



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAI 55: Interstate Route 55 at US Route 6 Office Phone Number, if available: _____

Physical Site Location (address, including number and street):

23000 block of Thomas Dillon Drive (ISGS Site No. 693V-4)

City: Channahon State: IL Zip Code: _____

County: Will Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.461105177 Longitude: -88.195641900

(Decimal Degrees)

(-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: _____ BOL: _____ BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

Street Address: 201 West Center Court

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: Schaumburg State: IL

Zip Code: 60196-1096 Phone: 847-705-4101

Zip Code: 60196-1096 Phone: 847-705-4101

Contact: Sam Mead

Contact: Sam Mead

Email, if available: Sam.Mead@illinois.gov

Email, if available: Sam.Mead@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAI 55: Interstate Route 55 at US Route 6

Latitude: 41.461105177 Longitude: -88.195641900

Uncontaminated Site Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

- a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a):

LOCATION VL1-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 693V-4. SEE FIGURE 3-6 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

- b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

PACE ANALYTICAL REPORT - JOB ID: 40122890
ALSO SEE FIGURE 4-6 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, William F. Karlovitz, P.E. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Weston Solutions, Inc.
 Street Address: 300 Circle Plaza; Suite 202
 City: Mundelein State: IL Zip Code: 60060
 Phone: (224) 864-7200

William F. Karlovitz, P.E.

Printed Name:

William F. Karlovitz
 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

14 Dec. 2015
 Date:



P.E. or L.P.G. Seal:

Summary Table of ISGS Site No. 693V-4
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	VL1-1 (0-5)-101415	VL1-1 (5-10)-101415	Soil Reference Concentrations ^A
Sample Date	10/14/2015	10/14/2015	
Location ID	VL1-1	VL1-1	
Depth	0 - 5	5 - 10	
Lab Sample ID	40122890024	40122890025	
Location Code	693V-2	693V-2	
Parameter			
Laboratory pH	8.41 J	7.27 J	<6.25, >9.0
VOCs (ug/kg)			
Acetone	25.1	ND	25000
Methyl ethyl ketone	3.1 J	ND	---
Toluene	ND	ND	12000
SVOCS (ug/kg)			
Benzo(a)pyrene	ND	ND	90 / 1300 / 2100
Total Metals (mg/kg)			
Arsenic, Total	9.2	10.3	11.3 / 13.0
Barium, Total	50.5	73.3	1500
Beryllium, Total	0.68 J	0.78 J	22
Cadmium, Total	ND	ND	5.2
Calcium, Total	4750	14600	---
Chromium, Total	18.1	18.9	21
Cobalt, Total	9.2 J	8.8 J	20
Copper, Total	23.7	22.6	2900
Iron, Total	20500	24000	15000 / 15900
Lead, Total	14.7 J	13.4 J	107
Magnesium, Total	4690	9490	325000
Manganese, Total	547	989	630 / 636
Mercury, Total	0.016 J	0.026	0.89
Nickel, Total	22 J	20.9 J	100
Potassium, Total	1430 J	2010 J	---
Selenium, Total	ND	ND	1.3
Sodium, Total	1110	158 J	---
Thallium, Total	ND	ND	2.6
Vanadium, Total	35.6	31.9	550
Zinc, Total	44.6	53.9	5100
TCLP Metals (mg/l)			
Arsenic, TCLP	0.0286	ND	0.05
Barium, TCLP	0.183	0.0286	2
Beryllium, TCLP	0.0026 J	ND	0.004
Cadmium, TCLP	ND	ND	0.005
Chromium, TCLP	0.0651	0.0069 J	0.1
Cobalt, TCLP	0.0197	0.0012 J	1
Copper, TCLP	0.076	0.005 J	0.65
Iron, TCLP	68.5	6	5
Lead, TCLP	0.0392	0.0036 J	0.0075
Manganese, TCLP	0.702	0.105	0.15
Mercury, TCLP	ND	ND	0.002
Nickel, TCLP	ND	ND	0.1
Selenium, TCLP	ND	ND	0.05
Silver, TCLP	ND	ND	0.05
Zinc, TCLP	0.141	0.0162 J	5
SPLP Metals (mg/l)			
Arsenic, SPLP	ND	ND	0.05
Barium, SPLP	0.35 J	0.4 J	2
Beryllium, SPLP	ND	ND	0.004
Cadmium, SPLP	ND	ND	0.005
Chromium, SPLP	ND	ND	0.1
Cobalt, SPLP	0.0317 J	ND	1
Copper, SPLP	ND	ND	0.65
Iron, SPLP	0.281	ND	5
Lead, SPLP	ND	ND	0.0075
Manganese, SPLP	6.88	0.645	0.15
Mercury, SPLP	ND	ND	0.002
Nickel, SPLP	0.0212 J	0.0084 J	0.1
Selenium, SPLP	ND	ND	0.05
Silver, SPLP	ND	ND	0.05
Zinc, SPLP	ND	ND	5

Summary Table of ISGS Site No. 693V-4
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Notes:

--- - not applicable or value not available.

^A - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.


B - Constituent detected in the blank and investigative sample.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

J+ - Estimated concentration, biased high.

 Shaded values indicate concentration **exceeds** Reference Concentration.

November 05, 2015

Patricia Feeley, P.G.
Environmental Design International Inc.
33 West Monroe Street
Suite 1825
Chicago, IL 606035326

RE: Project: 0295.020 FAI 55
Pace Project No.: 40122890

Dear Patricia Feeley, P.G.:

Enclosed are the analytical results for sample(s) received by the laboratory on October 15, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Brian Basten for
Laurie Woelfel
laurie.woelfel@pacelabs.com
Project Manager

Enclosures

cc: Andrew Dorn, Environmental Design
Colin Pannier, Environmental Design



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0295.020 FAI 55
Pace Project No.: 40122890

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

New Orleans Certification IDs

California Env. Lab Accreditation Program Branch:
11277CA
Florida Department of Health (NELAC): E87595
Illinois Environmental Protection Agency: 0025721
Kansas Department of Health and Environment (NELAC):
E-10266
Louisiana Dept. of Environmental Quality (NELAC/LELAP):
02006

Pennsylvania Dept. of Env Protection (NELAC): 68-04202
Texas Commission on Env. Quality (NELAC):
T104704405-09-TX
U.S. Dept. of Agriculture Foreign Soil Import: P330-10-
00119

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263

North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP ID: 460263
Virginia VELAP Certification ID: 460263
Wisconsin Certification #: 405132750

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #E-10177
Kentucky UST Certification #: 0042
Kentucky WW Certification #:98019
Louisiana Certification #: 04076

Ohio VAP Certification #: CL-0065
Oklahoma Certification #: 2014-148
Texas Certification #: T104704355-15-9
West Virginia Certification #: 330
Wisconsin Certification #: 999788130
USDA Soil Permit #: P330-10-00128

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
WY STR Certification #: 2456.01
Arkansas Certification #: 15-016-0

Illinois Certification #: 003097
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: VL1-1 (0-5)-101415 **Lab ID: 40122890024** Collected: 10/14/15 11:00 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010C MET ICP, TCLP									
Analytical Method: EPA 6010C Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/21/15 08:22 Initial pH: 9.18; Final pH: 1.54									
Arsenic	<0.020	mg/L	0.10	0.020	1	10/21/15 10:29	10/21/15 17:28	7440-38-2	
Barium	0.35J	mg/L	0.50	0.0061	1	10/21/15 10:29	10/21/15 17:28	7440-39-3	
Beryllium	<2.9	ug/L	25.0	2.9	1	10/21/15 10:29	10/21/15 17:28	7440-41-7	
Cadmium	<0.0032	mg/L	0.015	0.0032	1	10/21/15 10:29	10/21/15 17:28	7440-43-9	
Chromium	<0.0044	mg/L	0.050	0.0044	1	10/21/15 10:29	10/21/15 17:28	7440-47-3	
Cobalt	31.7J	ug/L	50.0	2.8	1	10/21/15 10:29	10/21/15 17:28	7440-48-4	
Copper	<6.4	ug/L	50.0	6.4	1	10/21/15 10:29	10/21/15 17:28	7440-50-8	
Iron	281	ug/L	250	51.0	1	10/21/15 10:29	10/21/15 17:28	7439-89-6	
Lead	<0.010	mg/L	0.050	0.010	1	10/21/15 10:29	10/21/15 17:28	7439-92-1	
Manganese	6880	ug/L	25.0	2.8	1	10/21/15 10:29	10/21/15 17:28	7439-96-5	
Nickel	21.2J	ug/L	100	7.6	1	10/21/15 10:29	10/21/15 17:28	7440-02-0	B
Selenium	<0.041	mg/L	0.10	0.041	1	10/21/15 10:29	10/21/15 17:28	7782-49-2	
Silver	<0.012	mg/L	0.050	0.012	1	10/21/15 10:29	10/21/15 17:28	7440-22-4	
Zinc	<22.2	ug/L	100	22.2	1	10/21/15 10:29	10/21/15 17:28	7440-66-6	

6010C MET ICP									
Analytical Method: EPA 6010C Preparation Method: EPA 3050									
Antimony	<0.68	mg/kg	4.0	0.68	5	10/19/15 13:22	10/20/15 13:45	7440-36-0	D3
Arsenic	9.2	mg/kg	4.0	0.96	5	10/19/15 13:22	10/20/15 13:45	7440-38-2	
Barium	50.5	mg/kg	2.0	0.20	5	10/19/15 13:22	10/20/15 13:45	7440-39-3	
Beryllium	0.68J	mg/kg	1.0	0.11	5	10/19/15 13:22	10/20/15 13:45	7440-41-7	D3
Cadmium	<0.15	mg/kg	0.60	0.15	5	10/19/15 13:22	10/20/15 13:45	7440-43-9	D3
Calcium	4750	mg/kg	100	18.3	5	10/19/15 13:22	10/20/15 13:45	7440-70-2	
Chromium	18.1	mg/kg	2.0	0.30	5	10/19/15 13:22	10/20/15 13:45	7440-47-3	
Cobalt	9.2	mg/kg	2.0	0.10	5	10/19/15 13:22	10/20/15 13:45	7440-48-4	
Copper	23.7	mg/kg	2.0	0.29	5	10/19/15 13:22	10/20/15 13:45	7440-50-8	
Iron	20500	mg/kg	10.0	4.1	5	10/19/15 13:22	10/20/15 13:45	7439-89-6	
Lead	14.7	mg/kg	2.0	0.48	5	10/19/15 13:22	10/20/15 13:45	7439-92-1	
Magnesium	4690	mg/kg	100	5.1	5	10/19/15 13:22	10/20/15 13:45	7439-95-4	
Manganese	547	mg/kg	1.0	0.44	5	10/19/15 13:22	10/20/15 13:45	7439-96-5	
Nickel	22.0	mg/kg	4.0	0.33	5	10/19/15 13:22	10/20/15 13:45	7440-02-0	
Potassium	1430	mg/kg	502	20.9	5	10/19/15 13:22	10/21/15 11:42	7440-09-7	
Selenium	<1.6	mg/kg	4.0	1.6	5	10/19/15 13:22	10/20/15 13:45	7782-49-2	D3
Silver	<0.46	mg/kg	2.0	0.46	5	10/19/15 13:22	10/20/15 13:45	7440-22-4	D3
Sodium	1110	mg/kg	201	33.8	5	10/19/15 13:22	10/20/15 13:45	7440-23-5	
Thallium	<0.75	mg/kg	4.0	0.75	5	10/19/15 13:22	10/20/15 13:45	7440-28-0	D3
Vanadium	35.6	mg/kg	3.0	0.36	5	10/19/15 13:22	10/20/15 13:45	7440-62-2	
Zinc	44.6	mg/kg	4.0	1.8	5	10/19/15 13:22	10/20/15 13:45	7440-66-6	B

6010C MET ICP, SPLP									
Analytical Method: EPA 6010C Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 10/21/15 08:13 Initial pH: ; Final pH: 8.76									
Arsenic	28.6	ug/L	20.0	4.0	1	10/21/15 10:36	10/21/15 18:46	7440-38-2	6q
Barium	183	ug/L	10.0	1.2	1	10/21/15 10:36	10/21/15 18:46	7440-39-3	6q
Beryllium	2.6J	ug/L	5.0	0.59	1	10/21/15 10:36	10/21/15 18:46	7440-41-7	6q
Cadmium	<0.65	ug/L	3.0	0.65	1	10/21/15 10:36	10/21/15 18:46	7440-43-9	6q

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: VL1-1 (0-5)-101415 **Lab ID: 40122890024** Collected: 10/14/15 11:00 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010C MET ICP, SPLP									
Analytical Method: EPA 6010C Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 10/21/15 08:13 Initial pH: ; Final pH: 8.76									
Chromium	65.1	ug/L	10.0	0.87	1	10/21/15 10:36	10/21/15 18:46	7440-47-3	6q
Cobalt	19.7	ug/L	10.0	0.56	1	10/21/15 10:36	10/21/15 18:46	7440-48-4	6q
Copper	76.3	ug/L	10.0	1.3	1	10/21/15 10:36	10/21/15 18:46	7440-50-8	6q
Iron	68500	ug/L	50.0	10.2	1	10/21/15 10:36	10/21/15 18:46	7439-89-6	6q
Lead	39.2	ug/L	10.0	2.0	1	10/21/15 10:36	10/21/15 18:46	7439-92-1	6q
Manganese	702	ug/L	5.0	0.56	1	10/21/15 10:36	10/21/15 18:46	7439-96-5	6q
Nickel	86.6	ug/L	20.0	1.5	1	10/21/15 10:36	10/21/15 18:46	7440-02-0	6q
Selenium	<8.3	ug/L	20.0	8.3	1	10/21/15 10:36	10/21/15 18:46	7782-49-2	6q
Silver	<2.4	ug/L	10.0	2.4	1	10/21/15 10:36	10/21/15 18:46	7440-22-4	6q
Zinc	141	ug/L	20.0	4.4	1	10/21/15 10:36	10/21/15 18:46	7440-66-6	6q
7470A Mercury, SPLP									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Leachate Method/Date: EPA 1312; 10/21/15 08:13 Initial pH: ; Final pH: 8.76									
Mercury	<0.065	ug/L	0.60	0.065	1	10/21/15 12:32	10/21/15 16:08	7439-97-6	6q
7470A Mercury, TCLP									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Leachate Method/Date: EPA 1311; 10/21/15 08:22 Initial pH: 9.18; Final pH: 1.54									
Mercury	<0.065	ug/L	0.60	0.065	1	10/21/15 12:32	10/21/15 15:47	7439-97-6	6q
7471B Mercury									
Analytical Method: EPA 7471B Preparation Method: EPA 7471B									
Mercury	0.016J	mg/kg	0.020	0.0069	1	10/19/15 10:09	10/19/15 16:42	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<64.2	ug/kg	214	64.2	1	10/21/15 08:58	10/21/15 13:21	83-32-9	
Acenaphthylene	<64.5	ug/kg	215	64.5	1	10/21/15 08:58	10/21/15 13:21	208-96-8	
Anthracene	<28.9	ug/kg	96.4	28.9	1	10/21/15 08:58	10/21/15 13:21	120-12-7	
Benzo(a)anthracene	<28.0	ug/kg	93.4	28.0	1	10/21/15 08:58	10/21/15 13:21	56-55-3	
Benzo(a)pyrene	<27.2	ug/kg	90.7	27.2	1	10/21/15 08:58	10/21/15 13:21	50-32-8	
Benzo(b)fluoranthene	<31.1	ug/kg	104	31.1	1	10/21/15 08:58	10/21/15 13:21	205-99-2	
Benzo(g,h,i)perylene	<47.3	ug/kg	158	47.3	1	10/21/15 08:58	10/21/15 13:21	191-24-2	
Benzo(k)fluoranthene	<43.3	ug/kg	144	43.3	1	10/21/15 08:58	10/21/15 13:21	207-08-9	
4-Bromophenylphenyl ether	<37.9	ug/kg	126	37.9	1	10/21/15 08:58	10/21/15 13:21	101-55-3	
Butylbenzylphthalate	<29.0	ug/kg	96.7	29.0	1	10/21/15 08:58	10/21/15 13:21	85-68-7	
Carbazole	<28.3	ug/kg	94.4	28.3	1	10/21/15 08:58	10/21/15 13:21	86-74-8	
4-Chloro-3-methylphenol	<56.3	ug/kg	188	56.3	1	10/21/15 08:58	10/21/15 13:21	59-50-7	
4-Chloroaniline	<29.7	ug/kg	99.1	29.7	1	10/21/15 08:58	10/21/15 13:21	106-47-8	
bis(2-Chloroethoxy)methane	<48.7	ug/kg	162	48.7	1	10/21/15 08:58	10/21/15 13:21	111-91-1	
bis(2-Chloroethyl) ether	<56.5	ug/kg	188	56.5	1	10/21/15 08:58	10/21/15 13:21	111-44-4	
2-Chloronaphthalene	<23.2	ug/kg	77.4	23.2	1	10/21/15 08:58	10/21/15 13:21	91-58-7	
2-Chlorophenol	<45.2	ug/kg	151	45.2	1	10/21/15 08:58	10/21/15 13:21	95-57-8	
4-Chlorophenylphenyl ether	<33.7	ug/kg	112	33.7	1	10/21/15 08:58	10/21/15 13:21	7005-72-3	
Chrysene	<27.1	ug/kg	90.2	27.1	1	10/21/15 08:58	10/21/15 13:21	218-01-9	
Dibenz(a,h)anthracene	<49.1	ug/kg	164	49.1	1	10/21/15 08:58	10/21/15 13:21	53-70-3	
Dibenzofuran	<21.9	ug/kg	73.0	21.9	1	10/21/15 08:58	10/21/15 13:21	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: VL1-1 (0-5)-101415 **Lab ID: 40122890024** Collected: 10/14/15 11:00 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<56.9	ug/kg	190	56.9	1	10/21/15 08:58	10/21/15 13:21	95-50-1	
1,3-Dichlorobenzene	<25.1	ug/kg	83.5	25.1	1	10/21/15 08:58	10/21/15 13:21	541-73-1	
1,4-Dichlorobenzene	<25.2	ug/kg	84.0	25.2	1	10/21/15 08:58	10/21/15 13:21	106-46-7	
3,3'-Dichlorobenzidine	<49.1	ug/kg	164	49.1	1	10/21/15 08:58	10/21/15 13:21	91-94-1	
2,4-Dichlorophenol	<48.3	ug/kg	161	48.3	1	10/21/15 08:58	10/21/15 13:21	120-83-2	
Diethylphthalate	<30.0	ug/kg	100	30.0	1	10/21/15 08:58	10/21/15 13:21	84-66-2	
2,4-Dimethylphenol	<35.8	ug/kg	119	35.8	1	10/21/15 08:58	10/21/15 13:21	105-67-9	
Dimethylphthalate	<23.5	ug/kg	78.5	23.5	1	10/21/15 08:58	10/21/15 13:21	131-11-3	
Di-n-butylphthalate	<27.0	ug/kg	90.1	27.0	1	10/21/15 08:58	10/21/15 13:21	84-74-2	
4,6-Dinitro-2-methylphenol	<55.8	ug/kg	186	55.8	1	10/21/15 08:58	10/21/15 13:21	534-52-1	
2,4-Dinitrophenol	<55.1	ug/kg	184	55.1	1	10/21/15 08:58	10/21/15 13:21	51-28-5	
2,4-Dinitrotoluene	<25.9	ug/kg	86.2	25.9	1	10/21/15 08:58	10/21/15 13:21	121-14-2	
2,6-Dinitrotoluene	<34.3	ug/kg	114	34.3	1	10/21/15 08:58	10/21/15 13:21	606-20-2	
Di-n-octylphthalate	<40.7	ug/kg	136	40.7	1	10/21/15 08:58	10/21/15 13:21	117-84-0	
bis(2-Ethylhexyl)phthalate	<30.1	ug/kg	100	30.1	1	10/21/15 08:58	10/21/15 13:21	117-81-7	
Fluoranthene	<25.6	ug/kg	85.3	25.6	1	10/21/15 08:58	10/21/15 13:21	206-44-0	
Fluorene	<21.1	ug/kg	70.5	21.1	1	10/21/15 08:58	10/21/15 13:21	86-73-7	
Hexachloro-1,3-butadiene	<46.1	ug/kg	154	46.1	1	10/21/15 08:58	10/21/15 13:21	87-68-3	
Hexachlorobenzene	<30.4	ug/kg	101	30.4	1	10/21/15 08:58	10/21/15 13:21	118-74-1	
Hexachlorocyclopentadiene	<42.8	ug/kg	143	42.8	1	10/21/15 08:58	10/21/15 13:21	77-47-4	
Hexachloroethane	<29.0	ug/kg	96.5	29.0	1	10/21/15 08:58	10/21/15 13:21	67-72-1	
Indeno(1,2,3-cd)pyrene	<39.1	ug/kg	130	39.1	1	10/21/15 08:58	10/21/15 13:21	193-39-5	
Isophorone	<27.8	ug/kg	92.7	27.8	1	10/21/15 08:58	10/21/15 13:21	78-59-1	
2-Methylnaphthalene	<47.0	ug/kg	157	47.0	1	10/21/15 08:58	10/21/15 13:21	91-57-6	
2-Methylphenol(o-Cresol)	<32.9	ug/kg	110	32.9	1	10/21/15 08:58	10/21/15 13:21	95-48-7	
3&4-Methylphenol(m&p Cresol)	<33.2	ug/kg	111	33.2	1	10/21/15 08:58	10/21/15 13:21		
Naphthalene	<63.3	ug/kg	211	63.3	1	10/21/15 08:58	10/21/15 13:21	91-20-3	
2-Nitroaniline	<51.6	ug/kg	172	51.6	1	10/21/15 08:58	10/21/15 13:21	88-74-4	
3-Nitroaniline	<30.8	ug/kg	103	30.8	1	10/21/15 08:58	10/21/15 13:21	99-09-2	
4-Nitroaniline	<75.1	ug/kg	250	75.1	1	10/21/15 08:58	10/21/15 13:21	100-01-6	
Nitrobenzene	<36.7	ug/kg	122	36.7	1	10/21/15 08:58	10/21/15 13:21	98-95-3	
2-Nitrophenol	<57.1	ug/kg	190	57.1	1	10/21/15 08:58	10/21/15 13:21	88-75-5	
4-Nitrophenol	<45.6	ug/kg	152	45.6	1	10/21/15 08:58	10/21/15 13:21	100-02-7	
N-Nitroso-di-n-propylamine	<28.7	ug/kg	95.6	28.7	1	10/21/15 08:58	10/21/15 13:21	621-64-7	
N-Nitrosodiphenylamine	<245	ug/kg	818	245	1	10/21/15 08:58	10/21/15 13:21	86-30-6	
2,2'-Oxybis(1-chloropropane)	<46.7	ug/kg	156	46.7	1	10/21/15 08:58	10/21/15 13:21	108-60-1	
Pentachlorophenol	<39.8	ug/kg	133	39.8	1	10/21/15 08:58	10/21/15 13:21	87-86-5	
Phenanthrene	<23.2	ug/kg	77.4	23.2	1	10/21/15 08:58	10/21/15 13:21	85-01-8	
Phenol	<42.9	ug/kg	143	42.9	1	10/21/15 08:58	10/21/15 13:21	108-95-2	
Pyrene	<40.1	ug/kg	134	40.1	1	10/21/15 08:58	10/21/15 13:21	129-00-0	
1,2,4-Trichlorobenzene	<20.5	ug/kg	68.2	20.5	1	10/21/15 08:58	10/21/15 13:21	120-82-1	
2,4,5-Trichlorophenol	<32.0	ug/kg	107	32.0	1	10/21/15 08:58	10/21/15 13:21	95-95-4	
2,4,6-Trichlorophenol	<27.6	ug/kg	91.9	27.6	1	10/21/15 08:58	10/21/15 13:21	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	76	%	45-130		1	10/21/15 08:58	10/21/15 13:21	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: VL1-1 (0-5)-101415 **Lab ID: 40122890024** Collected: 10/14/15 11:00 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

2-Fluorobiphenyl (S)	74	%	51-130		1	10/21/15 08:58	10/21/15 13:21	321-60-8	
Terphenyl-d14 (S)	79	%	37-134		1	10/21/15 08:58	10/21/15 13:21	1718-51-0	
Phenol-d6 (S)	69	%	36-130		1	10/21/15 08:58	10/21/15 13:21	13127-88-3	
2-Fluorophenol (S)	66	%	37-130		1	10/21/15 08:58	10/21/15 13:21	367-12-4	
2,4,6-Tribromophenol (S)	72	%	30-130		1	10/21/15 08:58	10/21/15 13:21	118-79-6	

8260 MSV 5035 Low Level

Analytical Method: EPA 8260 Preparation Method: EPA 8260

Acetone	25.1	ug/kg	12.7	3.9	1	10/19/15 12:00	10/19/15 10:13	67-64-1	1q
Benzene	<1.0	ug/kg	3.2	1.0	1	10/19/15 12:00	10/19/15 10:13	71-43-2	
Bromodichloromethane	<0.69	ug/kg	3.2	0.69	1	10/19/15 12:00	10/19/15 10:13	75-27-4	
Bromoform	<0.54	ug/kg	3.2	0.54	1	10/19/15 12:00	10/19/15 10:13	75-25-2	
Bromomethane	<0.95	ug/kg	6.3	0.95	1	10/19/15 12:00	10/19/15 10:13	74-83-9	
2-Butanone (MEK)	3.1J	ug/kg	12.7	1.8	1	10/19/15 12:00	10/19/15 10:13	78-93-3	
Carbon disulfide	<0.82	ug/kg	3.2	0.82	1	10/19/15 12:00	10/19/15 10:13	75-15-0	
Carbon tetrachloride	<1.0	ug/kg	3.2	1.0	1	10/19/15 12:00	10/19/15 10:13	56-23-5	
Chlorobenzene	<1.0	ug/kg	3.2	1.0	1	10/19/15 12:00	10/19/15 10:13	108-90-7	
Chloroethane	<1.3	ug/kg	3.2	1.3	1	10/19/15 12:00	10/19/15 10:13	75-00-3	
Chloroform	<0.60	ug/kg	3.2	0.60	1	10/19/15 12:00	10/19/15 10:13	67-66-3	
Chloromethane	<0.36	ug/kg	3.2	0.36	1	10/19/15 12:00	10/19/15 10:13	74-87-3	
Dibromochloromethane	<1.1	ug/kg	3.2	1.1	1	10/19/15 12:00	10/19/15 10:13	124-48-1	
1,1-Dichloroethane	<1.5	ug/kg	3.2	1.5	1	10/19/15 12:00	10/19/15 10:13	75-34-3	
1,2-Dichloroethane	<0.62	ug/kg	3.2	0.62	1	10/19/15 12:00	10/19/15 10:13	107-06-2	
1,1-Dichloroethene	<1.4	ug/kg	3.2	1.4	1	10/19/15 12:00	10/19/15 10:13	75-35-4	
cis-1,2-Dichloroethene	<0.84	ug/kg	3.2	0.84	1	10/19/15 12:00	10/19/15 10:13	156-59-2	
trans-1,2-Dichloroethene	<0.78	ug/kg	3.2	0.78	1	10/19/15 12:00	10/19/15 10:13	156-60-5	
1,2-Dichloropropane	<0.80	ug/kg	3.2	0.80	1	10/19/15 12:00	10/19/15 10:13	78-87-5	
cis-1,3-Dichloropropene	<0.42	ug/kg	3.2	0.42	1	10/19/15 12:00	10/19/15 10:13	10061-01-5	
trans-1,3-Dichloropropene	<0.59	ug/kg	3.2	0.59	1	10/19/15 12:00	10/19/15 10:13	10061-02-6	
Ethylbenzene	<0.91	ug/kg	3.2	0.91	1	10/19/15 12:00	10/19/15 10:13	100-41-4	
2-Hexanone	<0.94	ug/kg	3.2	0.94	1	10/19/15 12:00	10/19/15 10:13	591-78-6	
Methylene Chloride	<1.2	ug/kg	3.2	1.2	1	10/19/15 12:00	10/19/15 10:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.78	ug/kg	3.2	0.78	1	10/19/15 12:00	10/19/15 10:13	108-10-1	
Methyl-tert-butyl ether	<0.63	ug/kg	3.2	0.63	1	10/19/15 12:00	10/19/15 10:13	1634-04-4	
Styrene	<0.48	ug/kg	3.2	0.48	1	10/19/15 12:00	10/19/15 10:13	100-42-5	
1,1,2,2-Tetrachloroethane	<1.3	ug/kg	3.2	1.3	1	10/19/15 12:00	10/19/15 10:13	79-34-5	
Tetrachloroethene	<0.99	ug/kg	3.2	0.99	1	10/19/15 12:00	10/19/15 10:13	127-18-4	
Toluene	<0.94	ug/kg	3.2	0.94	1	10/19/15 12:00	10/19/15 10:13	108-88-3	
1,1,1-Trichloroethane	<0.98	ug/kg	3.2	0.98	1	10/19/15 12:00	10/19/15 10:13	71-55-6	
1,1,2-Trichloroethane	<1.2	ug/kg	3.2	1.2	1	10/19/15 12:00	10/19/15 10:13	79-00-5	
Trichloroethene	<1.2	ug/kg	3.2	1.2	1	10/19/15 12:00	10/19/15 10:13	79-01-6	
Vinyl chloride	<0.35	ug/kg	3.2	0.35	1	10/19/15 12:00	10/19/15 10:13	75-01-4	
Xylene (Total)	<2.8	ug/kg	9.5	2.8	1	10/19/15 12:00	10/19/15 10:13	1330-20-7	

Surrogates

Dibromofluoromethane (S)	100	%	70-130		1	10/19/15 12:00	10/19/15 10:13	1868-53-7	
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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: VL1-1 (0-5)-101415 **Lab ID: 40122890024** Collected: 10/14/15 11:00 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	104	%	67-138		1	10/19/15 12:00	10/19/15 10:13	2037-26-5	
4-Bromofluorobenzene (S)	93	%	68-130		1	10/19/15 12:00	10/19/15 10:13	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	7.7	%	0.10	0.10	1		10/15/15 18:06		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.41	Std. Units	0.100	0.0100	1		10/19/15 11:45		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: VL1-1 (5-10)-101415 **Lab ID: 40122890025** Collected: 10/14/15 11:20 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010C MET ICP, TCLP									
Analytical Method: EPA 6010C Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/21/15 08:22 Initial pH: 8.01; Final pH: 1.62									
Arsenic	<0.020	mg/L	0.10	0.020	1	10/21/15 10:29	10/21/15 17:31	7440-38-2	
Barium	0.40J	mg/L	0.50	0.0061	1	10/21/15 10:29	10/21/15 17:31	7440-39-3	
Beryllium	<2.9	ug/L	25.0	2.9	1	10/21/15 10:29	10/21/15 17:31	7440-41-7	
Cadmium	<0.0032	mg/L	0.015	0.0032	1	10/21/15 10:29	10/21/15 17:31	7440-43-9	
Chromium	<0.0044	mg/L	0.050	0.0044	1	10/21/15 10:29	10/21/15 17:31	7440-47-3	
Cobalt	<2.8	ug/L	50.0	2.8	1	10/21/15 10:29	10/21/15 17:31	7440-48-4	
Copper	<6.4	ug/L	50.0	6.4	1	10/21/15 10:29	10/21/15 17:31	7440-50-8	
Iron	<51.0	ug/L	250	51.0	1	10/21/15 10:29	10/21/15 17:31	7439-89-6	
Lead	<0.010	mg/L	0.050	0.010	1	10/21/15 10:29	10/21/15 17:31	7439-92-1	
Manganese	645	ug/L	25.0	2.8	1	10/21/15 10:29	10/21/15 17:31	7439-96-5	
Nickel	8.4J	ug/L	100	7.6	1	10/21/15 10:29	10/21/15 17:31	7440-02-0	B
Selenium	<0.041	mg/L	0.10	0.041	1	10/21/15 10:29	10/21/15 17:31	7782-49-2	
Silver	<0.012	mg/L	0.050	0.012	1	10/21/15 10:29	10/21/15 17:31	7440-22-4	
Zinc	<22.2	ug/L	100	22.2	1	10/21/15 10:29	10/21/15 17:31	7440-66-6	

6010C MET ICP									
Analytical Method: EPA 6010C Preparation Method: EPA 3050									
Antimony	<0.93	mg/kg	5.5	0.93	5	10/19/15 13:22	10/20/15 13:48	7440-36-0	D3
Arsenic	10.3	mg/kg	5.5	1.3	5	10/19/15 13:22	10/20/15 13:48	7440-38-2	
Barium	73.3	mg/kg	2.7	0.27	5	10/19/15 13:22	10/20/15 13:48	7440-39-3	
Beryllium	0.78J	mg/kg	1.4	0.15	5	10/19/15 13:22	10/20/15 13:48	7440-41-7	D3
Cadmium	<0.21	mg/kg	0.82	0.21	5	10/19/15 13:22	10/20/15 13:48	7440-43-9	D3
Calcium	14600	mg/kg	137	25.0	5	10/19/15 13:22	10/20/15 13:48	7440-70-2	
Chromium	18.9	mg/kg	2.7	0.41	5	10/19/15 13:22	10/20/15 13:48	7440-47-3	
Cobalt	8.8	mg/kg	2.7	0.14	5	10/19/15 13:22	10/20/15 13:48	7440-48-4	
Copper	22.6	mg/kg	2.7	0.39	5	10/19/15 13:22	10/20/15 13:48	7440-50-8	
Iron	24000	mg/kg	13.7	5.5	5	10/19/15 13:22	10/20/15 13:48	7439-89-6	
Lead	13.4	mg/kg	2.7	0.66	5	10/19/15 13:22	10/20/15 13:48	7439-92-1	
Magnesium	9490	mg/kg	137	7.0	5	10/19/15 13:22	10/20/15 13:48	7439-95-4	
Manganese	989	mg/kg	1.4	0.60	5	10/19/15 13:22	10/20/15 13:48	7439-96-5	
Nickel	20.9	mg/kg	5.5	0.45	5	10/19/15 13:22	10/20/15 13:48	7440-02-0	
Potassium	2010	mg/kg	685	28.5	5	10/19/15 13:22	10/21/15 11:46	7440-09-7	
Selenium	<2.2	mg/kg	5.5	2.2	5	10/19/15 13:22	10/20/15 13:48	7782-49-2	D3
Silver	<0.63	mg/kg	2.7	0.63	5	10/19/15 13:22	10/20/15 13:48	7440-22-4	D3
Sodium	158J	mg/kg	274	46.1	5	10/19/15 13:22	10/20/15 13:48	7440-23-5	
Thallium	<1.0	mg/kg	5.5	1.0	5	10/19/15 13:22	10/20/15 13:48	7440-28-0	D3
Vanadium	31.9	mg/kg	4.1	0.49	5	10/19/15 13:22	10/20/15 13:48	7440-62-2	
Zinc	53.9	mg/kg	5.5	2.4	5	10/19/15 13:22	10/20/15 13:48	7440-66-6	B

6010C MET ICP, SPLP									
Analytical Method: EPA 6010C Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 10/21/15 08:13 Initial pH: ; Final pH: 8.07									
Arsenic	<4.0	ug/L	20.0	4.0	1	10/21/15 10:36	10/21/15 18:49	7440-38-2	6q
Barium	28.6	ug/L	10.0	1.2	1	10/21/15 10:36	10/21/15 18:49	7440-39-3	6q
Beryllium	<0.59	ug/L	5.0	0.59	1	10/21/15 10:36	10/21/15 18:49	7440-41-7	6q
Cadmium	<0.65	ug/L	3.0	0.65	1	10/21/15 10:36	10/21/15 18:49	7440-43-9	6q

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: VL1-1 (5-10)-101415 **Lab ID: 40122890025** Collected: 10/14/15 11:20 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010C MET ICP, SPLP									
Analytical Method: EPA 6010C Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 10/21/15 08:13 Initial pH: ; Final pH: 8.07									
Chromium	6.9J	ug/L	10.0	0.87	1	10/21/15 10:36	10/21/15 18:49	7440-47-3	6q
Cobalt	1.2J	ug/L	10.0	0.56	1	10/21/15 10:36	10/21/15 18:49	7440-48-4	6q
Copper	5.0J	ug/L	10.0	1.3	1	10/21/15 10:36	10/21/15 18:49	7440-50-8	6q
Iron	6000	ug/L	50.0	10.2	1	10/21/15 10:36	10/21/15 18:49	7439-89-6	6q
Lead	3.6J	ug/L	10.0	2.0	1	10/21/15 10:36	10/21/15 18:49	7439-92-1	6q
Manganese	105	ug/L	5.0	0.56	1	10/21/15 10:36	10/21/15 18:49	7439-96-5	6q
Nickel	7.9J	ug/L	20.0	1.5	1	10/21/15 10:36	10/21/15 18:49	7440-02-0	6q
Selenium	<8.3	ug/L	20.0	8.3	1	10/21/15 10:36	10/21/15 18:49	7782-49-2	6q
Silver	<2.4	ug/L	10.0	2.4	1	10/21/15 10:36	10/21/15 18:49	7440-22-4	6q
Zinc	16.2J	ug/L	20.0	4.4	1	10/21/15 10:36	10/21/15 18:49	7440-66-6	6q
7470A Mercury, SPLP									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Leachate Method/Date: EPA 1312; 10/21/15 08:13 Initial pH: ; Final pH: 8.07									
Mercury	<0.065	ug/L	0.60	0.065	1	10/21/15 12:32	10/21/15 16:11	7439-97-6	6q
7470A Mercury, TCLP									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Leachate Method/Date: EPA 1311; 10/21/15 08:22 Initial pH: 8.01; Final pH: 1.62									
Mercury	<0.065	ug/L	0.60	0.065	1	10/21/15 12:32	10/21/15 15:49	7439-97-6	6q
7471B Mercury									
Analytical Method: EPA 7471B Preparation Method: EPA 7471B									
Mercury	0.026	mg/kg	0.021	0.0072	1	10/19/15 10:09	10/19/15 16:44	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<73.3	ug/kg	244	73.3	1	10/21/15 08:58	10/21/15 18:01	83-32-9	
Acenaphthylene	<73.7	ug/kg	246	73.7	1	10/21/15 08:58	10/21/15 18:01	208-96-8	
Anthracene	<33.0	ug/kg	110	33.0	1	10/21/15 08:58	10/21/15 18:01	120-12-7	
Benzo(a)anthracene	<32.0	ug/kg	107	32.0	1	10/21/15 08:58	10/21/15 18:01	56-55-3	
Benzo(a)pyrene	<31.1	ug/kg	104	31.1	1	10/21/15 08:58	10/21/15 18:01	50-32-8	
Benzo(b)fluoranthene	<35.5	ug/kg	118	35.5	1	10/21/15 08:58	10/21/15 18:01	205-99-2	
Benzo(g,h,i)perylene	<54.1	ug/kg	180	54.1	1	10/21/15 08:58	10/21/15 18:01	191-24-2	
Benzo(k)fluoranthene	<49.5	ug/kg	165	49.5	1	10/21/15 08:58	10/21/15 18:01	207-08-9	
4-Bromophenylphenyl ether	<43.3	ug/kg	144	43.3	1	10/21/15 08:58	10/21/15 18:01	101-55-3	
Butylbenzylphthalate	<33.1	ug/kg	110	33.1	1	10/21/15 08:58	10/21/15 18:01	85-68-7	
Carbazole	<32.4	ug/kg	108	32.4	1	10/21/15 08:58	10/21/15 18:01	86-74-8	
4-Chloro-3-methylphenol	<64.3	ug/kg	214	64.3	1	10/21/15 08:58	10/21/15 18:01	59-50-7	
4-Chloroaniline	<34.0	ug/kg	113	34.0	1	10/21/15 08:58	10/21/15 18:01	106-47-8	
bis(2-Chloroethoxy)methane	<55.7	ug/kg	186	55.7	1	10/21/15 08:58	10/21/15 18:01	111-91-1	
bis(2-Chloroethyl) ether	<64.5	ug/kg	215	64.5	1	10/21/15 08:58	10/21/15 18:01	111-44-4	
2-Chloronaphthalene	<26.5	ug/kg	88.5	26.5	1	10/21/15 08:58	10/21/15 18:01	91-58-7	
2-Chlorophenol	<51.6	ug/kg	172	51.6	1	10/21/15 08:58	10/21/15 18:01	95-57-8	
4-Chlorophenylphenyl ether	<38.5	ug/kg	128	38.5	1	10/21/15 08:58	10/21/15 18:01	7005-72-3	
Chrysene	<30.9	ug/kg	103	30.9	1	10/21/15 08:58	10/21/15 18:01	218-01-9	
Dibenz(a,h)anthracene	<56.1	ug/kg	187	56.1	1	10/21/15 08:58	10/21/15 18:01	53-70-3	
Dibenzofuran	<25.0	ug/kg	83.4	25.0	1	10/21/15 08:58	10/21/15 18:01	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: VL1-1 (5-10)-101415 **Lab ID: 40122890025** Collected: 10/14/15 11:20 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<65.0	ug/kg	217	65.0	1	10/21/15 08:58	10/21/15 18:01	95-50-1	
1,3-Dichlorobenzene	<28.6	ug/kg	95.4	28.6	1	10/21/15 08:58	10/21/15 18:01	541-73-1	
1,4-Dichlorobenzene	<28.8	ug/kg	96.0	28.8	1	10/21/15 08:58	10/21/15 18:01	106-46-7	
3,3'-Dichlorobenzidine	<56.1	ug/kg	187	56.1	1	10/21/15 08:58	10/21/15 18:01	91-94-1	
2,4-Dichlorophenol	<55.2	ug/kg	184	55.2	1	10/21/15 08:58	10/21/15 18:01	120-83-2	
Diethylphthalate	<34.3	ug/kg	114	34.3	1	10/21/15 08:58	10/21/15 18:01	84-66-2	
2,4-Dimethylphenol	<40.9	ug/kg	136	40.9	1	10/21/15 08:58	10/21/15 18:01	105-67-9	
Dimethylphthalate	<26.9	ug/kg	89.6	26.9	1	10/21/15 08:58	10/21/15 18:01	131-11-3	
Di-n-butylphthalate	<30.9	ug/kg	103	30.9	1	10/21/15 08:58	10/21/15 18:01	84-74-2	
4,6-Dinitro-2-methylphenol	<63.7	ug/kg	212	63.7	1	10/21/15 08:58	10/21/15 18:01	534-52-1	
2,4-Dinitrophenol	<63.0	ug/kg	210	63.0	1	10/21/15 08:58	10/21/15 18:01	51-28-5	
2,4-Dinitrotoluene	<29.6	ug/kg	98.5	29.6	1	10/21/15 08:58	10/21/15 18:01	121-14-2	
2,6-Dinitrotoluene	<39.2	ug/kg	131	39.2	1	10/21/15 08:58	10/21/15 18:01	606-20-2	
Di-n-octylphthalate	<46.5	ug/kg	155	46.5	1	10/21/15 08:58	10/21/15 18:01	117-84-0	
bis(2-Ethylhexyl)phthalate	<34.4	ug/kg	115	34.4	1	10/21/15 08:58	10/21/15 18:01	117-81-7	
Fluoranthene	<29.2	ug/kg	97.5	29.2	1	10/21/15 08:58	10/21/15 18:01	206-44-0	
Fluorene	<24.2	ug/kg	80.5	24.2	1	10/21/15 08:58	10/21/15 18:01	86-73-7	
Hexachloro-1,3-butadiene	<52.7	ug/kg	176	52.7	1	10/21/15 08:58	10/21/15 18:01	87-68-3	
Hexachlorobenzene	<34.8	ug/kg	116	34.8	1	10/21/15 08:58	10/21/15 18:01	118-74-1	
Hexachlorocyclopentadiene	<48.9	ug/kg	163	48.9	1	10/21/15 08:58	10/21/15 18:01	77-47-4	
Hexachloroethane	<33.1	ug/kg	110	33.1	1	10/21/15 08:58	10/21/15 18:01	67-72-1	
Indeno(1,2,3-cd)pyrene	<44.7	ug/kg	149	44.7	1	10/21/15 08:58	10/21/15 18:01	193-39-5	
Isophorone	<31.8	ug/kg	106	31.8	1	10/21/15 08:58	10/21/15 18:01	78-59-1	
2-Methylnaphthalene	<53.7	ug/kg	179	53.7	1	10/21/15 08:58	10/21/15 18:01	91-57-6	
2-Methylphenol(o-Cresol)	<37.6	ug/kg	125	37.6	1	10/21/15 08:58	10/21/15 18:01	95-48-7	
3&4-Methylphenol(m&p Cresol)	<37.9	ug/kg	126	37.9	1	10/21/15 08:58	10/21/15 18:01		
Naphthalene	<72.3	ug/kg	241	72.3	1	10/21/15 08:58	10/21/15 18:01	91-20-3	
2-Nitroaniline	<58.9	ug/kg	196	58.9	1	10/21/15 08:58	10/21/15 18:01	88-74-4	
3-Nitroaniline	<35.1	ug/kg	117	35.1	1	10/21/15 08:58	10/21/15 18:01	99-09-2	
4-Nitroaniline	<85.8	ug/kg	286	85.8	1	10/21/15 08:58	10/21/15 18:01	100-01-6	
Nitrobenzene	<41.9	ug/kg	140	41.9	1	10/21/15 08:58	10/21/15 18:01	98-95-3	
2-Nitrophenol	<65.2	ug/kg	217	65.2	1	10/21/15 08:58	10/21/15 18:01	88-75-5	
4-Nitrophenol	<52.0	ug/kg	173	52.0	1	10/21/15 08:58	10/21/15 18:01	100-02-7	
N-Nitroso-di-n-propylamine	<32.8	ug/kg	109	32.8	1	10/21/15 08:58	10/21/15 18:01	621-64-7	
N-Nitrosodiphenylamine	<280	ug/kg	935	280	1	10/21/15 08:58	10/21/15 18:01	86-30-6	
2,2'-Oxybis(1-chloropropane)	<53.3	ug/kg	178	53.3	1	10/21/15 08:58	10/21/15 18:01	108-60-1	
Pentachlorophenol	<45.5	ug/kg	152	45.5	1	10/21/15 08:58	10/21/15 18:01	87-86-5	
Phenanthrene	<26.5	ug/kg	88.4	26.5	1	10/21/15 08:58	10/21/15 18:01	85-01-8	
Phenol	<49.0	ug/kg	163	49.0	1	10/21/15 08:58	10/21/15 18:01	108-95-2	
Pyrene	<45.8	ug/kg	153	45.8	1	10/21/15 08:58	10/21/15 18:01	129-00-0	
1,2,4-Trichlorobenzene	<23.4	ug/kg	77.9	23.4	1	10/21/15 08:58	10/21/15 18:01	120-82-1	
2,4,5-Trichlorophenol	<36.5	ug/kg	122	36.5	1	10/21/15 08:58	10/21/15 18:01	95-95-4	
2,4,6-Trichlorophenol	<31.5	ug/kg	105	31.5	1	10/21/15 08:58	10/21/15 18:01	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	77	%	45-130		1	10/21/15 08:58	10/21/15 18:01	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: VL1-1 (5-10)-101415 **Lab ID: 40122890025** Collected: 10/14/15 11:20 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

2-Fluorobiphenyl (S)	62	%	51-130		1	10/21/15 08:58	10/21/15 18:01	321-60-8	
Terphenyl-d14 (S)	68	%	37-134		1	10/21/15 08:58	10/21/15 18:01	1718-51-0	
Phenol-d6 (S)	65	%	36-130		1	10/21/15 08:58	10/21/15 18:01	13127-88-3	
2-Fluorophenol (S)	66	%	37-130		1	10/21/15 08:58	10/21/15 18:01	367-12-4	
2,4,6-Tribromophenol (S)	60	%	30-130		1	10/21/15 08:58	10/21/15 18:01	118-79-6	

8260 MSV 5035 Low Level

Analytical Method: EPA 8260 Preparation Method: EPA 8260

Acetone	<5.1	ug/kg	16.3	5.1	1	10/19/15 12:00	10/19/15 10:36	67-64-1	2q
Benzene	<1.3	ug/kg	4.1	1.3	1	10/19/15 12:00	10/19/15 10:36	71-43-2	
Bromodichloromethane	<0.89	ug/kg	4.1	0.89	1	10/19/15 12:00	10/19/15 10:36	75-27-4	
Bromoform	<0.69	ug/kg	4.1	0.69	1	10/19/15 12:00	10/19/15 10:36	75-25-2	
Bromomethane	<1.2	ug/kg	8.1	1.2	1	10/19/15 12:00	10/19/15 10:36	74-83-9	
2-Butanone (MEK)	<2.3	ug/kg	16.3	2.3	1	10/19/15 12:00	10/19/15 10:36	78-93-3	
Carbon disulfide	<1.0	ug/kg	4.1	1.0	1	10/19/15 12:00	10/19/15 10:36	75-15-0	
Carbon tetrachloride	<1.3	ug/kg	4.1	1.3	1	10/19/15 12:00	10/19/15 10:36	56-23-5	
Chlorobenzene	<1.3	ug/kg	4.1	1.3	1	10/19/15 12:00	10/19/15 10:36	108-90-7	
Chloroethane	<1.6	ug/kg	4.1	1.6	1	10/19/15 12:00	10/19/15 10:36	75-00-3	
Chloroform	<0.77	ug/kg	4.1	0.77	1	10/19/15 12:00	10/19/15 10:36	67-66-3	
Chloromethane	<0.46	ug/kg	4.1	0.46	1	10/19/15 12:00	10/19/15 10:36	74-87-3	
Dibromochloromethane	<1.4	ug/kg	4.1	1.4	1	10/19/15 12:00	10/19/15 10:36	124-48-1	
1,1-Dichloroethane	<1.9	ug/kg	4.1	1.9	1	10/19/15 12:00	10/19/15 10:36	75-34-3	
1,2-Dichloroethane	<0.80	ug/kg	4.1	0.80	1	10/19/15 12:00	10/19/15 10:36	107-06-2	
1,1-Dichloroethene	<1.8	ug/kg	4.1	1.8	1	10/19/15 12:00	10/19/15 10:36	75-35-4	
cis-1,2-Dichloroethene	<1.1	ug/kg	4.1	1.1	1	10/19/15 12:00	10/19/15 10:36	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/kg	4.1	1.0	1	10/19/15 12:00	10/19/15 10:36	156-60-5	
1,2-Dichloropropane	<1.0	ug/kg	4.1	1.0	1	10/19/15 12:00	10/19/15 10:36	78-87-5	
cis-1,3-Dichloropropene	<0.54	ug/kg	4.1	0.54	1	10/19/15 12:00	10/19/15 10:36	10061-01-5	
trans-1,3-Dichloropropene	<0.75	ug/kg	4.1	0.75	1	10/19/15 12:00	10/19/15 10:36	10061-02-6	
Ethylbenzene	<1.2	ug/kg	4.1	1.2	1	10/19/15 12:00	10/19/15 10:36	100-41-4	
2-Hexanone	<1.2	ug/kg	4.1	1.2	1	10/19/15 12:00	10/19/15 10:36	591-78-6	
Methylene Chloride	<1.5	ug/kg	4.1	1.5	1	10/19/15 12:00	10/19/15 10:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	<1.0	ug/kg	4.1	1.0	1	10/19/15 12:00	10/19/15 10:36	108-10-1	
Methyl-tert-butyl ether	<0.81	ug/kg	4.1	0.81	1	10/19/15 12:00	10/19/15 10:36	1634-04-4	
Styrene	<0.62	ug/kg	4.1	0.62	1	10/19/15 12:00	10/19/15 10:36	100-42-5	
1,1,2,2-Tetrachloroethane	<1.7	ug/kg	4.1	1.7	1	10/19/15 12:00	10/19/15 10:36	79-34-5	
Tetrachloroethene	<1.3	ug/kg	4.1	1.3	1	10/19/15 12:00	10/19/15 10:36	127-18-4	
Toluene	<1.2	ug/kg	4.1	1.2	1	10/19/15 12:00	10/19/15 10:36	108-88-3	
1,1,1-Trichloroethane	<1.3	ug/kg	4.1	1.3	1	10/19/15 12:00	10/19/15 10:36	71-55-6	
1,1,2-Trichloroethane	<1.6	ug/kg	4.1	1.6	1	10/19/15 12:00	10/19/15 10:36	79-00-5	
Trichloroethene	<1.6	ug/kg	4.1	1.6	1	10/19/15 12:00	10/19/15 10:36	79-01-6	
Vinyl chloride	<0.44	ug/kg	4.1	0.44	1	10/19/15 12:00	10/19/15 10:36	75-01-4	
Xylene (Total)	<3.6	ug/kg	12.2	3.6	1	10/19/15 12:00	10/19/15 10:36	1330-20-7	

