 Hollis Street, Suite A, Emeryville, CA 94608		EDF DELIVERABLE TO (Name, Company, Office Location): Anni Kreml, CRA, Emeryville	PHONE NO: 510-420-3335	E-MAIL: shell.em.edf@craworld.com	CONSULTANT PROJECT NO: 240464-SA-01
PROJECT CONTACT (Hardcopy or PDF Report to): Peter Schaefer		SAMPLER NAME(S) (Print): Peter Schaefer	LAB USE ONLY		
TELEPHONE: 510-420-3319	FAX: 510-420-9170	E-MAIL: pschaefer@craworld.com			

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES:
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@craworld.com, Deisman@craworld.com and Shell.Lab.Billing@craworld.com Call composite soil sample ID and field point name: SP-1

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification (use field point names)	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	TPH - MO (8015M)	CAM17 Metals - Total (6010)	SVOCs (8270C)	VOCs (8260)	PCBs (8082)	Test for disposal (See Attached)	Container PID Readings or Laboratory Notes
	SP-1A	6/9/14	1210	SO						1	X	X	X											X	X				X	Call
	SP-1B	6/9/14	1215	SO						1	X	X	X											X	X				X	composite sample IDs
	SP-1C	6/9/14	1220	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	
																														Per Contingency Sheet,
	~~W-2 ABT~~ (13)			~~Water~~						~~1~~	~~X~~	~~X~~	~~X~~ (15)											~~X~~	~~X~~				~~X~~ (13)	for Solids & Liquids;
																														run STLC and / or TCLP
																														as needed.
																														Solids ONLY;
																														run Fish Toxicity

RUSH

Relinquished by: (Signature)	Received by: (Signature)	Date: 6-9-14	Time: 1325
Relinquished by: (Signature) 6/9/14 1445	Received by: (Signature)	Date: 6/10/14	Time: 950
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

TEMPERATURE ON RECEIPT C°: 3.7/3.5 IR 1.5↓

05/2/06 Revision

Fed: 5986 9213 0896

24.4°

440-80462 Chain of Custody

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 440-80462-1

Login Number: 80462

List Source: TestAmerica Irvine

List Number: 1

Creator: Soderblom, Tim

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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 <6mm (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

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	CAD981403249	1	713 -241-225	010403869 JJK

GENERATOR

5. Generator's Name and Mailing Address

EQUILON ENTERPRISES LLC
P. O. BOX 4453 - 700 Milan Street
HOUSTON, TX 77210
Generator's Phone: 713 241-2258 Attn: SONDRA BIENVENU

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: CAR000189431

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address

DEMENNO/KERDOON
2000 E. ALAMEDA STREET
COMPTON, CA 90222
Facility's Phone: 310 537-7100

U.S. EPA ID Number: CAT080013352

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt/Vol.	13. Waste Codes		
	1. NON-RCRA HAZARDOUS WASTE LIQUID (WATER WITH TRACE HYDROCARBONS)	1	TT	850	G	241		
	2.							
	3.							
	4.							

THIS WASTE STREAM HAS BEEN QUALIFIED FOR RECYCLING/TREATMENTS AT THE DeMENNO / KERDOON FACILITY IN COMPTON, CALIFORNIA. THIS FACILITY HAS THE NECESSARY 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
ERG 128
CONTRACTOR: PARADISO MECHANICAL
D WATER WITH HYDROCARBONS

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/Offeror's Printed/Typed Name: K Mark Ferlin Signature: K Mark Ferlin on behalf of Shell Oil Month: 05 Day: 15 Year: 14

INTL

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

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: CHAD CHRISTIE Signature: Month: 05 Day: 15 Year: 14

Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ 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.
H039			

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 Perez Signature: Alfredo Perez Month: 5 Day: 23 Year: 14

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

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: _____ *Date:* 6/6/2014

Cyrus Pournassanian
Laboratory Manager

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. _____

Page 1 of 1

LD Transportation LLC
(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:
Consignee SHELL Oil Products US MARTINEZ REFINERY
Street 1801 MARINA VISTA
City MARTINEZ State, CA Zip Code 94553

FROM:
Shipper Shell Oil Products US
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, Proper Shipping Name, Hazard Class, Packing Group 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	5,000 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(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 ☐ $

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ 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 destination 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 _____ CRA
PER On Behalf of Shell OPUS

CARRIER LD Transportation LLC
PER _____
DATE 6/18/14

4

Permanent post-office address of shipper.

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. _____

Page 1 of 1

LD Transportation LLC
(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:
Consignee SHELL Oil Products US MARTINEZ REFINERY
Street 1601 MARINA VISTA
City MARTINEZ State, CA Zip Code 94553

FROM: Shipper Shell Oil Products US
Street 1601 Webster Street
City 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 Proper Shipping Name, Hazard Class 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(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 except when box at right is checked ☐

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 destination 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 6/18/14

4

Permanent post-office address of shipper.

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. 061814403

Carrier No. _____

Page 1 of 1

LD Transportation LLC
(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:
Consignee SHELL Oil Products US MARTINEZ REFINERY
Street 1801 MARINA VISTA
City MARTINEZ State, CA Zip Code 94553

FROM: Shipper Shell Oil Products US
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, 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	9200 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, 97584701				
		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 ☐ $

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.

_____
(Signature of Consignor)

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ 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 destination 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

Permanent post-office address of shipper.

PRINTED ON RECYCLED PAPER USING SOYBEAN INK PRINTED WITH SOY INK

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. _____

Page 1 of 1

LD Transportation L.L.C.
(Name of carrier) (SCAC)

Date 6/12/14

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

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

FROM: Shipper: Shell Oil Products US
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 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(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 except when box at right is checked ☐ 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 destination 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 _____ CRA

PER On Behalf of Shell OPUS

CARRIER LD Trans

PER _____

DATE 6/12/14

4

Permanent post-office address of shipper.

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. 061814405

Carrier No. _____

Page 1 of 1

LD Transportation LLC
(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: Consignee SHELL Oil Products US MARTINEZ REFINERY

Street 1801 MARINA VISTA

City MARTINEZ State, CA Zip Code 94553

FROM: Shipper Shell Oil Products US

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 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	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, 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 except when box at right is checked ☐ 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 destination 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 _____ CRR

PER On Behalf of Shell OPUS

CARRIER LD Trans

PER _____

DATE 6/19/14

4

Permanent post-office address of shipper.

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. 0618406

Carrier No. _____

Page 1 of 1

LD Transportation LLC
(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:
Consignee: SHELL Oil Products US MARTINEZ REFINERY
Street: 1601 MARINA VISTA
City: MARTINEZ State, CA Zip Code 94553

FROM: Shipper: Shell Oil Products US
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 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	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				
		240467-2014-04				
		SAP# 1350032, 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 except when box at right is checked ☐ 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 destination 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] CSA
PER On Behalf of Shell OPUS
DATE 6/20/14

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

4

Permanent post-office address of shipper.