Surrogates

Dibromofluoromethane (S)	102	%	70-130		1	10/19/15 12:00	10/19/15 10:36	1868-53-7	
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: VL1-1 (5-10)-101415 **Lab ID: 40122890025** Collected: 10/14/15 11:20 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	102	%	67-138		1	10/19/15 12:00	10/19/15 10:36	2037-26-5	
4-Bromofluorobenzene (S)	93	%	68-130		1	10/19/15 12:00	10/19/15 10:36	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	19.2	%	0.10	0.10	1		10/15/15 18:07		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	7.27	Std. Units	0.100	0.0100	1		10/19/15 11:45		H6

Revised 11/05/15 16:33

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: EDI
Branch/Location:
Project Contact: Patricia/Colin
Phone: 312-345-1400
Project Number: 0295, 020
Project Name: FAT 55
Project State: FL
Sampled By (Print): Colin Penick
Sampled By (Sign):
PO #:
Regulatory Program:



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CHAIN OF CUSTODY

Preservation Codes
A=None B-HCL C-H2SO4 D-HNO3 E-DI Water F-Methanol G-NaOH
H-Sodium Bisulfate Solution I-Sodium Thiosulfate J-Other

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Filtered? (YES/NO)
Preservation (CODE)*

Y / I / N	Pick Label	Analyses Requested
X		VOCs
X		SVOCs
X		Total Metals
X		TCLP Metals
X		SPLP Metals
X		pH

PAGE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	AL2-12(5-9)-101415	10/14/15	1130	Soil
002	AL2-11(5-9)-101415	10/14/15	1150	Soil
003	AL2-11(5-9)-101415	10/14/15	1200	Soil
004	AL2-10(5-9)-101415	10/14/15	1220	Soil
005	AL2-10(5-9)-101415	10/14/15	1230	Soil
006	AL2-9(5-9)-101415	10/14/15	1245	Soil
007	AL2-9(5-9)-101415	10/14/15	1300	Soil
008	AL2-8(5-9)-101415	10/14/15	1315	Soil
009	AL2-8(5-9)-101415	10/14/15	1330	Soil
010	AL2-7(5-9)-101415	10/14/15	1415	Soil
011	AL2-7(5-9)-101415	10/14/15	1425	Soil
012	AL2-7(5-9)-101415	10/14/15	1435	Soil
013	AL2-6(5-9)-101415	10/14/15	1500	Soil

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
Date Needed:

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
Patricia Penick	10/14/15 1535	Patricia Penick	10/14/15 1730
Colin Penick	10/14/15 0935	Colin Penick	10/14/15 0935

Received By:	Date/Time:	Received By:	Date/Time:
Patricia Penick	10/14/15 1735	Patricia Penick	10/14/15 1735
Colin Penick	10/14/15 0935	Colin Penick	10/14/15 0935

CLIENT COMMENTS
LAB COMMENTS (Lab Use Only)
340ml EFT 3-412ag A

Quote #: 40122890
Mail To Contact:
Mail To Company:
Mail To Address:
Invoice To Contact:
Invoice To Company:
Invoice To Address:
Invoice To Phone:
Cooler Custody Seal Present / Not Present
Sample Receipt PH OK / Adjusted
Receipt Temp = 004.10c
Intact / Not Intact

(Please Print Clearly)

Company Name: EDT
Branch/Location:
Project Contact: Patricia Cain
Phone:
Project Number: 0295.020
Project Name: IDOT 025-056ETS
Project State: Illinois
Sampled By (Print): Margaret O'Brien-Skibic
Sampled By (Sign): *Margaret O'Brien-Skibic*

Project Number: 0295.020
Project Name: IDOT 025-056ETS
Project State: Illinois
Sampled By (Print): Margaret O'Brien-Skibic
Sampled By (Sign): *Margaret O'Brien-Skibic*

Project Number: 0295.020
Project Name: IDOT 025-056ETS
Project State: Illinois
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Sampled By (Sign): *Margaret O'Brien-Skibic*

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Project State: Illinois
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Sampled By (Sign): *Margaret O'Brien-Skibic*

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Project State: Illinois
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Sampled By (Sign): *Margaret O'Brien-Skibic*

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Sampled By (Sign): *Margaret O'Brien-Skibic*

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Project State: Illinois
Sampled By (Print): Margaret O'Brien-Skibic
Sampled By (Sign): *Margaret O'Brien-Skibic*

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Project State: Illinois
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Project Name: IDOT 025-056ETS
Project State: Illinois
Sampled By (Print): Margaret O'Brien-Skibic
Sampled By (Sign): *Margaret O'Brien-Skibic*

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Project Name: IDOT 025-056ETS
Project State: Illinois
Sampled By (Print): Margaret O'Brien-Skibic
Sampled By (Sign): *Margaret O'Brien-Skibic*

Project Number: 0295.020
Project Name: IDOT 025-056ETS
Project State: Illinois
Sampled By (Print): Margaret O'Brien-Skibic
Sampled By (Sign): *Margaret O'Brien-Skibic*



CHAIN OF CUSTODY

AN=None B=HCL C=H2SO4 D=HNO3 E=D1 Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

REGULATORY PROGRAM:
Regulatory Program:

DATA PACKAGE OPTIONS (billable)
 EPA Level III
 EPA Level IV

MS/MSD (billable)
 On your sample
 NOT needed on your sample

MATRIX CODES
A=Air B=Biota C=Charcoal O=Oil S=Soil SI=Sludge
W=Water DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water WP=Wipe

CLIENT FIELD ID
PAGE LAB #

DATE TIME MATRIX

RELINQUISHED BY: *Margaret O'Brien-Skibic* Date/Time: 10-14-15 1330

RELINQUISHED BY: *Margaret O'Brien-Skibic* Date/Time: 10-14-15 1330

RELINQUISHED BY: *Margaret O'Brien-Skibic* Date/Time: 10-14-15 1330

RELINQUISHED BY: *Margaret O'Brien-Skibic* Date/Time: 10-14-15 1330

RELINQUISHED BY: *Margaret O'Brien-Skibic* Date/Time: 10-14-15 1330

RELINQUISHED BY: *Margaret O'Brien-Skibic* Date/Time: 10-14-15 1330

RELINQUISHED BY: *Margaret O'Brien-Skibic* Date/Time: 10-14-15 1330

RELINQUISHED BY: *Margaret O'Brien-Skibic* Date/Time: 10-14-15 1330

RELINQUISHED BY: *Margaret O'Brien-Skibic* Date/Time: 10-14-15 1330

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Quote #:
Mail To Contact:
Mail To Company:
Mail To Address:

Invoice To Contact:
Invoice To Company:
Invoice To Address:

Invoice To Phone:
CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)
3-4DMV EEF 3-4DZG

DATE TIME MATRIX

RELINQUISHED BY: *Margaret O'Brien-Skibic* Date/Time: 10-14-15 1330

RELINQUISHED BY: *Margaret O'Brien-Skibic* Date/Time: 10-14-15 1330

RELINQUISHED BY: *Margaret O'Brien-Skibic* Date/Time: 10-14-15 1330

RELINQUISHED BY: *Margaret O'Brien-Skibic* Date/Time: 10-14-15 1330

RELINQUISHED BY: *Margaret O'Brien-Skibic* Date/Time: 10-14-15 1330

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RELINQUISHED BY: *Margaret O'Brien-Skibic* Date/Time: 10-14-15 1330

RELINQUISHED BY: *Margaret O'Brien-Skibic* Date/Time: 10-14-15 1330

RELINQUISHED BY: *Margaret O'Brien-Skibic* Date/Time: 10-14-15 1330

RELINQUISHED BY: *Margaret O'Brien-Skibic* Date/Time: 10-14-15 1330

RELINQUISHED BY: *Margaret O'Brien-Skibic* Date/Time: 10-14-15 1330

(Please Print Clearly)



CHAIN OF CUSTODY

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Company Name: EDI
Branch/Location:
Project Contact: Patricia/Colin
Phone: 912.345.1400
Project Number: 0295.020
Project Name: FAT 55
Project State: FL
Sampled By (Print): Colin Parris
Sampled By (Sign): [Signature]
PO #:
Regulatory Program:

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD (billable)
 On your sample
 NOT needed on your sample

Matrix Codes
 A = Air
 B = Sludge
 C = Charcoal
 D = Oil
 S = Soil
 SI = Sludge
 W = Water
 DW = Drinking Water
 GW = Ground Water
 SW = Surface Water
 WW = Waste Water
 WP = Wipe

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Analyses Requested	
					V/N	Pick Letter
027	PV-3(0-8)-101415	10/14/15	0730	Soil	X	VOCs
028	PV-4(0-8)-101415	0830			X	SVOCs
029	PV-5(0-8)-101415 D	0845			X	Total Metals
030	PV-5(0-8)-101415	0840			X	TCLP Metals
031	CC-2(0-5)101415	0950			X	SPRP Metals
032	CC-2(5-9)-101415	1000			X	pH
033	CC-1(0-3)-101415	1010			X	
034	R-2(0-5)-101415	1025			X	
035	R-2(5-9)-101415	1035			X	
036	R-1(0-5)-101415	1050			X	
037	R-1(0-5)-101415 D	1055			X	
038	R-1(5-9)-101415	1105			X	
039	ALZ-12(0-5)101415	1125			X	

Relinquished By: [Signature] Date/Time: 10/14/15 1535
Received By: [Signature] Date/Time: 10/14/15 1333

Relinquished By: [Signature] Date/Time: 10/15/15 0835
Received By: [Signature] Date/Time: 10/15/15 0935

Relinquished By: [Signature] Date/Time: 10/15/15 0835
Received By: [Signature] Date/Time: 10/15/15 0935

Quote #:
Mail To Contact:
Mail To Company:
Mail To Address:
Invoice To Contact:
Invoice To Company:
Invoice To Address:
Invoice To Phone:
CLIENT COMMENTS:
LAB COMMENTS (Lab Use Only): 3-4 DMV EEF 3-4 away
Profile #
COOLER CUSTODY SEAL
 Present / Not Present
 Intact / Not Intact

(Please Print Clearly)

Company Name: EDI
Branch/Location:
Project Contact: Patricia Cain
Phone:
Project Number: 0295.0020
Project Name: DOT 035-US6 E-555
Project State: Illinois
Sampled By (Print): Margaret Darnery-Subic
Sampled By (Sign): mgdarnery

CHAIN OF CUSTODY



UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Filtered? (YES/NO)
PRESERVATION (CODE)*
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Regulatory Program:

V/I/N	Pick Letter	ANALYSES REQUESTED
N	EF	VOCs
N	A	SVOCs
N	D	Total Metals
N	A	TECP Metals
N	D	OPRP Metals
N	D	PH

Quote #:
Mail To Contact:
Mail To Company:
Mail To Address:
Invoice To Contact:
Invoice To Company:
Invoice To Address:
Invoice To Phone:

CLIENT COMMENTS
LAB COMMENTS (Lab Use Only)
Profile #

3-40ml EET 3-40mg
LAST ITEM

Data Package Options (billable)
 EPA Level III
 EPA Level IV
MS/MSD (billable)
 On your sample
 NOT needed on your sample

Matrix Codes
A=Air B=Bioa C=Charcoal O=Oil S=Soil SI=Sludge
W=Water DW=Drinking Water GW=Ground Water SW=Surface Water WP=Waste Water

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX
D4D	VU-2(5-10)-101415	10-14-15	1135	S
D4I	VU-3(0-7)-101415	10-14-15	1230	S
D4A	VU-1-3(7-14)-101415	10-14-15	1235	S
D43	VU-1-4(0-5)-101415	10-14-15	1253	S
D44	VU-1-4(5-10)-101415	10-14-15	1258	S
D45	VU-1-5(0-5)-101415	10-14-15	1315	S
D4P	VU-1-5(0-5)-101415D	10-14-15	1315	S

DATE	TIME	MATRIX
10-14-15	1135	S
10-14-15	1230	S
10-14-15	1235	S
10-14-15	1253	S
10-14-15	1258	S
10-14-15	1315	S
10-14-15	1315	S

Requesting By: Brian Kueyprunk
Received By: Patricia Cain
Date/Time: 10/15/15 0935

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Requesting By: Brian Kueyprunk
Received By: Patricia Cain
Date/Time: 10/15/15 1730

Requesting By: Brian Kueyprunk
Received By: Patricia Cain
Date/Time: 10/15/15 1333

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Requesting By: Brian Kueyprunk
Received By: Patricia Cain
Date/Time: 10/15/15 0935

Requesting By: Brian Kueyprunk
Received By: Patricia Cain
Date/Time: 10/15/15 0935

Special pricing and release of liability

Requesting By: Brian Kueyprunk
Received By: Patricia Cain
Date/Time: 10/15/15 0935

Requesting By: Brian Kueyprunk
Received By: Patricia Cain
Date/Time: 10/15/15 0935

(Please Print Clearly)

Company Name: EDI
 Branch/Location:
 Project Contact: Patricia Kolin
 Phone:
 Project Number: 0295-000
 Project Name: 1DOT 025-VS6ET-33
 Project State: Illinois
 Sampled By (Print): Margaret Downey-Skovic
 Sampled By (Sign): *[Signature]*
 PO #:
 Regulatory Program:

Data Package Options
 (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air
 B = Biotia
 C = Charcoal
 O = Oil
 S = Soil
 SI = Sludge
 W = Water
 DW = Drinking Water
 GW = Ground Water
 SW = Surface Water
 WP = Waste Water

PAGE LAB # **CLIENT FIELD ID** **DATE** **COLLECTION TIME** **MATRIX**



CHAIN OF CUSTODY

Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

REGULATORY PROGRAM (CODE)
 FILTERED? (YES/NO)

Y/N	Pick Letter	Analyses Requested
N	EF	VOCs
N	A	SVOCs
N	A	Total Metals
N	A	TCLP Metals
N	D	SPLP Metals
N	A	PH

Quote #:

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

3-40ml EEF 3-40mg

CASTLEWOOD

40122890

Receipt Temp = 10.4

Sample Receipt pH

OK / Adjusted

Cooler/Custody Seal Present / Not Present Intact / Not Intact



Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Client Name: EDI

Project #:

WO#: 40122890

Courier: Fed Ex UPS Client Pace Other: CS LOGISTICS
Tracking #:



Custody Seal on Cooler/Box Present: X yes - no Seals intact: X yes - no

Custody Seal on Samples Present: yes X no Seals intact: yes - no

Packing Material: Bubble Wrap X Bubble Bags None Other

Thermometer Used SR104 Type of Ice: Wet Blue Dry None X Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 0.04, 1.0 Corr: 0.04, 1.0 Biological Tissue is Frozen: yes

Temp Blank Present: X yes - no

Person examining contents:
Date: 10/15/15
Initials: JL

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows for Chain of Custody Present, Chain of Custody Filled Out, Chain of Custody Relinquished, Sampler Name & Signature on COC, Samples Arrived within Hold Time, Short Hold Time Analysis (<72hr), Rush Turn Around Time Requested, Sufficient Volume, Correct Containers Used, Containers Intact, Filtered volume received for Dissolved tests, Sample Labels match COC, All containers needing preservation have been checked, All containers needing preservation are found to be in compliance with EPA recommendation, Headspace in VOA Vials (>6mm), Trip Blank Present, Trip Blank Custody Seals Present, Pace Trip Blank Lot # (if purchased).

Handwritten notes: no collect time 150, 022, no collect time 021, no collect time, 025 no collect date, 032 ID AG 2-12/05, 043 1 of 3 vials no collect date

Client Notification/ Resolution: Person Contacted: Date/Time: If checked, see attached form for additional comments

Comments/ Resolution: 047 1 of 3 vials no collect date, 023 no collect times 10/15/15

Project Manager Review: Date: 10/15/15



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAI 55: Interstate Route 55 at US Route 6 Office Phone Number, if available: _____

Physical Site Location (address, including number and street):

23000 block of Thomas Dillon Drive (ISGS Site No. 693V-5)

City: Channahon State: IL Zip Code: _____

County: Will Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.459428176 Longitude: -88.191635797

(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: _____ BOL: _____ BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

Street Address: 201 West Center Court

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: Schaumburg State: IL

Zip Code: 60196-1096 Phone: 847-705-4101

Zip Code: 60196-1096 Phone: 847-705-4101

Contact: Sam Mead

Contact: Sam Mead

Email, if available: Sam.Mead@illinois.gov

Email, if available: Sam.Mead@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAI 55: Interstate Route 55 at US Route 6

Latitude: 41.459428176 Longitude: -88.191635797

Uncontaminated Site Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

- a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a):

LOCATIONS AL1-1, AL1-2, AL1-4 THROUGH AL1-11, AND AL1-14 WERE SAMPLED ADJACENT TO ISGS SITE No. 693V-5. SEE FIGURES 3-2 THROUGH 3-6 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

- b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

PACE ANALYTICAL REPORT - JOB ID: 40122822, 40122963, AND 40123074. ALSO SEE FIGURES 4-2 THROUGH 4-6 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, William F. Karlovitz, P.E. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Weston Solutions, Inc.

Street Address: 300 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

William F. Karlovitz, P.E.

Printed Name:

William F. Karlovitz
 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

14 Dec. 2015

Date:



P.E. or L.P.G. Seal:

Summary Table of ISGS Site No. 693V-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	AL1-1 (0-5)-101315	AL1-1 (0-5)-101315D	AL1-1 (5-9)-101315	AL1-2 (0-5)-101315	AL1-4 (0-5)-101315	Soil Reference Concentrations ^A
Sample Date	10/13/2015	10/13/2015	10/13/2015	10/13/2015	10/13/2015	
Location ID	AL1-1	AL1-1	AL1-1	AL1-2	AL1-4	
Depth	0 - 5	0 - 5	5 - 9	0 - 5	0 - 5	
Lab Sample ID	40122822025	40122822026	40122822038	40122822039	40122822027	
Location Code	693V-5	693V-5	693V-5	693V-5	693V-5	
Parameter						
Laboratory pH	7.66 J	7.5 J	8.6 J	7.53 J	7.98 J	<6.25, >9.0
VOCs (ug/kg)						
Acetone	ND	ND	ND	ND	ND	25000
Methyl ethyl ketone	ND	ND	ND	ND	ND	---
Toluene	ND	ND	ND	ND	ND	12000
SVOCs (ug/kg)						
Benzo(a)pyrene	ND	ND	ND	ND	29.7 J	90 / 1300 / 2100
Total Metals (mg/kg)						
Arsenic, Total	10.8	9.3	3.2	7.3	7.2	11.3 / 13.0
Barium, Total	70.5	53.2	13.5	58.3	75.3	1500
Beryllium, Total	0.69	0.63	ND	0.62	0.56	22
Cadmium, Total	ND	ND	ND	ND	0.35 J	5.2
Calcium, Total	3300	3230	142000	2090	26900	---
Chromium, Total	21.1	20.5	5.5 J	16.8 J	16.1	21
Cobalt, Total	9.3	9.8	2.1	7.6	6.5	20
Copper, Total	21.9	19.2	6	14.5	14.6	2900
Iron, Total	26700	21200	27100	16700	17100	15000 / 15900
Lead, Total	17.1 J	15 J	4	11.4	42.9 J	107
Magnesium, Total	4440	4450	84400	2210	14500	325000
Manganese, Total	418	431	677	469	613	630 / 636
Mercury, Total	0.026 J	0.051 J	ND	0.021 J	0.032 J	0.89
Nickel, Total	21.8	21.6	6.7 J	14.4 J	13.9	100
Potassium, Total	1510 J	1350 J	689 J	1500 J	1520 J	---
Selenium, Total	0.77 J	0.87 J	ND	ND	0.95 J	1.3
Sodium, Total	1950 J	1970 J	461	2310	1910 J	---
Thallium, Total	1.5 J	1.4 J	0.74 J	1.2 J	1.4 J	2.6
Vanadium, Total	38.9	36	8.5	30	28	550
Zinc, Total	46.7 J	42 J	11.2	39	52 J	5100

Summary Table of ISGS Site No. 693V-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	AL1-1 (0-5)-101315	AL1-1 (0-5)-101315D	AL1-1 (5-9)-101315	AL1-2 (0-5)-101315	AL1-4 (0-5)-101315	Soil Reference Concentrations ^A
Sample Date	10/13/2015	10/13/2015	10/13/2015	10/13/2015	10/13/2015	
Location ID	AL1-1	AL1-1	AL1-1	AL1-2	AL1-4	
Depth	0 - 5	0 - 5	5 - 9	0 - 5	0 - 5	
Lab Sample ID	40122822025	40122822026	40122822038	40122822039	40122822027	
Location Code	693V-5	693V-5	693V-5	693V-5	693V-5	
Parameter						
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	ND	0.31 J	ND	0.91	0.41 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	ND	0.0083 J	0.65
Iron, TCLP	0.19	0.26	ND	2.2	ND	5
Lead, TCLP	ND	ND	0.003 J	0.0059 J	ND	0.0075
Manganese, TCLP	0.16 J	0.29 J	4	0.062	1.9	0.15
Mercury, TCLP	ND	ND	ND	0.00083	ND	0.002
Nickel, TCLP	ND	ND	0.05 J	ND	0.0093 J	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	0.011 J	0.059	0.56	0.041	5
SPLP Metals (mg/l)						
Arsenic, SPLP	0.025	0.026	ND	ND	0.019	0.05
Barium, SPLP	0.28 J	0.29 J	ND	1	0.45 J	2
Beryllium, SPLP	0.0021 J	0.0023 J	ND	ND	0.0019 J	0.004
Cadmium, SPLP	0.00054 J	0.00059 J	ND	ND	0.00072 J	0.005
Chromium, SPLP	0.054	0.062	ND	0.055	0.056	0.1
Cobalt, SPLP	0.016	0.016	ND	ND	0.01	1
Copper, SPLP	0.056	0.066	ND	0.042 J	0.047	0.65
Iron, SPLP	55.3	61.5	ND	49.1	45.6	5
Lead, SPLP	0.032	0.033	ND	0.036	0.07	0.0075
Manganese, SPLP	0.67	0.65	ND	0.72	0.76	0.15
Mercury, SPLP	ND	ND	ND	0.0015	ND	0.002
Nickel, SPLP	0.052	0.057	ND	0.041 J	0.043	0.1
Selenium, SPLP	ND	ND	ND	ND	0.0042 J	0.05
Silver, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.12	0.13	ND	0.66	0.14	5

Summary Table of ISGS Site No. 693V-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	AL1-4 (5-9)-101315	AL1-5 (0-5)-101315	AL1-5 (5-9)-101315	AL1-6 (0-5)-101315	AL1-6 (0-5)-101315D	Soil Reference Concentrations ^A
Sample Date	10/13/2015	10/13/2015	10/13/2015	10/13/2015	10/13/2015	
Location ID	AL1-4	AL1-5	AL1-5	AL1-6	AL1-6	
Depth	5 - 9	0 - 5	5 - 9	0 - 5	0 - 5	
Lab Sample ID	40122822028	40122822029	40122822030	40122822031	40122822032	
Location Code	693V-5	693V-5	693V-5	693V-5	693V-5	
Parameter						
Laboratory pH	8.67 J	8.09 J	8.41 J	8.68 J	8.76 J	<6.25, >9.0
VOCs (ug/kg)						
Acetone	5.1 J	ND	ND	ND	ND	25000
Methyl ethyl ketone	ND	ND	ND	ND	ND	---
Toluene	ND	ND	ND	ND	ND	12000
SVOCs (ug/kg)						
Benzo(a)pyrene	ND	172	ND	185	151	90 / 1300 / 2100
Total Metals (mg/kg)						
Arsenic, Total	1.8	7.5	5.1	3.5 J	6.2 J	11.3 / 13.0
Barium, Total	7.3	69.6	38.5	42.9	56.3	1500
Beryllium, Total	ND	0.52 J	0.29 J	ND	0.45 J	22
Cadmium, Total	ND	0.42 J	ND	0.38 J	0.49 J	5.2
Calcium, Total	197000	32900	115000	99100 J	54800 J	---
Chromium, Total	4.5	15.1	9.7	10.4 J	13 J	21
Cobalt, Total	1.4	5.9	3.7	4.1	5.9	20
Copper, Total	5	16	10.3	14.3	17.8	2900
Iron, Total	5870	15600	11800	9800	13300	15000 / 15900
Lead, Total	1.2 J	34.3 J	7.9 J	67	48.6	107
Magnesium, Total	111000	17800	66200	52600 J	30400 J	325000
Manganese, Total	264	518	599	350	410	630 / 636
Mercury, Total	0.0047 J	0.015 J	0.011 J	0.008 J	0.03 J	0.89
Nickel, Total	3.6	13.6	10.4	8.4 J	13 J	100
Potassium, Total	786 J	1350 J	936 J	742 J	1180 J	---
Selenium, Total	0.6 J	0.68 J	ND	ND	ND	1.3
Sodium, Total	441 J	1720 J	892 J	565 J	951 J	---
Thallium, Total	ND	1.3 J	1.2 J	1.2 J	1.1 J	2.6
Vanadium, Total	5.5	25.5	17.4	13	21.7	550
Zinc, Total	6 J	56.5 J	23.1 J	49	55	5100

Summary Table of ISGS Site No. 693V-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	AL1-4 (5-9)-101315	AL1-5 (0-5)-101315	AL1-5 (5-9)-101315	AL1-6 (0-5)-101315	AL1-6 (0-5)-101315D	Soil Reference Concentrations ^A
Sample Date	10/13/2015	10/13/2015	10/13/2015	10/13/2015	10/13/2015	
Location ID	AL1-4	AL1-5	AL1-5	AL1-6	AL1-6	
Depth	5 - 9	0 - 5	5 - 9	0 - 5	0 - 5	
Lab Sample ID	40122822028	40122822029	40122822030	40122822031	40122822032	
Location Code	693V-5	693V-5	693V-5	693V-5	693V-5	
Parameter						
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	ND	0.38 J	0.31 J	0.47 J	0.32 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	0.003 J	ND	0.0035 J	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	0.024	ND	ND	ND	ND	1
Copper, TCLP	0.011	ND	ND	ND	ND	0.65
Iron, TCLP	2.6	ND	ND	ND	ND	5
Lead, TCLP	ND	0.012	ND	0.016	0.0097	0.0075
Manganese, TCLP	3.1	1.3	1.8	1.3	0.82	0.15
Mercury, TCLP	ND	ND	ND	ND	0.00023	0.002
Nickel, TCLP	0.035	0.0071 J	0.0077 J	ND	ND	0.1
Selenium, TCLP	ND	0.0051 J	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	0.1	0.22	0.015 J	0.13	0.1	5
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	0.013	0.0044 J	ND	ND	0.05
Barium, SPLP	0.0074 J	0.24 J	0.12 J	0.73	0.6	2
Beryllium, SPLP	ND	0.0013 J	0.00058 J	ND	ND	0.004
Cadmium, SPLP	ND	0.0007 J	0.0003 J	ND	ND	0.005
Chromium, SPLP	ND	0.036	0.014	0.037 J	0.025 J	0.1
Cobalt, SPLP	ND	0.0059 J	0.0027 J	ND	ND	1
Copper, SPLP	ND	0.038	0.019	0.056	0.029 J	0.65
Iron, SPLP	0.05 J	31.5	12.6	27.9	18.3	5
Lead, SPLP	ND	0.096	0.0055 J	0.15	0.096	0.0075
Manganese, SPLP	ND	0.29	0.16	0.41	0.27	0.15
Mercury, SPLP	ND	ND	ND	0.00074	0.0004	0.002
Nickel, SPLP	ND	0.026	0.012	0.028 J	ND	0.1
Selenium, SPLP	ND	ND	0.0036 J	ND	ND	0.05
Silver, SPLP	ND	ND	0.0047 J	ND	ND	0.05
Zinc, SPLP	ND	0.15	0.04	0.33	0.26	5

Summary Table of ISGS Site No. 693V-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	AL1-6 (5-9)-101315	AL1-7 (0-4)-101515	AL1-7 (0-4)-101515D	AL1-8 (0-5)-101615	AL1-8 (5-9)-101615	Soil Reference Concentrations ^A
Sample Date	10/13/2015	10/15/2015	10/15/2015	10/16/2015	10/16/2015	
Location ID	AL1-6	AL1-7	AL1-7	AL1-8	AL1-8	
Depth	5 - 9	0 - 4	0 - 4	0 - 5	5 - 9	
Lab Sample ID	40122822033	40122963021	40122963022	40123074008	40123074009	
Location Code	693V-5	693V-5	693V-5	693V-5	693V-5	
Parameter						
Laboratory pH	8.5 J	7.45 J	7.51 J	7.73 J	8.03 J	<6.25, >9.0
VOCs (ug/kg)						
Acetone	ND	ND	ND	ND	5.4 J	25000
Methyl ethyl ketone	ND	ND	ND	ND	ND	---
Toluene	ND	ND	ND	ND	ND	12000
SVOCs (ug/kg)						
Benzo(a)pyrene	ND	ND	ND	ND	ND	90 / 1300 / 2100
Total Metals (mg/kg)						
Arsenic, Total	2.7	6	6	8.8	5.7 J	11.3 / 13.0
Barium, Total	11.4	72.6	67.9	65.1	10.8	1500
Beryllium, Total	ND	0.59	0.48	0.74	ND	22
Cadmium, Total	ND	ND	ND	ND	ND	5.2
Calcium, Total	131000	46800	62900	15100	156000	---
Chromium, Total	3.8 J	17.6	14.8	21	7.8	21
Cobalt, Total	2	9.9	10	10	2.1 J	20
Copper, Total	5.6	25.5	28.2	21.3	9.5	2900
Iron, Total	4690	18700	18900	20700	7680	15000 / 15900
Lead, Total	2.2	12	10	14.1	4.9	107
Magnesium, Total	76800	29200	36500	11100	82600	325000
Manganese, Total	454	584	584	528	496	630 / 636
Mercury, Total	0.0053 J	0.019	0.012	0.014	0.011	0.89
Nickel, Total	6.1 J	24.9	26.3	22.5	6.2	100
Potassium, Total	758 J	2350	2300	2490	1060	---
Selenium, Total	ND	ND	ND	ND	ND	1.3
Sodium, Total	329	478	511	54.3 J	141 J	---
Thallium, Total	0.49 J	ND	ND	ND	ND	2.6
Vanadium, Total	5.5	37	35.7	41.4	10	550
Zinc, Total	7.9	40	40.1	44.6	13.8 J	5100

Summary Table of ISGS Site No. 693V-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	AL1-6 (5-9)-101315	AL1-7 (0-4)-101515	AL1-7 (0-4)-101515D	AL1-8 (0-5)-101615	AL1-8 (5-9)-101615	Soil Reference Concentrations ^A
Sample Date	10/13/2015	10/15/2015	10/15/2015	10/16/2015	10/16/2015	
Location ID	AL1-6	AL1-7	AL1-7	AL1-8	AL1-8	
Depth	5 - 9	0 - 4	0 - 4	0 - 5	5 - 9	
Lab Sample ID	40122822033	40122963021	40122963022	40123074008	40123074009	
Location Code	693V-5	693V-5	693V-5	693V-5	693V-5	
Parameter						
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	ND	0.49 J	0.51	0.38 J	ND	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	0.078 J	0.18	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	1.6	0.34	0.47	0.17	1.2	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	0.0076 J	0.0067 J	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	ND	ND	ND	ND	5
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	0.012	0.0069 J	ND	ND	0.05
Barium, SPLP	ND	0.2 J	0.13 J	1.1	ND	2
Beryllium, SPLP	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	ND	0.036	0.021	ND	ND	0.1
Cobalt, SPLP	ND	0.011	0.006 J	ND	ND	1
Copper, SPLP	ND	0.04	0.022	0.026 J	ND	0.65
Iron, SPLP	ND	37 J	20.8 J	14.7	ND	5
Lead, SPLP	ND	0.018	0.011	0.0068 J	ND	0.0075
Manganese, SPLP	ND	0.51 J	0.27 J	0.15	ND	0.15
Mercury, SPLP	0.00012 J	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	0.038	0.023	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	ND	0.097	0.058	0.37	ND	5

Summary Table of ISGS Site No. 693V-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	AL1-9 (0-4)-101615	AL1-10 (0-4)-101615	AL1-11 (0-4)-101615	AL1-14 (0-6)-101615	AL1-14 (0-6)-101615D	Soil Reference Concentrations ^A
Sample Date	10/16/2015	10/16/2015	10/16/2015	10/16/2015	10/16/2015	
Location ID	AL1-9	AL1-10	AL1-11	AL1-14	AL1-14	
Depth	0 - 4	0 - 4	0 - 4	0 - 6	0 - 6	
Lab Sample ID	40123074007	40123074006	40123074005	40123074001	40123074002	
Location Code	693V-5	693V-5	693V-5	693V-5	693V-5	
Parameter						
Laboratory pH	7.3 J	7.09 J	7.31 J	7.75 J	7.33 J	<6.25, >9.0
VOCs (ug/kg)						
Acetone	ND	ND	ND	ND	ND	25000
Methyl ethyl ketone	ND	ND	ND	ND	ND	---
Toluene	1.7 J	ND	ND	ND	ND	12000
SVOCs (ug/kg)						
Benzo(a)pyrene	ND	ND	ND	ND	ND	90 / 1300 / 2100
Total Metals (mg/kg)						
Arsenic, Total	8.8	12	8	11.8 J	6.9 J	11.3 / 13.0
Barium, Total	44	80.4	53.8	39.9	40.4	1500
Beryllium, Total	0.56	1	0.61	0.68	0.56	22
Cadmium, Total	ND	ND	ND	ND	ND	5.2
Calcium, Total	44600	11500	17100	15900 J	34600 J	---
Chromium, Total	17.3	29.8	17.7	18.7	17.1	21
Cobalt, Total	8.2	11	8.5	8.5	7.3	20
Copper, Total	19	32.2	18.4	27	18.3	2900
Iron, Total	18800	28600	17500	20800	15900	15000 / 15900
Lead, Total	12.4	17.6	14.7	14.8	10.1	107
Magnesium, Total	28400	10100	11900	11400	21800	325000
Manganese, Total	452	552	469	396	333	630 / 636
Mercury, Total	0.015	0.024	0.019	0.016	0.012	0.89
Nickel, Total	18.7	29.9	18.2	22.3	17	100
Potassium, Total	2450	3470	2260	2370	2130	---
Selenium, Total	1.2 J	ND	ND	ND	ND	1.3
Sodium, Total	96.1 J	87.5 J	63.5 J	80.7 J	145	---
Thallium, Total	ND	ND	ND	ND	ND	2.6
Vanadium, Total	38.6	60	33.3	42.2	34	550
Zinc, Total	40.6	59.9	41.3	45.5	34	5100

Summary Table of ISGS Site No. 693V-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	AL1-9 (0-4)-101615	AL1-10 (0-4)-101615	AL1-11 (0-4)-101615	AL1-14 (0-6)-101615	AL1-14 (0-6)-101615D	Soil Reference Concentrations ^A
Sample Date	10/16/2015	10/16/2015	10/16/2015	10/16/2015	10/16/2015	
Location ID	AL1-9	AL1-10	AL1-11	AL1-14	AL1-14	
Depth	0 - 4	0 - 4	0 - 4	0 - 6	0 - 6	
Lab Sample ID	40123074007	40123074006	40123074005	40123074001	40123074002	
Location Code	693V-5	693V-5	693V-5	693V-5	693V-5	
Parameter						
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.27 J	0.37 J	0.39 J	0.26 J	ND	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.48	0.6	0.7	1.4	1.4	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	ND	ND	ND	ND	5
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	ND	ND	ND	ND	0.05
Barium, SPLP	1.2	1.1	1.1	0.68	1	2
Beryllium, SPLP	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	ND	ND	ND	ND	ND	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	1
Copper, SPLP	0.03 J	0.025 J	ND	ND	0.039 J	0.65
Iron, SPLP	25.4	20	15.8	16.1	16.1	5
Lead, SPLP	0.013	0.0099	0.009	0.0099	0.011	0.0075
Manganese, SPLP	0.25	0.18	0.17	0.14	0.14	0.15
Mercury, SPLP	ND	ND	ND	ND	0.00018 J	0.002
Nickel, SPLP	ND	ND	ND	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.53	0.36	0.32	0.13 J	0.26 J	5

Notes:

--- - not applicable or value not available.

^A - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

B - Constituent detected in the blank and investigative sample.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

J+ - Estimated concentration, biased high.

Shaded values indicate concentration **exceeds** Reference Concentration.

November 10, 2015

Patricia Feeley, P.G.
Environmental Design International Inc.
33 West Monroe Street
Suite 1825
Chicago, IL 606035326

RE: Project: 0295.020 FAI 55
Pace Project No.: 40122822

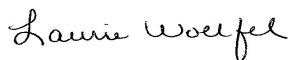
Dear Patricia Feeley, P.G.:

Enclosed are the analytical results for sample(s) received by the laboratory on October 14, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Revised Report REV_1. Added 6010 SPLP Mn to sample 40122822001.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Laurie Woelfel
laurie.woelfel@pacelabs.com
Project Manager

Enclosures

cc: Andrew Dorn, Environmental Design
Colin Pannier, Environmental Design



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Alabama Certification #40770

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

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Guam Certification #:14-008r

Georgia Certification #: 959

Georgia EPD #: Pace

Idaho Certification #: MN00064

Hawaii Certification #MN00064

Illinois Certification #: 200011

Indiana Certification#C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky Dept of Envi. Protection - DW #90062

Kentucky Dept of Envi. Protection - WW #:90062

Louisiana DEQ Certification #: 3086

Louisiana DHH #: LA140001

Maine Certification #: 2013011

Maryland Certification #: 322

Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New York Certification #: 11647

North Carolina Certification #: 530

North Carolina State Public Health #: 27700

North Dakota Certification #: R-036

Ohio EPA #: 4150

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Oregon Certification #: MN300001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Saipan (CNMI) #:MP0003

South Carolina #:74003001

Texas Certification #: T104704192

Tennessee Certification #: 02818

Utah Certification #: MN000642013-4

Virginia DGS Certification #: 251

Washington Certification #: C486

West Virginia Certification #: 382

West Virginia DHHR #:9952C

Wisconsin Certification #: 999407970

New Orleans Certification IDs

California Env. Lab Accreditation Program Branch:

11277CA

Florida Department of Health (NELAC): E87595

Illinois Environmental Protection Agency: 0025721

Kansas Department of Health and Environment (NELAC):

E-10266

Louisiana Dept. of Environmental Quality (NELAC/LELAP):

02006

Pennsylvania Dept. of Env Protection (NELAC): 68-04202

Texas Commission on Env. Quality (NELAC):

T104704405-09-TX

U.S. Dept. of Agriculture Foreign Soil Import: P330-10-

00119

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP ID: 460263

Virginia VELAP Certification ID: 460263

Wisconsin Certification #: 405132750

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 200074

Indiana Certification #: C-49-06

Kansas Certification #E-10177

Kentucky UST Certification #: 0042

Kentucky WW Certification #:98019

Louisiana Certification #: 04076

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2014-148

Texas Certification #: T104704355-15-9

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-10-00128

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 15-016-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-1 (0-5)-101315 Lab ID: 40122822025 Collected: 10/13/15 11:40 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.58	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:21	7440-36-0	
Arsenic	10.8	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:21	7440-38-2	
Barium	70.5	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:21	7440-39-3	
Beryllium	0.69	mg/kg	0.58	0.29	1	10/16/15 11:38	10/19/15 08:21	7440-41-7	
Cadmium	<0.29	mg/kg	0.58	0.29	1	10/16/15 11:38	10/19/15 08:21	7440-43-9	
Calcium	3300	mg/kg	58.0	29.0	1	10/16/15 11:38	10/19/15 08:21	7440-70-2	
Chromium	21.1	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:21	7440-47-3	
Cobalt	9.3	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:21	7440-48-4	
Copper	21.9	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:21	7440-50-8	
Iron	26700	mg/kg	290	145	5	10/16/15 11:38	10/19/15 09:09	7439-89-6	
Lead	17.1	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:21	7439-92-1	
Magnesium	4440	mg/kg	58.0	29.0	1	10/16/15 11:38	10/19/15 08:21	7439-95-4	
Manganese	418	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:21	7439-96-5	
Nickel	21.8	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:21	7440-02-0	
Potassium	1510	mg/kg	58.0	29.0	1	10/16/15 11:38	10/19/15 08:21	7440-09-7	
Selenium	0.77J	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:21	7782-49-2	
Silver	<0.29	mg/kg	0.58	0.29	1	10/16/15 11:38	10/19/15 08:21	7440-22-4	
Sodium	1950	mg/kg	58.0	29.0	1	10/16/15 11:38	10/19/15 08:21	7440-23-5	
Thallium	1.5	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:21	7440-28-0	
Vanadium	38.9	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:21	7440-62-2	
Zinc	46.7	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:21	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Arsenic	0.025	mg/L	0.010	0.0029	1	10/21/15 06:57	10/25/15 11:51	7440-38-2	
Barium	0.28J	mg/L	0.50	0.0033	1	10/21/15 06:57	10/25/15 11:51	7440-39-3	
Beryllium	0.0021J	mg/L	0.0040	0.00031	1	10/21/15 06:57	10/25/15 11:51	7440-41-7	
Cadmium	0.00054J	mg/L	0.0050	0.00021	1	10/21/15 06:57	10/25/15 11:51	7440-43-9	
Chromium	0.054	mg/L	0.010	0.0025	1	10/21/15 06:57	10/25/15 11:51	7440-47-3	
Cobalt	0.016	mg/L	0.010	0.00053	1	10/21/15 06:57	10/25/15 11:51	7440-48-4	
Copper	0.056	mg/L	0.010	0.0040	1	10/21/15 06:57	10/25/15 11:51	7440-50-8	
Iron	55.3	mg/L	0.10	0.016	1	10/21/15 06:57	10/25/15 11:51	7439-89-6	
Lead	0.032	mg/L	0.010	0.0029	1	10/21/15 06:57	10/25/15 11:51	7439-92-1	
Manganese	0.67	mg/L	0.010	0.0010	1	10/21/15 06:57	10/25/15 11:51	7439-96-5	
Nickel	0.052	mg/L	0.010	0.00074	1	10/21/15 06:57	10/25/15 11:51	7440-02-0	
Selenium	<0.0033	mg/L	0.010	0.0033	1	10/21/15 06:57	10/25/15 11:51	7782-49-2	
Silver	<0.0033	mg/L	0.010	0.0033	1	10/21/15 06:57	10/25/15 11:51	7440-22-4	
Zinc	0.12	mg/L	0.020	0.0030	1	10/21/15 06:57	10/25/15 11:51	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/15/15 15:40

Arsenic	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:36	7440-38-2	
Barium	<0.25	mg/L	0.50	0.25	1	10/16/15 15:49	10/27/15 10:36	7440-39-3	
Beryllium	<0.0020	mg/L	0.0040	0.0020	1	10/16/15 15:49	10/27/15 10:36	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/16/15 15:49	10/27/15 10:36	7440-43-9	
Chromium	<0.0052	mg/L	0.010	0.0052	1	10/16/15 15:49	10/27/15 10:36	7440-47-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-1 (0-5)-101315 Lab ID: 40122822025 Collected: 10/13/15 11:40 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/15/15 15:40									
Cobalt	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:36	7440-48-4	
Copper	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:36	7440-50-8	
Iron	0.19	mg/L	0.10	0.050	1	10/16/15 15:49	10/27/15 10:36	7439-89-6	
Lead	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:36	7439-92-1	
Manganese	0.16	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:36	7439-96-5	
Nickel	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:36	7440-02-0	
Selenium	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:36	7782-49-2	
Silver	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:36	7440-22-4	
Zinc	<0.010	mg/L	0.020	0.010	1	10/16/15 15:49	10/27/15 10:36	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.33	ug/L	0.67	0.33	1	10/20/15 19:24	10/21/15 11:54	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/15/15 15:40									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/20/15 19:25	10/21/15 13:47	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.026J	mg/kg	0.23	0.0046	1	10/16/15 20:04	10/16/15 22:40	7439-97-6	CU
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<70.7	ug/kg	236	70.7	1	10/16/15 12:33	10/19/15 14:39	83-32-9	
Acenaphthylene	<71.1	ug/kg	237	71.1	1	10/16/15 12:33	10/19/15 14:39	208-96-8	
Anthracene	<31.9	ug/kg	106	31.9	1	10/16/15 12:33	10/19/15 14:39	120-12-7	
Benzo(a)anthracene	<30.9	ug/kg	103	30.9	1	10/16/15 12:33	10/19/15 14:39	56-55-3	
Benzo(a)pyrene	<30.0	ug/kg	100	30.0	1	10/16/15 12:33	10/19/15 14:39	50-32-8	
Benzo(b)fluoranthene	<34.2	ug/kg	114	34.2	1	10/16/15 12:33	10/19/15 14:39	205-99-2	
Benzo(g,h,i)perylene	<52.1	ug/kg	174	52.1	1	10/16/15 12:33	10/19/15 14:39	191-24-2	
Benzo(k)fluoranthene	<47.7	ug/kg	159	47.7	1	10/16/15 12:33	10/19/15 14:39	207-08-9	
4-Bromophenylphenyl ether	<41.7	ug/kg	139	41.7	1	10/16/15 12:33	10/19/15 14:39	101-55-3	
Butylbenzylphthalate	<32.0	ug/kg	107	32.0	1	10/16/15 12:33	10/19/15 14:39	85-68-7	
Carbazole	<31.2	ug/kg	104	31.2	1	10/16/15 12:33	10/19/15 14:39	86-74-8	
4-Chloro-3-methylphenol	<62.0	ug/kg	207	62.0	1	10/16/15 12:33	10/19/15 14:39	59-50-7	
4-Chloroaniline	<32.8	ug/kg	109	32.8	1	10/16/15 12:33	10/19/15 14:39	106-47-8	
bis(2-Chloroethoxy)methane	<53.7	ug/kg	179	53.7	1	10/16/15 12:33	10/19/15 14:39	111-91-1	
bis(2-Chloroethyl) ether	<62.2	ug/kg	207	62.2	1	10/16/15 12:33	10/19/15 14:39	111-44-4	
2-Chloronaphthalene	<25.6	ug/kg	85.3	25.6	1	10/16/15 12:33	10/19/15 14:39	91-58-7	
2-Chlorophenol	<49.7	ug/kg	166	49.7	1	10/16/15 12:33	10/19/15 14:39	95-57-8	
4-Chlorophenylphenyl ether	<37.1	ug/kg	124	37.1	1	10/16/15 12:33	10/19/15 14:39	7005-72-3	
Chrysene	<29.8	ug/kg	99.3	29.8	1	10/16/15 12:33	10/19/15 14:39	218-01-9	
Dibenz(a,h)anthracene	<54.1	ug/kg	180	54.1	1	10/16/15 12:33	10/19/15 14:39	53-70-3	
Dibenzofuran	<24.1	ug/kg	80.4	24.1	1	10/16/15 12:33	10/19/15 14:39	132-64-9	
1,2-Dichlorobenzene	<62.7	ug/kg	209	62.7	1	10/16/15 12:33	10/19/15 14:39	95-50-1	
1,3-Dichlorobenzene	<27.6	ug/kg	92.0	27.6	1	10/16/15 12:33	10/19/15 14:39	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-1 (0-5)-101315 **Lab ID: 40122822025** Collected: 10/13/15 11:40 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,4-Dichlorobenzene	<27.8	ug/kg	92.5	27.8	1	10/16/15 12:33	10/19/15 14:39	106-46-7	
3,3'-Dichlorobenzidine	<54.1	ug/kg	180	54.1	1	10/16/15 12:33	10/19/15 14:39	91-94-1	
2,4-Dichlorophenol	<53.3	ug/kg	178	53.3	1	10/16/15 12:33	10/19/15 14:39	120-83-2	
Diethylphthalate	<33.0	ug/kg	110	33.0	1	10/16/15 12:33	10/19/15 14:39	84-66-2	
2,4-Dimethylphenol	<39.4	ug/kg	131	39.4	1	10/16/15 12:33	10/19/15 14:39	105-67-9	
Dimethylphthalate	<25.9	ug/kg	86.4	25.9	1	10/16/15 12:33	10/19/15 14:39	131-11-3	
Di-n-butylphthalate	<29.8	ug/kg	99.3	29.8	1	10/16/15 12:33	10/19/15 14:39	84-74-2	
4,6-Dinitro-2-methylphenol	<61.4	ug/kg	205	61.4	1	10/16/15 12:33	10/19/15 14:39	534-52-1	
2,4-Dinitrophenol	<60.7	ug/kg	202	60.7	1	10/16/15 12:33	10/19/15 14:39	51-28-5	
2,4-Dinitrotoluene	<28.5	ug/kg	95.0	28.5	1	10/16/15 12:33	10/19/15 14:39	121-14-2	
2,6-Dinitrotoluene	<37.8	ug/kg	126	37.8	1	10/16/15 12:33	10/19/15 14:39	606-20-2	
Di-n-octylphthalate	<44.8	ug/kg	149	44.8	1	10/16/15 12:33	10/19/15 14:39	117-84-0	
bis(2-Ethylhexyl)phthalate	<33.1	ug/kg	110	33.1	1	10/16/15 12:33	10/19/15 14:39	117-81-7	
Fluoranthene	31.2J	ug/kg	94.0	28.2	1	10/16/15 12:33	10/19/15 14:39	206-44-0	
Fluorene	<23.3	ug/kg	77.6	23.3	1	10/16/15 12:33	10/19/15 14:39	86-73-7	
Hexachloro-1,3-butadiene	<50.8	ug/kg	169	50.8	1	10/16/15 12:33	10/19/15 14:39	87-68-3	
Hexachlorobenzene	<33.5	ug/kg	112	33.5	1	10/16/15 12:33	10/19/15 14:39	118-74-1	
Hexachlorocyclopentadiene	<47.2	ug/kg	157	47.2	1	10/16/15 12:33	10/19/15 14:39	77-47-4	
Hexachloroethane	<31.9	ug/kg	106	31.9	1	10/16/15 12:33	10/19/15 14:39	67-72-1	
Indeno(1,2,3-cd)pyrene	<43.1	ug/kg	144	43.1	1	10/16/15 12:33	10/19/15 14:39	193-39-5	
Isophorone	<30.6	ug/kg	102	30.6	1	10/16/15 12:33	10/19/15 14:39	78-59-1	
2-Methylnaphthalene	<51.7	ug/kg	172	51.7	1	10/16/15 12:33	10/19/15 14:39	91-57-6	
2-Methylphenol(o-Cresol)	<36.2	ug/kg	121	36.2	1	10/16/15 12:33	10/19/15 14:39	95-48-7	
3&4-Methylphenol(m&p Cresol)	<36.5	ug/kg	122	36.5	1	10/16/15 12:33	10/19/15 14:39		
Naphthalene	<69.7	ug/kg	232	69.7	1	10/16/15 12:33	10/19/15 14:39	91-20-3	
2-Nitroaniline	<56.8	ug/kg	189	56.8	1	10/16/15 12:33	10/19/15 14:39	88-74-4	
3-Nitroaniline	<33.9	ug/kg	113	33.9	1	10/16/15 12:33	10/19/15 14:39	99-09-2	
4-Nitroaniline	<82.7	ug/kg	276	82.7	1	10/16/15 12:33	10/19/15 14:39	100-01-6	
Nitrobenzene	<40.4	ug/kg	135	40.4	1	10/16/15 12:33	10/19/15 14:39	98-95-3	
2-Nitrophenol	<62.9	ug/kg	210	62.9	1	10/16/15 12:33	10/19/15 14:39	88-75-5	
4-Nitrophenol	<50.2	ug/kg	167	50.2	1	10/16/15 12:33	10/19/15 14:39	100-02-7	
N-Nitroso-di-n-propylamine	<31.6	ug/kg	105	31.6	1	10/16/15 12:33	10/19/15 14:39	621-64-7	
N-Nitrosodiphenylamine	<270	ug/kg	901	270	1	10/16/15 12:33	10/19/15 14:39	86-30-6	
2,2'-Oxybis(1-chloropropane)	<51.4	ug/kg	171	51.4	1	10/16/15 12:33	10/19/15 14:39	108-60-1	
Pentachlorophenol	<43.9	ug/kg	146	43.9	1	10/16/15 12:33	10/19/15 14:39	87-86-5	
Phenanthrene	<25.6	ug/kg	85.2	25.6	1	10/16/15 12:33	10/19/15 14:39	85-01-8	
Phenol	<47.3	ug/kg	158	47.3	1	10/16/15 12:33	10/19/15 14:39	108-95-2	
Pyrene	<44.2	ug/kg	147	44.2	1	10/16/15 12:33	10/19/15 14:39	129-00-0	
1,2,4-Trichlorobenzene	<22.5	ug/kg	75.1	22.5	1	10/16/15 12:33	10/19/15 14:39	120-82-1	
2,4,5-Trichlorophenol	<35.2	ug/kg	117	35.2	1	10/16/15 12:33	10/19/15 14:39	95-95-4	
2,4,6-Trichlorophenol	<30.4	ug/kg	101	30.4	1	10/16/15 12:33	10/19/15 14:39	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	77	%	45-130		1	10/16/15 12:33	10/19/15 14:39	4165-60-0	
2-Fluorobiphenyl (S)	71	%	51-130		1	10/16/15 12:33	10/19/15 14:39	321-60-8	
Terphenyl-d14 (S)	69	%	37-134		1	10/16/15 12:33	10/19/15 14:39	1718-51-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-1 (0-5)-101315 **Lab ID: 40122822025** Collected: 10/13/15 11:40 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Phenol-d6 (S)	72	%	36-130		1	10/16/15 12:33	10/19/15 14:39	13127-88-3	
2-Fluorophenol (S)	76	%	37-130		1	10/16/15 12:33	10/19/15 14:39	367-12-4	
2,4,6-Tribromophenol (S)	73	%	30-130		1	10/16/15 12:33	10/19/15 14:39	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.1	ug/kg	13.2	4.1	1	10/16/15 12:00	10/16/15 09:26	67-64-1	2q
Benzene	<1.1	ug/kg	3.3	1.1	1	10/16/15 12:00	10/16/15 09:26	71-43-2	
Bromodichloromethane	<0.72	ug/kg	3.3	0.72	1	10/16/15 12:00	10/16/15 09:26	75-27-4	
Bromoform	<0.56	ug/kg	3.3	0.56	1	10/16/15 12:00	10/16/15 09:26	75-25-2	
Bromomethane	<0.99	ug/kg	6.6	0.99	1	10/16/15 12:00	10/16/15 09:26	74-83-9	
2-Butanone (MEK)	<1.9	ug/kg	13.2	1.9	1	10/16/15 12:00	10/16/15 09:26	78-93-3	
Carbon disulfide	<0.85	ug/kg	3.3	0.85	1	10/16/15 12:00	10/16/15 09:26	75-15-0	
Carbon tetrachloride	<1.0	ug/kg	3.3	1.0	1	10/16/15 12:00	10/16/15 09:26	56-23-5	
Chlorobenzene	<1.0	ug/kg	3.3	1.0	1	10/16/15 12:00	10/16/15 09:26	108-90-7	
Chloroethane	<1.3	ug/kg	3.3	1.3	1	10/16/15 12:00	10/16/15 09:26	75-00-3	
Chloroform	<0.62	ug/kg	3.3	0.62	1	10/16/15 12:00	10/16/15 09:26	67-66-3	
Chloromethane	<0.37	ug/kg	3.3	0.37	1	10/16/15 12:00	10/16/15 09:26	74-87-3	
Dibromochloromethane	<1.1	ug/kg	3.3	1.1	1	10/16/15 12:00	10/16/15 09:26	124-48-1	
1,1-Dichloroethane	<1.6	ug/kg	3.3	1.6	1	10/16/15 12:00	10/16/15 09:26	75-34-3	
1,2-Dichloroethane	<0.65	ug/kg	3.3	0.65	1	10/16/15 12:00	10/16/15 09:26	107-06-2	
1,1-Dichloroethene	<1.5	ug/kg	3.3	1.5	1	10/16/15 12:00	10/16/15 09:26	75-35-4	
cis-1,2-Dichloroethene	<0.87	ug/kg	3.3	0.87	1	10/16/15 12:00	10/16/15 09:26	156-59-2	
trans-1,2-Dichloroethene	<0.82	ug/kg	3.3	0.82	1	10/16/15 12:00	10/16/15 09:26	156-60-5	
1,2-Dichloropropane	<0.83	ug/kg	3.3	0.83	1	10/16/15 12:00	10/16/15 09:26	78-87-5	
cis-1,3-Dichloropropene	<0.44	ug/kg	3.3	0.44	1	10/16/15 12:00	10/16/15 09:26	10061-01-5	
trans-1,3-Dichloropropene	<0.61	ug/kg	3.3	0.61	1	10/16/15 12:00	10/16/15 09:26	10061-02-6	
Ethylbenzene	<0.95	ug/kg	3.3	0.95	1	10/16/15 12:00	10/16/15 09:26	100-41-4	
2-Hexanone	<0.98	ug/kg	3.3	0.98	1	10/16/15 12:00	10/16/15 09:26	591-78-6	
Methylene Chloride	<1.2	ug/kg	3.3	1.2	1	10/16/15 12:00	10/16/15 09:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.81	ug/kg	3.3	0.81	1	10/16/15 12:00	10/16/15 09:26	108-10-1	
Methyl-tert-butyl ether	<0.66	ug/kg	3.3	0.66	1	10/16/15 12:00	10/16/15 09:26	1634-04-4	
Styrene	<0.50	ug/kg	3.3	0.50	1	10/16/15 12:00	10/16/15 09:26	100-42-5	
1,1,2,2-Tetrachloroethane	<1.4	ug/kg	3.3	1.4	1	10/16/15 12:00	10/16/15 09:26	79-34-5	
Tetrachloroethene	<1.0	ug/kg	3.3	1.0	1	10/16/15 12:00	10/16/15 09:26	127-18-4	
Toluene	<0.98	ug/kg	3.3	0.98	1	10/16/15 12:00	10/16/15 09:26	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/kg	3.3	1.0	1	10/16/15 12:00	10/16/15 09:26	71-55-6	
1,1,2-Trichloroethane	<1.3	ug/kg	3.3	1.3	1	10/16/15 12:00	10/16/15 09:26	79-00-5	
Trichloroethene	<1.3	ug/kg	3.3	1.3	1	10/16/15 12:00	10/16/15 09:26	79-01-6	
Vinyl chloride	<0.36	ug/kg	3.3	0.36	1	10/16/15 12:00	10/16/15 09:26	75-01-4	
Xylene (Total)	<3.0	ug/kg	9.9	3.0	1	10/16/15 12:00	10/16/15 09:26	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	103	%	70-130		1	10/16/15 12:00	10/16/15 09:26	1868-53-7	
Toluene-d8 (S)	102	%	67-138		1	10/16/15 12:00	10/16/15 09:26	2037-26-5	
4-Bromofluorobenzene (S)	94	%	68-130		1	10/16/15 12:00	10/16/15 09:26	460-00-4	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-1 (0-5)-101315 **Lab ID: 40122822025** Collected: 10/13/15 11:40 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	16.2	%	0.10	0.10	1		10/14/15 19:35		
9045 pH Soil									
Analytical Method: EPA 9045									
pH at 25 Degrees C	7.66	Std. Units	0.100	0.0100	1		10/15/15 19:15		H6

Revised 11/05/15 16:39

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-1 (0-5)-101315D Lab ID: 40122822026 Collected: 10/13/15 11:40 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.55	mg/kg	1.1	0.55	1	10/16/15 11:38	10/19/15 08:23	7440-36-0	
Arsenic	9.3	mg/kg	1.1	0.55	1	10/16/15 11:38	10/19/15 08:23	7440-38-2	
Barium	53.2	mg/kg	1.1	0.55	1	10/16/15 11:38	10/19/15 08:23	7440-39-3	
Beryllium	0.63	mg/kg	0.55	0.28	1	10/16/15 11:38	10/19/15 08:23	7440-41-7	
Cadmium	<0.28	mg/kg	0.55	0.28	1	10/16/15 11:38	10/19/15 08:23	7440-43-9	
Calcium	3230	mg/kg	55.5	27.7	1	10/16/15 11:38	10/19/15 08:23	7440-70-2	
Chromium	20.5	mg/kg	1.1	0.55	1	10/16/15 11:38	10/19/15 08:23	7440-47-3	
Cobalt	9.8	mg/kg	1.1	0.55	1	10/16/15 11:38	10/19/15 08:23	7440-48-4	
Copper	19.2	mg/kg	1.1	0.55	1	10/16/15 11:38	10/19/15 08:23	7440-50-8	
Iron	21200	mg/kg	55.5	27.7	1	10/16/15 11:38	10/19/15 08:23	7439-89-6	
Lead	15.0	mg/kg	1.1	0.55	1	10/16/15 11:38	10/19/15 08:23	7439-92-1	
Magnesium	4450	mg/kg	55.5	27.7	1	10/16/15 11:38	10/19/15 08:23	7439-95-4	
Manganese	431	mg/kg	1.1	0.55	1	10/16/15 11:38	10/19/15 08:23	7439-96-5	
Nickel	21.6	mg/kg	1.1	0.55	1	10/16/15 11:38	10/19/15 08:23	7440-02-0	
Potassium	1350	mg/kg	55.5	27.7	1	10/16/15 11:38	10/19/15 08:23	7440-09-7	
Selenium	0.87J	mg/kg	1.1	0.55	1	10/16/15 11:38	10/19/15 08:23	7782-49-2	
Silver	<0.28	mg/kg	0.55	0.28	1	10/16/15 11:38	10/19/15 08:23	7440-22-4	
Sodium	1970	mg/kg	55.5	27.7	1	10/16/15 11:38	10/19/15 08:23	7440-23-5	
Thallium	1.4	mg/kg	1.1	0.55	1	10/16/15 11:38	10/19/15 08:23	7440-28-0	
Vanadium	36.0	mg/kg	1.1	0.55	1	10/16/15 11:38	10/19/15 08:23	7440-62-2	
Zinc	42.0	mg/kg	1.1	0.55	1	10/16/15 11:38	10/19/15 08:23	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Arsenic	0.026	mg/L	0.010	0.0029	1	10/21/15 06:57	10/25/15 11:53	7440-38-2	
Barium	0.29J	mg/L	0.50	0.0033	1	10/21/15 06:57	10/25/15 11:53	7440-39-3	
Beryllium	0.0023J	mg/L	0.0040	0.00031	1	10/21/15 06:57	10/25/15 11:53	7440-41-7	
Cadmium	0.00059J	mg/L	0.0050	0.00021	1	10/21/15 06:57	10/25/15 11:53	7440-43-9	
Chromium	0.062	mg/L	0.010	0.0025	1	10/21/15 06:57	10/25/15 11:53	7440-47-3	
Cobalt	0.016	mg/L	0.010	0.00053	1	10/21/15 06:57	10/25/15 11:53	7440-48-4	
Copper	0.066	mg/L	0.010	0.0040	1	10/21/15 06:57	10/25/15 11:53	7440-50-8	
Iron	61.5	mg/L	0.10	0.016	1	10/21/15 06:57	10/25/15 11:53	7439-89-6	
Lead	0.033	mg/L	0.010	0.0029	1	10/21/15 06:57	10/25/15 11:53	7439-92-1	
Manganese	0.65	mg/L	0.010	0.0010	1	10/21/15 06:57	10/25/15 11:53	7439-96-5	
Nickel	0.057	mg/L	0.010	0.00074	1	10/21/15 06:57	10/25/15 11:53	7440-02-0	
Selenium	<0.0033	mg/L	0.010	0.0033	1	10/21/15 06:57	10/25/15 11:53	7782-49-2	
Silver	<0.0033	mg/L	0.010	0.0033	1	10/21/15 06:57	10/25/15 11:53	7440-22-4	
Zinc	0.13	mg/L	0.020	0.0030	1	10/21/15 06:57	10/25/15 11:53	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/15/15 15:40

Arsenic	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:38	7440-38-2	
Barium	0.31J	mg/L	0.50	0.25	1	10/16/15 15:49	10/27/15 10:38	7440-39-3	
Beryllium	<0.0020	mg/L	0.0040	0.0020	1	10/16/15 15:49	10/27/15 10:38	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/16/15 15:49	10/27/15 10:38	7440-43-9	
Chromium	<0.0052	mg/L	0.010	0.0052	1	10/16/15 15:49	10/27/15 10:38	7440-47-3	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-1 (0-5)-101315D Lab ID: 40122822026 Collected: 10/13/15 11:40 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/15/15 15:40									
Cobalt	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:38	7440-48-4	
Copper	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:38	7440-50-8	
Iron	0.26	mg/L	0.10	0.050	1	10/16/15 15:49	10/27/15 10:38	7439-89-6	
Lead	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:38	7439-92-1	
Manganese	0.29	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:38	7439-96-5	
Nickel	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:38	7440-02-0	
Selenium	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:38	7782-49-2	
Silver	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:38	7440-22-4	
Zinc	0.011J	mg/L	0.020	0.010	1	10/16/15 15:49	10/27/15 10:38	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.33	ug/L	0.67	0.33	1	10/20/15 19:24	10/21/15 11:56	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/15/15 15:40									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/20/15 19:25	10/21/15 13:49	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.051J	mg/kg	0.25	0.0050	1	10/16/15 20:04	10/16/15 22:42	7439-97-6	CU
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<71.3	ug/kg	238	71.3	1	10/16/15 12:33	10/19/15 14:18	83-32-9	
Acenaphthylene	<71.7	ug/kg	239	71.7	1	10/16/15 12:33	10/19/15 14:18	208-96-8	
Anthracene	<32.1	ug/kg	107	32.1	1	10/16/15 12:33	10/19/15 14:18	120-12-7	
Benzo(a)anthracene	<31.1	ug/kg	104	31.1	1	10/16/15 12:33	10/19/15 14:18	56-55-3	
Benzo(a)pyrene	<30.3	ug/kg	101	30.3	1	10/16/15 12:33	10/19/15 14:18	50-32-8	
Benzo(b)fluoranthene	<34.5	ug/kg	115	34.5	1	10/16/15 12:33	10/19/15 14:18	205-99-2	
Benzo(g,h,i)perylene	<52.6	ug/kg	175	52.6	1	10/16/15 12:33	10/19/15 14:18	191-24-2	
Benzo(k)fluoranthene	<48.1	ug/kg	160	48.1	1	10/16/15 12:33	10/19/15 14:18	207-08-9	
4-Bromophenylphenyl ether	<42.1	ug/kg	140	42.1	1	10/16/15 12:33	10/19/15 14:18	101-55-3	
Butylbenzylphthalate	<32.2	ug/kg	107	32.2	1	10/16/15 12:33	10/19/15 14:18	85-68-7	
Carbazole	<31.5	ug/kg	105	31.5	1	10/16/15 12:33	10/19/15 14:18	86-74-8	
4-Chloro-3-methylphenol	<62.6	ug/kg	209	62.6	1	10/16/15 12:33	10/19/15 14:18	59-50-7	
4-Chloroaniline	<33.0	ug/kg	110	33.0	1	10/16/15 12:33	10/19/15 14:18	106-47-8	
bis(2-Chloroethoxy)methane	<54.2	ug/kg	181	54.2	1	10/16/15 12:33	10/19/15 14:18	111-91-1	
bis(2-Chloroethyl) ether	<62.8	ug/kg	209	62.8	1	10/16/15 12:33	10/19/15 14:18	111-44-4	
2-Chloronaphthalene	<25.8	ug/kg	86.1	25.8	1	10/16/15 12:33	10/19/15 14:18	91-58-7	
2-Chlorophenol	<50.2	ug/kg	167	50.2	1	10/16/15 12:33	10/19/15 14:18	95-57-8	
4-Chlorophenylphenyl ether	<37.5	ug/kg	125	37.5	1	10/16/15 12:33	10/19/15 14:18	7005-72-3	
Chrysene	<30.1	ug/kg	100	30.1	1	10/16/15 12:33	10/19/15 14:18	218-01-9	
Dibenz(a,h)anthracene	<54.6	ug/kg	182	54.6	1	10/16/15 12:33	10/19/15 14:18	53-70-3	
Dibenzofuran	<24.3	ug/kg	81.1	24.3	1	10/16/15 12:33	10/19/15 14:18	132-64-9	
1,2-Dichlorobenzene	<63.2	ug/kg	211	63.2	1	10/16/15 12:33	10/19/15 14:18	95-50-1	
1,3-Dichlorobenzene	<27.8	ug/kg	92.8	27.8	1	10/16/15 12:33	10/19/15 14:18	541-73-1	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-1 (0-5)-101315D Lab ID: 40122822026 Collected: 10/13/15 11:40 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,4-Dichlorobenzene	<28.0	ug/kg	93.4	28.0	1	10/16/15 12:33	10/19/15 14:18	106-46-7	
3,3'-Dichlorobenzidine	<54.6	ug/kg	182	54.6	1	10/16/15 12:33	10/19/15 14:18	91-94-1	
2,4-Dichlorophenol	<53.7	ug/kg	179	53.7	1	10/16/15 12:33	10/19/15 14:18	120-83-2	
Diethylphthalate	<33.3	ug/kg	111	33.3	1	10/16/15 12:33	10/19/15 14:18	84-66-2	
2,4-Dimethylphenol	<39.8	ug/kg	133	39.8	1	10/16/15 12:33	10/19/15 14:18	105-67-9	
Dimethylphthalate	<26.2	ug/kg	87.2	26.2	1	10/16/15 12:33	10/19/15 14:18	131-11-3	
Di-n-butylphthalate	<30.1	ug/kg	100	30.1	1	10/16/15 12:33	10/19/15 14:18	84-74-2	
4,6-Dinitro-2-methylphenol	<62.0	ug/kg	207	62.0	1	10/16/15 12:33	10/19/15 14:18	534-52-1	
2,4-Dinitrophenol	<61.3	ug/kg	204	61.3	1	10/16/15 12:33	10/19/15 14:18	51-28-5	
2,4-Dinitrotoluene	<28.8	ug/kg	95.9	28.8	1	10/16/15 12:33	10/19/15 14:18	121-14-2	
2,6-Dinitrotoluene	<38.2	ug/kg	127	38.2	1	10/16/15 12:33	10/19/15 14:18	606-20-2	
Di-n-octylphthalate	<45.2	ug/kg	151	45.2	1	10/16/15 12:33	10/19/15 14:18	117-84-0	
bis(2-Ethylhexyl)phthalate	<33.4	ug/kg	111	33.4	1	10/16/15 12:33	10/19/15 14:18	117-81-7	
Fluoranthene	<28.5	ug/kg	94.8	28.5	1	10/16/15 12:33	10/19/15 14:18	206-44-0	
Fluorene	<23.5	ug/kg	78.3	23.5	1	10/16/15 12:33	10/19/15 14:18	86-73-7	
Hexachloro-1,3-butadiene	<51.2	ug/kg	171	51.2	1	10/16/15 12:33	10/19/15 14:18	87-68-3	
Hexachlorobenzene	<33.8	ug/kg	113	33.8	1	10/16/15 12:33	10/19/15 14:18	118-74-1	
Hexachlorocyclopentadiene	<47.6	ug/kg	159	47.6	1	10/16/15 12:33	10/19/15 14:18	77-47-4	
Hexachloroethane	<32.2	ug/kg	107	32.2	1	10/16/15 12:33	10/19/15 14:18	67-72-1	
Indeno(1,2,3-cd)pyrene	<43.5	ug/kg	145	43.5	1	10/16/15 12:33	10/19/15 14:18	193-39-5	
Isophorone	<30.9	ug/kg	103	30.9	1	10/16/15 12:33	10/19/15 14:18	78-59-1	
2-Methylnaphthalene	<52.2	ug/kg	174	52.2	1	10/16/15 12:33	10/19/15 14:18	91-57-6	
2-Methylphenol(o-Cresol)	<36.5	ug/kg	122	36.5	1	10/16/15 12:33	10/19/15 14:18	95-48-7	
3&4-Methylphenol(m&p Cresol)	<36.8	ug/kg	123	36.8	1	10/16/15 12:33	10/19/15 14:18		
Naphthalene	<70.3	ug/kg	234	70.3	1	10/16/15 12:33	10/19/15 14:18	91-20-3	
2-Nitroaniline	<57.3	ug/kg	191	57.3	1	10/16/15 12:33	10/19/15 14:18	88-74-4	
3-Nitroaniline	<34.2	ug/kg	114	34.2	1	10/16/15 12:33	10/19/15 14:18	99-09-2	
4-Nitroaniline	<83.5	ug/kg	278	83.5	1	10/16/15 12:33	10/19/15 14:18	100-01-6	
Nitrobenzene	<40.8	ug/kg	136	40.8	1	10/16/15 12:33	10/19/15 14:18	98-95-3	
2-Nitrophenol	<63.5	ug/kg	212	63.5	1	10/16/15 12:33	10/19/15 14:18	88-75-5	
4-Nitrophenol	<50.6	ug/kg	169	50.6	1	10/16/15 12:33	10/19/15 14:18	100-02-7	
N-Nitroso-di-n-propylamine	<31.9	ug/kg	106	31.9	1	10/16/15 12:33	10/19/15 14:18	621-64-7	
N-Nitrosodiphenylamine	<273	ug/kg	909	273	1	10/16/15 12:33	10/19/15 14:18	86-30-6	
2,2'-Oxybis(1-chloropropane)	<51.9	ug/kg	173	51.9	1	10/16/15 12:33	10/19/15 14:18	108-60-1	
Pentachlorophenol	<44.3	ug/kg	148	44.3	1	10/16/15 12:33	10/19/15 14:18	87-86-5	
Phenanthrene	<25.8	ug/kg	86.0	25.8	1	10/16/15 12:33	10/19/15 14:18	85-01-8	
Phenol	<47.7	ug/kg	159	47.7	1	10/16/15 12:33	10/19/15 14:18	108-95-2	
Pyrene	<44.6	ug/kg	149	44.6	1	10/16/15 12:33	10/19/15 14:18	129-00-0	
1,2,4-Trichlorobenzene	<22.7	ug/kg	75.8	22.7	1	10/16/15 12:33	10/19/15 14:18	120-82-1	
2,4,5-Trichlorophenol	<35.5	ug/kg	118	35.5	1	10/16/15 12:33	10/19/15 14:18	95-95-4	
2,4,6-Trichlorophenol	<30.7	ug/kg	102	30.7	1	10/16/15 12:33	10/19/15 14:18	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	84	%	45-130		1	10/16/15 12:33	10/19/15 14:18	4165-60-0	
2-Fluorobiphenyl (S)	75	%	51-130		1	10/16/15 12:33	10/19/15 14:18	321-60-8	
Terphenyl-d14 (S)	79	%	37-134		1	10/16/15 12:33	10/19/15 14:18	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-1 (0-5)-101315D Lab ID: 40122822026 Collected: 10/13/15 11:40 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Phenol-d6 (S)	77	%	36-130		1	10/16/15 12:33	10/19/15 14:18	13127-88-3	
2-Fluorophenol (S)	80	%	37-130		1	10/16/15 12:33	10/19/15 14:18	367-12-4	
2,4,6-Tribromophenol (S)	89	%	30-130		1	10/16/15 12:33	10/19/15 14:18	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<3.9	ug/kg	12.7	3.9	1	10/16/15 12:00	10/16/15 09:49	67-64-1	2q
Benzene	<1.0	ug/kg	3.2	1.0	1	10/16/15 12:00	10/16/15 09:49	71-43-2	
Bromodichloromethane	<0.69	ug/kg	3.2	0.69	1	10/16/15 12:00	10/16/15 09:49	75-27-4	
Bromoform	<0.54	ug/kg	3.2	0.54	1	10/16/15 12:00	10/16/15 09:49	75-25-2	
Bromomethane	<0.95	ug/kg	6.3	0.95	1	10/16/15 12:00	10/16/15 09:49	74-83-9	
2-Butanone (MEK)	<1.8	ug/kg	12.7	1.8	1	10/16/15 12:00	10/16/15 09:49	78-93-3	
Carbon disulfide	<0.82	ug/kg	3.2	0.82	1	10/16/15 12:00	10/16/15 09:49	75-15-0	
Carbon tetrachloride	<1.0	ug/kg	3.2	1.0	1	10/16/15 12:00	10/16/15 09:49	56-23-5	
Chlorobenzene	<1.0	ug/kg	3.2	1.0	1	10/16/15 12:00	10/16/15 09:49	108-90-7	
Chloroethane	<1.3	ug/kg	3.2	1.3	1	10/16/15 12:00	10/16/15 09:49	75-00-3	
Chloroform	<0.60	ug/kg	3.2	0.60	1	10/16/15 12:00	10/16/15 09:49	67-66-3	
Chloromethane	<0.36	ug/kg	3.2	0.36	1	10/16/15 12:00	10/16/15 09:49	74-87-3	
Dibromochloromethane	<1.1	ug/kg	3.2	1.1	1	10/16/15 12:00	10/16/15 09:49	124-48-1	
1,1-Dichloroethane	<1.5	ug/kg	3.2	1.5	1	10/16/15 12:00	10/16/15 09:49	75-34-3	
1,2-Dichloroethane	<0.62	ug/kg	3.2	0.62	1	10/16/15 12:00	10/16/15 09:49	107-06-2	
1,1-Dichloroethene	<1.4	ug/kg	3.2	1.4	1	10/16/15 12:00	10/16/15 09:49	75-35-4	
cis-1,2-Dichloroethene	<0.84	ug/kg	3.2	0.84	1	10/16/15 12:00	10/16/15 09:49	156-59-2	
trans-1,2-Dichloroethene	<0.78	ug/kg	3.2	0.78	1	10/16/15 12:00	10/16/15 09:49	156-60-5	
1,2-Dichloropropane	<0.80	ug/kg	3.2	0.80	1	10/16/15 12:00	10/16/15 09:49	78-87-5	
cis-1,3-Dichloropropene	<0.42	ug/kg	3.2	0.42	1	10/16/15 12:00	10/16/15 09:49	10061-01-5	
trans-1,3-Dichloropropene	<0.59	ug/kg	3.2	0.59	1	10/16/15 12:00	10/16/15 09:49	10061-02-6	
Ethylbenzene	<0.91	ug/kg	3.2	0.91	1	10/16/15 12:00	10/16/15 09:49	100-41-4	
2-Hexanone	<0.94	ug/kg	3.2	0.94	1	10/16/15 12:00	10/16/15 09:49	591-78-6	
Methylene Chloride	<1.2	ug/kg	3.2	1.2	1	10/16/15 12:00	10/16/15 09:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.78	ug/kg	3.2	0.78	1	10/16/15 12:00	10/16/15 09:49	108-10-1	
Methyl-tert-butyl ether	<0.64	ug/kg	3.2	0.64	1	10/16/15 12:00	10/16/15 09:49	1634-04-4	
Styrene	<0.48	ug/kg	3.2	0.48	1	10/16/15 12:00	10/16/15 09:49	100-42-5	
1,1,2,2-Tetrachloroethane	<1.3	ug/kg	3.2	1.3	1	10/16/15 12:00	10/16/15 09:49	79-34-5	
Tetrachloroethene	<0.99	ug/kg	3.2	0.99	1	10/16/15 12:00	10/16/15 09:49	127-18-4	
Toluene	<0.94	ug/kg	3.2	0.94	1	10/16/15 12:00	10/16/15 09:49	108-88-3	
1,1,1-Trichloroethane	<0.98	ug/kg	3.2	0.98	1	10/16/15 12:00	10/16/15 09:49	71-55-6	
1,1,2-Trichloroethane	<1.2	ug/kg	3.2	1.2	1	10/16/15 12:00	10/16/15 09:49	79-00-5	
Trichloroethene	<1.2	ug/kg	3.2	1.2	1	10/16/15 12:00	10/16/15 09:49	79-01-6	
Vinyl chloride	<0.35	ug/kg	3.2	0.35	1	10/16/15 12:00	10/16/15 09:49	75-01-4	
Xylene (Total)	<2.8	ug/kg	9.5	2.8	1	10/16/15 12:00	10/16/15 09:49	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	109	%	70-130		1	10/16/15 12:00	10/16/15 09:49	1868-53-7	
Toluene-d8 (S)	100	%	67-138		1	10/16/15 12:00	10/16/15 09:49	2037-26-5	
4-Bromofluorobenzene (S)	95	%	68-130		1	10/16/15 12:00	10/16/15 09:49	460-00-4	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-1 (0-5)-101315D **Lab ID: 40122822026** Collected: 10/13/15 11:40 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	17.0	%	0.10	0.10	1		10/14/15 19:35		
9045 pH Soil									
Analytical Method: EPA 9045									
pH at 25 Degrees C	7.50	Std. Units	0.100	0.0100	1		10/15/15 19:15		H6

Revised 11/05/15 16:39

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-4 (0-5)-101315 Lab ID: 40122822027 Collected: 10/13/15 13:25 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.52	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:29	7440-36-0	
Arsenic	7.2	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:29	7440-38-2	
Barium	75.3	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:29	7440-39-3	
Beryllium	0.56	mg/kg	0.52	0.26	1	10/16/15 11:38	10/19/15 08:29	7440-41-7	
Cadmium	0.35J	mg/kg	0.52	0.26	1	10/16/15 11:38	10/19/15 08:29	7440-43-9	
Calcium	26900	mg/kg	262	131	5	10/16/15 11:38	10/19/15 09:11	7440-70-2	
Chromium	16.1	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:29	7440-47-3	
Cobalt	6.5	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:29	7440-48-4	
Copper	14.6	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:29	7440-50-8	
Iron	17100	mg/kg	52.4	26.2	1	10/16/15 11:38	10/19/15 08:29	7439-89-6	
Lead	42.9	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:29	7439-92-1	
Magnesium	14500	mg/kg	52.4	26.2	1	10/16/15 11:38	10/19/15 08:29	7439-95-4	
Manganese	613	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:29	7439-96-5	
Nickel	13.9	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:29	7440-02-0	
Potassium	1520	mg/kg	52.4	26.2	1	10/16/15 11:38	10/19/15 08:29	7440-09-7	
Selenium	0.95J	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:29	7782-49-2	
Silver	<0.26	mg/kg	0.52	0.26	1	10/16/15 11:38	10/19/15 08:29	7440-22-4	
Sodium	1910	mg/kg	52.4	26.2	1	10/16/15 11:38	10/19/15 08:29	7440-23-5	
Thallium	1.4	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:29	7440-28-0	
Vanadium	28.0	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:29	7440-62-2	
Zinc	52.0	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:29	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Arsenic	0.019	mg/L	0.010	0.0029	1	10/21/15 06:57	10/25/15 11:55	7440-38-2	
Barium	0.45J	mg/L	0.50	0.0033	1	10/21/15 06:57	10/25/15 11:55	7440-39-3	
Beryllium	0.0019J	mg/L	0.0040	0.00031	1	10/21/15 06:57	10/25/15 11:55	7440-41-7	
Cadmium	0.00072J	mg/L	0.0050	0.00021	1	10/21/15 06:57	10/25/15 11:55	7440-43-9	
Chromium	0.056	mg/L	0.010	0.0025	1	10/21/15 06:57	10/25/15 11:55	7440-47-3	
Cobalt	0.010	mg/L	0.010	0.00053	1	10/21/15 06:57	10/25/15 11:55	7440-48-4	
Copper	0.047	mg/L	0.010	0.0040	1	10/21/15 06:57	10/25/15 11:55	7440-50-8	
Iron	45.6	mg/L	0.10	0.016	1	10/21/15 06:57	10/25/15 11:55	7439-89-6	
Lead	0.070	mg/L	0.010	0.0029	1	10/21/15 06:57	10/25/15 11:55	7439-92-1	
Manganese	0.76	mg/L	0.010	0.0010	1	10/21/15 06:57	10/25/15 11:55	7439-96-5	
Nickel	0.043	mg/L	0.010	0.00074	1	10/21/15 06:57	10/25/15 11:55	7440-02-0	
Selenium	0.0042J	mg/L	0.010	0.0033	1	10/21/15 06:57	10/25/15 11:55	7782-49-2	
Silver	<0.0033	mg/L	0.010	0.0033	1	10/21/15 06:57	10/25/15 11:55	7440-22-4	
Zinc	0.14	mg/L	0.020	0.0030	1	10/21/15 06:57	10/25/15 11:55	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/15/15 15:40

Arsenic	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:41	7440-38-2	
Barium	0.41J	mg/L	0.50	0.25	1	10/16/15 15:49	10/27/15 10:41	7440-39-3	
Beryllium	<0.0020	mg/L	0.0040	0.0020	1	10/16/15 15:49	10/27/15 10:41	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/16/15 15:49	10/27/15 10:41	7440-43-9	
Chromium	<0.0052	mg/L	0.010	0.0052	1	10/16/15 15:49	10/27/15 10:41	7440-47-3	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-4 (0-5)-101315 Lab ID: 40122822027 Collected: 10/13/15 13:25 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/15/15 15:40									
Cobalt	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:41	7440-48-4	
Copper	0.0083J	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:41	7440-50-8	
Iron	<0.050	mg/L	0.10	0.050	1	10/16/15 15:49	10/27/15 10:41	7439-89-6	
Lead	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:41	7439-92-1	
Manganese	1.9	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:41	7439-96-5	
Nickel	0.0093J	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:41	7440-02-0	
Selenium	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:41	7782-49-2	
Silver	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:41	7440-22-4	
Zinc	0.041	mg/L	0.020	0.010	1	10/16/15 15:49	10/27/15 10:41	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.33	ug/L	0.67	0.33	1	10/20/15 19:24	10/21/15 11:58	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/15/15 15:40									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/20/15 19:25	10/21/15 13:51	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.032J	mg/kg	0.22	0.0045	1	10/16/15 20:04	10/16/15 22:53	7439-97-6	CU
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<69.1	ug/kg	230	69.1	1	10/16/15 12:33	10/19/15 10:00	83-32-9	
Acenaphthylene	<69.5	ug/kg	232	69.5	1	10/16/15 12:33	10/19/15 10:00	208-96-8	
Anthracene	<31.1	ug/kg	104	31.1	1	10/16/15 12:33	10/19/15 10:00	120-12-7	
Benzo(a)anthracene	<30.2	ug/kg	101	30.2	1	10/16/15 12:33	10/19/15 10:00	56-55-3	
Benzo(a)pyrene	29.7J	ug/kg	97.7	29.3	1	10/16/15 12:33	10/19/15 10:00	50-32-8	
Benzo(b)fluoranthene	39.8J	ug/kg	112	33.5	1	10/16/15 12:33	10/19/15 10:00	205-99-2	
Benzo(g,h,i)perylene	<51.0	ug/kg	170	51.0	1	10/16/15 12:33	10/19/15 10:00	191-24-2	
Benzo(k)fluoranthene	<46.6	ug/kg	155	46.6	1	10/16/15 12:33	10/19/15 10:00	207-08-9	
4-Bromophenylphenyl ether	<40.8	ug/kg	136	40.8	1	10/16/15 12:33	10/19/15 10:00	101-55-3	
Butylbenzylphthalate	<31.2	ug/kg	104	31.2	1	10/16/15 12:33	10/19/15 10:00	85-68-7	
Carbazole	<30.5	ug/kg	102	30.5	1	10/16/15 12:33	10/19/15 10:00	86-74-8	
4-Chloro-3-methylphenol	<60.6	ug/kg	202	60.6	1	10/16/15 12:33	10/19/15 10:00	59-50-7	
4-Chloroaniline	<32.0	ug/kg	107	32.0	1	10/16/15 12:33	10/19/15 10:00	106-47-8	
bis(2-Chloroethoxy)methane	<52.5	ug/kg	175	52.5	1	10/16/15 12:33	10/19/15 10:00	111-91-1	
bis(2-Chloroethyl) ether	<60.8	ug/kg	203	60.8	1	10/16/15 12:33	10/19/15 10:00	111-44-4	
2-Chloronaphthalene	<25.0	ug/kg	83.3	25.0	1	10/16/15 12:33	10/19/15 10:00	91-58-7	
2-Chlorophenol	<48.6	ug/kg	162	48.6	1	10/16/15 12:33	10/19/15 10:00	95-57-8	
4-Chlorophenylphenyl ether	<36.3	ug/kg	121	36.3	1	10/16/15 12:33	10/19/15 10:00	7005-72-3	
Chrysene	<29.1	ug/kg	97.1	29.1	1	10/16/15 12:33	10/19/15 10:00	218-01-9	
Dibenz(a,h)anthracene	<52.9	ug/kg	176	52.9	1	10/16/15 12:33	10/19/15 10:00	53-70-3	
Dibenzofuran	<23.6	ug/kg	78.6	23.6	1	10/16/15 12:33	10/19/15 10:00	132-64-9	
1,2-Dichlorobenzene	<61.2	ug/kg	204	61.2	1	10/16/15 12:33	10/19/15 10:00	95-50-1	
1,3-Dichlorobenzene	<27.0	ug/kg	89.9	27.0	1	10/16/15 12:33	10/19/15 10:00	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-4 (0-5)-101315 **Lab ID: 40122822027** Collected: 10/13/15 13:25 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,4-Dichlorobenzene	<27.1	ug/kg	90.4	27.1	1	10/16/15 12:33	10/19/15 10:00	106-46-7	
3,3'-Dichlorobenzidine	<52.8	ug/kg	176	52.8	1	10/16/15 12:33	10/19/15 10:00	91-94-1	
2,4-Dichlorophenol	<52.0	ug/kg	173	52.0	1	10/16/15 12:33	10/19/15 10:00	120-83-2	
Diethylphthalate	<32.3	ug/kg	108	32.3	1	10/16/15 12:33	10/19/15 10:00	84-66-2	
2,4-Dimethylphenol	<38.5	ug/kg	128	38.5	1	10/16/15 12:33	10/19/15 10:00	105-67-9	
Dimethylphthalate	<25.3	ug/kg	84.5	25.3	1	10/16/15 12:33	10/19/15 10:00	131-11-3	
Di-n-butylphthalate	<29.1	ug/kg	97.0	29.1	1	10/16/15 12:33	10/19/15 10:00	84-74-2	
4,6-Dinitro-2-methylphenol	<60.0	ug/kg	200	60.0	1	10/16/15 12:33	10/19/15 10:00	534-52-1	
2,4-Dinitrophenol	<59.3	ug/kg	198	59.3	1	10/16/15 12:33	10/19/15 10:00	51-28-5	
2,4-Dinitrotoluene	<27.9	ug/kg	92.8	27.9	1	10/16/15 12:33	10/19/15 10:00	121-14-2	
2,6-Dinitrotoluene	<37.0	ug/kg	123	37.0	1	10/16/15 12:33	10/19/15 10:00	606-20-2	
Di-n-octylphthalate	<43.8	ug/kg	146	43.8	1	10/16/15 12:33	10/19/15 10:00	117-84-0	
bis(2-Ethylhexyl)phthalate	<32.4	ug/kg	108	32.4	1	10/16/15 12:33	10/19/15 10:00	117-81-7	
Fluoranthene	<27.6	ug/kg	91.9	27.6	1	10/16/15 12:33	10/19/15 10:00	206-44-0	
Fluorene	<22.8	ug/kg	75.9	22.8	1	10/16/15 12:33	10/19/15 10:00	86-73-7	
Hexachloro-1,3-butadiene	<49.6	ug/kg	165	49.6	1	10/16/15 12:33	10/19/15 10:00	87-68-3	
Hexachlorobenzene	<32.8	ug/kg	109	32.8	1	10/16/15 12:33	10/19/15 10:00	118-74-1	
Hexachlorocyclopentadiene	<46.1	ug/kg	154	46.1	1	10/16/15 12:33	10/19/15 10:00	77-47-4	
Hexachloroethane	<31.2	ug/kg	104	31.2	1	10/16/15 12:33	10/19/15 10:00	67-72-1	
Indeno(1,2,3-cd)pyrene	<42.1	ug/kg	140	42.1	1	10/16/15 12:33	10/19/15 10:00	193-39-5	
Isophorone	<29.9	ug/kg	99.8	29.9	1	10/16/15 12:33	10/19/15 10:00	78-59-1	
2-Methylnaphthalene	<50.6	ug/kg	169	50.6	1	10/16/15 12:33	10/19/15 10:00	91-57-6	
2-Methylphenol(o-Cresol)	<35.4	ug/kg	118	35.4	1	10/16/15 12:33	10/19/15 10:00	95-48-7	
3&4-Methylphenol(m&p Cresol)	<35.7	ug/kg	119	35.7	1	10/16/15 12:33	10/19/15 10:00		
Naphthalene	<68.1	ug/kg	227	68.1	1	10/16/15 12:33	10/19/15 10:00	91-20-3	
2-Nitroaniline	<55.5	ug/kg	185	55.5	1	10/16/15 12:33	10/19/15 10:00	88-74-4	
3-Nitroaniline	<33.1	ug/kg	110	33.1	1	10/16/15 12:33	10/19/15 10:00	99-09-2	
4-Nitroaniline	<80.8	ug/kg	269	80.8	1	10/16/15 12:33	10/19/15 10:00	100-01-6	
Nitrobenzene	<39.5	ug/kg	132	39.5	1	10/16/15 12:33	10/19/15 10:00	98-95-3	
2-Nitrophenol	<61.5	ug/kg	205	61.5	1	10/16/15 12:33	10/19/15 10:00	88-75-5	
4-Nitrophenol	<49.0	ug/kg	163	49.0	1	10/16/15 12:33	10/19/15 10:00	100-02-7	
N-Nitroso-di-n-propylamine	<30.9	ug/kg	103	30.9	1	10/16/15 12:33	10/19/15 10:00	621-64-7	
N-Nitrosodiphenylamine	<264	ug/kg	881	264	1	10/16/15 12:33	10/19/15 10:00	86-30-6	
2,2'-Oxybis(1-chloropropane)	<50.2	ug/kg	167	50.2	1	10/16/15 12:33	10/19/15 10:00	108-60-1	
Pentachlorophenol	<42.9	ug/kg	143	42.9	1	10/16/15 12:33	10/19/15 10:00	87-86-5	
Phenanthrene	<25.0	ug/kg	83.3	25.0	1	10/16/15 12:33	10/19/15 10:00	85-01-8	
Phenol	<46.2	ug/kg	154	46.2	1	10/16/15 12:33	10/19/15 10:00	108-95-2	
Pyrene	<43.2	ug/kg	144	43.2	1	10/16/15 12:33	10/19/15 10:00	129-00-0	
1,2,4-Trichlorobenzene	<22.0	ug/kg	73.4	22.0	1	10/16/15 12:33	10/19/15 10:00	120-82-1	
2,4,5-Trichlorophenol	<34.4	ug/kg	115	34.4	1	10/16/15 12:33	10/19/15 10:00	95-95-4	
2,4,6-Trichlorophenol	<29.7	ug/kg	99.0	29.7	1	10/16/15 12:33	10/19/15 10:00	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	68	%	45-130		1	10/16/15 12:33	10/19/15 10:00	4165-60-0	
2-Fluorobiphenyl (S)	65	%	51-130		1	10/16/15 12:33	10/19/15 10:00	321-60-8	
Terphenyl-d14 (S)	68	%	37-134		1	10/16/15 12:33	10/19/15 10:00	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-4 (0-5)-101315 **Lab ID: 4012282027** Collected: 10/13/15 13:25 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Phenol-d6 (S)	61	%	36-130		1	10/16/15 12:33	10/19/15 10:00	13127-88-3	
2-Fluorophenol (S)	60	%	37-130		1	10/16/15 12:33	10/19/15 10:00	367-12-4	
2,4,6-Tribromophenol (S)	59	%	30-130		1	10/16/15 12:33	10/19/15 10:00	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.4	ug/kg	14.0	4.4	1	10/16/15 12:00	10/16/15 10:12	67-64-1	2q
Benzene	<1.1	ug/kg	3.5	1.1	1	10/16/15 12:00	10/16/15 10:12	71-43-2	
Bromodichloromethane	<0.77	ug/kg	3.5	0.77	1	10/16/15 12:00	10/16/15 10:12	75-27-4	
Bromoform	<0.59	ug/kg	3.5	0.59	1	10/16/15 12:00	10/16/15 10:12	75-25-2	
Bromomethane	<1.0	ug/kg	7.0	1.0	1	10/16/15 12:00	10/16/15 10:12	74-83-9	
2-Butanone (MEK)	<2.0	ug/kg	14.0	2.0	1	10/16/15 12:00	10/16/15 10:12	78-93-3	
Carbon disulfide	<0.90	ug/kg	3.5	0.90	1	10/16/15 12:00	10/16/15 10:12	75-15-0	
Carbon tetrachloride	<1.1	ug/kg	3.5	1.1	1	10/16/15 12:00	10/16/15 10:12	56-23-5	
Chlorobenzene	<1.1	ug/kg	3.5	1.1	1	10/16/15 12:00	10/16/15 10:12	108-90-7	
Chloroethane	<1.4	ug/kg	3.5	1.4	1	10/16/15 12:00	10/16/15 10:12	75-00-3	
Chloroform	<0.66	ug/kg	3.5	0.66	1	10/16/15 12:00	10/16/15 10:12	67-66-3	
Chloromethane	<0.39	ug/kg	3.5	0.39	1	10/16/15 12:00	10/16/15 10:12	74-87-3	
Dibromochloromethane	<1.2	ug/kg	3.5	1.2	1	10/16/15 12:00	10/16/15 10:12	124-48-1	
1,1-Dichloroethane	<1.7	ug/kg	3.5	1.7	1	10/16/15 12:00	10/16/15 10:12	75-34-3	
1,2-Dichloroethane	<0.69	ug/kg	3.5	0.69	1	10/16/15 12:00	10/16/15 10:12	107-06-2	
1,1-Dichloroethene	<1.6	ug/kg	3.5	1.6	1	10/16/15 12:00	10/16/15 10:12	75-35-4	
cis-1,2-Dichloroethene	<0.93	ug/kg	3.5	0.93	1	10/16/15 12:00	10/16/15 10:12	156-59-2	
trans-1,2-Dichloroethene	<0.87	ug/kg	3.5	0.87	1	10/16/15 12:00	10/16/15 10:12	156-60-5	
1,2-Dichloropropane	<0.88	ug/kg	3.5	0.88	1	10/16/15 12:00	10/16/15 10:12	78-87-5	
cis-1,3-Dichloropropene	<0.47	ug/kg	3.5	0.47	1	10/16/15 12:00	10/16/15 10:12	10061-01-5	
trans-1,3-Dichloropropene	<0.65	ug/kg	3.5	0.65	1	10/16/15 12:00	10/16/15 10:12	10061-02-6	
Ethylbenzene	<1.0	ug/kg	3.5	1.0	1	10/16/15 12:00	10/16/15 10:12	100-41-4	
2-Hexanone	<1.0	ug/kg	3.5	1.0	1	10/16/15 12:00	10/16/15 10:12	591-78-6	
Methylene Chloride	<1.3	ug/kg	3.5	1.3	1	10/16/15 12:00	10/16/15 10:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.86	ug/kg	3.5	0.86	1	10/16/15 12:00	10/16/15 10:12	108-10-1	
Methyl-tert-butyl ether	<0.70	ug/kg	3.5	0.70	1	10/16/15 12:00	10/16/15 10:12	1634-04-4	
Styrene	<0.53	ug/kg	3.5	0.53	1	10/16/15 12:00	10/16/15 10:12	100-42-5	
1,1,2,2-Tetrachloroethane	<1.4	ug/kg	3.5	1.4	1	10/16/15 12:00	10/16/15 10:12	79-34-5	
Tetrachloroethene	<1.1	ug/kg	3.5	1.1	1	10/16/15 12:00	10/16/15 10:12	127-18-4	
Toluene	<1.0	ug/kg	3.5	1.0	1	10/16/15 12:00	10/16/15 10:12	108-88-3	
1,1,1-Trichloroethane	<1.1	ug/kg	3.5	1.1	1	10/16/15 12:00	10/16/15 10:12	71-55-6	
1,1,2-Trichloroethane	<1.3	ug/kg	3.5	1.3	1	10/16/15 12:00	10/16/15 10:12	79-00-5	
Trichloroethene	<1.3	ug/kg	3.5	1.3	1	10/16/15 12:00	10/16/15 10:12	79-01-6	
Vinyl chloride	<0.38	ug/kg	3.5	0.38	1	10/16/15 12:00	10/16/15 10:12	75-01-4	
Xylene (Total)	<3.1	ug/kg	10.5	3.1	1	10/16/15 12:00	10/16/15 10:12	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	107	%	70-130		1	10/16/15 12:00	10/16/15 10:12	1868-53-7	
Toluene-d8 (S)	102	%	67-138		1	10/16/15 12:00	10/16/15 10:12	2037-26-5	
4-Bromofluorobenzene (S)	92	%	68-130		1	10/16/15 12:00	10/16/15 10:12	460-00-4	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-4 (0-5)-101315 **Lab ID: 40122822027** Collected: 10/13/15 13:25 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	14.3	%	0.10	0.10	1		10/14/15 19:35		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	7.98	Std. Units	0.100	0.0100	1		10/15/15 19:15		H6

Revised 11/05/15 16:39

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-4 (5-9)-101315 Lab ID: 40122822028 Collected: 10/13/15 13:30 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.49	mg/kg	0.99	0.49	1	10/16/15 11:38	10/19/15 08:32	7440-36-0	
Arsenic	1.8	mg/kg	0.99	0.49	1	10/16/15 11:38	10/19/15 08:32	7440-38-2	
Barium	7.3	mg/kg	0.99	0.49	1	10/16/15 11:38	10/19/15 08:32	7440-39-3	
Beryllium	<0.25	mg/kg	0.49	0.25	1	10/16/15 11:38	10/19/15 08:32	7440-41-7	
Cadmium	<0.25	mg/kg	0.49	0.25	1	10/16/15 11:38	10/19/15 08:32	7440-43-9	
Calcium	197000	mg/kg	4940	2470	100	10/16/15 11:38	10/19/15 09:14	7440-70-2	
Chromium	4.5	mg/kg	0.99	0.49	1	10/16/15 11:38	10/19/15 08:32	7440-47-3	
Cobalt	1.4	mg/kg	0.99	0.49	1	10/16/15 11:38	10/19/15 08:32	7440-48-4	
Copper	5.0	mg/kg	0.99	0.49	1	10/16/15 11:38	10/19/15 08:32	7440-50-8	
Iron	5870	mg/kg	49.4	24.7	1	10/16/15 11:38	10/19/15 08:32	7439-89-6	
Lead	1.2	mg/kg	0.99	0.49	1	10/16/15 11:38	10/19/15 08:32	7439-92-1	
Magnesium	111000	mg/kg	4940	2470	100	10/16/15 11:38	10/19/15 09:14	7439-95-4	
Manganese	264	mg/kg	0.99	0.49	1	10/16/15 11:38	10/19/15 08:32	7439-96-5	
Nickel	3.6	mg/kg	0.99	0.49	1	10/16/15 11:38	10/19/15 08:32	7440-02-0	
Potassium	786	mg/kg	49.4	24.7	1	10/16/15 11:38	10/19/15 08:32	7440-09-7	
Selenium	0.60J	mg/kg	0.99	0.49	1	10/16/15 11:38	10/19/15 08:32	7782-49-2	
Silver	<0.25	mg/kg	0.49	0.25	1	10/16/15 11:38	10/19/15 08:32	7440-22-4	
Sodium	441	mg/kg	49.4	24.7	1	10/16/15 11:38	10/19/15 08:32	7440-23-5	
Thallium	<0.49	mg/kg	0.99	0.49	1	10/16/15 11:38	10/19/15 08:32	7440-28-0	
Vanadium	5.5	mg/kg	0.99	0.49	1	10/16/15 11:38	10/19/15 08:32	7440-62-2	
Zinc	6.0	mg/kg	0.99	0.49	1	10/16/15 11:38	10/19/15 08:32	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Arsenic	<0.0029	mg/L	0.010	0.0029	1	10/21/15 06:57	10/25/15 11:57	7440-38-2	
Barium	0.0074J	mg/L	0.50	0.0033	1	10/21/15 06:57	10/25/15 11:57	7440-39-3	
Beryllium	<0.00031	mg/L	0.0040	0.00031	1	10/21/15 06:57	10/25/15 11:57	7440-41-7	
Cadmium	<0.00021	mg/L	0.0050	0.00021	1	10/21/15 06:57	10/25/15 11:57	7440-43-9	
Chromium	<0.0025	mg/L	0.010	0.0025	1	10/21/15 06:57	10/25/15 11:57	7440-47-3	
Cobalt	<0.00053	mg/L	0.010	0.00053	1	10/21/15 06:57	10/25/15 11:57	7440-48-4	
Copper	<0.0040	mg/L	0.010	0.0040	1	10/21/15 06:57	10/25/15 11:57	7440-50-8	
Iron	0.050J	mg/L	0.10	0.016	1	10/21/15 06:57	10/25/15 11:57	7439-89-6	
Lead	<0.0029	mg/L	0.010	0.0029	1	10/21/15 06:57	10/25/15 11:57	7439-92-1	
Manganese	<0.0010	mg/L	0.010	0.0010	1	10/21/15 06:57	10/25/15 11:57	7439-96-5	
Nickel	<0.00074	mg/L	0.010	0.00074	1	10/21/15 06:57	10/25/15 11:57	7440-02-0	
Selenium	<0.0033	mg/L	0.010	0.0033	1	10/21/15 06:57	10/25/15 11:57	7782-49-2	
Silver	<0.0033	mg/L	0.010	0.0033	1	10/21/15 06:57	10/25/15 11:57	7440-22-4	
Zinc	<0.0030	mg/L	0.020	0.0030	1	10/21/15 06:57	10/25/15 11:57	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/15/15 15:40

Arsenic	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 11:10	7440-38-2	
Barium	<0.25	mg/L	0.50	0.25	1	10/16/15 15:49	10/27/15 11:10	7440-39-3	
Beryllium	<0.0020	mg/L	0.0040	0.0020	1	10/16/15 15:49	10/27/15 11:10	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/16/15 15:49	10/27/15 11:10	7440-43-9	
Chromium	<0.0052	mg/L	0.010	0.0052	1	10/16/15 15:49	10/27/15 11:10	7440-47-3	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-4 (5-9)-101315 Lab ID: 40122822028 Collected: 10/13/15 13:30 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/15/15 15:40									
Cobalt	0.024	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 11:10	7440-48-4	
Copper	0.011	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 11:10	7440-50-8	
Iron	2.6	mg/L	0.10	0.050	1	10/16/15 15:49	10/27/15 11:10	7439-89-6	
Lead	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 11:10	7439-92-1	
Manganese	3.1	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 11:10	7439-96-5	
Nickel	0.035	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 11:10	7440-02-0	
Selenium	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 11:10	7782-49-2	
Silver	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 11:10	7440-22-4	
Zinc	0.10	mg/L	0.020	0.010	1	10/16/15 15:49	10/27/15 11:10	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.33	ug/L	0.67	0.33	1	10/20/15 19:24	10/21/15 12:04	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/15/15 15:40									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/20/15 19:27	10/21/15 12:50	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.0047J	mg/kg	0.20	0.0040	1	10/16/15 20:04	10/16/15 22:55	7439-97-6	CU
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<60.8	ug/kg	203	60.8	1	10/16/15 12:33	10/19/15 10:21	83-32-9	
Acenaphthylene	<61.2	ug/kg	204	61.2	1	10/16/15 12:33	10/19/15 10:21	208-96-8	
Anthracene	<27.4	ug/kg	91.4	27.4	1	10/16/15 12:33	10/19/15 10:21	120-12-7	
Benzo(a)anthracene	<26.6	ug/kg	88.6	26.6	1	10/16/15 12:33	10/19/15 10:21	56-55-3	
Benzo(a)pyrene	<25.8	ug/kg	86.0	25.8	1	10/16/15 12:33	10/19/15 10:21	50-32-8	
Benzo(b)fluoranthene	<29.5	ug/kg	98.3	29.5	1	10/16/15 12:33	10/19/15 10:21	205-99-2	
Benzo(g,h,i)perylene	<44.9	ug/kg	150	44.9	1	10/16/15 12:33	10/19/15 10:21	191-24-2	
Benzo(k)fluoranthene	<41.1	ug/kg	137	41.1	1	10/16/15 12:33	10/19/15 10:21	207-08-9	
4-Bromophenylphenyl ether	<35.9	ug/kg	120	35.9	1	10/16/15 12:33	10/19/15 10:21	101-55-3	
Butylbenzylphthalate	<27.5	ug/kg	91.7	27.5	1	10/16/15 12:33	10/19/15 10:21	85-68-7	
Carbazole	<26.9	ug/kg	89.5	26.9	1	10/16/15 12:33	10/19/15 10:21	86-74-8	
4-Chloro-3-methylphenol	<53.4	ug/kg	178	53.4	1	10/16/15 12:33	10/19/15 10:21	59-50-7	
4-Chloroaniline	<28.2	ug/kg	94.0	28.2	1	10/16/15 12:33	10/19/15 10:21	106-47-8	
bis(2-Chloroethoxy)methane	<46.2	ug/kg	154	46.2	1	10/16/15 12:33	10/19/15 10:21	111-91-1	
bis(2-Chloroethyl) ether	<53.6	ug/kg	179	53.6	1	10/16/15 12:33	10/19/15 10:21	111-44-4	
2-Chloronaphthalene	<22.0	ug/kg	73.4	22.0	1	10/16/15 12:33	10/19/15 10:21	91-58-7	
2-Chlorophenol	<42.8	ug/kg	143	42.8	1	10/16/15 12:33	10/19/15 10:21	95-57-8	
4-Chlorophenylphenyl ether	<32.0	ug/kg	107	32.0	1	10/16/15 12:33	10/19/15 10:21	7005-72-3	
Chrysene	<25.6	ug/kg	85.5	25.6	1	10/16/15 12:33	10/19/15 10:21	218-01-9	
Dibenz(a,h)anthracene	<46.6	ug/kg	155	46.6	1	10/16/15 12:33	10/19/15 10:21	53-70-3	
Dibenzofuran	<20.8	ug/kg	69.2	20.8	1	10/16/15 12:33	10/19/15 10:21	132-64-9	
1,2-Dichlorobenzene	<53.9	ug/kg	180	53.9	1	10/16/15 12:33	10/19/15 10:21	95-50-1	
1,3-Dichlorobenzene	<23.8	ug/kg	79.2	23.8	1	10/16/15 12:33	10/19/15 10:21	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-4 (5-9)-101315 Lab ID: 40122822028 Collected: 10/13/15 13:30 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,4-Dichlorobenzene	<23.9	ug/kg	79.7	23.9	1	10/16/15 12:33	10/19/15 10:21	106-46-7	
3,3'-Dichlorobenzidine	<46.5	ug/kg	155	46.5	1	10/16/15 12:33	10/19/15 10:21	91-94-1	
2,4-Dichlorophenol	<45.8	ug/kg	153	45.8	1	10/16/15 12:33	10/19/15 10:21	120-83-2	
Diethylphthalate	<28.4	ug/kg	94.8	28.4	1	10/16/15 12:33	10/19/15 10:21	84-66-2	
2,4-Dimethylphenol	<33.9	ug/kg	113	33.9	1	10/16/15 12:33	10/19/15 10:21	105-67-9	
Dimethylphthalate	<22.3	ug/kg	74.4	22.3	1	10/16/15 12:33	10/19/15 10:21	131-11-3	
Di-n-butylphthalate	<25.6	ug/kg	85.5	25.6	1	10/16/15 12:33	10/19/15 10:21	84-74-2	
4,6-Dinitro-2-methylphenol	<52.9	ug/kg	176	52.9	1	10/16/15 12:33	10/19/15 10:21	534-52-1	
2,4-Dinitrophenol	<52.3	ug/kg	174	52.3	1	10/16/15 12:33	10/19/15 10:21	51-28-5	
2,4-Dinitrotoluene	<24.5	ug/kg	81.8	24.5	1	10/16/15 12:33	10/19/15 10:21	121-14-2	
2,6-Dinitrotoluene	<32.6	ug/kg	109	32.6	1	10/16/15 12:33	10/19/15 10:21	606-20-2	
Di-n-octylphthalate	<38.6	ug/kg	129	38.6	1	10/16/15 12:33	10/19/15 10:21	117-84-0	
bis(2-Ethylhexyl)phthalate	<28.5	ug/kg	95.1	28.5	1	10/16/15 12:33	10/19/15 10:21	117-81-7	
Fluoranthene	25.8J	ug/kg	80.9	24.3	1	10/16/15 12:33	10/19/15 10:21	206-44-0	
Fluorene	<20.1	ug/kg	66.8	20.1	1	10/16/15 12:33	10/19/15 10:21	86-73-7	
Hexachloro-1,3-butadiene	<43.7	ug/kg	146	43.7	1	10/16/15 12:33	10/19/15 10:21	87-68-3	
Hexachlorobenzene	<28.9	ug/kg	96.2	28.9	1	10/16/15 12:33	10/19/15 10:21	118-74-1	
Hexachlorocyclopentadiene	<40.6	ug/kg	135	40.6	1	10/16/15 12:33	10/19/15 10:21	77-47-4	
Hexachloroethane	<27.5	ug/kg	91.5	27.5	1	10/16/15 12:33	10/19/15 10:21	67-72-1	
Indeno(1,2,3-cd)pyrene	<37.1	ug/kg	124	37.1	1	10/16/15 12:33	10/19/15 10:21	193-39-5	
Isophorone	<26.4	ug/kg	87.9	26.4	1	10/16/15 12:33	10/19/15 10:21	78-59-1	
2-Methylnaphthalene	<44.5	ug/kg	148	44.5	1	10/16/15 12:33	10/19/15 10:21	91-57-6	
2-Methylphenol(o-Cresol)	<31.2	ug/kg	104	31.2	1	10/16/15 12:33	10/19/15 10:21	95-48-7	
3&4-Methylphenol(m&p Cresol)	<31.4	ug/kg	105	31.4	1	10/16/15 12:33	10/19/15 10:21		
Naphthalene	<60.0	ug/kg	200	60.0	1	10/16/15 12:33	10/19/15 10:21	91-20-3	
2-Nitroaniline	<48.9	ug/kg	163	48.9	1	10/16/15 12:33	10/19/15 10:21	88-74-4	
3-Nitroaniline	<29.2	ug/kg	97.2	29.2	1	10/16/15 12:33	10/19/15 10:21	99-09-2	
4-Nitroaniline	<71.2	ug/kg	237	71.2	1	10/16/15 12:33	10/19/15 10:21	100-01-6	
Nitrobenzene	<34.8	ug/kg	116	34.8	1	10/16/15 12:33	10/19/15 10:21	98-95-3	
2-Nitrophenol	<54.1	ug/kg	180	54.1	1	10/16/15 12:33	10/19/15 10:21	88-75-5	
4-Nitrophenol	<43.2	ug/kg	144	43.2	1	10/16/15 12:33	10/19/15 10:21	100-02-7	
N-Nitroso-di-n-propylamine	<27.2	ug/kg	90.7	27.2	1	10/16/15 12:33	10/19/15 10:21	621-64-7	
N-Nitrosodiphenylamine	<233	ug/kg	776	233	1	10/16/15 12:33	10/19/15 10:21	86-30-6	
2,2'-Oxybis(1-chloropropane)	<44.2	ug/kg	147	44.2	1	10/16/15 12:33	10/19/15 10:21	108-60-1	
Pentachlorophenol	<37.8	ug/kg	126	37.8	1	10/16/15 12:33	10/19/15 10:21	87-86-5	
Phenanthrene	<22.0	ug/kg	73.4	22.0	1	10/16/15 12:33	10/19/15 10:21	85-01-8	
Phenol	<40.7	ug/kg	136	40.7	1	10/16/15 12:33	10/19/15 10:21	108-95-2	
Pyrene	<38.0	ug/kg	127	38.0	1	10/16/15 12:33	10/19/15 10:21	129-00-0	
1,2,4-Trichlorobenzene	<19.4	ug/kg	64.6	19.4	1	10/16/15 12:33	10/19/15 10:21	120-82-1	
2,4,5-Trichlorophenol	<30.3	ug/kg	101	30.3	1	10/16/15 12:33	10/19/15 10:21	95-95-4	
2,4,6-Trichlorophenol	<26.2	ug/kg	87.2	26.2	1	10/16/15 12:33	10/19/15 10:21	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	71	%	45-130		1	10/16/15 12:33	10/19/15 10:21	4165-60-0	
2-Fluorobiphenyl (S)	71	%	51-130		1	10/16/15 12:33	10/19/15 10:21	321-60-8	
Terphenyl-d14 (S)	77	%	37-134		1	10/16/15 12:33	10/19/15 10:21	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-4 (5-9)-101315 **Lab ID: 40122822028** Collected: 10/13/15 13:30 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Phenol-d6 (S)	69	%	36-130		1	10/16/15 12:33	10/19/15 10:21	13127-88-3	
2-Fluorophenol (S)	67	%	37-130		1	10/16/15 12:33	10/19/15 10:21	367-12-4	
2,4,6-Tribromophenol (S)	68	%	30-130		1	10/16/15 12:33	10/19/15 10:21	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	5.1J	ug/kg	13.7	4.3	1	10/16/15 12:00	10/16/15 10:35	67-64-1	1q
Benzene	<1.1	ug/kg	3.4	1.1	1	10/16/15 12:00	10/16/15 10:35	71-43-2	
Bromodichloromethane	<0.75	ug/kg	3.4	0.75	1	10/16/15 12:00	10/16/15 10:35	75-27-4	
Bromoform	<0.58	ug/kg	3.4	0.58	1	10/16/15 12:00	10/16/15 10:35	75-25-2	
Bromomethane	<1.0	ug/kg	6.9	1.0	1	10/16/15 12:00	10/16/15 10:35	74-83-9	
2-Butanone (MEK)	<2.0	ug/kg	13.7	2.0	1	10/16/15 12:00	10/16/15 10:35	78-93-3	
Carbon disulfide	<0.89	ug/kg	3.4	0.89	1	10/16/15 12:00	10/16/15 10:35	75-15-0	
Carbon tetrachloride	<1.1	ug/kg	3.4	1.1	1	10/16/15 12:00	10/16/15 10:35	56-23-5	
Chlorobenzene	<1.1	ug/kg	3.4	1.1	1	10/16/15 12:00	10/16/15 10:35	108-90-7	
Chloroethane	<1.4	ug/kg	3.4	1.4	1	10/16/15 12:00	10/16/15 10:35	75-00-3	
Chloroform	<0.65	ug/kg	3.4	0.65	1	10/16/15 12:00	10/16/15 10:35	67-66-3	
Chloromethane	<0.39	ug/kg	3.4	0.39	1	10/16/15 12:00	10/16/15 10:35	74-87-3	
Dibromochloromethane	<1.2	ug/kg	3.4	1.2	1	10/16/15 12:00	10/16/15 10:35	124-48-1	
1,1-Dichloroethane	<1.6	ug/kg	3.4	1.6	1	10/16/15 12:00	10/16/15 10:35	75-34-3	
1,2-Dichloroethane	<0.67	ug/kg	3.4	0.67	1	10/16/15 12:00	10/16/15 10:35	107-06-2	
1,1-Dichloroethene	<1.6	ug/kg	3.4	1.6	1	10/16/15 12:00	10/16/15 10:35	75-35-4	
cis-1,2-Dichloroethene	<0.91	ug/kg	3.4	0.91	1	10/16/15 12:00	10/16/15 10:35	156-59-2	
trans-1,2-Dichloroethene	<0.85	ug/kg	3.4	0.85	1	10/16/15 12:00	10/16/15 10:35	156-60-5	
1,2-Dichloropropane	<0.87	ug/kg	3.4	0.87	1	10/16/15 12:00	10/16/15 10:35	78-87-5	
cis-1,3-Dichloropropene	<0.46	ug/kg	3.4	0.46	1	10/16/15 12:00	10/16/15 10:35	10061-01-5	
trans-1,3-Dichloropropene	<0.64	ug/kg	3.4	0.64	1	10/16/15 12:00	10/16/15 10:35	10061-02-6	
Ethylbenzene	<0.99	ug/kg	3.4	0.99	1	10/16/15 12:00	10/16/15 10:35	100-41-4	
2-Hexanone	<1.0	ug/kg	3.4	1.0	1	10/16/15 12:00	10/16/15 10:35	591-78-6	
Methylene Chloride	<1.3	ug/kg	3.4	1.3	1	10/16/15 12:00	10/16/15 10:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.84	ug/kg	3.4	0.84	1	10/16/15 12:00	10/16/15 10:35	108-10-1	
Methyl-tert-butyl ether	<0.69	ug/kg	3.4	0.69	1	10/16/15 12:00	10/16/15 10:35	1634-04-4	
Styrene	<0.52	ug/kg	3.4	0.52	1	10/16/15 12:00	10/16/15 10:35	100-42-5	
1,1,2,2-Tetrachloroethane	<1.4	ug/kg	3.4	1.4	1	10/16/15 12:00	10/16/15 10:35	79-34-5	
Tetrachloroethene	<1.1	ug/kg	3.4	1.1	1	10/16/15 12:00	10/16/15 10:35	127-18-4	
Toluene	<1.0	ug/kg	3.4	1.0	1	10/16/15 12:00	10/16/15 10:35	108-88-3	
1,1,1-Trichloroethane	<1.1	ug/kg	3.4	1.1	1	10/16/15 12:00	10/16/15 10:35	71-55-6	
1,1,2-Trichloroethane	<1.3	ug/kg	3.4	1.3	1	10/16/15 12:00	10/16/15 10:35	79-00-5	
Trichloroethene	<1.3	ug/kg	3.4	1.3	1	10/16/15 12:00	10/16/15 10:35	79-01-6	
Vinyl chloride	<0.38	ug/kg	3.4	0.38	1	10/16/15 12:00	10/16/15 10:35	75-01-4	
Xylene (Total)	<3.1	ug/kg	10.3	3.1	1	10/16/15 12:00	10/16/15 10:35	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	101	%	70-130		1	10/16/15 12:00	10/16/15 10:35	1868-53-7	
Toluene-d8 (S)	103	%	67-138		1	10/16/15 12:00	10/16/15 10:35	2037-26-5	
4-Bromofluorobenzene (S)	92	%	68-130		1	10/16/15 12:00	10/16/15 10:35	460-00-4	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-4 (5-9)-101315 **Lab ID: 40122822028** Collected: 10/13/15 13:30 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	2.7	%	0.10	0.10	1		10/14/15 19:35		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	8.67	Std. Units	0.100	0.0100	1		10/15/15 19:15		H6

Revised 11/05/15 16:39

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-5 (0-5)-101315 **Lab ID: 4012282029** Collected: 10/13/15 13:45 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.58	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:34	7440-36-0	
Arsenic	7.5	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:34	7440-38-2	
Barium	69.6	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:34	7440-39-3	
Beryllium	0.52J	mg/kg	0.58	0.29	1	10/16/15 11:38	10/19/15 08:34	7440-41-7	
Cadmium	0.42J	mg/kg	0.58	0.29	1	10/16/15 11:38	10/19/15 08:34	7440-43-9	
Calcium	32900	mg/kg	291	145	5	10/16/15 11:38	10/19/15 09:16	7440-70-2	
Chromium	15.1	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:34	7440-47-3	
Cobalt	5.9	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:34	7440-48-4	
Copper	16.0	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:34	7440-50-8	
Iron	15600	mg/kg	58.1	29.1	1	10/16/15 11:38	10/19/15 08:34	7439-89-6	
Lead	34.3	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:34	7439-92-1	
Magnesium	17800	mg/kg	58.1	29.1	1	10/16/15 11:38	10/19/15 08:34	7439-95-4	
Manganese	518	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:34	7439-96-5	
Nickel	13.6	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:34	7440-02-0	
Potassium	1350	mg/kg	58.1	29.1	1	10/16/15 11:38	10/19/15 08:34	7440-09-7	
Selenium	0.68J	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:34	7782-49-2	
Silver	<0.29	mg/kg	0.58	0.29	1	10/16/15 11:38	10/19/15 08:34	7440-22-4	
Sodium	1720	mg/kg	58.1	29.1	1	10/16/15 11:38	10/19/15 08:34	7440-23-5	
Thallium	1.3	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:34	7440-28-0	
Vanadium	25.5	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:34	7440-62-2	
Zinc	56.5	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:34	7440-66-6	

6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	0.013	mg/L	0.010	0.0029	1	10/21/15 06:57	10/25/15 11:59	7440-38-2	
Barium	0.24J	mg/L	0.50	0.0033	1	10/21/15 06:57	10/25/15 11:59	7440-39-3	
Beryllium	0.0013J	mg/L	0.0040	0.00031	1	10/21/15 06:57	10/25/15 11:59	7440-41-7	
Cadmium	0.00070J	mg/L	0.0050	0.00021	1	10/21/15 06:57	10/25/15 11:59	7440-43-9	
Chromium	0.036	mg/L	0.010	0.0025	1	10/21/15 06:57	10/25/15 11:59	7440-47-3	
Cobalt	0.0059J	mg/L	0.010	0.00053	1	10/21/15 06:57	10/25/15 11:59	7440-48-4	
Copper	0.038	mg/L	0.010	0.0040	1	10/21/15 06:57	10/25/15 11:59	7440-50-8	
Iron	31.5	mg/L	0.10	0.016	1	10/21/15 06:57	10/25/15 11:59	7439-89-6	
Lead	0.096	mg/L	0.010	0.0029	1	10/21/15 06:57	10/25/15 11:59	7439-92-1	
Manganese	0.29	mg/L	0.010	0.0010	1	10/21/15 06:57	10/25/15 11:59	7439-96-5	
Nickel	0.026	mg/L	0.010	0.00074	1	10/21/15 06:57	10/25/15 11:59	7440-02-0	
Selenium	<0.0033	mg/L	0.010	0.0033	1	10/21/15 06:57	10/25/15 11:59	7782-49-2	
Silver	<0.0033	mg/L	0.010	0.0033	1	10/21/15 06:57	10/25/15 11:59	7440-22-4	
Zinc	0.15	mg/L	0.020	0.0030	1	10/21/15 06:57	10/25/15 11:59	7440-66-6	

6010 MET ICP, TCLP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/15/15 15:40									
Arsenic	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:43	7440-38-2	
Barium	0.38J	mg/L	0.50	0.25	1	10/16/15 15:49	10/27/15 10:43	7440-39-3	
Beryllium	<0.0020	mg/L	0.0040	0.0020	1	10/16/15 15:49	10/27/15 10:43	7440-41-7	
Cadmium	0.0030J	mg/L	0.0050	0.0025	1	10/16/15 15:49	10/27/15 10:43	7440-43-9	
Chromium	<0.0052	mg/L	0.010	0.0052	1	10/16/15 15:49	10/27/15 10:43	7440-47-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-5 (0-5)-101315 Lab ID: 40122822029 Collected: 10/13/15 13:45 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/15/15 15:40									
Cobalt	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:43	7440-48-4	
Copper	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:43	7440-50-8	
Iron	<0.050	mg/L	0.10	0.050	1	10/16/15 15:49	10/27/15 10:43	7439-89-6	
Lead	0.012	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:43	7439-92-1	
Manganese	1.3	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:43	7439-96-5	
Nickel	0.0071J	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:43	7440-02-0	
Selenium	0.0051J	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:43	7782-49-2	
Silver	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:43	7440-22-4	
Zinc	0.22	mg/L	0.020	0.010	1	10/16/15 15:49	10/27/15 10:43	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.33	ug/L	0.67	0.33	1	10/20/15 19:24	10/21/15 12:07	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/15/15 15:40									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/20/15 19:25	10/21/15 13:53	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.015J	mg/kg	0.24	0.0048	1	10/16/15 20:04	10/16/15 22:57	7439-97-6	CU
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<70.0	ug/kg	233	70.0	1	10/16/15 12:33	10/20/15 10:01	83-32-9	
Acenaphthylene	<70.4	ug/kg	235	70.4	1	10/16/15 12:33	10/20/15 10:01	208-96-8	
Anthracene	<31.6	ug/kg	105	31.6	1	10/16/15 12:33	10/20/15 10:01	120-12-7	
Benzo(a)anthracene	104	ug/kg	102	30.6	1	10/16/15 12:33	10/20/15 10:01	56-55-3	
Benzo(a)pyrene	172	ug/kg	99.0	29.7	1	10/16/15 12:33	10/20/15 10:01	50-32-8	
Benzo(b)fluoranthene	138	ug/kg	113	33.9	1	10/16/15 12:33	10/20/15 10:01	205-99-2	
Benzo(g,h,i)perylene	176	ug/kg	172	51.7	1	10/16/15 12:33	10/20/15 10:01	191-24-2	
Benzo(k)fluoranthene	172	ug/kg	158	47.3	1	10/16/15 12:33	10/20/15 10:01	207-08-9	
4-Bromophenylphenyl ether	<41.4	ug/kg	138	41.4	1	10/16/15 12:33	10/20/15 10:01	101-55-3	
Butylbenzylphthalate	<31.7	ug/kg	106	31.7	1	10/16/15 12:33	10/20/15 10:01	85-68-7	
Carbazole	<30.9	ug/kg	103	30.9	1	10/16/15 12:33	10/20/15 10:01	86-74-8	
4-Chloro-3-methylphenol	<61.4	ug/kg	205	61.4	1	10/16/15 12:33	10/20/15 10:01	59-50-7	
4-Chloroaniline	<32.5	ug/kg	108	32.5	1	10/16/15 12:33	10/20/15 10:01	106-47-8	
bis(2-Chloroethoxy)methane	<53.2	ug/kg	177	53.2	1	10/16/15 12:33	10/20/15 10:01	111-91-1	
bis(2-Chloroethyl) ether	<61.7	ug/kg	206	61.7	1	10/16/15 12:33	10/20/15 10:01	111-44-4	
2-Chloronaphthalene	<25.4	ug/kg	84.5	25.4	1	10/16/15 12:33	10/20/15 10:01	91-58-7	
2-Chlorophenol	<49.3	ug/kg	164	49.3	1	10/16/15 12:33	10/20/15 10:01	95-57-8	
4-Chlorophenylphenyl ether	<36.8	ug/kg	123	36.8	1	10/16/15 12:33	10/20/15 10:01	7005-72-3	
Chrysene	138	ug/kg	98.4	29.5	1	10/16/15 12:33	10/20/15 10:01	218-01-9	
Dibenz(a,h)anthracene	86.1J	ug/kg	179	53.6	1	10/16/15 12:33	10/20/15 10:01	53-70-3	
Dibenzofuran	<23.9	ug/kg	79.7	23.9	1	10/16/15 12:33	10/20/15 10:01	132-64-9	
1,2-Dichlorobenzene	<62.1	ug/kg	207	62.1	1	10/16/15 12:33	10/20/15 10:01	95-50-1	
1,3-Dichlorobenzene	<27.3	ug/kg	91.2	27.3	1	10/16/15 12:33	10/20/15 10:01	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-5 (0-5)-101315 **Lab ID: 4012282029** Collected: 10/13/15 13:45 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,4-Dichlorobenzene	<27.5	ug/kg	91.7	27.5	1	10/16/15 12:33	10/20/15 10:01	106-46-7	
3,3'-Dichlorobenzidine	<53.6	ug/kg	179	53.6	1	10/16/15 12:33	10/20/15 10:01	91-94-1	
2,4-Dichlorophenol	<52.8	ug/kg	176	52.8	1	10/16/15 12:33	10/20/15 10:01	120-83-2	
Diethylphthalate	<32.7	ug/kg	109	32.7	1	10/16/15 12:33	10/20/15 10:01	84-66-2	
2,4-Dimethylphenol	<39.1	ug/kg	130	39.1	1	10/16/15 12:33	10/20/15 10:01	105-67-9	
Dimethylphthalate	26.5J	ug/kg	85.6	25.7	1	10/16/15 12:33	10/20/15 10:01	131-11-3	
Di-n-butylphthalate	<29.5	ug/kg	98.4	29.5	1	10/16/15 12:33	10/20/15 10:01	84-74-2	
4,6-Dinitro-2-methylphenol	<60.9	ug/kg	203	60.9	1	10/16/15 12:33	10/20/15 10:01	534-52-1	
2,4-Dinitrophenol	<60.2	ug/kg	201	60.2	1	10/16/15 12:33	10/20/15 10:01	51-28-5	
2,4-Dinitrotoluene	<28.2	ug/kg	94.1	28.2	1	10/16/15 12:33	10/20/15 10:01	121-14-2	
2,6-Dinitrotoluene	<37.5	ug/kg	125	37.5	1	10/16/15 12:33	10/20/15 10:01	606-20-2	
Di-n-octylphthalate	<44.4	ug/kg	148	44.4	1	10/16/15 12:33	10/20/15 10:01	117-84-0	
bis(2-Ethylhexyl)phthalate	44.5J	ug/kg	109	32.8	1	10/16/15 12:33	10/20/15 10:01	117-81-7	
Fluoranthene	171	ug/kg	93.1	27.9	1	10/16/15 12:33	10/20/15 10:01	206-44-0	
Fluorene	<23.1	ug/kg	76.9	23.1	1	10/16/15 12:33	10/20/15 10:01	86-73-7	
Hexachloro-1,3-butadiene	<50.3	ug/kg	168	50.3	1	10/16/15 12:33	10/20/15 10:01	87-68-3	
Hexachlorobenzene	<33.2	ug/kg	111	33.2	1	10/16/15 12:33	10/20/15 10:01	118-74-1	
Hexachlorocyclopentadiene	<46.7	ug/kg	156	46.7	1	10/16/15 12:33	10/20/15 10:01	77-47-4	
Hexachloroethane	<31.6	ug/kg	105	31.6	1	10/16/15 12:33	10/20/15 10:01	67-72-1	
Indeno(1,2,3-cd)pyrene	175	ug/kg	142	42.7	1	10/16/15 12:33	10/20/15 10:01	193-39-5	
Isophorone	<30.4	ug/kg	101	30.4	1	10/16/15 12:33	10/20/15 10:01	78-59-1	
2-Methylnaphthalene	<51.3	ug/kg	171	51.3	1	10/16/15 12:33	10/20/15 10:01	91-57-6	
2-Methylphenol(o-Cresol)	<35.9	ug/kg	120	35.9	1	10/16/15 12:33	10/20/15 10:01	95-48-7	
3&4-Methylphenol(m&p Cresol)	<36.2	ug/kg	121	36.2	1	10/16/15 12:33	10/20/15 10:01		
Naphthalene	<69.1	ug/kg	230	69.1	1	10/16/15 12:33	10/20/15 10:01	91-20-3	
2-Nitroaniline	<56.3	ug/kg	188	56.3	1	10/16/15 12:33	10/20/15 10:01	88-74-4	
3-Nitroaniline	<33.6	ug/kg	112	33.6	1	10/16/15 12:33	10/20/15 10:01	99-09-2	
4-Nitroaniline	<82.0	ug/kg	273	82.0	1	10/16/15 12:33	10/20/15 10:01	100-01-6	
Nitrobenzene	<40.0	ug/kg	133	40.0	1	10/16/15 12:33	10/20/15 10:01	98-95-3	
2-Nitrophenol	<62.3	ug/kg	208	62.3	1	10/16/15 12:33	10/20/15 10:01	88-75-5	
4-Nitrophenol	<49.7	ug/kg	166	49.7	1	10/16/15 12:33	10/20/15 10:01	100-02-7	
N-Nitroso-di-n-propylamine	<31.3	ug/kg	104	31.3	1	10/16/15 12:33	10/20/15 10:01	621-64-7	
N-Nitrosodiphenylamine	<268	ug/kg	893	268	1	10/16/15 12:33	10/20/15 10:01	86-30-6	
2,2'-Oxybis(1-chloropropane)	<50.9	ug/kg	170	50.9	1	10/16/15 12:33	10/20/15 10:01	108-60-1	
Pentachlorophenol	<43.5	ug/kg	145	43.5	1	10/16/15 12:33	10/20/15 10:01	87-86-5	
Phenanthrene	80.1J	ug/kg	84.4	25.3	1	10/16/15 12:33	10/20/15 10:01	85-01-8	
Phenol	<46.9	ug/kg	156	46.9	1	10/16/15 12:33	10/20/15 10:01	108-95-2	
Pyrene	233	ug/kg	146	43.8	1	10/16/15 12:33	10/20/15 10:01	129-00-0	
1,2,4-Trichlorobenzene	<22.3	ug/kg	74.4	22.3	1	10/16/15 12:33	10/20/15 10:01	120-82-1	
2,4,5-Trichlorophenol	<34.9	ug/kg	116	34.9	1	10/16/15 12:33	10/20/15 10:01	95-95-4	
2,4,6-Trichlorophenol	<30.1	ug/kg	100	30.1	1	10/16/15 12:33	10/20/15 10:01	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	63	%	45-130		1	10/16/15 12:33	10/20/15 10:01	4165-60-0	
2-Fluorobiphenyl (S)	70	%	51-130		1	10/16/15 12:33	10/20/15 10:01	321-60-8	
Terphenyl-d14 (S)	100	%	37-134		1	10/16/15 12:33	10/20/15 10:01	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-5 (0-5)-101315 **Lab ID:** 40122822029 Collected: 10/13/15 13:45 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Phenol-d6 (S)	70	%	36-130		1	10/16/15 12:33	10/20/15 10:01	13127-88-3	
2-Fluorophenol (S)	56	%	37-130		1	10/16/15 12:33	10/20/15 10:01	367-12-4	
2,4,6-Tribromophenol (S)	69	%	30-130		1	10/16/15 12:33	10/20/15 10:01	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.3	ug/kg	13.7	4.3	1	10/16/15 12:00	10/16/15 10:57	67-64-1	2q
Benzene	<1.1	ug/kg	3.4	1.1	1	10/16/15 12:00	10/16/15 10:57	71-43-2	
Bromodichloromethane	<0.75	ug/kg	3.4	0.75	1	10/16/15 12:00	10/16/15 10:57	75-27-4	
Bromoform	<0.58	ug/kg	3.4	0.58	1	10/16/15 12:00	10/16/15 10:57	75-25-2	
Bromomethane	<1.0	ug/kg	6.8	1.0	1	10/16/15 12:00	10/16/15 10:57	74-83-9	
2-Butanone (MEK)	<1.9	ug/kg	13.7	1.9	1	10/16/15 12:00	10/16/15 10:57	78-93-3	
Carbon disulfide	<0.88	ug/kg	3.4	0.88	1	10/16/15 12:00	10/16/15 10:57	75-15-0	
Carbon tetrachloride	<1.1	ug/kg	3.4	1.1	1	10/16/15 12:00	10/16/15 10:57	56-23-5	
Chlorobenzene	<1.1	ug/kg	3.4	1.1	1	10/16/15 12:00	10/16/15 10:57	108-90-7	
Chloroethane	<1.4	ug/kg	3.4	1.4	1	10/16/15 12:00	10/16/15 10:57	75-00-3	
Chloroform	<0.65	ug/kg	3.4	0.65	1	10/16/15 12:00	10/16/15 10:57	67-66-3	
Chloromethane	<0.38	ug/kg	3.4	0.38	1	10/16/15 12:00	10/16/15 10:57	74-87-3	
Dibromochloromethane	<1.2	ug/kg	3.4	1.2	1	10/16/15 12:00	10/16/15 10:57	124-48-1	
1,1-Dichloroethane	<1.6	ug/kg	3.4	1.6	1	10/16/15 12:00	10/16/15 10:57	75-34-3	
1,2-Dichloroethane	<0.67	ug/kg	3.4	0.67	1	10/16/15 12:00	10/16/15 10:57	107-06-2	
1,1-Dichloroethene	<1.5	ug/kg	3.4	1.5	1	10/16/15 12:00	10/16/15 10:57	75-35-4	
cis-1,2-Dichloroethene	<0.91	ug/kg	3.4	0.91	1	10/16/15 12:00	10/16/15 10:57	156-59-2	
trans-1,2-Dichloroethene	<0.85	ug/kg	3.4	0.85	1	10/16/15 12:00	10/16/15 10:57	156-60-5	
1,2-Dichloropropane	<0.86	ug/kg	3.4	0.86	1	10/16/15 12:00	10/16/15 10:57	78-87-5	
cis-1,3-Dichloropropene	<0.46	ug/kg	3.4	0.46	1	10/16/15 12:00	10/16/15 10:57	10061-01-5	
trans-1,3-Dichloropropene	<0.63	ug/kg	3.4	0.63	1	10/16/15 12:00	10/16/15 10:57	10061-02-6	
Ethylbenzene	<0.99	ug/kg	3.4	0.99	1	10/16/15 12:00	10/16/15 10:57	100-41-4	
2-Hexanone	<1.0	ug/kg	3.4	1.0	1	10/16/15 12:00	10/16/15 10:57	591-78-6	
Methylene Chloride	<1.3	ug/kg	3.4	1.3	1	10/16/15 12:00	10/16/15 10:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.84	ug/kg	3.4	0.84	1	10/16/15 12:00	10/16/15 10:57	108-10-1	
Methyl-tert-butyl ether	<0.69	ug/kg	3.4	0.69	1	10/16/15 12:00	10/16/15 10:57	1634-04-4	
Styrene	<0.52	ug/kg	3.4	0.52	1	10/16/15 12:00	10/16/15 10:57	100-42-5	
1,1,2,2-Tetrachloroethane	<1.4	ug/kg	3.4	1.4	1	10/16/15 12:00	10/16/15 10:57	79-34-5	
Tetrachloroethene	<1.1	ug/kg	3.4	1.1	1	10/16/15 12:00	10/16/15 10:57	127-18-4	
Toluene	<1.0	ug/kg	3.4	1.0	1	10/16/15 12:00	10/16/15 10:57	108-88-3	
1,1,1-Trichloroethane	<1.1	ug/kg	3.4	1.1	1	10/16/15 12:00	10/16/15 10:57	71-55-6	
1,1,2-Trichloroethane	<1.3	ug/kg	3.4	1.3	1	10/16/15 12:00	10/16/15 10:57	79-00-5	
Trichloroethene	<1.3	ug/kg	3.4	1.3	1	10/16/15 12:00	10/16/15 10:57	79-01-6	
Vinyl chloride	<0.37	ug/kg	3.4	0.37	1	10/16/15 12:00	10/16/15 10:57	75-01-4	
Xylene (Total)	<3.1	ug/kg	10.3	3.1	1	10/16/15 12:00	10/16/15 10:57	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	111	%	70-130		1	10/16/15 12:00	10/16/15 10:57	1868-53-7	
Toluene-d8 (S)	101	%	67-138		1	10/16/15 12:00	10/16/15 10:57	2037-26-5	
4-Bromofluorobenzene (S)	95	%	68-130		1	10/16/15 12:00	10/16/15 10:57	460-00-4	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-5 (0-5)-101315 **Lab ID: 40122822029** Collected: 10/13/15 13:45 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	15.5	%	0.10	0.10	1		10/14/15 19:35		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	8.09	Std. Units	0.100	0.0100	1		10/15/15 20:45		H6

Revised 11/05/15 16:39

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-5 (5-9)-101315 Lab ID: 4012282030 Collected: 10/13/15 13:50 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.52	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:36	7440-36-0	
Arsenic	5.1	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:36	7440-38-2	
Barium	38.5	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:36	7440-39-3	
Beryllium	0.29J	mg/kg	0.52	0.26	1	10/16/15 11:38	10/19/15 08:36	7440-41-7	
Cadmium	<0.26	mg/kg	0.52	0.26	1	10/16/15 11:38	10/19/15 08:36	7440-43-9	
Calcium	115000	mg/kg	5190	2600	100	10/16/15 11:38	10/19/15 09:22	7440-70-2	
Chromium	9.7	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:36	7440-47-3	
Cobalt	3.7	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:36	7440-48-4	
Copper	10.3	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:36	7440-50-8	
Iron	11800	mg/kg	51.9	26.0	1	10/16/15 11:38	10/19/15 08:36	7439-89-6	
Lead	7.9	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:36	7439-92-1	
Magnesium	66200	mg/kg	5190	2600	100	10/16/15 11:38	10/19/15 09:22	7439-95-4	
Manganese	599	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:36	7439-96-5	
Nickel	10.4	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:36	7440-02-0	
Potassium	936	mg/kg	51.9	26.0	1	10/16/15 11:38	10/19/15 08:36	7440-09-7	
Selenium	<0.52	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:36	7782-49-2	
Silver	<0.26	mg/kg	0.52	0.26	1	10/16/15 11:38	10/19/15 08:36	7440-22-4	
Sodium	892	mg/kg	51.9	26.0	1	10/16/15 11:38	10/19/15 08:36	7440-23-5	
Thallium	1.2	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:36	7440-28-0	
Vanadium	17.4	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:36	7440-62-2	
Zinc	23.1	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:36	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Arsenic	0.0044J	mg/L	0.010	0.0029	1	10/21/15 06:57	10/25/15 12:01	7440-38-2	
Barium	0.12J	mg/L	0.50	0.0033	1	10/21/15 06:57	10/25/15 12:01	7440-39-3	
Beryllium	0.00058J	mg/L	0.0040	0.00031	1	10/21/15 06:57	10/25/15 12:01	7440-41-7	
Cadmium	0.00030J	mg/L	0.0050	0.00021	1	10/21/15 06:57	10/25/15 12:01	7440-43-9	
Chromium	0.014	mg/L	0.010	0.0025	1	10/21/15 06:57	10/25/15 12:01	7440-47-3	
Cobalt	0.0027J	mg/L	0.010	0.00053	1	10/21/15 06:57	10/25/15 12:01	7440-48-4	
Copper	0.019	mg/L	0.010	0.0040	1	10/21/15 06:57	10/25/15 12:01	7440-50-8	
Iron	12.6	mg/L	0.10	0.016	1	10/21/15 06:57	10/25/15 12:01	7439-89-6	
Lead	0.0055J	mg/L	0.010	0.0029	1	10/21/15 06:57	10/25/15 12:01	7439-92-1	
Manganese	0.16	mg/L	0.010	0.0010	1	10/21/15 06:57	10/25/15 12:01	7439-96-5	
Nickel	0.012	mg/L	0.010	0.00074	1	10/21/15 06:57	10/25/15 12:01	7440-02-0	
Selenium	0.0036J	mg/L	0.010	0.0033	1	10/21/15 06:57	10/25/15 12:01	7782-49-2	
Silver	0.0047J	mg/L	0.010	0.0033	1	10/21/15 06:57	10/25/15 12:01	7440-22-4	
Zinc	0.040	mg/L	0.020	0.0030	1	10/21/15 06:57	10/25/15 12:01	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/15/15 15:40

Arsenic	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:51	7440-38-2	
Barium	0.31J	mg/L	0.50	0.25	1	10/16/15 15:49	10/27/15 10:51	7440-39-3	
Beryllium	<0.0020	mg/L	0.0040	0.0020	1	10/16/15 15:49	10/27/15 10:51	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/16/15 15:49	10/27/15 10:51	7440-43-9	
Chromium	<0.0052	mg/L	0.010	0.0052	1	10/16/15 15:49	10/27/15 10:51	7440-47-3	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-5 (5-9)-101315 Lab ID: 40122822030 Collected: 10/13/15 13:50 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/15/15 15:40									
Cobalt	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:51	7440-48-4	
Copper	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:51	7440-50-8	
Iron	<0.050	mg/L	0.10	0.050	1	10/16/15 15:49	10/27/15 10:51	7439-89-6	
Lead	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:51	7439-92-1	
Manganese	1.8	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:51	7439-96-5	
Nickel	0.0077J	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:51	7440-02-0	
Selenium	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:51	7782-49-2	
Silver	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 10:51	7440-22-4	
Zinc	0.015J	mg/L	0.020	0.010	1	10/16/15 15:49	10/27/15 10:51	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.33	ug/L	0.67	0.33	1	10/20/15 19:24	10/21/15 12:09	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/15/15 15:40									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/20/15 19:25	10/21/15 13:57	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.011J	mg/kg	0.21	0.0041	1	10/16/15 20:04	10/16/15 22:59	7439-97-6	CU
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<64.8	ug/kg	216	64.8	1	10/16/15 12:33	10/20/15 10:32	83-32-9	
Acenaphthylene	<65.2	ug/kg	217	65.2	1	10/16/15 12:33	10/20/15 10:32	208-96-8	
Anthracene	<29.2	ug/kg	97.3	29.2	1	10/16/15 12:33	10/20/15 10:32	120-12-7	
Benzo(a)anthracene	<28.3	ug/kg	94.3	28.3	1	10/16/15 12:33	10/20/15 10:32	56-55-3	
Benzo(a)pyrene	<27.5	ug/kg	91.6	27.5	1	10/16/15 12:33	10/20/15 10:32	50-32-8	
Benzo(b)fluoranthene	<31.4	ug/kg	105	31.4	1	10/16/15 12:33	10/20/15 10:32	205-99-2	
Benzo(g,h,i)perylene	<47.8	ug/kg	159	47.8	1	10/16/15 12:33	10/20/15 10:32	191-24-2	
Benzo(k)fluoranthene	<43.7	ug/kg	146	43.7	1	10/16/15 12:33	10/20/15 10:32	207-08-9	
4-Bromophenylphenyl ether	<38.3	ug/kg	128	38.3	1	10/16/15 12:33	10/20/15 10:32	101-55-3	
Butylbenzylphthalate	<29.3	ug/kg	97.6	29.3	1	10/16/15 12:33	10/20/15 10:32	85-68-7	
Carbazole	<28.6	ug/kg	95.3	28.6	1	10/16/15 12:33	10/20/15 10:32	86-74-8	
4-Chloro-3-methylphenol	<56.8	ug/kg	189	56.8	1	10/16/15 12:33	10/20/15 10:32	59-50-7	
4-Chloroaniline	<30.0	ug/kg	100	30.0	1	10/16/15 12:33	10/20/15 10:32	106-47-8	
bis(2-Chloroethoxy)methane	<49.2	ug/kg	164	49.2	1	10/16/15 12:33	10/20/15 10:32	111-91-1	
bis(2-Chloroethyl) ether	<57.0	ug/kg	190	57.0	1	10/16/15 12:33	10/20/15 10:32	111-44-4	
2-Chloronaphthalene	<23.5	ug/kg	78.2	23.5	1	10/16/15 12:33	10/20/15 10:32	91-58-7	
2-Chlorophenol	<45.6	ug/kg	152	45.6	1	10/16/15 12:33	10/20/15 10:32	95-57-8	
4-Chlorophenylphenyl ether	<34.0	ug/kg	113	34.0	1	10/16/15 12:33	10/20/15 10:32	7005-72-3	
Chrysene	<27.3	ug/kg	91.0	27.3	1	10/16/15 12:33	10/20/15 10:32	218-01-9	
Dibenz(a,h)anthracene	<49.6	ug/kg	165	49.6	1	10/16/15 12:33	10/20/15 10:32	53-70-3	
Dibenzofuran	<22.1	ug/kg	73.7	22.1	1	10/16/15 12:33	10/20/15 10:32	132-64-9	
1,2-Dichlorobenzene	<57.4	ug/kg	191	57.4	1	10/16/15 12:33	10/20/15 10:32	95-50-1	
1,3-Dichlorobenzene	<25.3	ug/kg	84.3	25.3	1	10/16/15 12:33	10/20/15 10:32	541-73-1	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-5 (5-9)-101315 **Lab ID:** 4012282030 Collected: 10/13/15 13:50 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,4-Dichlorobenzene	<25.4	ug/kg	84.8	25.4	1	10/16/15 12:33	10/20/15 10:32	106-46-7	
3,3'-Dichlorobenzidine	<49.6	ug/kg	165	49.6	1	10/16/15 12:33	10/20/15 10:32	91-94-1	
2,4-Dichlorophenol	<48.8	ug/kg	163	48.8	1	10/16/15 12:33	10/20/15 10:32	120-83-2	
Diethylphthalate	<30.3	ug/kg	101	30.3	1	10/16/15 12:33	10/20/15 10:32	84-66-2	
2,4-Dimethylphenol	<36.1	ug/kg	120	36.1	1	10/16/15 12:33	10/20/15 10:32	105-67-9	
Dimethylphthalate	<23.8	ug/kg	79.2	23.8	1	10/16/15 12:33	10/20/15 10:32	131-11-3	
Di-n-butylphthalate	<27.3	ug/kg	91.0	27.3	1	10/16/15 12:33	10/20/15 10:32	84-74-2	
4,6-Dinitro-2-methylphenol	<56.3	ug/kg	188	56.3	1	10/16/15 12:33	10/20/15 10:32	534-52-1	
2,4-Dinitrophenol	<55.6	ug/kg	185	55.6	1	10/16/15 12:33	10/20/15 10:32	51-28-5	
2,4-Dinitrotoluene	<26.1	ug/kg	87.1	26.1	1	10/16/15 12:33	10/20/15 10:32	121-14-2	
2,6-Dinitrotoluene	<34.7	ug/kg	116	34.7	1	10/16/15 12:33	10/20/15 10:32	606-20-2	
Di-n-octylphthalate	<41.1	ug/kg	137	41.1	1	10/16/15 12:33	10/20/15 10:32	117-84-0	
bis(2-Ethylhexyl)phthalate	<30.4	ug/kg	101	30.4	1	10/16/15 12:33	10/20/15 10:32	117-81-7	
Fluoranthene	<25.8	ug/kg	86.2	25.8	1	10/16/15 12:33	10/20/15 10:32	206-44-0	
Fluorene	<21.3	ug/kg	71.2	21.3	1	10/16/15 12:33	10/20/15 10:32	86-73-7	
Hexachloro-1,3-butadiene	<46.5	ug/kg	155	46.5	1	10/16/15 12:33	10/20/15 10:32	87-68-3	
Hexachlorobenzene	<30.7	ug/kg	102	30.7	1	10/16/15 12:33	10/20/15 10:32	118-74-1	
Hexachlorocyclopentadiene	<43.2	ug/kg	144	43.2	1	10/16/15 12:33	10/20/15 10:32	77-47-4	
Hexachloroethane	<29.2	ug/kg	97.4	29.2	1	10/16/15 12:33	10/20/15 10:32	67-72-1	
Indeno(1,2,3-cd)pyrene	48.6J	ug/kg	132	39.5	1	10/16/15 12:33	10/20/15 10:32	193-39-5	
Isophorone	<28.1	ug/kg	93.6	28.1	1	10/16/15 12:33	10/20/15 10:32	78-59-1	
2-Methylnaphthalene	<47.4	ug/kg	158	47.4	1	10/16/15 12:33	10/20/15 10:32	91-57-6	
2-Methylphenol(o-Cresol)	<33.2	ug/kg	111	33.2	1	10/16/15 12:33	10/20/15 10:32	95-48-7	
3&4-Methylphenol(m&p Cresol)	<33.5	ug/kg	112	33.5	1	10/16/15 12:33	10/20/15 10:32		
Naphthalene	<63.9	ug/kg	213	63.9	1	10/16/15 12:33	10/20/15 10:32	91-20-3	
2-Nitroaniline	<52.1	ug/kg	174	52.1	1	10/16/15 12:33	10/20/15 10:32	88-74-4	
3-Nitroaniline	<31.1	ug/kg	104	31.1	1	10/16/15 12:33	10/20/15 10:32	99-09-2	
4-Nitroaniline	<75.8	ug/kg	253	75.8	1	10/16/15 12:33	10/20/15 10:32	100-01-6	
Nitrobenzene	<37.0	ug/kg	123	37.0	1	10/16/15 12:33	10/20/15 10:32	98-95-3	
2-Nitrophenol	<57.6	ug/kg	192	57.6	1	10/16/15 12:33	10/20/15 10:32	88-75-5	
4-Nitrophenol	<46.0	ug/kg	153	46.0	1	10/16/15 12:33	10/20/15 10:32	100-02-7	
N-Nitroso-di-n-propylamine	<29.0	ug/kg	96.6	29.0	1	10/16/15 12:33	10/20/15 10:32	621-64-7	
N-Nitrosodiphenylamine	<248	ug/kg	826	248	1	10/16/15 12:33	10/20/15 10:32	86-30-6	
2,2'-Oxybis(1-chloropropane)	<47.1	ug/kg	157	47.1	1	10/16/15 12:33	10/20/15 10:32	108-60-1	
Pentachlorophenol	<40.2	ug/kg	134	40.2	1	10/16/15 12:33	10/20/15 10:32	87-86-5	
Phenanthrene	<23.4	ug/kg	78.1	23.4	1	10/16/15 12:33	10/20/15 10:32	85-01-8	
Phenol	<43.3	ug/kg	144	43.3	1	10/16/15 12:33	10/20/15 10:32	108-95-2	
Pyrene	<40.5	ug/kg	135	40.5	1	10/16/15 12:33	10/20/15 10:32	129-00-0	
1,2,4-Trichlorobenzene	<20.6	ug/kg	68.8	20.6	1	10/16/15 12:33	10/20/15 10:32	120-82-1	
2,4,5-Trichlorophenol	<32.3	ug/kg	108	32.3	1	10/16/15 12:33	10/20/15 10:32	95-95-4	
2,4,6-Trichlorophenol	<27.9	ug/kg	92.8	27.9	1	10/16/15 12:33	10/20/15 10:32	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	61	%	45-130		1	10/16/15 12:33	10/20/15 10:32	4165-60-0	
2-Fluorobiphenyl (S)	63	%	51-130		1	10/16/15 12:33	10/20/15 10:32	321-60-8	
Terphenyl-d14 (S)	75	%	37-134		1	10/16/15 12:33	10/20/15 10:32	1718-51-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-5 (5-9)-101315 **Lab ID: 4012282030** Collected: 10/13/15 13:50 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Phenol-d6 (S)	72	%	36-130		1	10/16/15 12:33	10/20/15 10:32	13127-88-3	
2-Fluorophenol (S)	64	%	37-130		1	10/16/15 12:33	10/20/15 10:32	367-12-4	
2,4,6-Tribromophenol (S)	63	%	30-130		1	10/16/15 12:33	10/20/15 10:32	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.1	ug/kg	13.2	4.1	1	10/16/15 12:00	10/16/15 11:20	67-64-1	2q
Benzene	<1.1	ug/kg	3.3	1.1	1	10/16/15 12:00	10/16/15 11:20	71-43-2	
Bromodichloromethane	<0.72	ug/kg	3.3	0.72	1	10/16/15 12:00	10/16/15 11:20	75-27-4	
Bromoform	<0.56	ug/kg	3.3	0.56	1	10/16/15 12:00	10/16/15 11:20	75-25-2	
Bromomethane	<0.99	ug/kg	6.6	0.99	1	10/16/15 12:00	10/16/15 11:20	74-83-9	
2-Butanone (MEK)	<1.9	ug/kg	13.2	1.9	1	10/16/15 12:00	10/16/15 11:20	78-93-3	
Carbon disulfide	<0.85	ug/kg	3.3	0.85	1	10/16/15 12:00	10/16/15 11:20	75-15-0	
Carbon tetrachloride	<1.0	ug/kg	3.3	1.0	1	10/16/15 12:00	10/16/15 11:20	56-23-5	
Chlorobenzene	<1.0	ug/kg	3.3	1.0	1	10/16/15 12:00	10/16/15 11:20	108-90-7	
Chloroethane	<1.3	ug/kg	3.3	1.3	1	10/16/15 12:00	10/16/15 11:20	75-00-3	
Chloroform	<0.62	ug/kg	3.3	0.62	1	10/16/15 12:00	10/16/15 11:20	67-66-3	
Chloromethane	<0.37	ug/kg	3.3	0.37	1	10/16/15 12:00	10/16/15 11:20	74-87-3	
Dibromochloromethane	<1.1	ug/kg	3.3	1.1	1	10/16/15 12:00	10/16/15 11:20	124-48-1	
1,1-Dichloroethane	<1.6	ug/kg	3.3	1.6	1	10/16/15 12:00	10/16/15 11:20	75-34-3	
1,2-Dichloroethane	<0.65	ug/kg	3.3	0.65	1	10/16/15 12:00	10/16/15 11:20	107-06-2	
1,1-Dichloroethene	<1.5	ug/kg	3.3	1.5	1	10/16/15 12:00	10/16/15 11:20	75-35-4	
cis-1,2-Dichloroethene	<0.87	ug/kg	3.3	0.87	1	10/16/15 12:00	10/16/15 11:20	156-59-2	
trans-1,2-Dichloroethene	<0.81	ug/kg	3.3	0.81	1	10/16/15 12:00	10/16/15 11:20	156-60-5	
1,2-Dichloropropane	<0.83	ug/kg	3.3	0.83	1	10/16/15 12:00	10/16/15 11:20	78-87-5	
cis-1,3-Dichloropropene	<0.44	ug/kg	3.3	0.44	1	10/16/15 12:00	10/16/15 11:20	10061-01-5	
trans-1,3-Dichloropropene	<0.61	ug/kg	3.3	0.61	1	10/16/15 12:00	10/16/15 11:20	10061-02-6	
Ethylbenzene	<0.95	ug/kg	3.3	0.95	1	10/16/15 12:00	10/16/15 11:20	100-41-4	
2-Hexanone	<0.98	ug/kg	3.3	0.98	1	10/16/15 12:00	10/16/15 11:20	591-78-6	
Methylene Chloride	<1.2	ug/kg	3.3	1.2	1	10/16/15 12:00	10/16/15 11:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.81	ug/kg	3.3	0.81	1	10/16/15 12:00	10/16/15 11:20	108-10-1	
Methyl-tert-butyl ether	<0.66	ug/kg	3.3	0.66	1	10/16/15 12:00	10/16/15 11:20	1634-04-4	
Styrene	<0.50	ug/kg	3.3	0.50	1	10/16/15 12:00	10/16/15 11:20	100-42-5	
1,1,2,2-Tetrachloroethane	<1.4	ug/kg	3.3	1.4	1	10/16/15 12:00	10/16/15 11:20	79-34-5	
Tetrachloroethene	<1.0	ug/kg	3.3	1.0	1	10/16/15 12:00	10/16/15 11:20	127-18-4	
Toluene	<0.98	ug/kg	3.3	0.98	1	10/16/15 12:00	10/16/15 11:20	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/kg	3.3	1.0	1	10/16/15 12:00	10/16/15 11:20	71-55-6	
1,1,2-Trichloroethane	<1.3	ug/kg	3.3	1.3	1	10/16/15 12:00	10/16/15 11:20	79-00-5	
Trichloroethene	<1.3	ug/kg	3.3	1.3	1	10/16/15 12:00	10/16/15 11:20	79-01-6	
Vinyl chloride	<0.36	ug/kg	3.3	0.36	1	10/16/15 12:00	10/16/15 11:20	75-01-4	
Xylene (Total)	<3.0	ug/kg	9.9	3.0	1	10/16/15 12:00	10/16/15 11:20	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	104	%	70-130		1	10/16/15 12:00	10/16/15 11:20	1868-53-7	
Toluene-d8 (S)	106	%	67-138		1	10/16/15 12:00	10/16/15 11:20	2037-26-5	
4-Bromofluorobenzene (S)	86	%	68-130		1	10/16/15 12:00	10/16/15 11:20	460-00-4	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-5 (5-9)-101315 **Lab ID: 40122822030** Collected: 10/13/15 13:50 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	8.6	%	0.10	0.10	1		10/14/15 19:35		
9045 pH Soil									
Analytical Method: EPA 9045									
pH at 25 Degrees C	8.41	Std. Units	0.100	0.0100	1		10/15/15 20:45		H6

Revised 11/05/15 16:39

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-6 (0-5)-101315 Lab ID: 4012282031 Collected: 10/13/15 14:30 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.54	mg/kg	1.1	0.54	1	10/20/15 07:39	10/20/15 18:42	7440-36-0	
Arsenic	3.5	mg/kg	1.1	0.54	1	10/20/15 07:39	10/20/15 18:42	7440-38-2	
Barium	42.9	mg/kg	1.1	0.54	1	10/20/15 07:39	10/20/15 18:42	7440-39-3	
Beryllium	<0.27	mg/kg	0.54	0.27	1	10/20/15 07:39	10/20/15 18:42	7440-41-7	
Cadmium	0.38J	mg/kg	0.54	0.27	1	10/20/15 07:39	10/20/15 18:42	7440-43-9	
Calcium	99100	mg/kg	1090	543	20	10/20/15 07:39	10/20/15 21:58	7440-70-2	4q
Chromium	10.4	mg/kg	1.1	0.54	1	10/20/15 07:39	10/20/15 18:42	7440-47-3	
Cobalt	4.1	mg/kg	1.1	0.54	1	10/20/15 07:39	10/20/15 18:42	7440-48-4	
Copper	14.3	mg/kg	1.1	0.54	1	10/20/15 07:39	10/20/15 18:42	7440-50-8	
Iron	9800	mg/kg	54.3	27.2	1	10/20/15 07:39	10/20/15 18:42	7439-89-6	
Lead	67.0	mg/kg	1.1	0.54	1	10/20/15 07:39	10/20/15 18:42	7439-92-1	
Magnesium	52600	mg/kg	1090	543	20	10/20/15 07:39	10/20/15 21:58	7439-95-4	
Manganese	350	mg/kg	1.1	0.54	1	10/20/15 07:39	10/20/15 18:42	7439-96-5	
Nickel	8.4	mg/kg	1.1	0.54	1	10/20/15 07:39	10/20/15 18:42	7440-02-0	
Potassium	742	mg/kg	54.3	27.2	1	10/20/15 07:39	10/20/15 18:42	7440-09-7	
Selenium	<0.54	mg/kg	1.1	0.54	1	10/20/15 07:39	10/20/15 18:42	7782-49-2	
Silver	<0.27	mg/kg	0.54	0.27	1	10/20/15 07:39	10/20/15 18:42	7440-22-4	
Sodium	565	mg/kg	54.3	27.2	1	10/20/15 07:39	10/20/15 18:42	7440-23-5	
Thallium	1.2	mg/kg	1.1	0.54	1	10/20/15 07:39	10/20/15 18:42	7440-28-0	
Vanadium	13.0	mg/kg	1.1	0.54	1	10/20/15 07:39	10/20/15 18:42	7440-62-2	
Zinc	49.0	mg/kg	1.1	0.54	1	10/20/15 07:39	10/20/15 18:42	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/16/15 05:06

Arsenic	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:01	7440-38-2	
Barium	0.73	mg/L	0.50	0.25	1	10/19/15 16:46	10/22/15 16:01	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:01	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/19/15 16:46	10/22/15 16:01	7440-43-9	
Chromium	0.037J	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:01	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:01	7440-48-4	
Copper	0.056	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:01	7440-50-8	
Iron	27.9	mg/L	0.50	0.25	1	10/19/15 16:46	10/22/15 16:01	7439-89-6	
Lead	0.15	mg/L	0.0075	0.0038	1	10/19/15 16:46	10/22/15 16:01	7439-92-1	
Manganese	0.41	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:01	7439-96-5	
Nickel	0.028J	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:01	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:01	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:01	7440-22-4	
Zinc	0.33	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:01	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/16/15 04:58

Arsenic	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:09	7440-38-2	
Barium	0.47J	mg/L	0.50	0.25	1	10/19/15 15:36	10/22/15 15:09	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:09	7440-41-7	
Cadmium	0.0035J	mg/L	0.0050	0.0025	1	10/19/15 15:36	10/22/15 15:09	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-6 (0-5)-101315 Lab ID: 4012282031 Collected: 10/13/15 14:30 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/16/15 04:58									
Chromium	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:09	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:09	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:09	7440-50-8	
Iron	<0.25	mg/L	0.50	0.25	1	10/19/15 15:36	10/22/15 15:09	7439-89-6	
Lead	0.016	mg/L	0.0075	0.0030	1	10/19/15 15:36	10/22/15 15:09	7439-92-1	
Manganese	1.3	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:09	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:09	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:09	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:09	7440-22-4	
Zinc	0.13	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:09	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/16/15 05:06									
Mercury	0.74	ug/L	0.20	0.10	1	10/19/15 13:35	10/20/15 10:17	7439-97-6	M0
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/16/15 04:59									
Mercury	<0.10	ug/L	0.20	0.10	1	10/19/15 13:35	10/20/15 10:58	7439-97-6	M0
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.0080J	mg/kg	0.21	0.0043	1	10/19/15 14:39	10/19/15 23:11	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<67.2	ug/kg	224	67.2	1	10/16/15 12:33	10/20/15 11:04	83-32-9	
Acenaphthylene	<67.6	ug/kg	225	67.6	1	10/16/15 12:33	10/20/15 11:04	208-96-8	
Anthracene	<30.3	ug/kg	101	30.3	1	10/16/15 12:33	10/20/15 11:04	120-12-7	
Benzo(a)anthracene	172	ug/kg	97.8	29.3	1	10/16/15 12:33	10/20/15 11:04	56-55-3	
Benzo(a)pyrene	185	ug/kg	95.0	28.5	1	10/16/15 12:33	10/20/15 11:04	50-32-8	
Benzo(b)fluoranthene	189	ug/kg	109	32.6	1	10/16/15 12:33	10/20/15 11:04	205-99-2	
Benzo(g,h,i)perylene	177	ug/kg	165	49.6	1	10/16/15 12:33	10/20/15 11:04	191-24-2	
Benzo(k)fluoranthene	205	ug/kg	151	45.4	1	10/16/15 12:33	10/20/15 11:04	207-08-9	
4-Bromophenylphenyl ether	<39.7	ug/kg	132	39.7	1	10/16/15 12:33	10/20/15 11:04	101-55-3	
Butylbenzylphthalate	<30.4	ug/kg	101	30.4	1	10/16/15 12:33	10/20/15 11:04	85-68-7	
Carbazole	<29.7	ug/kg	98.9	29.7	1	10/16/15 12:33	10/20/15 11:04	86-74-8	
4-Chloro-3-methylphenol	<59.0	ug/kg	197	59.0	1	10/16/15 12:33	10/20/15 11:04	59-50-7	
4-Chloroaniline	<31.1	ug/kg	104	31.1	1	10/16/15 12:33	10/20/15 11:04	106-47-8	
bis(2-Chloroethoxy)methane	<51.0	ug/kg	170	51.0	1	10/16/15 12:33	10/20/15 11:04	111-91-1	
bis(2-Chloroethyl) ether	<59.2	ug/kg	197	59.2	1	10/16/15 12:33	10/20/15 11:04	111-44-4	
2-Chloronaphthalene	<24.3	ug/kg	81.1	24.3	1	10/16/15 12:33	10/20/15 11:04	91-58-7	
2-Chlorophenol	<47.3	ug/kg	158	47.3	1	10/16/15 12:33	10/20/15 11:04	95-57-8	
4-Chlorophenylphenyl ether	<35.3	ug/kg	118	35.3	1	10/16/15 12:33	10/20/15 11:04	7005-72-3	
Chrysene	215	ug/kg	94.4	28.3	1	10/16/15 12:33	10/20/15 11:04	218-01-9	
Dibenz(a,h)anthracene	54.4J	ug/kg	172	51.5	1	10/16/15 12:33	10/20/15 11:04	53-70-3	
Dibenzofuran	<22.9	ug/kg	76.5	22.9	1	10/16/15 12:33	10/20/15 11:04	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-6 (0-5)-101315 Lab ID: 4012282031 Collected: 10/13/15 14:30 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<59.6	ug/kg	199	59.6	1	10/16/15 12:33	10/20/15 11:04	95-50-1	
1,3-Dichlorobenzene	<26.2	ug/kg	87.5	26.2	1	10/16/15 12:33	10/20/15 11:04	541-73-1	
1,4-Dichlorobenzene	<26.4	ug/kg	88.0	26.4	1	10/16/15 12:33	10/20/15 11:04	106-46-7	
3,3'-Dichlorobenzidine	<51.4	ug/kg	171	51.4	1	10/16/15 12:33	10/20/15 11:04	91-94-1	
2,4-Dichlorophenol	<50.6	ug/kg	169	50.6	1	10/16/15 12:33	10/20/15 11:04	120-83-2	
Diethylphthalate	<31.4	ug/kg	105	31.4	1	10/16/15 12:33	10/20/15 11:04	84-66-2	
2,4-Dimethylphenol	<37.5	ug/kg	125	37.5	1	10/16/15 12:33	10/20/15 11:04	105-67-9	
Dimethylphthalate	70.5J	ug/kg	82.2	24.6	1	10/16/15 12:33	10/20/15 11:04	131-11-3	
Di-n-butylphthalate	<28.3	ug/kg	94.4	28.3	1	10/16/15 12:33	10/20/15 11:04	84-74-2	
4,6-Dinitro-2-methylphenol	<58.4	ug/kg	195	58.4	1	10/16/15 12:33	10/20/15 11:04	534-52-1	
2,4-Dinitrophenol	<57.7	ug/kg	192	57.7	1	10/16/15 12:33	10/20/15 11:04	51-28-5	
2,4-Dinitrotoluene	<27.1	ug/kg	90.3	27.1	1	10/16/15 12:33	10/20/15 11:04	121-14-2	
2,6-Dinitrotoluene	<36.0	ug/kg	120	36.0	1	10/16/15 12:33	10/20/15 11:04	606-20-2	
Di-n-octylphthalate	552	ug/kg	142	42.6	1	10/16/15 12:33	10/20/15 11:04	117-84-0	
bis(2-Ethylhexyl)phthalate	1360	ug/kg	105	31.5	1	10/16/15 12:33	10/20/15 11:04	117-81-7	
Fluoranthene	329	ug/kg	89.4	26.8	1	10/16/15 12:33	10/20/15 11:04	206-44-0	
Fluorene	<22.1	ug/kg	73.8	22.1	1	10/16/15 12:33	10/20/15 11:04	86-73-7	
Hexachloro-1,3-butadiene	<48.3	ug/kg	161	48.3	1	10/16/15 12:33	10/20/15 11:04	87-68-3	
Hexachlorobenzene	<31.9	ug/kg	106	31.9	1	10/16/15 12:33	10/20/15 11:04	118-74-1	
Hexachlorocyclopentadiene	<44.8	ug/kg	149	44.8	1	10/16/15 12:33	10/20/15 11:04	77-47-4	
Hexachloroethane	<30.3	ug/kg	101	30.3	1	10/16/15 12:33	10/20/15 11:04	67-72-1	
Indeno(1,2,3-cd)pyrene	163	ug/kg	137	41.0	1	10/16/15 12:33	10/20/15 11:04	193-39-5	
Isophorone	<29.1	ug/kg	97.1	29.1	1	10/16/15 12:33	10/20/15 11:04	78-59-1	
2-Methylnaphthalene	<49.2	ug/kg	164	49.2	1	10/16/15 12:33	10/20/15 11:04	91-57-6	
2-Methylphenol(o-Cresol)	<34.4	ug/kg	115	34.4	1	10/16/15 12:33	10/20/15 11:04	95-48-7	
3&4-Methylphenol(m&p Cresol)	<34.7	ug/kg	116	34.7	1	10/16/15 12:33	10/20/15 11:04		
Naphthalene	<66.3	ug/kg	221	66.3	1	10/16/15 12:33	10/20/15 11:04	91-20-3	
2-Nitroaniline	<54.0	ug/kg	180	54.0	1	10/16/15 12:33	10/20/15 11:04	88-74-4	
3-Nitroaniline	<32.2	ug/kg	107	32.2	1	10/16/15 12:33	10/20/15 11:04	99-09-2	
4-Nitroaniline	<78.6	ug/kg	262	78.6	1	10/16/15 12:33	10/20/15 11:04	100-01-6	
Nitrobenzene	<38.4	ug/kg	128	38.4	1	10/16/15 12:33	10/20/15 11:04	98-95-3	
2-Nitrophenol	<59.8	ug/kg	199	59.8	1	10/16/15 12:33	10/20/15 11:04	88-75-5	
4-Nitrophenol	<47.7	ug/kg	159	47.7	1	10/16/15 12:33	10/20/15 11:04	100-02-7	
N-Nitroso-di-n-propylamine	<30.1	ug/kg	100	30.1	1	10/16/15 12:33	10/20/15 11:04	621-64-7	
N-Nitrosodiphenylamine	<257	ug/kg	857	257	1	10/16/15 12:33	10/20/15 11:04	86-30-6	
2,2'-Oxybis(1-chloropropane)	<48.9	ug/kg	163	48.9	1	10/16/15 12:33	10/20/15 11:04	108-60-1	
Pentachlorophenol	<41.7	ug/kg	139	41.7	1	10/16/15 12:33	10/20/15 11:04	87-86-5	
Phenanthrene	160	ug/kg	81.0	24.3	1	10/16/15 12:33	10/20/15 11:04	85-01-8	
Phenol	<45.0	ug/kg	150	45.0	1	10/16/15 12:33	10/20/15 11:04	108-95-2	
Pyrene	510	ug/kg	140	42.0	1	10/16/15 12:33	10/20/15 11:04	129-00-0	
1,2,4-Trichlorobenzene	<21.4	ug/kg	71.4	21.4	1	10/16/15 12:33	10/20/15 11:04	120-82-1	
2,4,5-Trichlorophenol	<33.5	ug/kg	112	33.5	1	10/16/15 12:33	10/20/15 11:04	95-95-4	
2,4,6-Trichlorophenol	<28.9	ug/kg	96.3	28.9	1	10/16/15 12:33	10/20/15 11:04	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	47	%	45-130		1	10/16/15 12:33	10/20/15 11:04	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-6 (0-5)-101315 Lab ID: 40122822031 Collected: 10/13/15 14:30 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	60	%	51-130		1	10/16/15 12:33	10/20/15 11:04	321-60-8	
Terphenyl-d14 (S)	115	%	37-134		1	10/16/15 12:33	10/20/15 11:04	1718-51-0	
Phenol-d6 (S)	57	%	36-130		1	10/16/15 12:33	10/20/15 11:04	13127-88-3	
2-Fluorophenol (S)	42	%	37-130		1	10/16/15 12:33	10/20/15 11:04	367-12-4	
2,4,6-Tribromophenol (S)	68	%	30-130		1	10/16/15 12:33	10/20/15 11:04	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.8	ug/kg	15.4	4.8	1	10/16/15 12:00	10/16/15 11:42	67-64-1	2q
Benzene	<1.2	ug/kg	3.9	1.2	1	10/16/15 12:00	10/16/15 11:42	71-43-2	
Bromodichloromethane	<0.84	ug/kg	3.9	0.84	1	10/16/15 12:00	10/16/15 11:42	75-27-4	
Bromoform	<0.65	ug/kg	3.9	0.65	1	10/16/15 12:00	10/16/15 11:42	75-25-2	
Bromomethane	<1.2	ug/kg	7.7	1.2	1	10/16/15 12:00	10/16/15 11:42	74-83-9	
2-Butanone (MEK)	<2.2	ug/kg	15.4	2.2	1	10/16/15 12:00	10/16/15 11:42	78-93-3	
Carbon disulfide	<0.99	ug/kg	3.9	0.99	1	10/16/15 12:00	10/16/15 11:42	75-15-0	
Carbon tetrachloride	<1.2	ug/kg	3.9	1.2	1	10/16/15 12:00	10/16/15 11:42	56-23-5	
Chlorobenzene	<1.2	ug/kg	3.9	1.2	1	10/16/15 12:00	10/16/15 11:42	108-90-7	
Chloroethane	<1.5	ug/kg	3.9	1.5	1	10/16/15 12:00	10/16/15 11:42	75-00-3	
Chloroform	<0.73	ug/kg	3.9	0.73	1	10/16/15 12:00	10/16/15 11:42	67-66-3	
Chloromethane	<0.43	ug/kg	3.9	0.43	1	10/16/15 12:00	10/16/15 11:42	74-87-3	
Dibromochloromethane	<1.3	ug/kg	3.9	1.3	1	10/16/15 12:00	10/16/15 11:42	124-48-1	
1,1-Dichloroethane	<1.8	ug/kg	3.9	1.8	1	10/16/15 12:00	10/16/15 11:42	75-34-3	
1,2-Dichloroethane	<0.76	ug/kg	3.9	0.76	1	10/16/15 12:00	10/16/15 11:42	107-06-2	
1,1-Dichloroethene	<1.7	ug/kg	3.9	1.7	1	10/16/15 12:00	10/16/15 11:42	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/kg	3.9	1.0	1	10/16/15 12:00	10/16/15 11:42	156-59-2	
trans-1,2-Dichloroethene	<0.95	ug/kg	3.9	0.95	1	10/16/15 12:00	10/16/15 11:42	156-60-5	
1,2-Dichloropropane	<0.97	ug/kg	3.9	0.97	1	10/16/15 12:00	10/16/15 11:42	78-87-5	
cis-1,3-Dichloropropene	<0.51	ug/kg	3.9	0.51	1	10/16/15 12:00	10/16/15 11:42	10061-01-5	
trans-1,3-Dichloropropene	<0.71	ug/kg	3.9	0.71	1	10/16/15 12:00	10/16/15 11:42	10061-02-6	
Ethylbenzene	<1.1	ug/kg	3.9	1.1	1	10/16/15 12:00	10/16/15 11:42	100-41-4	
2-Hexanone	<1.1	ug/kg	3.9	1.1	1	10/16/15 12:00	10/16/15 11:42	591-78-6	
Methylene Chloride	<1.4	ug/kg	3.9	1.4	1	10/16/15 12:00	10/16/15 11:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.94	ug/kg	3.9	0.94	1	10/16/15 12:00	10/16/15 11:42	108-10-1	
Methyl-tert-butyl ether	<0.77	ug/kg	3.9	0.77	1	10/16/15 12:00	10/16/15 11:42	1634-04-4	
Styrene	<0.58	ug/kg	3.9	0.58	1	10/16/15 12:00	10/16/15 11:42	100-42-5	
1,1,2,2-Tetrachloroethane	<1.6	ug/kg	3.9	1.6	1	10/16/15 12:00	10/16/15 11:42	79-34-5	
Tetrachloroethene	<1.2	ug/kg	3.9	1.2	1	10/16/15 12:00	10/16/15 11:42	127-18-4	
Toluene	<1.1	ug/kg	3.9	1.1	1	10/16/15 12:00	10/16/15 11:42	108-88-3	
1,1,1-Trichloroethane	<1.2	ug/kg	3.9	1.2	1	10/16/15 12:00	10/16/15 11:42	71-55-6	
1,1,2-Trichloroethane	<1.5	ug/kg	3.9	1.5	1	10/16/15 12:00	10/16/15 11:42	79-00-5	
Trichloroethene	<1.5	ug/kg	3.9	1.5	1	10/16/15 12:00	10/16/15 11:42	79-01-6	
Vinyl chloride	<0.42	ug/kg	3.9	0.42	1	10/16/15 12:00	10/16/15 11:42	75-01-4	
Xylene (Total)	<3.5	ug/kg	11.6	3.5	1	10/16/15 12:00	10/16/15 11:42	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	109	%	70-130		1	10/16/15 12:00	10/16/15 11:42	1868-53-7	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-6 (0-5)-101315 **Lab ID: 40122822031** Collected: 10/13/15 14:30 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	118	%	67-138		1	10/16/15 12:00	10/16/15 11:42	2037-26-5	
4-Bromofluorobenzene (S)	73	%	68-130		1	10/16/15 12:00	10/16/15 11:42	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	11.9	%	0.10	0.10	1		10/14/15 19:36		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.68	Std. Units	0.100	0.0100	1		10/15/15 20:45		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-6 (0-5)-101315D Lab ID: 40122822032 Collected: 10/13/15 14:30 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.52	mg/kg	1.0	0.52	1	10/20/15 07:39	10/20/15 18:44	7440-36-0	
Arsenic	6.2	mg/kg	1.0	0.52	1	10/20/15 07:39	10/20/15 18:44	7440-38-2	
Barium	56.3	mg/kg	1.0	0.52	1	10/20/15 07:39	10/20/15 18:44	7440-39-3	
Beryllium	0.45J	mg/kg	0.52	0.26	1	10/20/15 07:39	10/20/15 18:44	7440-41-7	
Cadmium	0.49J	mg/kg	0.52	0.26	1	10/20/15 07:39	10/20/15 18:44	7440-43-9	
Calcium	54800	mg/kg	1050	523	20	10/20/15 07:39	10/20/15 22:00	7440-70-2	4q
Chromium	13.0	mg/kg	1.0	0.52	1	10/20/15 07:39	10/20/15 18:44	7440-47-3	
Cobalt	5.9	mg/kg	1.0	0.52	1	10/20/15 07:39	10/20/15 18:44	7440-48-4	
Copper	17.8	mg/kg	1.0	0.52	1	10/20/15 07:39	10/20/15 18:44	7440-50-8	
Iron	13300	mg/kg	52.3	26.1	1	10/20/15 07:39	10/20/15 18:44	7439-89-6	
Lead	48.6	mg/kg	1.0	0.52	1	10/20/15 07:39	10/20/15 18:44	7439-92-1	
Magnesium	30400	mg/kg	1050	523	20	10/20/15 07:39	10/20/15 22:00	7439-95-4	
Manganese	410	mg/kg	1.0	0.52	1	10/20/15 07:39	10/20/15 18:44	7439-96-5	
Nickel	13.0	mg/kg	1.0	0.52	1	10/20/15 07:39	10/20/15 18:44	7440-02-0	
Potassium	1180	mg/kg	52.3	26.1	1	10/20/15 07:39	10/20/15 18:44	7440-09-7	
Selenium	<0.52	mg/kg	1.0	0.52	1	10/20/15 07:39	10/20/15 18:44	7782-49-2	
Silver	<0.26	mg/kg	0.52	0.26	1	10/20/15 07:39	10/20/15 18:44	7440-22-4	
Sodium	951	mg/kg	52.3	26.1	1	10/20/15 07:39	10/20/15 18:44	7440-23-5	
Thallium	1.1	mg/kg	1.0	0.52	1	10/20/15 07:39	10/20/15 18:44	7440-28-0	
Vanadium	21.7	mg/kg	1.0	0.52	1	10/20/15 07:39	10/20/15 18:44	7440-62-2	
Zinc	55.0	mg/kg	1.0	0.52	1	10/20/15 07:39	10/20/15 18:44	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/16/15 05:06

Arsenic	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:03	7440-38-2	
Barium	0.60	mg/L	0.50	0.25	1	10/19/15 16:46	10/22/15 16:03	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:03	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/19/15 16:46	10/22/15 16:03	7440-43-9	
Chromium	0.025J	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:03	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:03	7440-48-4	
Copper	0.029J	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:03	7440-50-8	
Iron	18.3	mg/L	0.50	0.25	1	10/19/15 16:46	10/22/15 16:03	7439-89-6	
Lead	0.096	mg/L	0.0075	0.0038	1	10/19/15 16:46	10/22/15 16:03	7439-92-1	
Manganese	0.27	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:03	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:03	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:03	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:03	7440-22-4	
Zinc	0.26	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:03	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/16/15 04:58

Arsenic	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:12	7440-38-2	
Barium	0.32J	mg/L	0.50	0.25	1	10/19/15 15:36	10/22/15 15:12	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:12	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/19/15 15:36	10/22/15 15:12	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-6 (0-5)-101315D Lab ID: 4012282032 Collected: 10/13/15 14:30 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/16/15 04:58									
Chromium	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:12	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:12	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:12	7440-50-8	
Iron	<0.25	mg/L	0.50	0.25	1	10/19/15 15:36	10/22/15 15:12	7439-89-6	
Lead	0.0097	mg/L	0.0075	0.0030	1	10/19/15 15:36	10/22/15 15:12	7439-92-1	
Manganese	0.82	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:12	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:12	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:12	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:12	7440-22-4	
Zinc	0.10	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:12	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/16/15 05:06									
Mercury	0.40	ug/L	0.20	0.10	1	10/19/15 13:35	10/20/15 10:24	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/16/15 04:59									
Mercury	0.23	ug/L	0.20	0.10	1	10/19/15 13:35	10/20/15 11:10	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.030J	mg/kg	0.22	0.0044	1	10/19/15 14:39	10/19/15 23:13	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<67.0	ug/kg	223	67.0	1	10/16/15 12:33	10/20/15 12:41	83-32-9	
Acenaphthylene	<67.4	ug/kg	225	67.4	1	10/16/15 12:33	10/20/15 12:41	208-96-8	
Anthracene	<30.2	ug/kg	101	30.2	1	10/16/15 12:33	10/20/15 12:41	120-12-7	
Benzo(a)anthracene	98.7	ug/kg	97.5	29.3	1	10/16/15 12:33	10/20/15 12:41	56-55-3	
Benzo(a)pyrene	151	ug/kg	94.7	28.4	1	10/16/15 12:33	10/20/15 12:41	50-32-8	
Benzo(b)fluoranthene	125	ug/kg	108	32.5	1	10/16/15 12:33	10/20/15 12:41	205-99-2	
Benzo(g,h,i)perylene	139J	ug/kg	165	49.4	1	10/16/15 12:33	10/20/15 12:41	191-24-2	
Benzo(k)fluoranthene	145J	ug/kg	151	45.2	1	10/16/15 12:33	10/20/15 12:41	207-08-9	
4-Bromophenylphenyl ether	<39.6	ug/kg	132	39.6	1	10/16/15 12:33	10/20/15 12:41	101-55-3	
Butylbenzylphthalate	<30.3	ug/kg	101	30.3	1	10/16/15 12:33	10/20/15 12:41	85-68-7	
Carbazole	<29.6	ug/kg	98.6	29.6	1	10/16/15 12:33	10/20/15 12:41	86-74-8	
4-Chloro-3-methylphenol	<58.8	ug/kg	196	58.8	1	10/16/15 12:33	10/20/15 12:41	59-50-7	
4-Chloroaniline	<31.0	ug/kg	103	31.0	1	10/16/15 12:33	10/20/15 12:41	106-47-8	
bis(2-Chloroethoxy)methane	<50.9	ug/kg	170	50.9	1	10/16/15 12:33	10/20/15 12:41	111-91-1	
bis(2-Chloroethyl) ether	<59.0	ug/kg	197	59.0	1	10/16/15 12:33	10/20/15 12:41	111-44-4	
2-Chloronaphthalene	<24.3	ug/kg	80.8	24.3	1	10/16/15 12:33	10/20/15 12:41	91-58-7	
2-Chlorophenol	<47.1	ug/kg	157	47.1	1	10/16/15 12:33	10/20/15 12:41	95-57-8	
4-Chlorophenylphenyl ether	<35.2	ug/kg	117	35.2	1	10/16/15 12:33	10/20/15 12:41	7005-72-3	
Chrysene	121	ug/kg	94.1	28.2	1	10/16/15 12:33	10/20/15 12:41	218-01-9	
Dibenz(a,h)anthracene	51.8J	ug/kg	171	51.3	1	10/16/15 12:33	10/20/15 12:41	53-70-3	
Dibenzofuran	<22.9	ug/kg	76.2	22.9	1	10/16/15 12:33	10/20/15 12:41	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-6 (0-5)-101315D **Lab ID: 4012282032** Collected: 10/13/15 14:30 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<59.4	ug/kg	198	59.4	1	10/16/15 12:33	10/20/15 12:41	95-50-1	
1,3-Dichlorobenzene	<26.2	ug/kg	87.2	26.2	1	10/16/15 12:33	10/20/15 12:41	541-73-1	
1,4-Dichlorobenzene	<26.3	ug/kg	87.7	26.3	1	10/16/15 12:33	10/20/15 12:41	106-46-7	
3,3'-Dichlorobenzidine	<51.2	ug/kg	171	51.2	1	10/16/15 12:33	10/20/15 12:41	91-94-1	
2,4-Dichlorophenol	<50.5	ug/kg	168	50.5	1	10/16/15 12:33	10/20/15 12:41	120-83-2	
Diethylphthalate	<31.3	ug/kg	104	31.3	1	10/16/15 12:33	10/20/15 12:41	84-66-2	
2,4-Dimethylphenol	<37.4	ug/kg	125	37.4	1	10/16/15 12:33	10/20/15 12:41	105-67-9	
Dimethylphthalate	<24.6	ug/kg	81.9	24.6	1	10/16/15 12:33	10/20/15 12:41	131-11-3	
Di-n-butylphthalate	<28.2	ug/kg	94.1	28.2	1	10/16/15 12:33	10/20/15 12:41	84-74-2	
4,6-Dinitro-2-methylphenol	<58.2	ug/kg	194	58.2	1	10/16/15 12:33	10/20/15 12:41	534-52-1	
2,4-Dinitrophenol	<57.5	ug/kg	192	57.5	1	10/16/15 12:33	10/20/15 12:41	51-28-5	
2,4-Dinitrotoluene	<27.0	ug/kg	90.0	27.0	1	10/16/15 12:33	10/20/15 12:41	121-14-2	
2,6-Dinitrotoluene	<35.9	ug/kg	120	35.9	1	10/16/15 12:33	10/20/15 12:41	606-20-2	
Di-n-octylphthalate	<42.5	ug/kg	142	42.5	1	10/16/15 12:33	10/20/15 12:41	117-84-0	
bis(2-Ethylhexyl)phthalate	166	ug/kg	105	31.4	1	10/16/15 12:33	10/20/15 12:41	117-81-7	
Fluoranthene	149	ug/kg	89.1	26.7	1	10/16/15 12:33	10/20/15 12:41	206-44-0	
Fluorene	<22.1	ug/kg	73.6	22.1	1	10/16/15 12:33	10/20/15 12:41	86-73-7	
Hexachloro-1,3-butadiene	<48.1	ug/kg	160	48.1	1	10/16/15 12:33	10/20/15 12:41	87-68-3	
Hexachlorobenzene	<31.8	ug/kg	106	31.8	1	10/16/15 12:33	10/20/15 12:41	118-74-1	
Hexachlorocyclopentadiene	<44.7	ug/kg	149	44.7	1	10/16/15 12:33	10/20/15 12:41	77-47-4	
Hexachloroethane	<30.2	ug/kg	101	30.2	1	10/16/15 12:33	10/20/15 12:41	67-72-1	
Indeno(1,2,3-cd)pyrene	128J	ug/kg	136	40.9	1	10/16/15 12:33	10/20/15 12:41	193-39-5	
Isophorone	<29.0	ug/kg	96.8	29.0	1	10/16/15 12:33	10/20/15 12:41	78-59-1	
2-Methylnaphthalene	<49.0	ug/kg	163	49.0	1	10/16/15 12:33	10/20/15 12:41	91-57-6	
2-Methylphenol(o-Cresol)	<34.3	ug/kg	114	34.3	1	10/16/15 12:33	10/20/15 12:41	95-48-7	
3&4-Methylphenol(m&p Cresol)	<34.6	ug/kg	115	34.6	1	10/16/15 12:33	10/20/15 12:41		
Naphthalene	<66.0	ug/kg	220	66.0	1	10/16/15 12:33	10/20/15 12:41	91-20-3	
2-Nitroaniline	<53.8	ug/kg	179	53.8	1	10/16/15 12:33	10/20/15 12:41	88-74-4	
3-Nitroaniline	<32.1	ug/kg	107	32.1	1	10/16/15 12:33	10/20/15 12:41	99-09-2	
4-Nitroaniline	<78.4	ug/kg	261	78.4	1	10/16/15 12:33	10/20/15 12:41	100-01-6	
Nitrobenzene	<38.3	ug/kg	128	38.3	1	10/16/15 12:33	10/20/15 12:41	98-95-3	
2-Nitrophenol	<59.6	ug/kg	199	59.6	1	10/16/15 12:33	10/20/15 12:41	88-75-5	
4-Nitrophenol	<47.6	ug/kg	159	47.6	1	10/16/15 12:33	10/20/15 12:41	100-02-7	
N-Nitroso-di-n-propylamine	<30.0	ug/kg	99.9	30.0	1	10/16/15 12:33	10/20/15 12:41	621-64-7	
N-Nitrosodiphenylamine	<256	ug/kg	854	256	1	10/16/15 12:33	10/20/15 12:41	86-30-6	
2,2'-Oxybis(1-chloropropane)	<48.7	ug/kg	162	48.7	1	10/16/15 12:33	10/20/15 12:41	108-60-1	
Pentachlorophenol	<41.6	ug/kg	139	41.6	1	10/16/15 12:33	10/20/15 12:41	87-86-5	
Phenanthrene	91.8	ug/kg	80.8	24.2	1	10/16/15 12:33	10/20/15 12:41	85-01-8	
Phenol	<44.8	ug/kg	149	44.8	1	10/16/15 12:33	10/20/15 12:41	108-95-2	
Pyrene	310	ug/kg	140	41.9	1	10/16/15 12:33	10/20/15 12:41	129-00-0	
1,2,4-Trichlorobenzene	<21.4	ug/kg	71.2	21.4	1	10/16/15 12:33	10/20/15 12:41	120-82-1	
2,4,5-Trichlorophenol	<33.4	ug/kg	111	33.4	1	10/16/15 12:33	10/20/15 12:41	95-95-4	
2,4,6-Trichlorophenol	<28.8	ug/kg	96.0	28.8	1	10/16/15 12:33	10/20/15 12:41	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	75	%	45-130		1	10/16/15 12:33	10/20/15 12:41	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-6 (0-5)-101315D Lab ID: 4012282032 Collected: 10/13/15 14:30 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	79	%	51-130		1	10/16/15 12:33	10/20/15 12:41	321-60-8	
Terphenyl-d14 (S)	185	%	37-134		1	10/16/15 12:33	10/20/15 12:41	1718-51-0	S0
Phenol-d6 (S)	87	%	36-130		1	10/16/15 12:33	10/20/15 12:41	13127-88-3	
2-Fluorophenol (S)	70	%	37-130		1	10/16/15 12:33	10/20/15 12:41	367-12-4	
2,4,6-Tribromophenol (S)	88	%	30-130		1	10/16/15 12:33	10/20/15 12:41	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<5.8	ug/kg	18.8	5.8	1	10/16/15 12:00	10/16/15 12:05	67-64-1	2q
Benzene	<1.5	ug/kg	4.7	1.5	1	10/16/15 12:00	10/16/15 12:05	71-43-2	
Bromodichloromethane	<1.0	ug/kg	4.7	1.0	1	10/16/15 12:00	10/16/15 12:05	75-27-4	
Bromoform	<0.80	ug/kg	4.7	0.80	1	10/16/15 12:00	10/16/15 12:05	75-25-2	
Bromomethane	<1.4	ug/kg	9.4	1.4	1	10/16/15 12:00	10/16/15 12:05	74-83-9	
2-Butanone (MEK)	<2.7	ug/kg	18.8	2.7	1	10/16/15 12:00	10/16/15 12:05	78-93-3	
Carbon disulfide	<1.2	ug/kg	4.7	1.2	1	10/16/15 12:00	10/16/15 12:05	75-15-0	
Carbon tetrachloride	<1.5	ug/kg	4.7	1.5	1	10/16/15 12:00	10/16/15 12:05	56-23-5	
Chlorobenzene	<1.5	ug/kg	4.7	1.5	1	10/16/15 12:00	10/16/15 12:05	108-90-7	
Chloroethane	<1.9	ug/kg	4.7	1.9	1	10/16/15 12:00	10/16/15 12:05	75-00-3	
Chloroform	<0.89	ug/kg	4.7	0.89	1	10/16/15 12:00	10/16/15 12:05	67-66-3	
Chloromethane	<0.53	ug/kg	4.7	0.53	1	10/16/15 12:00	10/16/15 12:05	74-87-3	
Dibromochloromethane	<1.6	ug/kg	4.7	1.6	1	10/16/15 12:00	10/16/15 12:05	124-48-1	
1,1-Dichloroethane	<2.2	ug/kg	4.7	2.2	1	10/16/15 12:00	10/16/15 12:05	75-34-3	
1,2-Dichloroethane	<0.92	ug/kg	4.7	0.92	1	10/16/15 12:00	10/16/15 12:05	107-06-2	
1,1-Dichloroethene	<2.1	ug/kg	4.7	2.1	1	10/16/15 12:00	10/16/15 12:05	75-35-4	
cis-1,2-Dichloroethene	<1.2	ug/kg	4.7	1.2	1	10/16/15 12:00	10/16/15 12:05	156-59-2	
trans-1,2-Dichloroethene	<1.2	ug/kg	4.7	1.2	1	10/16/15 12:00	10/16/15 12:05	156-60-5	
1,2-Dichloropropane	<1.2	ug/kg	4.7	1.2	1	10/16/15 12:00	10/16/15 12:05	78-87-5	
cis-1,3-Dichloropropene	<0.63	ug/kg	4.7	0.63	1	10/16/15 12:00	10/16/15 12:05	10061-01-5	
trans-1,3-Dichloropropene	<0.87	ug/kg	4.7	0.87	1	10/16/15 12:00	10/16/15 12:05	10061-02-6	
Ethylbenzene	<1.4	ug/kg	4.7	1.4	1	10/16/15 12:00	10/16/15 12:05	100-41-4	
2-Hexanone	<1.4	ug/kg	4.7	1.4	1	10/16/15 12:00	10/16/15 12:05	591-78-6	
Methylene Chloride	<1.7	ug/kg	4.7	1.7	1	10/16/15 12:00	10/16/15 12:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	<1.2	ug/kg	4.7	1.2	1	10/16/15 12:00	10/16/15 12:05	108-10-1	
Methyl-tert-butyl ether	<0.94	ug/kg	4.7	0.94	1	10/16/15 12:00	10/16/15 12:05	1634-04-4	
Styrene	<0.71	ug/kg	4.7	0.71	1	10/16/15 12:00	10/16/15 12:05	100-42-5	
1,1,2,2-Tetrachloroethane	<1.9	ug/kg	4.7	1.9	1	10/16/15 12:00	10/16/15 12:05	79-34-5	
Tetrachloroethene	<1.5	ug/kg	4.7	1.5	1	10/16/15 12:00	10/16/15 12:05	127-18-4	
Toluene	<1.4	ug/kg	4.7	1.4	1	10/16/15 12:00	10/16/15 12:05	108-88-3	
1,1,1-Trichloroethane	<1.4	ug/kg	4.7	1.4	1	10/16/15 12:00	10/16/15 12:05	71-55-6	
1,1,2-Trichloroethane	<1.8	ug/kg	4.7	1.8	1	10/16/15 12:00	10/16/15 12:05	79-00-5	
Trichloroethene	<1.8	ug/kg	4.7	1.8	1	10/16/15 12:00	10/16/15 12:05	79-01-6	
Vinyl chloride	<0.51	ug/kg	4.7	0.51	1	10/16/15 12:00	10/16/15 12:05	75-01-4	
Xylene (Total)	<4.2	ug/kg	14.1	4.2	1	10/16/15 12:00	10/16/15 12:05	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	105	%	70-130		1	10/16/15 12:00	10/16/15 12:05	1868-53-7	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-6 (0-5)-101315D **Lab ID: 40122822032** Collected: 10/13/15 14:30 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	117	%	67-138		1	10/16/15 12:00	10/16/15 12:05	2037-26-5	
4-Bromofluorobenzene (S)	75	%	68-130		1	10/16/15 12:00	10/16/15 12:05	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	11.6	%	0.10	0.10	1		10/14/15 19:36		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	8.76	Std. Units	0.100	0.0100	1		10/15/15 20:45		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-6 (5-9)-101315 Lab ID: 40122822033 Collected: 10/13/15 14:39 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.45	mg/kg	0.90	0.45	1	10/20/15 07:39	10/20/15 18:50	7440-36-0	
Arsenic	2.7	mg/kg	0.90	0.45	1	10/20/15 07:39	10/20/15 18:50	7440-38-2	
Barium	11.4	mg/kg	0.90	0.45	1	10/20/15 07:39	10/20/15 18:50	7440-39-3	
Beryllium	<0.23	mg/kg	0.45	0.23	1	10/20/15 07:39	10/20/15 18:50	7440-41-7	
Cadmium	<0.23	mg/kg	0.45	0.23	1	10/20/15 07:39	10/20/15 18:50	7440-43-9	
Calcium	131000	mg/kg	904	452	20	10/20/15 07:39	10/20/15 22:02	7440-70-2	4q
Chromium	3.8	mg/kg	0.90	0.45	1	10/20/15 07:39	10/20/15 18:50	7440-47-3	
Cobalt	2.0	mg/kg	0.90	0.45	1	10/20/15 07:39	10/20/15 18:50	7440-48-4	
Copper	5.6	mg/kg	0.90	0.45	1	10/20/15 07:39	10/20/15 18:50	7440-50-8	
Iron	4690	mg/kg	45.2	22.6	1	10/20/15 07:39	10/20/15 18:50	7439-89-6	
Lead	2.2	mg/kg	0.90	0.45	1	10/20/15 07:39	10/20/15 18:50	7439-92-1	
Magnesium	76800	mg/kg	904	452	20	10/20/15 07:39	10/20/15 22:02	7439-95-4	
Manganese	454	mg/kg	0.90	0.45	1	10/20/15 07:39	10/20/15 18:50	7439-96-5	
Nickel	6.1	mg/kg	0.90	0.45	1	10/20/15 07:39	10/20/15 18:50	7440-02-0	
Potassium	758	mg/kg	45.2	22.6	1	10/20/15 07:39	10/20/15 18:50	7440-09-7	
Selenium	<0.45	mg/kg	0.90	0.45	1	10/20/15 07:39	10/20/15 18:50	7782-49-2	
Silver	<0.23	mg/kg	0.45	0.23	1	10/20/15 07:39	10/20/15 18:50	7440-22-4	
Sodium	329	mg/kg	45.2	22.6	1	10/20/15 07:39	10/20/15 18:50	7440-23-5	
Thallium	0.49J	mg/kg	0.90	0.45	1	10/20/15 07:39	10/20/15 18:50	7440-28-0	
Vanadium	5.5	mg/kg	0.90	0.45	1	10/20/15 07:39	10/20/15 18:50	7440-62-2	
Zinc	7.9	mg/kg	0.90	0.45	1	10/20/15 07:39	10/20/15 18:50	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/16/15 05:06

Arsenic	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 15:54	7440-38-2	
Barium	<0.25	mg/L	0.50	0.25	1	10/19/15 16:46	10/22/15 15:54	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 15:54	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/19/15 16:46	10/22/15 15:54	7440-43-9	
Chromium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 15:54	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 15:54	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 15:54	7440-50-8	
Iron	<0.25	mg/L	0.50	0.25	1	10/19/15 16:46	10/22/15 15:54	7439-89-6	
Lead	<0.0038	mg/L	0.0075	0.0038	1	10/19/15 16:46	10/22/15 15:54	7439-92-1	
Manganese	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 15:54	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 15:54	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 15:54	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 15:54	7440-22-4	
Zinc	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 15:54	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/16/15 04:58

Arsenic	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:15	7440-38-2	
Barium	<0.25	mg/L	0.50	0.25	1	10/19/15 15:36	10/22/15 15:15	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:15	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/19/15 15:36	10/22/15 15:15	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-6 (5-9)-101315 Lab ID: 40122822033 Collected: 10/13/15 14:39 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/16/15 04:58									
Chromium	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:15	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:15	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:15	7440-50-8	
Iron	<0.25	mg/L	0.50	0.25	1	10/19/15 15:36	10/22/15 15:15	7439-89-6	
Lead	<0.0030	mg/L	0.0075	0.0030	1	10/19/15 15:36	10/22/15 15:15	7439-92-1	
Manganese	1.6	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:15	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:15	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:15	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:15	7440-22-4	
Zinc	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:15	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/16/15 05:06									
Mercury	0.12J	ug/L	0.20	0.10	1	10/19/15 13:35	10/20/15 10:26	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/16/15 04:59									
Mercury	<0.10	ug/L	0.20	0.10	1	10/19/15 13:35	10/20/15 11:12	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.0053J	mg/kg	0.21	0.0041	1	10/19/15 14:39	10/19/15 23:15	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<61.8	ug/kg	206	61.8	1	10/16/15 12:33	10/19/15 13:56	83-32-9	
Acenaphthylene	<62.2	ug/kg	207	62.2	1	10/16/15 12:33	10/19/15 13:56	208-96-8	
Anthracene	<27.9	ug/kg	92.9	27.9	1	10/16/15 12:33	10/19/15 13:56	120-12-7	
Benzo(a)anthracene	<27.0	ug/kg	90.0	27.0	1	10/16/15 12:33	10/19/15 13:56	56-55-3	
Benzo(a)pyrene	<26.2	ug/kg	87.5	26.2	1	10/16/15 12:33	10/19/15 13:56	50-32-8	
Benzo(b)fluoranthene	<30.0	ug/kg	99.9	30.0	1	10/16/15 12:33	10/19/15 13:56	205-99-2	
Benzo(g,h,i)perylene	<45.6	ug/kg	152	45.6	1	10/16/15 12:33	10/19/15 13:56	191-24-2	
Benzo(k)fluoranthene	<41.7	ug/kg	139	41.7	1	10/16/15 12:33	10/19/15 13:56	207-08-9	
4-Bromophenylphenyl ether	<36.5	ug/kg	122	36.5	1	10/16/15 12:33	10/19/15 13:56	101-55-3	
Butylbenzylphthalate	<28.0	ug/kg	93.2	28.0	1	10/16/15 12:33	10/19/15 13:56	85-68-7	
Carbazole	<27.3	ug/kg	91.0	27.3	1	10/16/15 12:33	10/19/15 13:56	86-74-8	
4-Chloro-3-methylphenol	<54.3	ug/kg	181	54.3	1	10/16/15 12:33	10/19/15 13:56	59-50-7	
4-Chloroaniline	<28.7	ug/kg	95.5	28.7	1	10/16/15 12:33	10/19/15 13:56	106-47-8	
bis(2-Chloroethoxy)methane	<47.0	ug/kg	157	47.0	1	10/16/15 12:33	10/19/15 13:56	111-91-1	
bis(2-Chloroethyl) ether	<54.4	ug/kg	181	54.4	1	10/16/15 12:33	10/19/15 13:56	111-44-4	
2-Chloronaphthalene	<22.4	ug/kg	74.6	22.4	1	10/16/15 12:33	10/19/15 13:56	91-58-7	
2-Chlorophenol	<43.5	ug/kg	145	43.5	1	10/16/15 12:33	10/19/15 13:56	95-57-8	
4-Chlorophenylphenyl ether	<32.5	ug/kg	108	32.5	1	10/16/15 12:33	10/19/15 13:56	7005-72-3	
Chrysene	<26.1	ug/kg	86.9	26.1	1	10/16/15 12:33	10/19/15 13:56	218-01-9	
Dibenz(a,h)anthracene	<47.4	ug/kg	158	47.4	1	10/16/15 12:33	10/19/15 13:56	53-70-3	
Dibenzofuran	<21.1	ug/kg	70.4	21.1	1	10/16/15 12:33	10/19/15 13:56	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-6 (5-9)-101315 **Lab ID:** 40122822033 Collected: 10/13/15 14:39 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<54.8	ug/kg	183	54.8	1	10/16/15 12:33	10/19/15 13:56	95-50-1	
1,3-Dichlorobenzene	<24.1	ug/kg	80.5	24.1	1	10/16/15 12:33	10/19/15 13:56	541-73-1	
1,4-Dichlorobenzene	<24.3	ug/kg	81.0	24.3	1	10/16/15 12:33	10/19/15 13:56	106-46-7	
3,3'-Dichlorobenzidine	<47.3	ug/kg	158	47.3	1	10/16/15 12:33	10/19/15 13:56	91-94-1	
2,4-Dichlorophenol	<46.6	ug/kg	155	46.6	1	10/16/15 12:33	10/19/15 13:56	120-83-2	
Diethylphthalate	<28.9	ug/kg	96.4	28.9	1	10/16/15 12:33	10/19/15 13:56	84-66-2	
2,4-Dimethylphenol	<34.5	ug/kg	115	34.5	1	10/16/15 12:33	10/19/15 13:56	105-67-9	
Dimethylphthalate	<22.7	ug/kg	75.6	22.7	1	10/16/15 12:33	10/19/15 13:56	131-11-3	
Di-n-butylphthalate	<26.1	ug/kg	86.9	26.1	1	10/16/15 12:33	10/19/15 13:56	84-74-2	
4,6-Dinitro-2-methylphenol	<53.7	ug/kg	179	53.7	1	10/16/15 12:33	10/19/15 13:56	534-52-1	
2,4-Dinitrophenol	<53.1	ug/kg	177	53.1	1	10/16/15 12:33	10/19/15 13:56	51-28-5	
2,4-Dinitrotoluene	<24.9	ug/kg	83.1	24.9	1	10/16/15 12:33	10/19/15 13:56	121-14-2	
2,6-Dinitrotoluene	<33.1	ug/kg	110	33.1	1	10/16/15 12:33	10/19/15 13:56	606-20-2	
Di-n-octylphthalate	<39.2	ug/kg	131	39.2	1	10/16/15 12:33	10/19/15 13:56	117-84-0	
bis(2-Ethylhexyl)phthalate	<29.0	ug/kg	96.6	29.0	1	10/16/15 12:33	10/19/15 13:56	117-81-7	
Fluoranthene	<24.7	ug/kg	82.2	24.7	1	10/16/15 12:33	10/19/15 13:56	206-44-0	
Fluorene	<20.4	ug/kg	67.9	20.4	1	10/16/15 12:33	10/19/15 13:56	86-73-7	
Hexachloro-1,3-butadiene	<44.4	ug/kg	148	44.4	1	10/16/15 12:33	10/19/15 13:56	87-68-3	
Hexachlorobenzene	<29.3	ug/kg	97.8	29.3	1	10/16/15 12:33	10/19/15 13:56	118-74-1	
Hexachlorocyclopentadiene	<41.3	ug/kg	138	41.3	1	10/16/15 12:33	10/19/15 13:56	77-47-4	
Hexachloroethane	<27.9	ug/kg	93.0	27.9	1	10/16/15 12:33	10/19/15 13:56	67-72-1	
Indeno(1,2,3-cd)pyrene	<37.7	ug/kg	126	37.7	1	10/16/15 12:33	10/19/15 13:56	193-39-5	
Isophorone	<26.8	ug/kg	89.3	26.8	1	10/16/15 12:33	10/19/15 13:56	78-59-1	
2-Methylnaphthalene	<45.3	ug/kg	151	45.3	1	10/16/15 12:33	10/19/15 13:56	91-57-6	
2-Methylphenol(o-Cresol)	<31.7	ug/kg	106	31.7	1	10/16/15 12:33	10/19/15 13:56	95-48-7	
3&4-Methylphenol(m&p Cresol)	<32.0	ug/kg	107	32.0	1	10/16/15 12:33	10/19/15 13:56		
Naphthalene	<61.0	ug/kg	203	61.0	1	10/16/15 12:33	10/19/15 13:56	91-20-3	
2-Nitroaniline	<49.7	ug/kg	166	49.7	1	10/16/15 12:33	10/19/15 13:56	88-74-4	
3-Nitroaniline	<29.7	ug/kg	98.8	29.7	1	10/16/15 12:33	10/19/15 13:56	99-09-2	
4-Nitroaniline	<72.4	ug/kg	241	72.4	1	10/16/15 12:33	10/19/15 13:56	100-01-6	
Nitrobenzene	<35.4	ug/kg	118	35.4	1	10/16/15 12:33	10/19/15 13:56	98-95-3	
2-Nitrophenol	<55.0	ug/kg	183	55.0	1	10/16/15 12:33	10/19/15 13:56	88-75-5	
4-Nitrophenol	<43.9	ug/kg	146	43.9	1	10/16/15 12:33	10/19/15 13:56	100-02-7	
N-Nitroso-di-n-propylamine	<27.7	ug/kg	92.2	27.7	1	10/16/15 12:33	10/19/15 13:56	621-64-7	
N-Nitrosodiphenylamine	<237	ug/kg	789	237	1	10/16/15 12:33	10/19/15 13:56	86-30-6	
2,2'-Oxybis(1-chloropropane)	<45.0	ug/kg	150	45.0	1	10/16/15 12:33	10/19/15 13:56	108-60-1	
Pentachlorophenol	<38.4	ug/kg	128	38.4	1	10/16/15 12:33	10/19/15 13:56	87-86-5	
Phenanthrene	<22.4	ug/kg	74.6	22.4	1	10/16/15 12:33	10/19/15 13:56	85-01-8	
Phenol	<41.4	ug/kg	138	41.4	1	10/16/15 12:33	10/19/15 13:56	108-95-2	
Pyrene	<38.6	ug/kg	129	38.6	1	10/16/15 12:33	10/19/15 13:56	129-00-0	
1,2,4-Trichlorobenzene	<19.7	ug/kg	65.7	19.7	1	10/16/15 12:33	10/19/15 13:56	120-82-1	
2,4,5-Trichlorophenol	<30.8	ug/kg	103	30.8	1	10/16/15 12:33	10/19/15 13:56	95-95-4	
2,4,6-Trichlorophenol	<26.6	ug/kg	88.6	26.6	1	10/16/15 12:33	10/19/15 13:56	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	84	%	45-130		1	10/16/15 12:33	10/19/15 13:56	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-6 (5-9)-101315 **Lab ID:** 4012282033 Collected: 10/13/15 14:39 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

2-Fluorobiphenyl (S)	83	%	51-130		1	10/16/15 12:33	10/19/15 13:56	321-60-8	
Terphenyl-d14 (S)	91	%	37-134		1	10/16/15 12:33	10/19/15 13:56	1718-51-0	
Phenol-d6 (S)	76	%	36-130		1	10/16/15 12:33	10/19/15 13:56	13127-88-3	
2-Fluorophenol (S)	75	%	37-130		1	10/16/15 12:33	10/19/15 13:56	367-12-4	
2,4,6-Tribromophenol (S)	88	%	30-130		1	10/16/15 12:33	10/19/15 13:56	118-79-6	

8260 MSV 5035 Low Level

Analytical Method: EPA 8260 Preparation Method: EPA 8260

Acetone	<3.9	ug/kg	12.6	3.9	1	10/16/15 12:00	10/16/15 12:27	67-64-1	2q
Benzene	<1.0	ug/kg	3.1	1.0	1	10/16/15 12:00	10/16/15 12:27	71-43-2	
Bromodichloromethane	<0.69	ug/kg	3.1	0.69	1	10/16/15 12:00	10/16/15 12:27	75-27-4	
Bromoform	<0.53	ug/kg	3.1	0.53	1	10/16/15 12:00	10/16/15 12:27	75-25-2	
Bromomethane	<0.94	ug/kg	6.3	0.94	1	10/16/15 12:00	10/16/15 12:27	74-83-9	
2-Butanone (MEK)	<1.8	ug/kg	12.6	1.8	1	10/16/15 12:00	10/16/15 12:27	78-93-3	
Carbon disulfide	<0.81	ug/kg	3.1	0.81	1	10/16/15 12:00	10/16/15 12:27	75-15-0	
Carbon tetrachloride	<1.0	ug/kg	3.1	1.0	1	10/16/15 12:00	10/16/15 12:27	56-23-5	
Chlorobenzene	<0.99	ug/kg	3.1	0.99	1	10/16/15 12:00	10/16/15 12:27	108-90-7	
Chloroethane	<1.3	ug/kg	3.1	1.3	1	10/16/15 12:00	10/16/15 12:27	75-00-3	
Chloroform	<0.59	ug/kg	3.1	0.59	1	10/16/15 12:00	10/16/15 12:27	67-66-3	
Chloromethane	<0.35	ug/kg	3.1	0.35	1	10/16/15 12:00	10/16/15 12:27	74-87-3	
Dibromochloromethane	<1.1	ug/kg	3.1	1.1	1	10/16/15 12:00	10/16/15 12:27	124-48-1	
1,1-Dichloroethane	<1.5	ug/kg	3.1	1.5	1	10/16/15 12:00	10/16/15 12:27	75-34-3	
1,2-Dichloroethane	<0.62	ug/kg	3.1	0.62	1	10/16/15 12:00	10/16/15 12:27	107-06-2	
1,1-Dichloroethene	<1.4	ug/kg	3.1	1.4	1	10/16/15 12:00	10/16/15 12:27	75-35-4	
cis-1,2-Dichloroethene	<0.83	ug/kg	3.1	0.83	1	10/16/15 12:00	10/16/15 12:27	156-59-2	
trans-1,2-Dichloroethene	<0.78	ug/kg	3.1	0.78	1	10/16/15 12:00	10/16/15 12:27	156-60-5	
1,2-Dichloropropane	<0.79	ug/kg	3.1	0.79	1	10/16/15 12:00	10/16/15 12:27	78-87-5	
cis-1,3-Dichloropropene	<0.42	ug/kg	3.1	0.42	1	10/16/15 12:00	10/16/15 12:27	10061-01-5	
trans-1,3-Dichloropropene	<0.58	ug/kg	3.1	0.58	1	10/16/15 12:00	10/16/15 12:27	10061-02-6	
Ethylbenzene	<0.91	ug/kg	3.1	0.91	1	10/16/15 12:00	10/16/15 12:27	100-41-4	
2-Hexanone	<0.93	ug/kg	3.1	0.93	1	10/16/15 12:00	10/16/15 12:27	591-78-6	
Methylene Chloride	<1.2	ug/kg	3.1	1.2	1	10/16/15 12:00	10/16/15 12:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.77	ug/kg	3.1	0.77	1	10/16/15 12:00	10/16/15 12:27	108-10-1	
Methyl-tert-butyl ether	<0.63	ug/kg	3.1	0.63	1	10/16/15 12:00	10/16/15 12:27	1634-04-4	
Styrene	<0.48	ug/kg	3.1	0.48	1	10/16/15 12:00	10/16/15 12:27	100-42-5	
1,1,2,2-Tetrachloroethane	<1.3	ug/kg	3.1	1.3	1	10/16/15 12:00	10/16/15 12:27	79-34-5	
Tetrachloroethene	<0.99	ug/kg	3.1	0.99	1	10/16/15 12:00	10/16/15 12:27	127-18-4	
Toluene	<0.93	ug/kg	3.1	0.93	1	10/16/15 12:00	10/16/15 12:27	108-88-3	
1,1,1-Trichloroethane	<0.97	ug/kg	3.1	0.97	1	10/16/15 12:00	10/16/15 12:27	71-55-6	
1,1,2-Trichloroethane	<1.2	ug/kg	3.1	1.2	1	10/16/15 12:00	10/16/15 12:27	79-00-5	
Trichloroethene	<1.2	ug/kg	3.1	1.2	1	10/16/15 12:00	10/16/15 12:27	79-01-6	
Vinyl chloride	<0.34	ug/kg	3.1	0.34	1	10/16/15 12:00	10/16/15 12:27	75-01-4	
Xylene (Total)	<2.8	ug/kg	9.4	2.8	1	10/16/15 12:00	10/16/15 12:27	1330-20-7	

Surrogates

Dibromofluoromethane (S)	99	%	70-130		1	10/16/15 12:00	10/16/15 12:27	1868-53-7	
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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-6 (5-9)-101315 **Lab ID: 40122822033** Collected: 10/13/15 14:39 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	100	%	67-138		1	10/16/15 12:00	10/16/15 12:27	2037-26-5	
4-Bromofluorobenzene (S)	95	%	68-130		1	10/16/15 12:00	10/16/15 12:27	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	4.3	%	0.10	0.10	1		10/14/15 19:36		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.50	Std. Units	0.100	0.0100	1		10/15/15 20:45		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-1 (5-9)-101315 Lab ID: 40122822038 Collected: 10/13/15 11:50 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.47	mg/kg	0.94	0.47	1	10/20/15 07:39	10/20/15 19:10	7440-36-0	
Arsenic	3.2	mg/kg	0.94	0.47	1	10/20/15 07:39	10/20/15 19:10	7440-38-2	
Barium	13.5	mg/kg	0.94	0.47	1	10/20/15 07:39	10/20/15 19:10	7440-39-3	
Beryllium	<0.24	mg/kg	0.47	0.24	1	10/20/15 07:39	10/20/15 19:10	7440-41-7	
Cadmium	<0.24	mg/kg	0.47	0.24	1	10/20/15 07:39	10/20/15 19:10	7440-43-9	
Calcium	142000	mg/kg	941	471	20	10/20/15 07:39	10/20/15 22:27	7440-70-2	4q
Chromium	5.5	mg/kg	0.94	0.47	1	10/20/15 07:39	10/20/15 19:10	7440-47-3	
Cobalt	2.1	mg/kg	0.94	0.47	1	10/20/15 07:39	10/20/15 19:10	7440-48-4	
Copper	6.0	mg/kg	0.94	0.47	1	10/20/15 07:39	10/20/15 19:10	7440-50-8	
Iron	27100	mg/kg	941	471	20	10/20/15 07:39	10/20/15 22:27	7439-89-6	
Lead	4.0	mg/kg	0.94	0.47	1	10/20/15 07:39	10/20/15 19:10	7439-92-1	
Magnesium	84400	mg/kg	941	471	20	10/20/15 07:39	10/20/15 22:27	7439-95-4	
Manganese	677	mg/kg	0.94	0.47	1	10/20/15 07:39	10/20/15 19:10	7439-96-5	
Nickel	6.7	mg/kg	0.94	0.47	1	10/20/15 07:39	10/20/15 19:10	7440-02-0	
Potassium	689	mg/kg	47.1	23.5	1	10/20/15 07:39	10/20/15 19:10	7440-09-7	
Selenium	<9.4	mg/kg	18.8	9.4	20	10/20/15 07:39	10/20/15 22:27	7782-49-2	D3
Silver	<0.24	mg/kg	0.47	0.24	1	10/20/15 07:39	10/20/15 19:10	7440-22-4	
Sodium	461	mg/kg	47.1	23.5	1	10/20/15 07:39	10/20/15 19:10	7440-23-5	
Thallium	0.74J	mg/kg	0.94	0.47	1	10/20/15 07:39	10/20/15 19:10	7440-28-0	
Vanadium	8.5	mg/kg	0.94	0.47	1	10/20/15 07:39	10/20/15 19:10	7440-62-2	
Zinc	11.2	mg/kg	0.94	0.47	1	10/20/15 07:39	10/20/15 19:10	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/14/15 17:34

Arsenic	<0.025	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:15	7440-38-2	
Barium	<0.25	mg/L	0.50	0.25	1	10/15/15 16:47	10/22/15 14:15	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:15	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/15/15 16:47	10/22/15 14:15	7440-43-9	
Chromium	<0.025	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:15	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:15	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:15	7440-50-8	
Iron	<0.25	mg/L	0.50	0.25	1	10/15/15 16:47	10/22/15 14:15	7439-89-6	
Lead	<0.0038	mg/L	0.0075	0.0038	1	10/15/15 16:47	10/22/15 14:15	7439-92-1	3q
Manganese	<0.025	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:15	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:15	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:15	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:15	7440-22-4	
Zinc	<0.025	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:15	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/14/15 17:33

Arsenic	<0.025	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:54	7440-38-2	
Barium	<0.25	mg/L	0.50	0.25	1	10/15/15 16:26	10/22/15 13:54	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:54	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/15/15 16:26	10/22/15 13:54	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-1 (5-9)-101315 Lab ID: 4012282038 Collected: 10/13/15 11:50 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/14/15 17:33									
Chromium	<0.025	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:54	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:54	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:54	7440-50-8	
Iron	<0.25	mg/L	0.50	0.25	1	10/15/15 16:26	10/22/15 13:54	7439-89-6	
Lead	0.0030J	mg/L	0.0075	0.0030	1	10/15/15 16:26	10/22/15 13:54	7439-92-1	
Manganese	4.0	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:54	7439-96-5	
Nickel	0.050J	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:54	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:54	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:54	7440-22-4	
Zinc	0.059	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:54	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/14/15 17:34									
Mercury	<0.10	ug/L	0.20	0.10	1	10/16/15 09:15	10/19/15 09:23	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/14/15 17:33									
Mercury	<0.10	ug/L	0.20	0.10	1	10/16/15 09:15	10/19/15 10:37	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	<0.0042	mg/kg	0.21	0.0042	1	10/19/15 14:39	10/19/15 23:26	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<61.1	ug/kg	204	61.1	1	10/16/15 12:33	10/19/15 15:22	83-32-9	
Acenaphthylene	<61.4	ug/kg	205	61.4	1	10/16/15 12:33	10/19/15 15:22	208-96-8	
Anthracene	<27.5	ug/kg	91.7	27.5	1	10/16/15 12:33	10/19/15 15:22	120-12-7	
Benzo(a)anthracene	<26.7	ug/kg	88.9	26.7	1	10/16/15 12:33	10/19/15 15:22	56-55-3	
Benzo(a)pyrene	<25.9	ug/kg	86.4	25.9	1	10/16/15 12:33	10/19/15 15:22	50-32-8	
Benzo(b)fluoranthene	<29.6	ug/kg	98.6	29.6	1	10/16/15 12:33	10/19/15 15:22	205-99-2	
Benzo(g,h,i)perylene	<45.1	ug/kg	150	45.1	1	10/16/15 12:33	10/19/15 15:22	191-24-2	
Benzo(k)fluoranthene	<41.2	ug/kg	137	41.2	1	10/16/15 12:33	10/19/15 15:22	207-08-9	
4-Bromophenylphenyl ether	<36.1	ug/kg	120	36.1	1	10/16/15 12:33	10/19/15 15:22	101-55-3	
Butylbenzylphthalate	<27.6	ug/kg	92.0	27.6	1	10/16/15 12:33	10/19/15 15:22	85-68-7	
Carbazole	<27.0	ug/kg	89.9	27.0	1	10/16/15 12:33	10/19/15 15:22	86-74-8	
4-Chloro-3-methylphenol	<53.6	ug/kg	179	53.6	1	10/16/15 12:33	10/19/15 15:22	59-50-7	
4-Chloroaniline	<28.3	ug/kg	94.3	28.3	1	10/16/15 12:33	10/19/15 15:22	106-47-8	
bis(2-Chloroethoxy)methane	<46.4	ug/kg	155	46.4	1	10/16/15 12:33	10/19/15 15:22	111-91-1	
bis(2-Chloroethyl) ether	<53.8	ug/kg	179	53.8	1	10/16/15 12:33	10/19/15 15:22	111-44-4	
2-Chloronaphthalene	<22.1	ug/kg	73.7	22.1	1	10/16/15 12:33	10/19/15 15:22	91-58-7	
2-Chlorophenol	<43.0	ug/kg	143	43.0	1	10/16/15 12:33	10/19/15 15:22	95-57-8	
4-Chlorophenylphenyl ether	<32.1	ug/kg	107	32.1	1	10/16/15 12:33	10/19/15 15:22	7005-72-3	
Chrysene	<25.7	ug/kg	85.8	25.7	1	10/16/15 12:33	10/19/15 15:22	218-01-9	
Dibenz(a,h)anthracene	<46.8	ug/kg	156	46.8	1	10/16/15 12:33	10/19/15 15:22	53-70-3	
Dibenzofuran	<20.8	ug/kg	69.5	20.8	1	10/16/15 12:33	10/19/15 15:22	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-1 (5-9)-101315 **Lab ID:** 40122822038 Collected: 10/13/15 11:50 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<54.1	ug/kg	180	54.1	1	10/16/15 12:33	10/19/15 15:22	95-50-1	
1,3-Dichlorobenzene	<23.8	ug/kg	79.5	23.8	1	10/16/15 12:33	10/19/15 15:22	541-73-1	
1,4-Dichlorobenzene	<24.0	ug/kg	80.0	24.0	1	10/16/15 12:33	10/19/15 15:22	106-46-7	
3,3'-Dichlorobenzidine	<46.7	ug/kg	156	46.7	1	10/16/15 12:33	10/19/15 15:22	91-94-1	
2,4-Dichlorophenol	<46.0	ug/kg	153	46.0	1	10/16/15 12:33	10/19/15 15:22	120-83-2	
Diethylphthalate	<28.6	ug/kg	95.2	28.6	1	10/16/15 12:33	10/19/15 15:22	84-66-2	
2,4-Dimethylphenol	<34.1	ug/kg	114	34.1	1	10/16/15 12:33	10/19/15 15:22	105-67-9	
Dimethylphthalate	<22.4	ug/kg	74.7	22.4	1	10/16/15 12:33	10/19/15 15:22	131-11-3	
Di-n-butylphthalate	<25.7	ug/kg	85.8	25.7	1	10/16/15 12:33	10/19/15 15:22	84-74-2	
4,6-Dinitro-2-methylphenol	<53.1	ug/kg	177	53.1	1	10/16/15 12:33	10/19/15 15:22	534-52-1	
2,4-Dinitrophenol	<52.5	ug/kg	175	52.5	1	10/16/15 12:33	10/19/15 15:22	51-28-5	
2,4-Dinitrotoluene	<24.6	ug/kg	82.1	24.6	1	10/16/15 12:33	10/19/15 15:22	121-14-2	
2,6-Dinitrotoluene	<32.7	ug/kg	109	32.7	1	10/16/15 12:33	10/19/15 15:22	606-20-2	
Di-n-octylphthalate	<38.7	ug/kg	129	38.7	1	10/16/15 12:33	10/19/15 15:22	117-84-0	
bis(2-Ethylhexyl)phthalate	<28.6	ug/kg	95.5	28.6	1	10/16/15 12:33	10/19/15 15:22	117-81-7	
Fluoranthene	<24.4	ug/kg	81.2	24.4	1	10/16/15 12:33	10/19/15 15:22	206-44-0	
Fluorene	<20.1	ug/kg	67.1	20.1	1	10/16/15 12:33	10/19/15 15:22	86-73-7	
Hexachloro-1,3-butadiene	<43.9	ug/kg	146	43.9	1	10/16/15 12:33	10/19/15 15:22	87-68-3	
Hexachlorobenzene	<29.0	ug/kg	96.5	29.0	1	10/16/15 12:33	10/19/15 15:22	118-74-1	
Hexachlorocyclopentadiene	<40.8	ug/kg	136	40.8	1	10/16/15 12:33	10/19/15 15:22	77-47-4	
Hexachloroethane	<27.6	ug/kg	91.9	27.6	1	10/16/15 12:33	10/19/15 15:22	67-72-1	
Indeno(1,2,3-cd)pyrene	<37.3	ug/kg	124	37.3	1	10/16/15 12:33	10/19/15 15:22	193-39-5	
Isophorone	<26.5	ug/kg	88.2	26.5	1	10/16/15 12:33	10/19/15 15:22	78-59-1	
2-Methylnaphthalene	<44.7	ug/kg	149	44.7	1	10/16/15 12:33	10/19/15 15:22	91-57-6	
2-Methylphenol(o-Cresol)	<31.3	ug/kg	104	31.3	1	10/16/15 12:33	10/19/15 15:22	95-48-7	
3&4-Methylphenol(m&p Cresol)	<31.6	ug/kg	105	31.6	1	10/16/15 12:33	10/19/15 15:22		
Naphthalene	<60.2	ug/kg	201	60.2	1	10/16/15 12:33	10/19/15 15:22	91-20-3	
2-Nitroaniline	<49.1	ug/kg	164	49.1	1	10/16/15 12:33	10/19/15 15:22	88-74-4	
3-Nitroaniline	<29.3	ug/kg	97.6	29.3	1	10/16/15 12:33	10/19/15 15:22	99-09-2	
4-Nitroaniline	<71.5	ug/kg	238	71.5	1	10/16/15 12:33	10/19/15 15:22	100-01-6	
Nitrobenzene	<34.9	ug/kg	116	34.9	1	10/16/15 12:33	10/19/15 15:22	98-95-3	
2-Nitrophenol	<54.4	ug/kg	181	54.4	1	10/16/15 12:33	10/19/15 15:22	88-75-5	
4-Nitrophenol	<43.4	ug/kg	145	43.4	1	10/16/15 12:33	10/19/15 15:22	100-02-7	
N-Nitroso-di-n-propylamine	<27.3	ug/kg	91.0	27.3	1	10/16/15 12:33	10/19/15 15:22	621-64-7	
N-Nitrosodiphenylamine	<234	ug/kg	779	234	1	10/16/15 12:33	10/19/15 15:22	86-30-6	
2,2'-Oxybis(1-chloropropane)	<44.4	ug/kg	148	44.4	1	10/16/15 12:33	10/19/15 15:22	108-60-1	
Pentachlorophenol	<37.9	ug/kg	126	37.9	1	10/16/15 12:33	10/19/15 15:22	87-86-5	
Phenanthrene	<22.1	ug/kg	73.6	22.1	1	10/16/15 12:33	10/19/15 15:22	85-01-8	
Phenol	<40.9	ug/kg	136	40.9	1	10/16/15 12:33	10/19/15 15:22	108-95-2	
Pyrene	<38.2	ug/kg	127	38.2	1	10/16/15 12:33	10/19/15 15:22	129-00-0	
1,2,4-Trichlorobenzene	<19.5	ug/kg	64.9	19.5	1	10/16/15 12:33	10/19/15 15:22	120-82-1	
2,4,5-Trichlorophenol	<30.4	ug/kg	101	30.4	1	10/16/15 12:33	10/19/15 15:22	95-95-4	
2,4,6-Trichlorophenol	<26.3	ug/kg	87.5	26.3	1	10/16/15 12:33	10/19/15 15:22	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	73	%	45-130		1	10/16/15 12:33	10/19/15 15:22	4165-60-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-1 (5-9)-101315 **Lab ID: 4012282038** Collected: 10/13/15 11:50 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

2-Fluorobiphenyl (S)	69	%	51-130		1	10/16/15 12:33	10/19/15 15:22	321-60-8	
Terphenyl-d14 (S)	72	%	37-134		1	10/16/15 12:33	10/19/15 15:22	1718-51-0	
Phenol-d6 (S)	62	%	36-130		1	10/16/15 12:33	10/19/15 15:22	13127-88-3	
2-Fluorophenol (S)	61	%	37-130		1	10/16/15 12:33	10/19/15 15:22	367-12-4	
2,4,6-Tribromophenol (S)	70	%	30-130		1	10/16/15 12:33	10/19/15 15:22	118-79-6	

8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260

Acetone	<4.0	ug/kg	12.8	4.0	1	10/16/15 12:00	10/16/15 14:42	67-64-1	2q
Benzene	<1.0	ug/kg	3.2	1.0	1	10/16/15 12:00	10/16/15 14:42	71-43-2	
Bromodichloromethane	<0.70	ug/kg	3.2	0.70	1	10/16/15 12:00	10/16/15 14:42	75-27-4	
Bromoform	<0.54	ug/kg	3.2	0.54	1	10/16/15 12:00	10/16/15 14:42	75-25-2	
Bromomethane	<0.96	ug/kg	6.4	0.96	1	10/16/15 12:00	10/16/15 14:42	74-83-9	
2-Butanone (MEK)	<1.8	ug/kg	12.8	1.8	1	10/16/15 12:00	10/16/15 14:42	78-93-3	
Carbon disulfide	<0.83	ug/kg	3.2	0.83	1	10/16/15 12:00	10/16/15 14:42	75-15-0	
Carbon tetrachloride	<1.0	ug/kg	3.2	1.0	1	10/16/15 12:00	10/16/15 14:42	56-23-5	
Chlorobenzene	<1.0	ug/kg	3.2	1.0	1	10/16/15 12:00	10/16/15 14:42	108-90-7	
Chloroethane	<1.3	ug/kg	3.2	1.3	1	10/16/15 12:00	10/16/15 14:42	75-00-3	
Chloroform	<0.61	ug/kg	3.2	0.61	1	10/16/15 12:00	10/16/15 14:42	67-66-3	
Chloromethane	<0.36	ug/kg	3.2	0.36	1	10/16/15 12:00	10/16/15 14:42	74-87-3	
Dibromochloromethane	<1.1	ug/kg	3.2	1.1	1	10/16/15 12:00	10/16/15 14:42	124-48-1	
1,1-Dichloroethane	<1.5	ug/kg	3.2	1.5	1	10/16/15 12:00	10/16/15 14:42	75-34-3	
1,2-Dichloroethane	<0.63	ug/kg	3.2	0.63	1	10/16/15 12:00	10/16/15 14:42	107-06-2	
1,1-Dichloroethene	<1.4	ug/kg	3.2	1.4	1	10/16/15 12:00	10/16/15 14:42	75-35-4	
cis-1,2-Dichloroethene	<0.85	ug/kg	3.2	0.85	1	10/16/15 12:00	10/16/15 14:42	156-59-2	
trans-1,2-Dichloroethene	<0.79	ug/kg	3.2	0.79	1	10/16/15 12:00	10/16/15 14:42	156-60-5	
1,2-Dichloropropane	<0.81	ug/kg	3.2	0.81	1	10/16/15 12:00	10/16/15 14:42	78-87-5	
cis-1,3-Dichloropropene	<0.43	ug/kg	3.2	0.43	1	10/16/15 12:00	10/16/15 14:42	10061-01-5	
trans-1,3-Dichloropropene	<0.59	ug/kg	3.2	0.59	1	10/16/15 12:00	10/16/15 14:42	10061-02-6	
Ethylbenzene	<0.92	ug/kg	3.2	0.92	1	10/16/15 12:00	10/16/15 14:42	100-41-4	
2-Hexanone	<0.95	ug/kg	3.2	0.95	1	10/16/15 12:00	10/16/15 14:42	591-78-6	
Methylene Chloride	<1.2	ug/kg	3.2	1.2	1	10/16/15 12:00	10/16/15 14:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.78	ug/kg	3.2	0.78	1	10/16/15 12:00	10/16/15 14:42	108-10-1	
Methyl-tert-butyl ether	<0.64	ug/kg	3.2	0.64	1	10/16/15 12:00	10/16/15 14:42	1634-04-4	
Styrene	<0.48	ug/kg	3.2	0.48	1	10/16/15 12:00	10/16/15 14:42	100-42-5	
1,1,2,2-Tetrachloroethane	<1.3	ug/kg	3.2	1.3	1	10/16/15 12:00	10/16/15 14:42	79-34-5	
Tetrachloroethene	<1.0	ug/kg	3.2	1.0	1	10/16/15 12:00	10/16/15 14:42	127-18-4	
Toluene	<0.95	ug/kg	3.2	0.95	1	10/16/15 12:00	10/16/15 14:42	108-88-3	
1,1,1-Trichloroethane	<0.99	ug/kg	3.2	0.99	1	10/16/15 12:00	10/16/15 14:42	71-55-6	
1,1,2-Trichloroethane	<1.2	ug/kg	3.2	1.2	1	10/16/15 12:00	10/16/15 14:42	79-00-5	
Trichloroethene	<1.2	ug/kg	3.2	1.2	1	10/16/15 12:00	10/16/15 14:42	79-01-6	
Vinyl chloride	<0.35	ug/kg	3.2	0.35	1	10/16/15 12:00	10/16/15 14:42	75-01-4	
Xylene (Total)	<2.9	ug/kg	9.6	2.9	1	10/16/15 12:00	10/16/15 14:42	1330-20-7	

Surrogates

Dibromofluoromethane (S)	102	%	70-130		1	10/16/15 12:00	10/16/15 14:42	1868-53-7	
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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-1 (5-9)-101315 **Lab ID: 40122822038** Collected: 10/13/15 11:50 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	101	%	67-138		1	10/16/15 12:00	10/16/15 14:42	2037-26-5	
4-Bromofluorobenzene (S)	93	%	68-130		1	10/16/15 12:00	10/16/15 14:42	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	3.1	%	0.10	0.10	1		10/14/15 19:36		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.60	Std. Units	0.100	0.0100	1		10/15/15 20:45		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-2 (0-5)-101315 Lab ID: 40122822039 Collected: 10/13/15 12:12 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.52	mg/kg	1.0	0.52	1	10/20/15 07:39	10/20/15 19:21	7440-36-0	
Arsenic	7.3	mg/kg	1.0	0.52	1	10/20/15 07:39	10/20/15 19:21	7440-38-2	
Barium	58.3	mg/kg	1.0	0.52	1	10/20/15 07:39	10/20/15 19:21	7440-39-3	
Beryllium	0.62	mg/kg	0.52	0.26	1	10/20/15 07:39	10/20/15 19:21	7440-41-7	
Cadmium	<0.26	mg/kg	0.52	0.26	1	10/20/15 07:39	10/20/15 19:21	7440-43-9	
Calcium	2090	mg/kg	51.9	25.9	1	10/20/15 07:39	10/20/15 19:21	7440-70-2	
Chromium	16.8	mg/kg	1.0	0.52	1	10/20/15 07:39	10/20/15 19:21	7440-47-3	
Cobalt	7.6	mg/kg	1.0	0.52	1	10/20/15 07:39	10/20/15 19:21	7440-48-4	
Copper	14.5	mg/kg	1.0	0.52	1	10/20/15 07:39	10/20/15 19:21	7440-50-8	
Iron	16700	mg/kg	51.9	25.9	1	10/20/15 07:39	10/20/15 19:21	7439-89-6	
Lead	11.4	mg/kg	1.0	0.52	1	10/20/15 07:39	10/20/15 19:21	7439-92-1	
Magnesium	2210	mg/kg	51.9	25.9	1	10/20/15 07:39	10/20/15 19:21	7439-95-4	
Manganese	469	mg/kg	1.0	0.52	1	10/20/15 07:39	10/20/15 19:21	7439-96-5	
Nickel	14.4	mg/kg	1.0	0.52	1	10/20/15 07:39	10/20/15 19:21	7440-02-0	
Potassium	1500	mg/kg	51.9	25.9	1	10/20/15 07:39	10/20/15 19:21	7440-09-7	
Selenium	<0.52	mg/kg	1.0	0.52	1	10/20/15 07:39	10/20/15 19:21	7782-49-2	
Silver	<0.26	mg/kg	0.52	0.26	1	10/20/15 07:39	10/20/15 19:21	7440-22-4	
Sodium	2310	mg/kg	51.9	25.9	1	10/20/15 07:39	10/20/15 19:21	7440-23-5	
Thallium	1.2	mg/kg	1.0	0.52	1	10/20/15 07:39	10/20/15 19:21	7440-28-0	
Vanadium	30.0	mg/kg	1.0	0.52	1	10/20/15 07:39	10/20/15 19:21	7440-62-2	
Zinc	39.0	mg/kg	1.0	0.52	1	10/20/15 07:39	10/20/15 19:21	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/14/15 17:34

Arsenic	<0.025	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:25	7440-38-2	
Barium	1.0	mg/L	0.50	0.25	1	10/15/15 16:47	10/22/15 14:25	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:25	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/15/15 16:47	10/22/15 14:25	7440-43-9	
Chromium	0.055	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:25	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:25	7440-48-4	
Copper	0.042J	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:25	7440-50-8	
Iron	49.1	mg/L	0.50	0.25	1	10/15/15 16:47	10/22/15 14:25	7439-89-6	
Lead	0.036	mg/L	0.0075	0.0038	1	10/15/15 16:47	10/22/15 14:25	7439-92-1	3q
Manganese	0.72	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:25	7439-96-5	
Nickel	0.041J	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:25	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:25	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:25	7440-22-4	
Zinc	0.66	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:25	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/14/15 17:33

Arsenic	<0.025	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:39	7440-38-2	
Barium	0.91	mg/L	0.50	0.25	1	10/15/15 16:26	10/22/15 13:39	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:39	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/15/15 16:26	10/22/15 13:39	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-2 (0-5)-101315 Lab ID: 40122822039 Collected: 10/13/15 12:12 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/14/15 17:33									
Chromium	<0.025	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:39	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:39	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:39	7440-50-8	
Iron	2.2	mg/L	0.50	0.25	1	10/15/15 16:26	10/22/15 13:39	7439-89-6	
Lead	0.0059J	mg/L	0.0075	0.0030	1	10/15/15 16:26	10/22/15 13:39	7439-92-1	
Manganese	0.062	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:39	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:39	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:39	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:39	7440-22-4	
Zinc	0.56	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:39	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/14/15 17:34									
Mercury	1.5	ug/L	0.20	0.10	1	10/16/15 09:15	10/19/15 09:25	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/14/15 17:33									
Mercury	0.83	ug/L	0.20	0.10	1	10/16/15 09:15	10/19/15 10:23	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.021J	mg/kg	0.25	0.0049	1	10/19/15 14:39	10/19/15 23:28	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<71.8	ug/kg	239	71.8	1	10/16/15 12:33	10/19/15 15:01	83-32-9	
Acenaphthylene	<72.2	ug/kg	241	72.2	1	10/16/15 12:33	10/19/15 15:01	208-96-8	
Anthracene	<32.3	ug/kg	108	32.3	1	10/16/15 12:33	10/19/15 15:01	120-12-7	
Benzo(a)anthracene	<31.3	ug/kg	104	31.3	1	10/16/15 12:33	10/19/15 15:01	56-55-3	
Benzo(a)pyrene	<30.4	ug/kg	101	30.4	1	10/16/15 12:33	10/19/15 15:01	50-32-8	
Benzo(b)fluoranthene	<34.8	ug/kg	116	34.8	1	10/16/15 12:33	10/19/15 15:01	205-99-2	
Benzo(g,h,i)perylene	<52.9	ug/kg	176	52.9	1	10/16/15 12:33	10/19/15 15:01	191-24-2	
Benzo(k)fluoranthene	<48.5	ug/kg	162	48.5	1	10/16/15 12:33	10/19/15 15:01	207-08-9	
4-Bromophenylphenyl ether	<42.4	ug/kg	141	42.4	1	10/16/15 12:33	10/19/15 15:01	101-55-3	
Butylbenzylphthalate	<32.5	ug/kg	108	32.5	1	10/16/15 12:33	10/19/15 15:01	85-68-7	
Carbazole	<31.7	ug/kg	106	31.7	1	10/16/15 12:33	10/19/15 15:01	86-74-8	
4-Chloro-3-methylphenol	<63.0	ug/kg	210	63.0	1	10/16/15 12:33	10/19/15 15:01	59-50-7	
4-Chloroaniline	<33.3	ug/kg	111	33.3	1	10/16/15 12:33	10/19/15 15:01	106-47-8	
bis(2-Chloroethoxy)methane	<54.5	ug/kg	182	54.5	1	10/16/15 12:33	10/19/15 15:01	111-91-1	
bis(2-Chloroethyl) ether	<63.2	ug/kg	211	63.2	1	10/16/15 12:33	10/19/15 15:01	111-44-4	
2-Chloronaphthalene	<26.0	ug/kg	86.6	26.0	1	10/16/15 12:33	10/19/15 15:01	91-58-7	
2-Chlorophenol	<50.5	ug/kg	168	50.5	1	10/16/15 12:33	10/19/15 15:01	95-57-8	
4-Chlorophenylphenyl ether	<37.7	ug/kg	126	37.7	1	10/16/15 12:33	10/19/15 15:01	7005-72-3	
Chrysene	<30.3	ug/kg	101	30.3	1	10/16/15 12:33	10/19/15 15:01	218-01-9	
Dibenz(a,h)anthracene	<55.0	ug/kg	183	55.0	1	10/16/15 12:33	10/19/15 15:01	53-70-3	
Dibenzofuran	<24.5	ug/kg	81.7	24.5	1	10/16/15 12:33	10/19/15 15:01	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-2 (0-5)-101315 Lab ID: 40122822039 Collected: 10/13/15 12:12 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<63.6	ug/kg	212	63.6	1	10/16/15 12:33	10/19/15 15:01	95-50-1	
1,3-Dichlorobenzene	<28.0	ug/kg	93.4	28.0	1	10/16/15 12:33	10/19/15 15:01	541-73-1	
1,4-Dichlorobenzene	<28.2	ug/kg	94.0	28.2	1	10/16/15 12:33	10/19/15 15:01	106-46-7	
3,3'-Dichlorobenzidine	<54.9	ug/kg	183	54.9	1	10/16/15 12:33	10/19/15 15:01	91-94-1	
2,4-Dichlorophenol	<54.1	ug/kg	180	54.1	1	10/16/15 12:33	10/19/15 15:01	120-83-2	
Diethylphthalate	<33.6	ug/kg	112	33.6	1	10/16/15 12:33	10/19/15 15:01	84-66-2	
2,4-Dimethylphenol	<40.0	ug/kg	133	40.0	1	10/16/15 12:33	10/19/15 15:01	105-67-9	
Dimethylphthalate	<26.3	ug/kg	87.8	26.3	1	10/16/15 12:33	10/19/15 15:01	131-11-3	
Di-n-butylphthalate	<30.2	ug/kg	101	30.2	1	10/16/15 12:33	10/19/15 15:01	84-74-2	
4,6-Dinitro-2-methylphenol	<62.4	ug/kg	208	62.4	1	10/16/15 12:33	10/19/15 15:01	534-52-1	
2,4-Dinitrophenol	<61.6	ug/kg	205	61.6	1	10/16/15 12:33	10/19/15 15:01	51-28-5	
2,4-Dinitrotoluene	<28.9	ug/kg	96.5	28.9	1	10/16/15 12:33	10/19/15 15:01	121-14-2	
2,6-Dinitrotoluene	<38.4	ug/kg	128	38.4	1	10/16/15 12:33	10/19/15 15:01	606-20-2	
Di-n-octylphthalate	<45.5	ug/kg	152	45.5	1	10/16/15 12:33	10/19/15 15:01	117-84-0	
bis(2-Ethylhexyl)phthalate	<33.7	ug/kg	112	33.7	1	10/16/15 12:33	10/19/15 15:01	117-81-7	
Fluoranthene	<28.6	ug/kg	95.5	28.6	1	10/16/15 12:33	10/19/15 15:01	206-44-0	
Fluorene	<23.7	ug/kg	78.8	23.7	1	10/16/15 12:33	10/19/15 15:01	86-73-7	
Hexachloro-1,3-butadiene	<51.6	ug/kg	172	51.6	1	10/16/15 12:33	10/19/15 15:01	87-68-3	
Hexachlorobenzene	<34.0	ug/kg	113	34.0	1	10/16/15 12:33	10/19/15 15:01	118-74-1	
Hexachlorocyclopentadiene	<47.9	ug/kg	160	47.9	1	10/16/15 12:33	10/19/15 15:01	77-47-4	
Hexachloroethane	<32.4	ug/kg	108	32.4	1	10/16/15 12:33	10/19/15 15:01	67-72-1	
Indeno(1,2,3-cd)pyrene	<43.8	ug/kg	146	43.8	1	10/16/15 12:33	10/19/15 15:01	193-39-5	
Isophorone	<31.1	ug/kg	104	31.1	1	10/16/15 12:33	10/19/15 15:01	78-59-1	
2-Methylnaphthalene	<52.5	ug/kg	175	52.5	1	10/16/15 12:33	10/19/15 15:01	91-57-6	
2-Methylphenol(o-Cresol)	<36.8	ug/kg	123	36.8	1	10/16/15 12:33	10/19/15 15:01	95-48-7	
3&4-Methylphenol(m&p Cresol)	<37.1	ug/kg	124	37.1	1	10/16/15 12:33	10/19/15 15:01		
Naphthalene	<70.8	ug/kg	236	70.8	1	10/16/15 12:33	10/19/15 15:01	91-20-3	
2-Nitroaniline	<57.7	ug/kg	192	57.7	1	10/16/15 12:33	10/19/15 15:01	88-74-4	
3-Nitroaniline	<34.4	ug/kg	115	34.4	1	10/16/15 12:33	10/19/15 15:01	99-09-2	
4-Nitroaniline	<84.0	ug/kg	280	84.0	1	10/16/15 12:33	10/19/15 15:01	100-01-6	
Nitrobenzene	<41.0	ug/kg	137	41.0	1	10/16/15 12:33	10/19/15 15:01	98-95-3	
2-Nitrophenol	<63.9	ug/kg	213	63.9	1	10/16/15 12:33	10/19/15 15:01	88-75-5	
4-Nitrophenol	<51.0	ug/kg	170	51.0	1	10/16/15 12:33	10/19/15 15:01	100-02-7	
N-Nitroso-di-n-propylamine	<32.1	ug/kg	107	32.1	1	10/16/15 12:33	10/19/15 15:01	621-64-7	
N-Nitrosodiphenylamine	<275	ug/kg	915	275	1	10/16/15 12:33	10/19/15 15:01	86-30-6	
2,2'-Oxybis(1-chloropropane)	<52.2	ug/kg	174	52.2	1	10/16/15 12:33	10/19/15 15:01	108-60-1	
Pentachlorophenol	<44.6	ug/kg	149	44.6	1	10/16/15 12:33	10/19/15 15:01	87-86-5	
Phenanthrene	<26.0	ug/kg	86.5	26.0	1	10/16/15 12:33	10/19/15 15:01	85-01-8	
Phenol	<48.0	ug/kg	160	48.0	1	10/16/15 12:33	10/19/15 15:01	108-95-2	
Pyrene	<44.9	ug/kg	150	44.9	1	10/16/15 12:33	10/19/15 15:01	129-00-0	
1,2,4-Trichlorobenzene	<22.9	ug/kg	76.3	22.9	1	10/16/15 12:33	10/19/15 15:01	120-82-1	
2,4,5-Trichlorophenol	<35.7	ug/kg	119	35.7	1	10/16/15 12:33	10/19/15 15:01	95-95-4	
2,4,6-Trichlorophenol	<30.9	ug/kg	103	30.9	1	10/16/15 12:33	10/19/15 15:01	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	70	%	45-130		1	10/16/15 12:33	10/19/15 15:01	4165-60-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-2 (0-5)-101315 Lab ID: 40122822039 Collected: 10/13/15 12:12 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	64	%	51-130		1	10/16/15 12:33	10/19/15 15:01	321-60-8	
Terphenyl-d14 (S)	68	%	37-134		1	10/16/15 12:33	10/19/15 15:01	1718-51-0	
Phenol-d6 (S)	58	%	36-130		1	10/16/15 12:33	10/19/15 15:01	13127-88-3	
2-Fluorophenol (S)	61	%	37-130		1	10/16/15 12:33	10/19/15 15:01	367-12-4	
2,4,6-Tribromophenol (S)	67	%	30-130		1	10/16/15 12:33	10/19/15 15:01	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<5.5	ug/kg	17.8	5.5	1	10/16/15 12:00	10/16/15 15:04	67-64-1	2q
Benzene	<1.4	ug/kg	4.4	1.4	1	10/16/15 12:00	10/16/15 15:04	71-43-2	
Bromodichloromethane	<0.97	ug/kg	4.4	0.97	1	10/16/15 12:00	10/16/15 15:04	75-27-4	
Bromoform	<0.75	ug/kg	4.4	0.75	1	10/16/15 12:00	10/16/15 15:04	75-25-2	
Bromomethane	<1.3	ug/kg	8.9	1.3	1	10/16/15 12:00	10/16/15 15:04	74-83-9	
2-Butanone (MEK)	<2.5	ug/kg	17.8	2.5	1	10/16/15 12:00	10/16/15 15:04	78-93-3	
Carbon disulfide	<1.1	ug/kg	4.4	1.1	1	10/16/15 12:00	10/16/15 15:04	75-15-0	
Carbon tetrachloride	<1.4	ug/kg	4.4	1.4	1	10/16/15 12:00	10/16/15 15:04	56-23-5	
Chlorobenzene	<1.4	ug/kg	4.4	1.4	1	10/16/15 12:00	10/16/15 15:04	108-90-7	
Chloroethane	<1.8	ug/kg	4.4	1.8	1	10/16/15 12:00	10/16/15 15:04	75-00-3	
Chloroform	<0.84	ug/kg	4.4	0.84	1	10/16/15 12:00	10/16/15 15:04	67-66-3	
Chloromethane	<0.50	ug/kg	4.4	0.50	1	10/16/15 12:00	10/16/15 15:04	74-87-3	
Dibromochloromethane	<1.5	ug/kg	4.4	1.5	1	10/16/15 12:00	10/16/15 15:04	124-48-1	
1,1-Dichloroethane	<2.1	ug/kg	4.4	2.1	1	10/16/15 12:00	10/16/15 15:04	75-34-3	
1,2-Dichloroethane	<0.87	ug/kg	4.4	0.87	1	10/16/15 12:00	10/16/15 15:04	107-06-2	
1,1-Dichloroethene	<2.0	ug/kg	4.4	2.0	1	10/16/15 12:00	10/16/15 15:04	75-35-4	
cis-1,2-Dichloroethene	<1.2	ug/kg	4.4	1.2	1	10/16/15 12:00	10/16/15 15:04	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/kg	4.4	1.1	1	10/16/15 12:00	10/16/15 15:04	156-60-5	
1,2-Dichloropropane	<1.1	ug/kg	4.4	1.1	1	10/16/15 12:00	10/16/15 15:04	78-87-5	
cis-1,3-Dichloropropene	<0.59	ug/kg	4.4	0.59	1	10/16/15 12:00	10/16/15 15:04	10061-01-5	
trans-1,3-Dichloropropene	<0.82	ug/kg	4.4	0.82	1	10/16/15 12:00	10/16/15 15:04	10061-02-6	
Ethylbenzene	<1.3	ug/kg	4.4	1.3	1	10/16/15 12:00	10/16/15 15:04	100-41-4	
2-Hexanone	<1.3	ug/kg	4.4	1.3	1	10/16/15 12:00	10/16/15 15:04	591-78-6	
Methylene Chloride	<1.6	ug/kg	4.4	1.6	1	10/16/15 12:00	10/16/15 15:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	<1.1	ug/kg	4.4	1.1	1	10/16/15 12:00	10/16/15 15:04	108-10-1	
Methyl-tert-butyl ether	<0.89	ug/kg	4.4	0.89	1	10/16/15 12:00	10/16/15 15:04	1634-04-4	
Styrene	<0.67	ug/kg	4.4	0.67	1	10/16/15 12:00	10/16/15 15:04	100-42-5	
1,1,2,2-Tetrachloroethane	<1.8	ug/kg	4.4	1.8	1	10/16/15 12:00	10/16/15 15:04	79-34-5	
Tetrachloroethene	<1.4	ug/kg	4.4	1.4	1	10/16/15 12:00	10/16/15 15:04	127-18-4	
Toluene	<1.3	ug/kg	4.4	1.3	1	10/16/15 12:00	10/16/15 15:04	108-88-3	
1,1,1-Trichloroethane	<1.4	ug/kg	4.4	1.4	1	10/16/15 12:00	10/16/15 15:04	71-55-6	
1,1,2-Trichloroethane	<1.7	ug/kg	4.4	1.7	1	10/16/15 12:00	10/16/15 15:04	79-00-5	
Trichloroethene	<1.7	ug/kg	4.4	1.7	1	10/16/15 12:00	10/16/15 15:04	79-01-6	
Vinyl chloride	<0.48	ug/kg	4.4	0.48	1	10/16/15 12:00	10/16/15 15:04	75-01-4	
Xylene (Total)	<4.0	ug/kg	13.3	4.0	1	10/16/15 12:00	10/16/15 15:04	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	107	%	70-130		1	10/16/15 12:00	10/16/15 15:04	1868-53-7	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-2 (0-5)-101315 **Lab ID: 40122822039** Collected: 10/13/15 12:12 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	100	%	67-138		1	10/16/15 12:00	10/16/15 15:04	2037-26-5	
4-Bromofluorobenzene (S)	91	%	68-130		1	10/16/15 12:00	10/16/15 15:04	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	17.5	%	0.10	0.10	1		10/14/15 19:36		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	7.53	Std. Units	0.100	0.0100	1		10/15/15 20:45		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-2 (5-9)-101315 Lab ID: 4012282040 Collected: 10/13/15 12:18 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.47	mg/kg	0.93	0.47	1	10/20/15 07:39	10/20/15 19:24	7440-36-0	
Arsenic	3.5	mg/kg	0.93	0.47	1	10/20/15 07:39	10/20/15 19:24	7440-38-2	
Barium	9.2	mg/kg	0.93	0.47	1	10/20/15 07:39	10/20/15 19:24	7440-39-3	
Beryllium	<0.23	mg/kg	0.47	0.23	1	10/20/15 07:39	10/20/15 19:24	7440-41-7	
Cadmium	<0.23	mg/kg	0.47	0.23	1	10/20/15 07:39	10/20/15 19:24	7440-43-9	
Calcium	161000	mg/kg	933	466	20	10/20/15 07:39	10/20/15 22:31	7440-70-2	4q
Chromium	5.5	mg/kg	0.93	0.47	1	10/20/15 07:39	10/20/15 19:24	7440-47-3	
Cobalt	2.1	mg/kg	0.93	0.47	1	10/20/15 07:39	10/20/15 19:24	7440-48-4	
Copper	7.1	mg/kg	0.93	0.47	1	10/20/15 07:39	10/20/15 19:24	7440-50-8	
Iron	5750	mg/kg	46.6	23.3	1	10/20/15 07:39	10/20/15 19:24	7439-89-6	
Lead	2.5	mg/kg	0.93	0.47	1	10/20/15 07:39	10/20/15 19:24	7439-92-1	
Magnesium	97600	mg/kg	933	466	20	10/20/15 07:39	10/20/15 22:31	7439-95-4	
Manganese	281	mg/kg	0.93	0.47	1	10/20/15 07:39	10/20/15 19:24	7439-96-5	
Nickel	5.5	mg/kg	0.93	0.47	1	10/20/15 07:39	10/20/15 19:24	7440-02-0	
Potassium	742	mg/kg	46.6	23.3	1	10/20/15 07:39	10/20/15 19:24	7440-09-7	
Selenium	<0.47	mg/kg	0.93	0.47	1	10/20/15 07:39	10/20/15 19:24	7782-49-2	
Silver	<0.23	mg/kg	0.47	0.23	1	10/20/15 07:39	10/20/15 19:24	7440-22-4	
Sodium	560	mg/kg	46.6	23.3	1	10/20/15 07:39	10/20/15 19:24	7440-23-5	
Thallium	0.58J	mg/kg	0.93	0.47	1	10/20/15 07:39	10/20/15 19:24	7440-28-0	
Vanadium	9.0	mg/kg	0.93	0.47	1	10/20/15 07:39	10/20/15 19:24	7440-62-2	
Zinc	12.4	mg/kg	0.93	0.47	1	10/20/15 07:39	10/20/15 19:24	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/14/15 17:34

Arsenic	<0.025	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:27	7440-38-2	
Barium	<0.25	mg/L	0.50	0.25	1	10/15/15 16:47	10/22/15 14:27	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:27	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/15/15 16:47	10/22/15 14:27	7440-43-9	
Chromium	<0.025	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:27	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:27	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:27	7440-50-8	
Iron	<0.25	mg/L	0.50	0.25	1	10/15/15 16:47	10/22/15 14:27	7439-89-6	
Lead	<0.0038	mg/L	0.0075	0.0038	1	10/15/15 16:47	10/22/15 14:27	7439-92-1	3q
Manganese	<0.025	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:27	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:27	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:27	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:27	7440-22-4	
Zinc	<0.025	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:27	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/14/15 17:33

Arsenic	<0.025	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:42	7440-38-2	
Barium	<0.25	mg/L	0.50	0.25	1	10/15/15 16:26	10/22/15 13:42	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:42	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/15/15 16:26	10/22/15 13:42	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-2 (5-9)-101315 **Lab ID: 4012282040** Collected: 10/13/15 12:18 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/14/15 17:33									
Chromium	<0.025	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:42	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:42	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:42	7440-50-8	
Iron	<0.25	mg/L	0.50	0.25	1	10/15/15 16:26	10/22/15 13:42	7439-89-6	
Lead	<0.0030	mg/L	0.0075	0.0030	1	10/15/15 16:26	10/22/15 13:42	7439-92-1	
Manganese	0.78	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:42	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:42	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:42	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:42	7440-22-4	
Zinc	<0.025	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:42	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/14/15 17:34									
Mercury	<0.10	ug/L	0.20	0.10	1	10/16/15 09:15	10/19/15 09:27	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/14/15 17:33									
Mercury	<0.10	ug/L	0.20	0.10	1	10/16/15 09:15	10/19/15 10:25	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	<0.0041	mg/kg	0.21	0.0041	1	10/19/15 14:39	10/19/15 23:36	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<62.0	ug/kg	207	62.0	1	10/16/15 12:33	10/19/15 16:27	83-32-9	
Acenaphthylene	<62.4	ug/kg	208	62.4	1	10/16/15 12:33	10/19/15 16:27	208-96-8	
Anthracene	<27.9	ug/kg	93.1	27.9	1	10/16/15 12:33	10/19/15 16:27	120-12-7	
Benzo(a)anthracene	<27.1	ug/kg	90.2	27.1	1	10/16/15 12:33	10/19/15 16:27	56-55-3	
Benzo(a)pyrene	<26.3	ug/kg	87.7	26.3	1	10/16/15 12:33	10/19/15 16:27	50-32-8	
Benzo(b)fluoranthene	<30.0	ug/kg	100	30.0	1	10/16/15 12:33	10/19/15 16:27	205-99-2	
Benzo(g,h,i)perylene	<45.7	ug/kg	152	45.7	1	10/16/15 12:33	10/19/15 16:27	191-24-2	
Benzo(k)fluoranthene	<41.9	ug/kg	140	41.9	1	10/16/15 12:33	10/19/15 16:27	207-08-9	
4-Bromophenylphenyl ether	<36.6	ug/kg	122	36.6	1	10/16/15 12:33	10/19/15 16:27	101-55-3	
Butylbenzylphthalate	<28.0	ug/kg	93.4	28.0	1	10/16/15 12:33	10/19/15 16:27	85-68-7	
Carbazole	<27.4	ug/kg	91.2	27.4	1	10/16/15 12:33	10/19/15 16:27	86-74-8	
4-Chloro-3-methylphenol	<54.4	ug/kg	181	54.4	1	10/16/15 12:33	10/19/15 16:27	59-50-7	
4-Chloroaniline	<28.7	ug/kg	95.7	28.7	1	10/16/15 12:33	10/19/15 16:27	106-47-8	
bis(2-Chloroethoxy)methane	<47.1	ug/kg	157	47.1	1	10/16/15 12:33	10/19/15 16:27	111-91-1	
bis(2-Chloroethyl) ether	<54.6	ug/kg	182	54.6	1	10/16/15 12:33	10/19/15 16:27	111-44-4	
2-Chloronaphthalene	<22.4	ug/kg	74.8	22.4	1	10/16/15 12:33	10/19/15 16:27	91-58-7	
2-Chlorophenol	<43.6	ug/kg	145	43.6	1	10/16/15 12:33	10/19/15 16:27	95-57-8	
4-Chlorophenylphenyl ether	<32.6	ug/kg	109	32.6	1	10/16/15 12:33	10/19/15 16:27	7005-72-3	
Chrysene	<26.1	ug/kg	87.1	26.1	1	10/16/15 12:33	10/19/15 16:27	218-01-9	
Dibenz(a,h)anthracene	<47.5	ug/kg	158	47.5	1	10/16/15 12:33	10/19/15 16:27	53-70-3	
Dibenzofuran	<21.2	ug/kg	70.5	21.2	1	10/16/15 12:33	10/19/15 16:27	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-2 (5-9)-101315 Lab ID: 40122822040 Collected: 10/13/15 12:18 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<55.0	ug/kg	183	55.0	1	10/16/15 12:33	10/19/15 16:27	95-50-1	
1,3-Dichlorobenzene	<24.2	ug/kg	80.7	24.2	1	10/16/15 12:33	10/19/15 16:27	541-73-1	
1,4-Dichlorobenzene	<24.4	ug/kg	81.2	24.4	1	10/16/15 12:33	10/19/15 16:27	106-46-7	
3,3'-Dichlorobenzidine	<47.4	ug/kg	158	47.4	1	10/16/15 12:33	10/19/15 16:27	91-94-1	
2,4-Dichlorophenol	<46.7	ug/kg	156	46.7	1	10/16/15 12:33	10/19/15 16:27	120-83-2	
Diethylphthalate	<29.0	ug/kg	96.6	29.0	1	10/16/15 12:33	10/19/15 16:27	84-66-2	
2,4-Dimethylphenol	<34.6	ug/kg	115	34.6	1	10/16/15 12:33	10/19/15 16:27	105-67-9	
Dimethylphthalate	<22.7	ug/kg	75.8	22.7	1	10/16/15 12:33	10/19/15 16:27	131-11-3	
Di-n-butylphthalate	<26.1	ug/kg	87.1	26.1	1	10/16/15 12:33	10/19/15 16:27	84-74-2	
4,6-Dinitro-2-methylphenol	<53.9	ug/kg	180	53.9	1	10/16/15 12:33	10/19/15 16:27	534-52-1	
2,4-Dinitrophenol	<53.2	ug/kg	177	53.2	1	10/16/15 12:33	10/19/15 16:27	51-28-5	
2,4-Dinitrotoluene	<25.0	ug/kg	83.3	25.0	1	10/16/15 12:33	10/19/15 16:27	121-14-2	
2,6-Dinitrotoluene	<33.2	ug/kg	111	33.2	1	10/16/15 12:33	10/19/15 16:27	606-20-2	
Di-n-octylphthalate	<39.3	ug/kg	131	39.3	1	10/16/15 12:33	10/19/15 16:27	117-84-0	
bis(2-Ethylhexyl)phthalate	<29.1	ug/kg	96.9	29.1	1	10/16/15 12:33	10/19/15 16:27	117-81-7	
Fluoranthene	<24.7	ug/kg	82.4	24.7	1	10/16/15 12:33	10/19/15 16:27	206-44-0	
Fluorene	<20.4	ug/kg	68.1	20.4	1	10/16/15 12:33	10/19/15 16:27	86-73-7	
Hexachloro-1,3-butadiene	<44.5	ug/kg	148	44.5	1	10/16/15 12:33	10/19/15 16:27	87-68-3	
Hexachlorobenzene	<29.4	ug/kg	98.0	29.4	1	10/16/15 12:33	10/19/15 16:27	118-74-1	
Hexachlorocyclopentadiene	<41.4	ug/kg	138	41.4	1	10/16/15 12:33	10/19/15 16:27	77-47-4	
Hexachloroethane	<28.0	ug/kg	93.2	28.0	1	10/16/15 12:33	10/19/15 16:27	67-72-1	
Indeno(1,2,3-cd)pyrene	<37.8	ug/kg	126	37.8	1	10/16/15 12:33	10/19/15 16:27	193-39-5	
Isophorone	<26.9	ug/kg	89.6	26.9	1	10/16/15 12:33	10/19/15 16:27	78-59-1	
2-Methylnaphthalene	<45.4	ug/kg	151	45.4	1	10/16/15 12:33	10/19/15 16:27	91-57-6	
2-Methylphenol(o-Cresol)	<31.8	ug/kg	106	31.8	1	10/16/15 12:33	10/19/15 16:27	95-48-7	
3&4-Methylphenol(m&p Cresol)	<32.0	ug/kg	107	32.0	1	10/16/15 12:33	10/19/15 16:27		
Naphthalene	<61.1	ug/kg	204	61.1	1	10/16/15 12:33	10/19/15 16:27	91-20-3	
2-Nitroaniline	<49.8	ug/kg	166	49.8	1	10/16/15 12:33	10/19/15 16:27	88-74-4	
3-Nitroaniline	<29.7	ug/kg	99.1	29.7	1	10/16/15 12:33	10/19/15 16:27	99-09-2	
4-Nitroaniline	<72.5	ug/kg	242	72.5	1	10/16/15 12:33	10/19/15 16:27	100-01-6	
Nitrobenzene	<35.4	ug/kg	118	35.4	1	10/16/15 12:33	10/19/15 16:27	98-95-3	
2-Nitrophenol	<55.2	ug/kg	184	55.2	1	10/16/15 12:33	10/19/15 16:27	88-75-5	
4-Nitrophenol	<44.0	ug/kg	147	44.0	1	10/16/15 12:33	10/19/15 16:27	100-02-7	
N-Nitroso-di-n-propylamine	<27.7	ug/kg	92.4	27.7	1	10/16/15 12:33	10/19/15 16:27	621-64-7	
N-Nitrosodiphenylamine	<237	ug/kg	791	237	1	10/16/15 12:33	10/19/15 16:27	86-30-6	
2,2'-Oxybis(1-chloropropane)	<45.1	ug/kg	150	45.1	1	10/16/15 12:33	10/19/15 16:27	108-60-1	
Pentachlorophenol	<38.5	ug/kg	128	38.5	1	10/16/15 12:33	10/19/15 16:27	87-86-5	
Phenanthrene	<22.4	ug/kg	74.7	22.4	1	10/16/15 12:33	10/19/15 16:27	85-01-8	
Phenol	<41.5	ug/kg	138	41.5	1	10/16/15 12:33	10/19/15 16:27	108-95-2	
Pyrene	<38.7	ug/kg	129	38.7	1	10/16/15 12:33	10/19/15 16:27	129-00-0	
1,2,4-Trichlorobenzene	<19.8	ug/kg	65.9	19.8	1	10/16/15 12:33	10/19/15 16:27	120-82-1	
2,4,5-Trichlorophenol	<30.9	ug/kg	103	30.9	1	10/16/15 12:33	10/19/15 16:27	95-95-4	
2,4,6-Trichlorophenol	<26.7	ug/kg	88.8	26.7	1	10/16/15 12:33	10/19/15 16:27	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	68	%	45-130		1	10/16/15 12:33	10/19/15 16:27	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-2 (5-9)-101315 Lab ID: 4012282040 Collected: 10/13/15 12:18 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	-----	-----	----	----------	----------	---------	------

8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

2-Fluorobiphenyl (S)	68	%	51-130		1	10/16/15 12:33	10/19/15 16:27	321-60-8	
Terphenyl-d14 (S)	78	%	37-134		1	10/16/15 12:33	10/19/15 16:27	1718-51-0	
Phenol-d6 (S)	57	%	36-130		1	10/16/15 12:33	10/19/15 16:27	13127-88-3	
2-Fluorophenol (S)	55	%	37-130		1	10/16/15 12:33	10/19/15 16:27	367-12-4	
2,4,6-Tribromophenol (S)	78	%	30-130		1	10/16/15 12:33	10/19/15 16:27	118-79-6	

8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260

Acetone	<3.9	ug/kg	12.4	3.9	1	10/16/15 12:00	10/16/15 15:27	67-64-1	2q
Benzene	<1.0	ug/kg	3.1	1.0	1	10/16/15 12:00	10/16/15 15:27	71-43-2	
Bromodichloromethane	<0.68	ug/kg	3.1	0.68	1	10/16/15 12:00	10/16/15 15:27	75-27-4	
Bromoform	<0.53	ug/kg	3.1	0.53	1	10/16/15 12:00	10/16/15 15:27	75-25-2	
Bromomethane	<0.93	ug/kg	6.2	0.93	1	10/16/15 12:00	10/16/15 15:27	74-83-9	
2-Butanone (MEK)	<1.8	ug/kg	12.4	1.8	1	10/16/15 12:00	10/16/15 15:27	78-93-3	
Carbon disulfide	<0.80	ug/kg	3.1	0.80	1	10/16/15 12:00	10/16/15 15:27	75-15-0	
Carbon tetrachloride	<0.99	ug/kg	3.1	0.99	1	10/16/15 12:00	10/16/15 15:27	56-23-5	
Chlorobenzene	<0.98	ug/kg	3.1	0.98	1	10/16/15 12:00	10/16/15 15:27	108-90-7	
Chloroethane	<1.2	ug/kg	3.1	1.2	1	10/16/15 12:00	10/16/15 15:27	75-00-3	
Chloroform	<0.59	ug/kg	3.1	0.59	1	10/16/15 12:00	10/16/15 15:27	67-66-3	
Chloromethane	<0.35	ug/kg	3.1	0.35	1	10/16/15 12:00	10/16/15 15:27	74-87-3	
Dibromochloromethane	<1.1	ug/kg	3.1	1.1	1	10/16/15 12:00	10/16/15 15:27	124-48-1	
1,1-Dichloroethane	<1.5	ug/kg	3.1	1.5	1	10/16/15 12:00	10/16/15 15:27	75-34-3	
1,2-Dichloroethane	<0.61	ug/kg	3.1	0.61	1	10/16/15 12:00	10/16/15 15:27	107-06-2	
1,1-Dichloroethene	<1.4	ug/kg	3.1	1.4	1	10/16/15 12:00	10/16/15 15:27	75-35-4	
cis-1,2-Dichloroethene	<0.82	ug/kg	3.1	0.82	1	10/16/15 12:00	10/16/15 15:27	156-59-2	
trans-1,2-Dichloroethene	<0.77	ug/kg	3.1	0.77	1	10/16/15 12:00	10/16/15 15:27	156-60-5	
1,2-Dichloropropane	<0.78	ug/kg	3.1	0.78	1	10/16/15 12:00	10/16/15 15:27	78-87-5	
cis-1,3-Dichloropropene	<0.41	ug/kg	3.1	0.41	1	10/16/15 12:00	10/16/15 15:27	10061-01-5	
trans-1,3-Dichloropropene	<0.58	ug/kg	3.1	0.58	1	10/16/15 12:00	10/16/15 15:27	10061-02-6	
Ethylbenzene	<0.90	ug/kg	3.1	0.90	1	10/16/15 12:00	10/16/15 15:27	100-41-4	
2-Hexanone	<0.92	ug/kg	3.1	0.92	1	10/16/15 12:00	10/16/15 15:27	591-78-6	
Methylene Chloride	<1.1	ug/kg	3.1	1.1	1	10/16/15 12:00	10/16/15 15:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.76	ug/kg	3.1	0.76	1	10/16/15 12:00	10/16/15 15:27	108-10-1	
Methyl-tert-butyl ether	<0.62	ug/kg	3.1	0.62	1	10/16/15 12:00	10/16/15 15:27	1634-04-4	
Styrene	<0.47	ug/kg	3.1	0.47	1	10/16/15 12:00	10/16/15 15:27	100-42-5	
1,1,2,2-Tetrachloroethane	<1.3	ug/kg	3.1	1.3	1	10/16/15 12:00	10/16/15 15:27	79-34-5	
Tetrachloroethene	<0.98	ug/kg	3.1	0.98	1	10/16/15 12:00	10/16/15 15:27	127-18-4	
Toluene	<0.92	ug/kg	3.1	0.92	1	10/16/15 12:00	10/16/15 15:27	108-88-3	
1,1,1-Trichloroethane	<0.96	ug/kg	3.1	0.96	1	10/16/15 12:00	10/16/15 15:27	71-55-6	
1,1,2-Trichloroethane	<1.2	ug/kg	3.1	1.2	1	10/16/15 12:00	10/16/15 15:27	79-00-5	
Trichloroethene	<1.2	ug/kg	3.1	1.2	1	10/16/15 12:00	10/16/15 15:27	79-01-6	
Vinyl chloride	<0.34	ug/kg	3.1	0.34	1	10/16/15 12:00	10/16/15 15:27	75-01-4	
Xylene (Total)	<2.8	ug/kg	9.3	2.8	1	10/16/15 12:00	10/16/15 15:27	1330-20-7	

Surrogates

Dibromofluoromethane (S)	99	%	70-130		1	10/16/15 12:00	10/16/15 15:27	1868-53-7	
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL1-2 (5-9)-101315 **Lab ID: 4012282040** Collected: 10/13/15 12:18 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	101	%	67-138		1	10/16/15 12:00	10/16/15 15:27	2037-26-5	
4-Bromofluorobenzene (S)	94	%	68-130		1	10/16/15 12:00	10/16/15 15:27	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	4.5	%	0.10	0.10	1		10/14/15 19:37		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	8.55	Std. Units	0.100	0.0100	1		10/15/15 20:45		H6

Revised 11/05/15 16:33

REPORT OF LABORATORY ANALYSIS

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CHAIN OF CUSTODY

UPPER MIDWEST REGION
Phone: 612-607-1700
WI: 920-469-2436

Page 1 of 1
41002822
Page 874 of 378

Company Name: **EDI**

Branch/Location:

Project Contact: **Patricia Collins**

Phone: **312-345-1900**

Project Number: **10295.0201**

Project Name: **FAI 55**

Project State:

Sampled By (Print): **Cia R...**

Sampled By (Sign): *[Signature]*

PO #:

Regulatory Program:

Matrix Codes:
 A = Air
 B = Biot
 C = Charcoal
 O = Oil
 S = Soil
 SI = Sludge
 W = Water
 DW = Drinking Water
 GW = Ground Water
 SW = Surface Water
 WW = Waste Water
 WP = Wipe

Preservation Codes:
 A=None B-HCl C-H2SO4 D-HNO3 E-DI Water F-Methanol G-NaOH
 H-Sodium Bisulfate Solution I-Sodium Thiosulfate J-Other

Filtered? (YES/NO)

Preservation (CODE)

PAGE LAB #	CLIENT FIELD ID	COLLECTION DATE	TIME	MATRIX	Analyses Requested	
					Pick Letter	Y / N
001	SR-1(6-2)-101315	10/1/15	0850	61	X	VOCs
002	SR-2(6-2)-101315		0905		X	SVOCs
003	SR-2(6-2)-101315		0910		X	Total Metals
004	SR-3(6-2)-101315		0930		X	TCLP Metals
005	SR-4(6-2)-101315		0940		X	SPLP Metals
006	SR-5(6-2)-101315		1000		X	PH
007	SR-12(6-4)-101315		1045		X	
008	SR-13(6-3)-101315		1105		X	
009	VU-1(6-3)-101315		1125		X	
010	VU-2(6-3)-101315		1140		X	
011	PV-1(6-4)-101315		1245		X	
012	PV-1(6-4)-101315		1245		X	
013	PV-2(6-4)-101315		1325		X	

Relinquished By: *[Signature]* Date/Time: 10/1/15 1541

Received By: *[Signature]* Date/Time: 10/1/15 1344

Relinquished By: *[Signature]* Date/Time: 10/1/15 1730

Received By: *[Signature]* Date/Time: 10/1/15

Relinquished By: *[Signature]* Date/Time: 10/1/15 1000

Received By: *[Signature]* Date/Time: 10/1/15 1000

Quote #:

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS 3-40MVA EEF 3-40KVA

LAB COMMENTS (Lab Use Only) Profile #

Receipt Temp = 51.04 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

(Please Print Clearly)

Company Name: EDT
Branch/Location:
Project Contact: Patricia/Colin
Phone:
Project Number: 0295.020
Project Name: IDOT 035-056
Project State: Illinois
Sampled By (Print): Margaret Donovan-Sklar
Sampled By (Sign): Margaret Donovan-Sklar
PO #:
Regulatory Program:

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD (billable)
 On your sample
 NOT needed on your sample

Matrix Codes
 A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water

PAGE LAB # | **CLIENT FIELD ID** | **DATE** | **TIME** | **MATRIX**



CHAIN OF CUSTODY

Preservation Codes
 A=None, B=HCL, C=H2SO4, D=HNO3, E=DI Water, F=Methanol, G=NaOH, H=Sodium Bisulfate Solution, I=Sodium Thiosulfate, J=Other

FILTERED? (YES/NO)
PRESERVATION CODE*

Y/N	Pick Letter	Analyses Requested
N	EF	VOCS
N	A	SUOCS
N	A	Total Metals
N	A	TCLP Metals
N	A	SPLP Metals
N	A	PH

Relinquished By: [Signature] Date/Time: 10-13-15 15:40
Received By: [Signature] Date/Time: 10-13-15 15:40

Relinquished By: [Signature] Date/Time: 10-13-15 17:30
Received By: [Signature] Date/Time: 10-13-15 17:30

Relinquished By: [Signature] Date/Time: 10-13-15 18:00
Received By: [Signature] Date/Time: 10-13-15 18:00

Quote #:
Mail To Contact:
Mail To Company:
Mail To Address:
Invoice To Contact:
Invoice To Company:
Invoice To Address:
Invoice To Phone:
CLIENT COMMENTS
 3-4PMV EF 3-4022gA
LAB COMMENTS (Lab Use Only)
 Profile #

Relinquished By: [Signature] Date/Time: 10-13-15 18:00
Received By: [Signature] Date/Time: 10-13-15 18:00

Relinquished By: [Signature] Date/Time: 10-13-15 18:00
Received By: [Signature] Date/Time: 10-13-15 18:00

Relinquished By: [Signature] Date/Time: 10-13-15 18:00
Received By: [Signature] Date/Time: 10-13-15 18:00

Relinquished By: [Signature] Date/Time: 10-13-15 18:00
Received By: [Signature] Date/Time: 10-13-15 18:00

(Please Print Clearly)

Company Name: EDI
Branch/Location:
Project Contact: Patricia Colin
Phone:
Project Number: 0295.020
Project Name: DOT 035 USE ET-SS
Project State: Illinois
Sampled By (Print): Margaret Dehew-Skull
Sampled By (Sign): *Margaret Dehew-Skull*
PO #:
Regulatory Program:

Matrix Codes
A = Air
B = Biot
C = Charcoal
O = Oil
S = Soil
Sl = Sludge
W = Water
DW = Drinking Water
GW = Ground Water
SW = Surface Water
WW = Waste Water
WP = Wipe

CHAIN OF CUSTODY

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436
www.faceanalytical.com

Filtered? (YES/NO)
PRESERVATION (CODE)*
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfite Solution I=Sodium Thiosulfate J=Other

V/I/N	Pick Label	Analyses Requested
N	EIF	VOCs
N	A	SUOCs
N	D	Total Metals
N	D	Trace Metals
N	D	SPUR Metals
N	A	pH

Quote #:

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS
3-40ML EEF 3-402g

LAB COMMENTS (Lab Use Only)

Profile #

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Analysis Requested	V/I/N	Pick Label
027	ALI-4(0-5)-101315	10-13-15	1325	S	VOCs	N	EIF
028	ALI-4(5-9)-101315	10-13-15	1330	S	SUOCs	N	A
029	ALI-5(0-5)-101315	10-13-15	1345	S	Total Metals	N	D
030	ALI-5(5-9)-101315	10-13-15	1350	S	Trace Metals	N	D
031	ALI-6(0-5)-101315	10-13-15	1420	S	SPUR Metals	N	D
032	ALI-6(0-5)-101315	10-13-15	1430	S	pH	N	A
033	ALI-6(5-9)-101315	10-13-15	1439	S			
034	RC-1(0-7)-101315	10-13-15	1447	S			
035	RC-2(0-5)-101315	10-13-15	1505	S			
036	RC-2(5-9)-101315	10-13-15	1510	S			
037	RC-3(0-7)-101315	10-13-15	1520	S			

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Relinquished By: *Margaret Dehew-Skull*
Date/Time: 10-13-2015 1530
Received By: *Patricia Colin*
Date/Time: 10-13-2015 1340

Relinquished By: *Patricia Colin*
Date/Time: 10-13-2015 1000
Received By: *Patricia Colin*
Date/Time: 10-13-2015 1340

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Relinquished By: *Patricia Colin*
Date/Time: 10-13-2015 1000
Received By: *Patricia Colin*
Date/Time: 10-13-2015 1000

Relinquished By: *Patricia Colin*
Date/Time: 10-13-2015 1000
Received By: *Patricia Colin*
Date/Time: 10-13-2015 1000

PAGE Project No.
Receipt Temp = 51.04 °C
Sample Receipt pH
OK / Adjusted
Cooler Custody Seal
Present / Not Present
Intact / Not Intact

(Please Print Clearly)



CHAIN OF CUSTODY

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Reservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Filtered? (YES/NO)
Preservation (CODE)*

Company Name: EDI
 Branch/Location:
 Project Contact: Patricia Goin
 Phone:
 Project Number: 029 5 020
 Project Name: IDOT 035-USE 01-55
 Project State: Illinois
 Sampled By (Print): Margaret Doherty-Skubic
 Sampled By (Sign): *Margaret Doherty-Skubic*
 PO #:
 Regulatory Program:

Data Package Options (billable)
 EPA Level III
 EPA Level IV
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Bids DW = Drinking Water
 C = Charcoal GW = Ground Water
 D = Oil SW = Surface Water
 S = Soil WW = Waste Water
 Sl = Sludge WP = Wipe

PAGE LAB #	CLIENT FIELD ID	COLLECTION DATE	TIME	MATRIX
D38	AL-1(5-9)-101315	10-13-15	1150	S
D39	AL-2(10-5)-101315	10-13-15	1212	S
D40	AL-2(5-9)-101315	10-13-15	1218	S
D41	AL-3(6-5)-101315	10-13-15	1253	S
D42	AL-3(5-9)-101315	10-13-15	1258	S

Analyses Requested	V/I/N	
	Pick Letter	Letter
VOCS	2	F
SVOCs	2	A
TOTAL Metals	2	A
TEP Metals	2	A
SPLP Metals	2	A
PH	2	A

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed:
 Transmit Prelim Rush Results by (complete what you want):
 Email #1:
 Email #2:
 Telephone:
 Fax:
 Samples on HOLD are subject to special pricing and release of liability

Relinquished By: *Patricia Goin* Date/Time: 10-13-2015 1640
 Relinquished By: *Patricia Goin* Date/Time: 10-13-2015 1640
 Relinquished By: *Patricia Goin* Date/Time: 10-13-2015 1640
 Relinquished By: *Patricia Goin* Date/Time: 10-13-2015 1640

Received By: *Patricia Goin* Date/Time: 10-13-2015 1640
 Received By: *Patricia Goin* Date/Time: 10-13-2015 1640
 Received By: *Patricia Goin* Date/Time: 10-13-2015 1640
 Received By: *Patricia Goin* Date/Time: 10-13-2015 1640

Receipt Temp - 51.04 °C
 Sample Receipt pH
 OK / Adjusted
 Cooler/Custody Seal Present / Not Present
 Intact / Not Intact

CLIENT COMMENTS (Lab Use Only)	Profile #
3-40MVEEF 3-402297	
LAST ITEM	



Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Project #:

WO#: 40122822



40122822

Client Name: EDI

Courier: Fed Ex UPS Client Pace Other: CS LOGISTICS

Tracking #:

Custody Seal on Cooler/Box Present: X yes no Seals intact: X yes no

Custody Seal on Samples Present: yes X no Seals intact: yes no

Packing Material: Bubble Wrap X Bubble Bags None Other

Thermometer Used SPLA Type of Ice: Wet Blue Dry None X Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 5.60.4 / Corr: 5.10.4 Biological Tissue is Frozen: yes

Temp Blank Present: X yes no

Person examining contents:
Date: 10/14/15
Initials: [Signature]

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows of checklist items including Chain of Custody, Short Hold Time Analysis, Rush Turn Around Time, Sufficient Volume, Containers Intact, Sample Labels match COC, and Trip Blank Present.

Client Notification/ Resolution:

Person Contacted: Date/Time: If checked, see attached form for additional comments

Comments/ Resolution:

Handwritten notes: 040 1 of 3 vials collect time 12/12, 042 1 of 3 jars no collect date 10/14/15, 025 1 of 3 jars no collect time

Project Manager Review:

[Signature]

Date: 10/14/15

November 13, 2015

Patricia Feeley, P.G.
Environmental Design International Inc.
33 West Monroe Street
Suite 1825
Chicago, IL 606035326

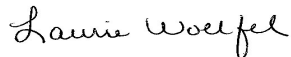
RE: Project: 0295.020 FAI 55
Pace Project No.: 40122963

Dear Patricia Feeley, P.G.:

Enclosed are the analytical results for sample(s) received by the laboratory on October 16, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Laurie Woelfel
laurie.woelfel@pacelabs.com
Project Manager

Enclosures

cc: Andrew Dorn, Environmental Design
Colin Pannier, Environmental Design



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

New Orleans Certification IDs

California Env. Lab Accreditation Program Branch:
11277CA

Florida Department of Health (NELAC): E87595

Illinois Environmental Protection Agency: 0025721

Kansas Department of Health and Environment (NELAC):
E-10266

Louisiana Dept. of Environmental Quality (NELAC/LELAP):
02006

Pennsylvania Dept. of Env Protection (NELAC): 68-04202

Texas Commission on Env. Quality (NELAC):

T104704405-09-TX

U.S. Dept. of Agriculture Foreign Soil Import: P330-10-
00119

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP Certification ID: 460263

Virginia VELAP ID: 460263

Wisconsin Certification #: 405132750

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 200074

Indiana Certification #: C-49-06

Kansas Certification #: E-10177

Kentucky UST Certification #: 0042

Kentucky WW Certification #: 98019

Louisiana Certification #: 04076

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2014-148

Texas Certification #: T104704355-15-9

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-10-00128

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 15-016-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: AL1-7 (0-4)-101515 Lab ID: 40122963021 Collected: 10/15/15 15:00 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.65	mg/kg	2.3	0.65	1	10/22/15 08:07	10/24/15 10:59	7440-36-0	
Arsenic	6.0	mg/kg	2.3	0.73	1	10/22/15 08:07	10/24/15 10:59	7440-38-2	
Barium	72.6	mg/kg	0.57	0.14	1	10/22/15 08:07	10/24/15 10:59	7440-39-3	
Beryllium	0.59	mg/kg	0.46	0.043	1	10/22/15 08:07	10/24/15 10:59	7440-41-7	
Cadmium	<0.075	mg/kg	0.57	0.075	1	10/22/15 08:07	10/24/15 10:59	7440-43-9	
Calcium	46800	mg/kg	114	3.1	1	10/22/15 08:07	10/24/15 10:59	7440-70-2	
Chromium	17.6	mg/kg	0.57	0.22	1	10/22/15 08:07	10/24/15 10:59	7440-47-3	
Cobalt	9.9	mg/kg	0.57	0.11	1	10/22/15 08:07	10/24/15 10:59	7440-48-4	
Copper	25.5	mg/kg	1.1	0.18	1	10/22/15 08:07	10/24/15 10:59	7440-50-8	
Iron	18700	mg/kg	11.4	1.9	1	10/22/15 08:07	10/24/15 10:59	7439-89-6	
Lead	12.0	mg/kg	1.1	0.49	1	10/22/15 08:07	10/24/15 10:59	7439-92-1	
Magnesium	29200	mg/kg	114	6.2	1	10/22/15 08:07	10/24/15 10:59	7439-95-4	
Manganese	584	mg/kg	0.57	0.058	1	10/22/15 08:07	10/24/15 10:59	7439-96-5	
Nickel	24.9	mg/kg	1.1	0.15	1	10/22/15 08:07	10/24/15 10:59	7440-02-0	
Potassium	2350	mg/kg	114	9.4	1	10/22/15 08:07	10/24/15 10:59	7440-09-7	
Selenium	<0.88	mg/kg	2.3	0.88	1	10/22/15 08:07	10/24/15 10:59	7782-49-2	
Silver	<0.32	mg/kg	1.1	0.32	1	10/22/15 08:07	10/24/15 10:59	7440-22-4	
Sodium	478	mg/kg	114	4.4	1	10/22/15 08:07	10/24/15 10:59	7440-23-5	
Thallium	<0.93	mg/kg	4.6	0.93	1	10/22/15 08:07	10/24/15 10:59	7440-28-0	
Vanadium	37.0	mg/kg	1.1	0.23	1	10/22/15 08:07	10/24/15 10:59	7440-62-2	
Zinc	40.0	mg/kg	4.6	0.44	1	10/22/15 08:07	10/24/15 10:59	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Arsenic	0.012	mg/L	0.010	0.0029	1	10/28/15 06:51	10/29/15 04:01	7440-38-2	
Barium	0.20J	mg/L	0.50	0.0033	1	10/28/15 06:51	10/29/15 04:01	7440-39-3	
Beryllium	0.0014J	mg/L	0.0040	0.00031	1	10/28/15 06:51	10/29/15 04:01	7440-41-7	
Cadmium	0.00026J	mg/L	0.0050	0.00021	1	10/28/15 06:51	10/29/15 04:01	7440-43-9	
Chromium	0.036	mg/L	0.010	0.0025	1	10/28/15 06:51	10/29/15 04:01	7440-47-3	
Cobalt	0.011	mg/L	0.010	0.00053	1	10/28/15 06:51	10/29/15 04:01	7440-48-4	
Copper	0.040	mg/L	0.010	0.0040	1	10/28/15 06:51	10/29/15 04:01	7440-50-8	
Iron	37.0	mg/L	0.10	0.016	1	10/28/15 06:51	10/29/15 04:01	7439-89-6	
Lead	0.018	mg/L	0.010	0.0029	1	10/28/15 06:51	10/29/15 04:01	7439-92-1	
Manganese	0.51	mg/L	0.010	0.0010	1	10/28/15 06:51	10/29/15 04:01	7439-96-5	
Nickel	0.038	mg/L	0.010	0.00074	1	10/28/15 06:51	10/29/15 04:01	7440-02-0	
Selenium	0.0035J	mg/L	0.010	0.0033	1	10/28/15 06:51	10/29/15 04:01	7782-49-2	
Silver	<0.0033	mg/L	0.010	0.0033	1	10/28/15 06:51	10/29/15 04:01	7440-22-4	
Zinc	0.097	mg/L	0.020	0.0030	1	10/28/15 06:51	10/29/15 04:01	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/19/15 19:25

Arsenic	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:30	7440-38-2	
Barium	0.49J	mg/L	0.50	0.25	1	10/20/15 16:20	10/29/15 04:30	7440-39-3	
Beryllium	<0.0020	mg/L	0.0040	0.0020	1	10/20/15 16:20	10/29/15 04:30	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/20/15 16:20	10/29/15 04:30	7440-43-9	
Chromium	<0.0052	mg/L	0.010	0.0052	1	10/20/15 16:20	10/29/15 04:30	7440-47-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: AL1-7 (0-4)-101515 Lab ID: 40122963021 Collected: 10/15/15 15:00 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/19/15 19:25									
Cobalt	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:30	7440-48-4	
Copper	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:30	7440-50-8	
Iron	0.078J	mg/L	0.10	0.050	1	10/20/15 16:20	10/29/15 04:30	7439-89-6	
Lead	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:30	7439-92-1	
Manganese	0.34	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:30	7439-96-5	
Nickel	0.0076J	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:30	7440-02-0	
Selenium	0.011	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:30	7782-49-2	
Silver	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:30	7440-22-4	
Zinc	<0.010	mg/L	0.020	0.010	1	10/20/15 16:20	10/29/15 04:30	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/21/15 23:37	10/22/15 09:50	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/19/15 19:25									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/21/15 23:39	10/22/15 10:37	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.019	mg/kg	0.011	0.0028	1	10/26/15 17:42	10/27/15 11:30	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<71.5	ug/kg	238	71.5	1	10/21/15 12:17	10/22/15 09:56	83-32-9	
Acenaphthylene	<72.0	ug/kg	240	72.0	1	10/21/15 12:17	10/22/15 09:56	208-96-8	
Anthracene	<32.2	ug/kg	107	32.2	1	10/21/15 12:17	10/22/15 09:56	120-12-7	
Benzo(a)anthracene	<31.2	ug/kg	104	31.2	1	10/21/15 12:17	10/22/15 09:56	56-55-3	
Benzo(a)pyrene	<30.4	ug/kg	101	30.4	1	10/21/15 12:17	10/22/15 09:56	50-32-8	
Benzo(b)fluoranthene	<34.7	ug/kg	116	34.7	1	10/21/15 12:17	10/22/15 09:56	205-99-2	
Benzo(g,h,i)perylene	<52.8	ug/kg	176	52.8	1	10/21/15 12:17	10/22/15 09:56	191-24-2	
Benzo(k)fluoranthene	<48.3	ug/kg	161	48.3	1	10/21/15 12:17	10/22/15 09:56	207-08-9	
4-Bromophenylphenyl ether	<42.3	ug/kg	141	42.3	1	10/21/15 12:17	10/22/15 09:56	101-55-3	
Butylbenzylphthalate	<32.4	ug/kg	108	32.4	1	10/21/15 12:17	10/22/15 09:56	85-68-7	
Carbazole	<31.6	ug/kg	105	31.6	1	10/21/15 12:17	10/22/15 09:56	86-74-8	
4-Chloro-3-methylphenol	<62.8	ug/kg	209	62.8	1	10/21/15 12:17	10/22/15 09:56	59-50-7	
4-Chloroaniline	<33.2	ug/kg	111	33.2	1	10/21/15 12:17	10/22/15 09:56	106-47-8	
bis(2-Chloroethoxy)methane	<54.3	ug/kg	181	54.3	1	10/21/15 12:17	10/22/15 09:56	111-91-1	
bis(2-Chloroethyl) ether	<63.0	ug/kg	210	63.0	1	10/21/15 12:17	10/22/15 09:56	111-44-4	
2-Chloronaphthalene	<25.9	ug/kg	86.3	25.9	1	10/21/15 12:17	10/22/15 09:56	91-58-7	
2-Chlorophenol	<50.4	ug/kg	168	50.4	1	10/21/15 12:17	10/22/15 09:56	95-57-8	
4-Chlorophenylphenyl ether	<37.6	ug/kg	125	37.6	1	10/21/15 12:17	10/22/15 09:56	7005-72-3	
Chrysene	<30.2	ug/kg	101	30.2	1	10/21/15 12:17	10/22/15 09:56	218-01-9	
Dibenz(a,h)anthracene	<54.8	ug/kg	183	54.8	1	10/21/15 12:17	10/22/15 09:56	53-70-3	
Dibenzofuran	<24.4	ug/kg	81.4	24.4	1	10/21/15 12:17	10/22/15 09:56	132-64-9	
1,2-Dichlorobenzene	<63.4	ug/kg	211	63.4	1	10/21/15 12:17	10/22/15 09:56	95-50-1	
1,3-Dichlorobenzene	<27.9	ug/kg	93.1	27.9	1	10/21/15 12:17	10/22/15 09:56	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: AL1-7 (0-4)-101515 **Lab ID:** 40122963021 Collected: 10/15/15 15:00 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,4-Dichlorobenzene	<28.1	ug/kg	93.7	28.1	1	10/21/15 12:17	10/22/15 09:56	106-46-7	
3,3'-Dichlorobenzidine	<54.7	ug/kg	182	54.7	1	10/21/15 12:17	10/22/15 09:56	91-94-1	
2,4-Dichlorophenol	<53.9	ug/kg	180	53.9	1	10/21/15 12:17	10/22/15 09:56	120-83-2	
Diethylphthalate	<33.5	ug/kg	112	33.5	1	10/21/15 12:17	10/22/15 09:56	84-66-2	
2,4-Dimethylphenol	<39.9	ug/kg	133	39.9	1	10/21/15 12:17	10/22/15 09:56	105-67-9	
Dimethylphthalate	<26.2	ug/kg	87.5	26.2	1	10/21/15 12:17	10/22/15 09:56	131-11-3	
Di-n-butylphthalate	<30.2	ug/kg	101	30.2	1	10/21/15 12:17	10/22/15 09:56	84-74-2	
4,6-Dinitro-2-methylphenol	<62.2	ug/kg	207	62.2	1	10/21/15 12:17	10/22/15 09:56	534-52-1	
2,4-Dinitrophenol	<61.5	ug/kg	205	61.5	1	10/21/15 12:17	10/22/15 09:56	51-28-5	
2,4-Dinitrotoluene	<28.9	ug/kg	96.2	28.9	1	10/21/15 12:17	10/22/15 09:56	121-14-2	
2,6-Dinitrotoluene	<38.3	ug/kg	128	38.3	1	10/21/15 12:17	10/22/15 09:56	606-20-2	
Di-n-octylphthalate	<45.4	ug/kg	151	45.4	1	10/21/15 12:17	10/22/15 09:56	117-84-0	
bis(2-Ethylhexyl)phthalate	<33.5	ug/kg	112	33.5	1	10/21/15 12:17	10/22/15 09:56	117-81-7	
Fluoranthene	<28.5	ug/kg	95.2	28.5	1	10/21/15 12:17	10/22/15 09:56	206-44-0	
Fluorene	<23.6	ug/kg	78.6	23.6	1	10/21/15 12:17	10/22/15 09:56	86-73-7	
Hexachloro-1,3-butadiene	<51.4	ug/kg	171	51.4	1	10/21/15 12:17	10/22/15 09:56	87-68-3	
Hexachlorobenzene	<33.9	ug/kg	113	33.9	1	10/21/15 12:17	10/22/15 09:56	118-74-1	
Hexachlorocyclopentadiene	<47.7	ug/kg	159	47.7	1	10/21/15 12:17	10/22/15 09:56	77-47-4	
Hexachloroethane	<32.3	ug/kg	108	32.3	1	10/21/15 12:17	10/22/15 09:56	67-72-1	
Indeno(1,2,3-cd)pyrene	<43.7	ug/kg	146	43.7	1	10/21/15 12:17	10/22/15 09:56	193-39-5	
Isophorone	<31.0	ug/kg	103	31.0	1	10/21/15 12:17	10/22/15 09:56	78-59-1	
2-Methylnaphthalene	<52.4	ug/kg	175	52.4	1	10/21/15 12:17	10/22/15 09:56	91-57-6	
2-Methylphenol(o-Cresol)	<36.7	ug/kg	122	36.7	1	10/21/15 12:17	10/22/15 09:56	95-48-7	
3&4-Methylphenol(m&p Cresol)	<37.0	ug/kg	123	37.0	1	10/21/15 12:17	10/22/15 09:56		
Naphthalene	<70.5	ug/kg	235	70.5	1	10/21/15 12:17	10/22/15 09:56	91-20-3	
2-Nitroaniline	<57.5	ug/kg	192	57.5	1	10/21/15 12:17	10/22/15 09:56	88-74-4	
3-Nitroaniline	<34.3	ug/kg	114	34.3	1	10/21/15 12:17	10/22/15 09:56	99-09-2	
4-Nitroaniline	<83.7	ug/kg	279	83.7	1	10/21/15 12:17	10/22/15 09:56	100-01-6	
Nitrobenzene	<40.9	ug/kg	136	40.9	1	10/21/15 12:17	10/22/15 09:56	98-95-3	
2-Nitrophenol	<63.7	ug/kg	212	63.7	1	10/21/15 12:17	10/22/15 09:56	88-75-5	
4-Nitrophenol	<50.8	ug/kg	169	50.8	1	10/21/15 12:17	10/22/15 09:56	100-02-7	
N-Nitroso-di-n-propylamine	<32.0	ug/kg	107	32.0	1	10/21/15 12:17	10/22/15 09:56	621-64-7	
N-Nitrosodiphenylamine	<274	ug/kg	913	274	1	10/21/15 12:17	10/22/15 09:56	86-30-6	
2,2'-Oxybis(1-chloropropane)	<52.0	ug/kg	173	52.0	1	10/21/15 12:17	10/22/15 09:56	108-60-1	
Pentachlorophenol	<44.4	ug/kg	148	44.4	1	10/21/15 12:17	10/22/15 09:56	87-86-5	
Phenanthrene	<25.9	ug/kg	86.3	25.9	1	10/21/15 12:17	10/22/15 09:56	85-01-8	
Phenol	<47.9	ug/kg	160	47.9	1	10/21/15 12:17	10/22/15 09:56	108-95-2	
Pyrene	<44.7	ug/kg	149	44.7	1	10/21/15 12:17	10/22/15 09:56	129-00-0	
1,2,4-Trichlorobenzene	<22.8	ug/kg	76.0	22.8	1	10/21/15 12:17	10/22/15 09:56	120-82-1	
2,4,5-Trichlorophenol	<35.6	ug/kg	119	35.6	1	10/21/15 12:17	10/22/15 09:56	95-95-4	
2,4,6-Trichlorophenol	<30.8	ug/kg	103	30.8	1	10/21/15 12:17	10/22/15 09:56	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	79	%	45-130		1	10/21/15 12:17	10/22/15 09:56	4165-60-0	
2-Fluorobiphenyl (S)	70	%	51-130		1	10/21/15 12:17	10/22/15 09:56	321-60-8	
Terphenyl-d14 (S)	74	%	37-134		1	10/21/15 12:17	10/22/15 09:56	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: AL1-7 (0-4)-101515 **Lab ID:** 40122963021 Collected: 10/15/15 15:00 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Phenol-d6 (S)	68	%	36-130		1	10/21/15 12:17	10/22/15 09:56	13127-88-3	
2-Fluorophenol (S)	69	%	37-130		1	10/21/15 12:17	10/22/15 09:56	367-12-4	
2,4,6-Tribromophenol (S)	67	%	30-130		1	10/21/15 12:17	10/22/15 09:56	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<5.3	ug/kg	16.9	5.3	1	10/20/15 12:00	10/20/15 18:07	67-64-1	2q
Benzene	<1.4	ug/kg	4.2	1.4	1	10/20/15 12:00	10/20/15 18:07	71-43-2	
Bromodichloromethane	<0.93	ug/kg	4.2	0.93	1	10/20/15 12:00	10/20/15 18:07	75-27-4	
Bromoform	<0.72	ug/kg	4.2	0.72	1	10/20/15 12:00	10/20/15 18:07	75-25-2	
Bromomethane	<1.3	ug/kg	8.5	1.3	1	10/20/15 12:00	10/20/15 18:07	74-83-9	
2-Butanone (MEK)	<2.4	ug/kg	16.9	2.4	1	10/20/15 12:00	10/20/15 18:07	78-93-3	
Carbon disulfide	<1.1	ug/kg	4.2	1.1	1	10/20/15 12:00	10/20/15 18:07	75-15-0	
Carbon tetrachloride	<1.3	ug/kg	4.2	1.3	1	10/20/15 12:00	10/20/15 18:07	56-23-5	
Chlorobenzene	<1.3	ug/kg	4.2	1.3	1	10/20/15 12:00	10/20/15 18:07	108-90-7	
Chloroethane	<1.7	ug/kg	4.2	1.7	1	10/20/15 12:00	10/20/15 18:07	75-00-3	
Chloroform	<0.80	ug/kg	4.2	0.80	1	10/20/15 12:00	10/20/15 18:07	67-66-3	
Chloromethane	<0.47	ug/kg	4.2	0.47	1	10/20/15 12:00	10/20/15 18:07	74-87-3	
Dibromochloromethane	<1.4	ug/kg	4.2	1.4	1	10/20/15 12:00	10/20/15 18:07	124-48-1	
1,1-Dichloroethane	<2.0	ug/kg	4.2	2.0	1	10/20/15 12:00	10/20/15 18:07	75-34-3	
1,2-Dichloroethane	<0.83	ug/kg	4.2	0.83	1	10/20/15 12:00	10/20/15 18:07	107-06-2	
1,1-Dichloroethene	<1.9	ug/kg	4.2	1.9	1	10/20/15 12:00	10/20/15 18:07	75-35-4	
cis-1,2-Dichloroethene	<1.1	ug/kg	4.2	1.1	1	10/20/15 12:00	10/20/15 18:07	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/kg	4.2	1.0	1	10/20/15 12:00	10/20/15 18:07	156-60-5	
1,2-Dichloropropane	<1.1	ug/kg	4.2	1.1	1	10/20/15 12:00	10/20/15 18:07	78-87-5	
cis-1,3-Dichloropropene	<0.56	ug/kg	4.2	0.56	1	10/20/15 12:00	10/20/15 18:07	10061-01-5	
trans-1,3-Dichloropropene	<0.78	ug/kg	4.2	0.78	1	10/20/15 12:00	10/20/15 18:07	10061-02-6	
Ethylbenzene	<1.2	ug/kg	4.2	1.2	1	10/20/15 12:00	10/20/15 18:07	100-41-4	
2-Hexanone	<1.3	ug/kg	4.2	1.3	1	10/20/15 12:00	10/20/15 18:07	591-78-6	
Methylene Chloride	<1.6	ug/kg	4.2	1.6	1	10/20/15 12:00	10/20/15 18:07	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	<1.0	ug/kg	4.2	1.0	1	10/20/15 12:00	10/20/15 18:07	108-10-1	
Methyl-tert-butyl ether	<0.85	ug/kg	4.2	0.85	1	10/20/15 12:00	10/20/15 18:07	1634-04-4	
Styrene	<0.64	ug/kg	4.2	0.64	1	10/20/15 12:00	10/20/15 18:07	100-42-5	
1,1,2,2-Tetrachloroethane	<1.7	ug/kg	4.2	1.7	1	10/20/15 12:00	10/20/15 18:07	79-34-5	
Tetrachloroethene	<1.3	ug/kg	4.2	1.3	1	10/20/15 12:00	10/20/15 18:07	127-18-4	
Toluene	<1.3	ug/kg	4.2	1.3	1	10/20/15 12:00	10/20/15 18:07	108-88-3	
1,1,1-Trichloroethane	<1.3	ug/kg	4.2	1.3	1	10/20/15 12:00	10/20/15 18:07	71-55-6	
1,1,2-Trichloroethane	<1.6	ug/kg	4.2	1.6	1	10/20/15 12:00	10/20/15 18:07	79-00-5	
Trichloroethene	<1.6	ug/kg	4.2	1.6	1	10/20/15 12:00	10/20/15 18:07	79-01-6	
Vinyl chloride	<0.46	ug/kg	4.2	0.46	1	10/20/15 12:00	10/20/15 18:07	75-01-4	
Xylene (Total)	<3.8	ug/kg	12.7	3.8	1	10/20/15 12:00	10/20/15 18:07	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	108	%	70-130		1	10/20/15 12:00	10/20/15 18:07	1868-53-7	
Toluene-d8 (S)	106	%	67-138		1	10/20/15 12:00	10/20/15 18:07	2037-26-5	
4-Bromofluorobenzene (S)	96	%	68-130		1	10/20/15 12:00	10/20/15 18:07	460-00-4	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: AL1-7 (0-4)-101515 **Lab ID: 40122963021** Collected: 10/15/15 15:00 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	17.3	%	0.10	0.10	1		10/16/15 18:15		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	7.45	Std. Units	0.100	0.0100	1		10/22/15 11:05		H6

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: AL1-7 (0-4)-101515D Lab ID: 40122963022 Collected: 10/15/15 15:05 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.61	mg/kg	2.1	0.61	1	10/22/15 08:07	10/24/15 11:02	7440-36-0	
Arsenic	6.0	mg/kg	2.1	0.68	1	10/22/15 08:07	10/24/15 11:02	7440-38-2	
Barium	67.9	mg/kg	0.53	0.13	1	10/22/15 08:07	10/24/15 11:02	7440-39-3	
Beryllium	0.48	mg/kg	0.43	0.040	1	10/22/15 08:07	10/24/15 11:02	7440-41-7	
Cadmium	<0.071	mg/kg	0.53	0.071	1	10/22/15 08:07	10/24/15 11:02	7440-43-9	
Calcium	62900	mg/kg	214	5.9	2	10/22/15 08:07	10/25/15 11:08	7440-70-2	
Chromium	14.8	mg/kg	0.53	0.21	1	10/22/15 08:07	10/24/15 11:02	7440-47-3	
Cobalt	10.0	mg/kg	0.53	0.10	1	10/22/15 08:07	10/24/15 11:02	7440-48-4	
Copper	28.2	mg/kg	1.1	0.17	1	10/22/15 08:07	10/24/15 11:02	7440-50-8	
Iron	18900	mg/kg	10.7	1.8	1	10/22/15 08:07	10/24/15 11:02	7439-89-6	
Lead	10	mg/kg	1.1	0.46	1	10/22/15 08:07	10/24/15 11:02	7439-92-1	
Magnesium	36500	mg/kg	107	5.8	1	10/22/15 08:07	10/24/15 11:02	7439-95-4	
Manganese	584	mg/kg	0.53	0.054	1	10/22/15 08:07	10/24/15 11:02	7439-96-5	
Nickel	26.3	mg/kg	1.1	0.14	1	10/22/15 08:07	10/24/15 11:02	7440-02-0	
Potassium	2300	mg/kg	107	8.8	1	10/22/15 08:07	10/24/15 11:02	7440-09-7	
Selenium	<0.82	mg/kg	2.1	0.82	1	10/22/15 08:07	10/24/15 11:02	7782-49-2	
Silver	<0.30	mg/kg	1.1	0.30	1	10/22/15 08:07	10/24/15 11:02	7440-22-4	
Sodium	511	mg/kg	107	4.1	1	10/22/15 08:07	10/24/15 11:02	7440-23-5	
Thallium	<0.88	mg/kg	4.3	0.88	1	10/22/15 08:07	10/24/15 11:02	7440-28-0	
Vanadium	35.7	mg/kg	1.1	0.22	1	10/22/15 08:07	10/24/15 11:02	7440-62-2	
Zinc	40.1	mg/kg	4.3	0.41	1	10/22/15 08:07	10/24/15 11:02	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Arsenic	0.0069J	mg/L	0.010	0.0029	1	10/28/15 06:51	10/29/15 04:03	7440-38-2	
Barium	0.13J	mg/L	0.50	0.0033	1	10/28/15 06:51	10/29/15 04:03	7440-39-3	
Beryllium	0.00083J	mg/L	0.0040	0.00031	1	10/28/15 06:51	10/29/15 04:03	7440-41-7	
Cadmium	<0.00021	mg/L	0.0050	0.00021	1	10/28/15 06:51	10/29/15 04:03	7440-43-9	
Chromium	0.021	mg/L	0.010	0.0025	1	10/28/15 06:51	10/29/15 04:03	7440-47-3	
Cobalt	0.0060J	mg/L	0.010	0.00053	1	10/28/15 06:51	10/29/15 04:03	7440-48-4	
Copper	0.022	mg/L	0.010	0.0040	1	10/28/15 06:51	10/29/15 04:03	7440-50-8	
Iron	20.8	mg/L	0.10	0.016	1	10/28/15 06:51	10/29/15 04:03	7439-89-6	
Lead	0.011	mg/L	0.010	0.0029	1	10/28/15 06:51	10/29/15 04:03	7439-92-1	
Manganese	0.27	mg/L	0.010	0.0010	1	10/28/15 06:51	10/29/15 04:03	7439-96-5	
Nickel	0.023	mg/L	0.010	0.00074	1	10/28/15 06:51	10/29/15 04:03	7440-02-0	
Selenium	<0.0033	mg/L	0.010	0.0033	1	10/28/15 06:51	10/29/15 04:03	7782-49-2	
Silver	<0.0033	mg/L	0.010	0.0033	1	10/28/15 06:51	10/29/15 04:03	7440-22-4	
Zinc	0.058	mg/L	0.020	0.0030	1	10/28/15 06:51	10/29/15 04:03	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/19/15 19:25

Arsenic	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:32	7440-38-2	
Barium	0.51	mg/L	0.50	0.25	1	10/20/15 16:20	10/29/15 04:32	7440-39-3	
Beryllium	<0.0020	mg/L	0.0040	0.0020	1	10/20/15 16:20	10/29/15 04:32	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/20/15 16:20	10/29/15 04:32	7440-43-9	
Chromium	<0.0052	mg/L	0.010	0.0052	1	10/20/15 16:20	10/29/15 04:32	7440-47-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: AL1-7 (0-4)-101515D Lab ID: 40122963022 Collected: 10/15/15 15:05 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/19/15 19:25									
Cobalt	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:32	7440-48-4	
Copper	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:32	7440-50-8	
Iron	0.18	mg/L	0.10	0.050	1	10/20/15 16:20	10/29/15 04:32	7439-89-6	
Lead	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:32	7439-92-1	
Manganese	0.47	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:32	7439-96-5	
Nickel	0.0067J	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:32	7440-02-0	
Selenium	0.0090J	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:32	7782-49-2	
Silver	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:32	7440-22-4	
Zinc	<0.010	mg/L	0.020	0.010	1	10/20/15 16:20	10/29/15 04:32	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/21/15 23:37	10/22/15 09:58	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/19/15 19:25									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/21/15 23:39	10/22/15 10:42	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.012	mg/kg	0.0093	0.0025	1	10/26/15 17:42	10/27/15 11:33	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<68.5	ug/kg	228	68.5	1	10/21/15 12:17	10/22/15 11:00	83-32-9	
Acenaphthylene	<68.9	ug/kg	230	68.9	1	10/21/15 12:17	10/22/15 11:00	208-96-8	
Anthracene	<30.9	ug/kg	103	30.9	1	10/21/15 12:17	10/22/15 11:00	120-12-7	
Benzo(a)anthracene	<29.9	ug/kg	99.7	29.9	1	10/21/15 12:17	10/22/15 11:00	56-55-3	
Benzo(a)pyrene	<29.1	ug/kg	96.9	29.1	1	10/21/15 12:17	10/22/15 11:00	50-32-8	
Benzo(b)fluoranthene	<33.2	ug/kg	111	33.2	1	10/21/15 12:17	10/22/15 11:00	205-99-2	
Benzo(g,h,i)perylene	<50.6	ug/kg	169	50.6	1	10/21/15 12:17	10/22/15 11:00	191-24-2	
Benzo(k)fluoranthene	<46.3	ug/kg	154	46.3	1	10/21/15 12:17	10/22/15 11:00	207-08-9	
4-Bromophenylphenyl ether	<40.5	ug/kg	135	40.5	1	10/21/15 12:17	10/22/15 11:00	101-55-3	
Butylbenzylphthalate	<31.0	ug/kg	103	31.0	1	10/21/15 12:17	10/22/15 11:00	85-68-7	
Carbazole	<30.3	ug/kg	101	30.3	1	10/21/15 12:17	10/22/15 11:00	86-74-8	
4-Chloro-3-methylphenol	<60.1	ug/kg	200	60.1	1	10/21/15 12:17	10/22/15 11:00	59-50-7	
4-Chloroaniline	<31.8	ug/kg	106	31.8	1	10/21/15 12:17	10/22/15 11:00	106-47-8	
bis(2-Chloroethoxy)methane	<52.0	ug/kg	173	52.0	1	10/21/15 12:17	10/22/15 11:00	111-91-1	
bis(2-Chloroethyl) ether	<60.3	ug/kg	201	60.3	1	10/21/15 12:17	10/22/15 11:00	111-44-4	
2-Chloronaphthalene	<24.8	ug/kg	82.7	24.8	1	10/21/15 12:17	10/22/15 11:00	91-58-7	
2-Chlorophenol	<48.2	ug/kg	161	48.2	1	10/21/15 12:17	10/22/15 11:00	95-57-8	
4-Chlorophenylphenyl ether	<36.0	ug/kg	120	36.0	1	10/21/15 12:17	10/22/15 11:00	7005-72-3	
Chrysene	<28.9	ug/kg	96.3	28.9	1	10/21/15 12:17	10/22/15 11:00	218-01-9	
Dibenz(a,h)anthracene	<52.5	ug/kg	175	52.5	1	10/21/15 12:17	10/22/15 11:00	53-70-3	
Dibenzofuran	<23.4	ug/kg	78.0	23.4	1	10/21/15 12:17	10/22/15 11:00	132-64-9	
1,2-Dichlorobenzene	<60.8	ug/kg	203	60.8	1	10/21/15 12:17	10/22/15 11:00	95-50-1	
1,3-Dichlorobenzene	<26.8	ug/kg	89.2	26.8	1	10/21/15 12:17	10/22/15 11:00	541-73-1	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: AL1-7 (0-4)-101515D **Lab ID: 40122963022** Collected: 10/15/15 15:05 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,4-Dichlorobenzene	<26.9	ug/kg	89.7	26.9	1	10/21/15 12:17	10/22/15 11:00	106-46-7	
3,3'-Dichlorobenzidine	<52.4	ug/kg	175	52.4	1	10/21/15 12:17	10/22/15 11:00	91-94-1	
2,4-Dichlorophenol	<51.6	ug/kg	172	51.6	1	10/21/15 12:17	10/22/15 11:00	120-83-2	
Diethylphthalate	<32.0	ug/kg	107	32.0	1	10/21/15 12:17	10/22/15 11:00	84-66-2	
2,4-Dimethylphenol	<38.2	ug/kg	127	38.2	1	10/21/15 12:17	10/22/15 11:00	105-67-9	
Dimethylphthalate	<25.1	ug/kg	83.8	25.1	1	10/21/15 12:17	10/22/15 11:00	131-11-3	
Di-n-butylphthalate	<28.9	ug/kg	96.3	28.9	1	10/21/15 12:17	10/22/15 11:00	84-74-2	
4,6-Dinitro-2-methylphenol	<59.6	ug/kg	199	59.6	1	10/21/15 12:17	10/22/15 11:00	534-52-1	
2,4-Dinitrophenol	<58.9	ug/kg	196	58.9	1	10/21/15 12:17	10/22/15 11:00	51-28-5	
2,4-Dinitrotoluene	<27.6	ug/kg	92.1	27.6	1	10/21/15 12:17	10/22/15 11:00	121-14-2	
2,6-Dinitrotoluene	<36.7	ug/kg	122	36.7	1	10/21/15 12:17	10/22/15 11:00	606-20-2	
Di-n-octylphthalate	<43.4	ug/kg	145	43.4	1	10/21/15 12:17	10/22/15 11:00	117-84-0	
bis(2-Ethylhexyl)phthalate	<32.1	ug/kg	107	32.1	1	10/21/15 12:17	10/22/15 11:00	117-81-7	
Fluoranthene	<27.3	ug/kg	91.1	27.3	1	10/21/15 12:17	10/22/15 11:00	206-44-0	
Fluorene	<22.6	ug/kg	75.3	22.6	1	10/21/15 12:17	10/22/15 11:00	86-73-7	
Hexachloro-1,3-butadiene	<49.2	ug/kg	164	49.2	1	10/21/15 12:17	10/22/15 11:00	87-68-3	
Hexachlorobenzene	<32.5	ug/kg	108	32.5	1	10/21/15 12:17	10/22/15 11:00	118-74-1	
Hexachlorocyclopentadiene	<45.7	ug/kg	152	45.7	1	10/21/15 12:17	10/22/15 11:00	77-47-4	
Hexachloroethane	<30.9	ug/kg	103	30.9	1	10/21/15 12:17	10/22/15 11:00	67-72-1	
Indeno(1,2,3-cd)pyrene	<41.8	ug/kg	139	41.8	1	10/21/15 12:17	10/22/15 11:00	193-39-5	
Isophorone	<29.7	ug/kg	99.0	29.7	1	10/21/15 12:17	10/22/15 11:00	78-59-1	
2-Methylnaphthalene	<50.2	ug/kg	167	50.2	1	10/21/15 12:17	10/22/15 11:00	91-57-6	
2-Methylphenol(o-Cresol)	<35.1	ug/kg	117	35.1	1	10/21/15 12:17	10/22/15 11:00	95-48-7	
3&4-Methylphenol(m&p Cresol)	<35.4	ug/kg	118	35.4	1	10/21/15 12:17	10/22/15 11:00		
Naphthalene	<67.6	ug/kg	225	67.6	1	10/21/15 12:17	10/22/15 11:00	91-20-3	
2-Nitroaniline	<55.1	ug/kg	184	55.1	1	10/21/15 12:17	10/22/15 11:00	88-74-4	
3-Nitroaniline	<32.9	ug/kg	110	32.9	1	10/21/15 12:17	10/22/15 11:00	99-09-2	
4-Nitroaniline	<80.2	ug/kg	267	80.2	1	10/21/15 12:17	10/22/15 11:00	100-01-6	
Nitrobenzene	<39.2	ug/kg	131	39.2	1	10/21/15 12:17	10/22/15 11:00	98-95-3	
2-Nitrophenol	<61.0	ug/kg	203	61.0	1	10/21/15 12:17	10/22/15 11:00	88-75-5	
4-Nitrophenol	<48.7	ug/kg	162	48.7	1	10/21/15 12:17	10/22/15 11:00	100-02-7	
N-Nitroso-di-n-propylamine	<30.6	ug/kg	102	30.6	1	10/21/15 12:17	10/22/15 11:00	621-64-7	
N-Nitrosodiphenylamine	<262	ug/kg	874	262	1	10/21/15 12:17	10/22/15 11:00	86-30-6	
2,2'-Oxybis(1-chloropropane)	<49.8	ug/kg	166	49.8	1	10/21/15 12:17	10/22/15 11:00	108-60-1	
Pentachlorophenol	<42.6	ug/kg	142	42.6	1	10/21/15 12:17	10/22/15 11:00	87-86-5	
Phenanthrene	<24.8	ug/kg	82.6	24.8	1	10/21/15 12:17	10/22/15 11:00	85-01-8	
Phenol	<45.9	ug/kg	153	45.9	1	10/21/15 12:17	10/22/15 11:00	108-95-2	
Pyrene	<42.8	ug/kg	143	42.8	1	10/21/15 12:17	10/22/15 11:00	129-00-0	
1,2,4-Trichlorobenzene	<21.8	ug/kg	72.8	21.8	1	10/21/15 12:17	10/22/15 11:00	120-82-1	
2,4,5-Trichlorophenol	<34.1	ug/kg	114	34.1	1	10/21/15 12:17	10/22/15 11:00	95-95-4	
2,4,6-Trichlorophenol	<29.5	ug/kg	98.2	29.5	1	10/21/15 12:17	10/22/15 11:00	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	70	%	45-130		1	10/21/15 12:17	10/22/15 11:00	4165-60-0	
2-Fluorobiphenyl (S)	65	%	51-130		1	10/21/15 12:17	10/22/15 11:00	321-60-8	
Terphenyl-d14 (S)	70	%	37-134		1	10/21/15 12:17	10/22/15 11:00	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: AL1-7 (0-4)-101515D **Lab ID: 40122963022** Collected: 10/15/15 15:05 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	-----	-----	----	----------	----------	---------	------

8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

Phenol-d6 (S)	59	%	36-130		1	10/21/15 12:17	10/22/15 11:00	13127-88-3	
2-Fluorophenol (S)	59	%	37-130		1	10/21/15 12:17	10/22/15 11:00	367-12-4	
2,4,6-Tribromophenol (S)	61	%	30-130		1	10/21/15 12:17	10/22/15 11:00	118-79-6	

8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260

Acetone	<4.4	ug/kg	14.0	4.4	1	10/20/15 12:00	10/20/15 18:30	67-64-1	2q
Benzene	<1.1	ug/kg	3.5	1.1	1	10/20/15 12:00	10/20/15 18:30	71-43-2	
Bromodichloromethane	<0.77	ug/kg	3.5	0.77	1	10/20/15 12:00	10/20/15 18:30	75-27-4	
Bromoform	<0.59	ug/kg	3.5	0.59	1	10/20/15 12:00	10/20/15 18:30	75-25-2	
Bromomethane	<1.0	ug/kg	7.0	1.0	1	10/20/15 12:00	10/20/15 18:30	74-83-9	
2-Butanone (MEK)	<2.0	ug/kg	14.0	2.0	1	10/20/15 12:00	10/20/15 18:30	78-93-3	
Carbon disulfide	<0.90	ug/kg	3.5	0.90	1	10/20/15 12:00	10/20/15 18:30	75-15-0	
Carbon tetrachloride	<1.1	ug/kg	3.5	1.1	1	10/20/15 12:00	10/20/15 18:30	56-23-5	
Chlorobenzene	<1.1	ug/kg	3.5	1.1	1	10/20/15 12:00	10/20/15 18:30	108-90-7	
Chloroethane	<1.4	ug/kg	3.5	1.4	1	10/20/15 12:00	10/20/15 18:30	75-00-3	
Chloroform	<0.66	ug/kg	3.5	0.66	1	10/20/15 12:00	10/20/15 18:30	67-66-3	
Chloromethane	<0.39	ug/kg	3.5	0.39	1	10/20/15 12:00	10/20/15 18:30	74-87-3	
Dibromochloromethane	<1.2	ug/kg	3.5	1.2	1	10/20/15 12:00	10/20/15 18:30	124-48-1	
1,1-Dichloroethane	<1.7	ug/kg	3.5	1.7	1	10/20/15 12:00	10/20/15 18:30	75-34-3	
1,2-Dichloroethane	<0.69	ug/kg	3.5	0.69	1	10/20/15 12:00	10/20/15 18:30	107-06-2	
1,1-Dichloroethene	<1.6	ug/kg	3.5	1.6	1	10/20/15 12:00	10/20/15 18:30	75-35-4	
cis-1,2-Dichloroethene	<0.93	ug/kg	3.5	0.93	1	10/20/15 12:00	10/20/15 18:30	156-59-2	
trans-1,2-Dichloroethene	<0.87	ug/kg	3.5	0.87	1	10/20/15 12:00	10/20/15 18:30	156-60-5	
1,2-Dichloropropane	<0.88	ug/kg	3.5	0.88	1	10/20/15 12:00	10/20/15 18:30	78-87-5	
cis-1,3-Dichloropropene	<0.47	ug/kg	3.5	0.47	1	10/20/15 12:00	10/20/15 18:30	10061-01-5	
trans-1,3-Dichloropropene	<0.65	ug/kg	3.5	0.65	1	10/20/15 12:00	10/20/15 18:30	10061-02-6	
Ethylbenzene	<1.0	ug/kg	3.5	1.0	1	10/20/15 12:00	10/20/15 18:30	100-41-4	
2-Hexanone	<1.0	ug/kg	3.5	1.0	1	10/20/15 12:00	10/20/15 18:30	591-78-6	
Methylene Chloride	<1.3	ug/kg	3.5	1.3	1	10/20/15 12:00	10/20/15 18:30	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	<0.86	ug/kg	3.5	0.86	1	10/20/15 12:00	10/20/15 18:30	108-10-1	
Methyl-tert-butyl ether	<0.70	ug/kg	3.5	0.70	1	10/20/15 12:00	10/20/15 18:30	1634-04-4	
Styrene	<0.53	ug/kg	3.5	0.53	1	10/20/15 12:00	10/20/15 18:30	100-42-5	
1,1,2,2-Tetrachloroethane	<1.5	ug/kg	3.5	1.5	1	10/20/15 12:00	10/20/15 18:30	79-34-5	
Tetrachloroethene	<1.1	ug/kg	3.5	1.1	1	10/20/15 12:00	10/20/15 18:30	127-18-4	
Toluene	<1.0	ug/kg	3.5	1.0	1	10/20/15 12:00	10/20/15 18:30	108-88-3	
1,1,1-Trichloroethane	<1.1	ug/kg	3.5	1.1	1	10/20/15 12:00	10/20/15 18:30	71-55-6	
1,1,2-Trichloroethane	<1.3	ug/kg	3.5	1.3	1	10/20/15 12:00	10/20/15 18:30	79-00-5	
Trichloroethene	<1.4	ug/kg	3.5	1.4	1	10/20/15 12:00	10/20/15 18:30	79-01-6	
Vinyl chloride	<0.38	ug/kg	3.5	0.38	1	10/20/15 12:00	10/20/15 18:30	75-01-4	
Xylene (Total)	<3.1	ug/kg	10.5	3.1	1	10/20/15 12:00	10/20/15 18:30	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	112	%	70-130		1	10/20/15 12:00	10/20/15 18:30	1868-53-7	
Toluene-d8 (S)	103	%	67-138		1	10/20/15 12:00	10/20/15 18:30	2037-26-5	
4-Bromofluorobenzene (S)	94	%	68-130		1	10/20/15 12:00	10/20/15 18:30	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: AL1-7 (0-4)-101515D **Lab ID: 40122963022** Collected: 10/15/15 15:05 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	13.6	%	0.10	0.10	1		10/16/15 18:15		
9045 pH Soil									
Analytical Method: EPA 9045									
pH at 25 Degrees C	7.51	Std. Units	0.100	0.0100	1		10/22/15 11:05		H6

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)



www.raceanalytics.com

CHAIN OF CUSTODY

Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H= Sodium Bisulfate Solution I= Sodium Thiosulfate J=Other

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Company Name: **EDI**

Branch/Location: **Latvia/Colia**

Project Contact: **Latvia/Colia**

Project Number: **0295020**

Project Name: **FATS**

Project State:

Sampled By (Print): **Colia Parviz**

Sampled By (Sign): *[Signature]*

PO #:

Regulatory Program:

Filtered? (YES/NO)

Preservation (CODE):

Data Package Options (billable)

EPA Level III

EPA Level IV

MS/MSD (billable)

On your sample

NOT needed on your sample

Matrix Codes

A = Air B = Biota C = Charcoal O = Oil S = Soil SI = Sludge

W = Water DW = Drinking Water GW = Ground Water SW = Surface Water WP = Waste Water

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Analyses Requested	Y/N	Pick Letter
001	VL17-16-5-101515	10/15/15	0850	SA1	VOCs	X	
002	VL17-16-9-101515	10/15/15	0900		SUOCs	X	
003	VL17-26-5-101515		0920		Total Metals	X	
004	VL17-26-5-9-101515		0920		TCLP Metals	X	
005	VL17-36-5-1-101515		0945		SPLP metals	X	
006	VL17-36-5-9-101515		0955		PH	X	
007	BP16-16-5-101515		1020				
008	BP16-16-5-101515D		1025				
009	BP16-15-9-101515		1040				
010	BP16-26-5-101515		1055				
011	BP16-26-5-10-161515		1115				
012	SR-19(0-4)-101515		1140				

Relinquished By: *[Signature]* Date/Time: 10/15/15 15:52

Relinquished By: *[Signature]* Date/Time: 10/15/15 17:30

Relinquished By: *[Signature]* Date/Time: 10/15/15 08:30

Relinquished By: *[Signature]* Date/Time: 10/15/15 08:30

Received By: *[Signature]* Date/Time: 10/15/15 15:52

Received By: *[Signature]* Date/Time: 10/15/15 17:30

Received By: *[Signature]* Date/Time: 10/15/15 08:30

Received By: *[Signature]* Date/Time: 10/15/15 08:30

Quote #:

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

3-4 DMV EEF 3-4 UZAK

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)

Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Relinquished By: *[Signature]* Date/Time: 10/15/15 15:52

Relinquished By: *[Signature]* Date/Time: 10/15/15 17:30

Relinquished By: *[Signature]* Date/Time: 10/15/15 08:30

Relinquished By: *[Signature]* Date/Time: 10/15/15 08:30

Received By: *[Signature]* Date/Time: 10/15/15 15:52

Received By: *[Signature]* Date/Time: 10/15/15 17:30

Received By: *[Signature]* Date/Time: 10/15/15 08:30

Received By: *[Signature]* Date/Time: 10/15/15 08:30

Receipt Temp = 3.0 °C

Sample Receipt pH

OK / Adjusted

Cooler Custody Seal

Present / Not Present

Intact / Not Intact

Version: 01_05/24/06

(Please Print Clearly)

Company Name: **EDI**
Branch/Location:
Project Contact: **Patricia/Colin**
Phone:
Project Number: **0295.020**
Project Name: **PAISS**
Project State:
Sampled By (Print): **Colin Baird**
Sampled By (Sign):
PO #:
Regulatory Program:

Data Package Options
(billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
A = Air
B = Biota
C = Charcoal
O = Oil
S = Soil
SI = Sludge
W = Water
DW = Drinking Water
GW = Ground Water
SW = Surface Water
WW = Waste Water
WP = Wipe

CLIENT FIELD ID
DATE
COLLECTION TIME
MATRIX

Analyses Requested
Y / N
Pick Letter

Page Lab #

013 PG-2(10-7)-101515
014 PG-3(05)-101515
015 PG-3(5-9)-101515
016 PG-4(10-7)-101515
017 AL2-5(6-5)-101515
018 AL2-5(5-9)-101515
019 AL2-4(6-5)-101515
020 AL2-4(5-9)-101515
021 AL1-2(6-4)-101515
022 AL1-7(6-4)-101515D

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Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:
Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:
Samples on HOLD are subject to special pricing and release of liability



CHAIN OF CUSTODY

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436
www.faceabcs.com

FILTERED?
(YES/NO)
PRESERVATION
(CODE)*

Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Y / N
Pick Letter

Analyses Requested
VOCs
SVOCs
Total Metals
TCP Metals
SPCP Metals
PH

DATE
COLLECTION TIME
MATRIX

10/15/15
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Quote #:
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Mail To Company:
Mail To Address:
Invoice To Contact:
Invoice To Company:
Invoice To Address:
Invoice To Phone:
CLIENT COMMENTS
LAB COMMENTS (Lab Use Only)
Profile #

3-40mlv EEF 3-40mlv

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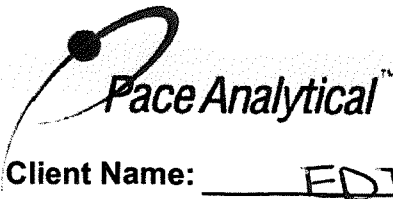
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3-40mlv EEF 3-40mlv



Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Project #: WO#: 40122963

Client Name: EDT

Courier: Fed Ex UPS Client Pace Other: LS LOGISTICS



Custody Seal on Cooler/Box Present: X yes - no Seals intact: X yes - no

Custody Seal on Samples Present: yes X no Seals intact: yes - no

Packing Material: Bubble Wrap X Bubble Bags None Other

Thermometer Used SP104 Type of Ice: Wet Blue Dry None X Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 3.0 /Corr: 3.0 Biological Tissue is Frozen: yes

Temp Blank Present: X yes - no

Person examining contents:
Date: 10/16/15
Initials: TL

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows of checklist items for sample condition, including Chain of Custody, Short Hold Time Analysis, Containers Intact, and Trip Blank Present.

Client Notification/ Resolution:
Person Contacted: Date/Time:
Comments/ Resolution:

Project Manager Review: Date: 10/16/15

November 05, 2015

Patricia Feeley, P.G.
Environmental Design International Inc.
33 West Monroe Street
Suite 1825
Chicago, IL 606035326

RE: Project: 0295.020 FAI 55
Pace Project No.: 40123074

Dear Patricia Feeley, P.G.:

Enclosed are the analytical results for sample(s) received by the laboratory on October 16, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Brian Basten for
Laurie Woelfel
laurie.woelfel@pacelabs.com
Project Manager

Enclosures

cc: Andrew Dorn, Environmental Design
Colin Pannier, Environmental Design



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263

North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP ID: 460263
Virginia VELAP Certification ID: 460263
Wisconsin Certification #: 405132750

Revised 11/05/15 16:35

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-14 (0-6)-101615 Lab ID: 40123074001 Collected: 10/16/15 08:35 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.57	mg/kg	2.0	0.57	1	10/22/15 08:07	10/24/15 11:04	7440-36-0	
Arsenic	11.8	mg/kg	2.0	0.63	1	10/22/15 08:07	10/24/15 11:04	7440-38-2	
Barium	39.9	mg/kg	0.50	0.12	1	10/22/15 08:07	10/24/15 11:04	7440-39-3	
Beryllium	0.68	mg/kg	0.40	0.037	1	10/22/15 08:07	10/24/15 11:04	7440-41-7	
Cadmium	<0.066	mg/kg	0.50	0.066	1	10/22/15 08:07	10/24/15 11:04	7440-43-9	
Calcium	15900	mg/kg	99.7	2.7	1	10/22/15 08:07	10/24/15 11:04	7440-70-2	
Chromium	18.7	mg/kg	0.50	0.19	1	10/22/15 08:07	10/24/15 11:04	7440-47-3	
Cobalt	8.5	mg/kg	0.50	0.097	1	10/22/15 08:07	10/24/15 11:04	7440-48-4	
Copper	27.0	mg/kg	1.0	0.16	1	10/22/15 08:07	10/24/15 11:04	7440-50-8	
Iron	20800	mg/kg	10	1.7	1	10/22/15 08:07	10/24/15 11:04	7439-89-6	
Lead	14.8	mg/kg	1.0	0.43	1	10/22/15 08:07	10/24/15 11:04	7439-92-1	
Magnesium	11400	mg/kg	99.7	5.4	1	10/22/15 08:07	10/24/15 11:04	7439-95-4	
Manganese	396	mg/kg	0.50	0.051	1	10/22/15 08:07	10/24/15 11:04	7439-96-5	
Nickel	22.3	mg/kg	1.0	0.13	1	10/22/15 08:07	10/24/15 11:04	7440-02-0	
Potassium	2370	mg/kg	99.7	8.2	1	10/22/15 08:07	10/24/15 11:04	7440-09-7	
Selenium	<0.77	mg/kg	2.0	0.77	1	10/22/15 08:07	10/24/15 11:04	7782-49-2	
Silver	<0.28	mg/kg	1.0	0.28	1	10/22/15 08:07	10/24/15 11:04	7440-22-4	
Sodium	80.7J	mg/kg	99.7	3.8	1	10/22/15 08:07	10/24/15 11:04	7440-23-5	
Thallium	<0.82	mg/kg	4.0	0.82	1	10/22/15 08:07	10/24/15 11:04	7440-28-0	
Vanadium	42.2	mg/kg	1.0	0.20	1	10/22/15 08:07	10/24/15 11:04	7440-62-2	
Zinc	45.5	mg/kg	4.0	0.38	1	10/22/15 08:07	10/24/15 11:04	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/20/15 05:08

Arsenic	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:49	7440-38-2	
Barium	0.68	mg/L	0.50	0.25	1	10/20/15 13:22	10/26/15 16:49	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:49	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/20/15 13:22	10/26/15 16:49	7440-43-9	
Chromium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:49	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:49	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:49	7440-50-8	
Iron	16.1	mg/L	0.50	0.25	1	10/20/15 13:22	10/26/15 16:49	7439-89-6	
Lead	0.0099	mg/L	0.0075	0.0038	1	10/20/15 13:22	10/26/15 16:49	7439-92-1	
Manganese	0.14	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:49	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:49	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:49	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:49	7440-22-4	
Zinc	0.13	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:49	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/20/15 05:06

Arsenic	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 12:45	7440-38-2	
Barium	0.26J	mg/L	0.50	0.25	1	10/20/15 13:53	10/25/15 12:45	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 12:45	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/20/15 13:53	10/25/15 12:45	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-14 (0-6)-101615 **Lab ID: 40123074001** Collected: 10/16/15 08:35 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/20/15 05:06									
Chromium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 12:45	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 12:45	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 12:45	7440-50-8	
Iron	<0.25	mg/L	0.50	0.25	1	10/20/15 13:53	10/25/15 12:45	7439-89-6	
Lead	<0.0030	mg/L	0.0075	0.0030	1	10/20/15 13:53	10/25/15 12:45	7439-92-1	
Manganese	1.4	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 12:45	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 12:45	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 12:45	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 12:45	7440-22-4	
Zinc	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 12:45	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/20/15 05:08									
Mercury	<0.10	ug/L	0.20	0.10	1	10/21/15 10:25	10/22/15 12:56	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/20/15 05:06									
Mercury	<0.10	ug/L	0.20	0.10	1	10/21/15 10:25	10/22/15 13:47	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.016	mg/kg	0.010	0.0027	1	10/26/15 17:42	10/27/15 12:15	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<68.1	ug/kg	227	68.1	1	10/22/15 09:14	10/23/15 10:35	83-32-9	
Acenaphthylene	<68.5	ug/kg	228	68.5	1	10/22/15 09:14	10/23/15 10:35	208-96-8	
Anthracene	<30.7	ug/kg	102	30.7	1	10/22/15 09:14	10/23/15 10:35	120-12-7	
Benzo(a)anthracene	<29.7	ug/kg	99.1	29.7	1	10/22/15 09:14	10/23/15 10:35	56-55-3	
Benzo(a)pyrene	<28.9	ug/kg	96.3	28.9	1	10/22/15 09:14	10/23/15 10:35	50-32-8	
Benzo(b)fluoranthene	<33.0	ug/kg	110	33.0	1	10/22/15 09:14	10/23/15 10:35	205-99-2	
Benzo(g,h,i)perylene	<50.2	ug/kg	167	50.2	1	10/22/15 09:14	10/23/15 10:35	191-24-2	
Benzo(k)fluoranthene	<46.0	ug/kg	153	46.0	1	10/22/15 09:14	10/23/15 10:35	207-08-9	
4-Bromophenylphenyl ether	<40.2	ug/kg	134	40.2	1	10/22/15 09:14	10/23/15 10:35	101-55-3	
Butylbenzylphthalate	<30.8	ug/kg	103	30.8	1	10/22/15 09:14	10/23/15 10:35	85-68-7	
Carbazole	<30.1	ug/kg	100	30.1	1	10/22/15 09:14	10/23/15 10:35	86-74-8	
4-Chloro-3-methylphenol	<59.7	ug/kg	199	59.7	1	10/22/15 09:14	10/23/15 10:35	59-50-7	
4-Chloroaniline	<31.5	ug/kg	105	31.5	1	10/22/15 09:14	10/23/15 10:35	106-47-8	
bis(2-Chloroethoxy)methane	<51.7	ug/kg	172	51.7	1	10/22/15 09:14	10/23/15 10:35	111-91-1	
bis(2-Chloroethyl) ether	<59.9	ug/kg	200	59.9	1	10/22/15 09:14	10/23/15 10:35	111-44-4	
2-Chloronaphthalene	<24.6	ug/kg	82.2	24.6	1	10/22/15 09:14	10/23/15 10:35	91-58-7	
2-Chlorophenol	<47.9	ug/kg	160	47.9	1	10/22/15 09:14	10/23/15 10:35	95-57-8	
4-Chlorophenylphenyl ether	<35.8	ug/kg	119	35.8	1	10/22/15 09:14	10/23/15 10:35	7005-72-3	
Chrysene	<28.7	ug/kg	95.7	28.7	1	10/22/15 09:14	10/23/15 10:35	218-01-9	
Dibenz(a,h)anthracene	<52.1	ug/kg	174	52.1	1	10/22/15 09:14	10/23/15 10:35	53-70-3	
Dibenzofuran	<23.2	ug/kg	77.5	23.2	1	10/22/15 09:14	10/23/15 10:35	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-14 (0-6)-101615 Lab ID: 40123074001 Collected: 10/16/15 08:35 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<60.4	ug/kg	201	60.4	1	10/22/15 09:14	10/23/15 10:35	95-50-1	
1,3-Dichlorobenzene	<26.6	ug/kg	88.6	26.6	1	10/22/15 09:14	10/23/15 10:35	541-73-1	
1,4-Dichlorobenzene	<26.7	ug/kg	89.1	26.7	1	10/22/15 09:14	10/23/15 10:35	106-46-7	
3,3'-Dichlorobenzidine	<52.1	ug/kg	174	52.1	1	10/22/15 09:14	10/23/15 10:35	91-94-1	
2,4-Dichlorophenol	<51.3	ug/kg	171	51.3	1	10/22/15 09:14	10/23/15 10:35	120-83-2	
Diethylphthalate	<31.8	ug/kg	106	31.8	1	10/22/15 09:14	10/23/15 10:35	84-66-2	
2,4-Dimethylphenol	<38.0	ug/kg	127	38.0	1	10/22/15 09:14	10/23/15 10:35	105-67-9	
Dimethylphthalate	<25.0	ug/kg	83.2	25.0	1	10/22/15 09:14	10/23/15 10:35	131-11-3	
Di-n-butylphthalate	<28.7	ug/kg	95.6	28.7	1	10/22/15 09:14	10/23/15 10:35	84-74-2	
4,6-Dinitro-2-methylphenol	<59.2	ug/kg	197	59.2	1	10/22/15 09:14	10/23/15 10:35	534-52-1	
2,4-Dinitrophenol	<58.5	ug/kg	195	58.5	1	10/22/15 09:14	10/23/15 10:35	51-28-5	
2,4-Dinitrotoluene	<27.5	ug/kg	91.5	27.5	1	10/22/15 09:14	10/23/15 10:35	121-14-2	
2,6-Dinitrotoluene	<36.4	ug/kg	121	36.4	1	10/22/15 09:14	10/23/15 10:35	606-20-2	
Di-n-octylphthalate	<43.2	ug/kg	144	43.2	1	10/22/15 09:14	10/23/15 10:35	117-84-0	
bis(2-Ethylhexyl)phthalate	<31.9	ug/kg	106	31.9	1	10/22/15 09:14	10/23/15 10:35	117-81-7	
Fluoranthene	<27.2	ug/kg	90.5	27.2	1	10/22/15 09:14	10/23/15 10:35	206-44-0	
Fluorene	<22.4	ug/kg	74.8	22.4	1	10/22/15 09:14	10/23/15 10:35	86-73-7	
Hexachloro-1,3-butadiene	<48.9	ug/kg	163	48.9	1	10/22/15 09:14	10/23/15 10:35	87-68-3	
Hexachlorobenzene	<32.3	ug/kg	108	32.3	1	10/22/15 09:14	10/23/15 10:35	118-74-1	
Hexachlorocyclopentadiene	<45.4	ug/kg	151	45.4	1	10/22/15 09:14	10/23/15 10:35	77-47-4	
Hexachloroethane	<30.7	ug/kg	102	30.7	1	10/22/15 09:14	10/23/15 10:35	67-72-1	
Indeno(1,2,3-cd)pyrene	<41.5	ug/kg	138	41.5	1	10/22/15 09:14	10/23/15 10:35	193-39-5	
Isophorone	<29.5	ug/kg	98.4	29.5	1	10/22/15 09:14	10/23/15 10:35	78-59-1	
2-Methylnaphthalene	<49.8	ug/kg	166	49.8	1	10/22/15 09:14	10/23/15 10:35	91-57-6	
2-Methylphenol(o-Cresol)	<34.9	ug/kg	116	34.9	1	10/22/15 09:14	10/23/15 10:35	95-48-7	
3&4-Methylphenol(m&p Cresol)	<35.2	ug/kg	117	35.2	1	10/22/15 09:14	10/23/15 10:35		
Naphthalene	<67.1	ug/kg	224	67.1	1	10/22/15 09:14	10/23/15 10:35	91-20-3	
2-Nitroaniline	<54.7	ug/kg	182	54.7	1	10/22/15 09:14	10/23/15 10:35	88-74-4	
3-Nitroaniline	<32.6	ug/kg	109	32.6	1	10/22/15 09:14	10/23/15 10:35	99-09-2	
4-Nitroaniline	<79.7	ug/kg	266	79.7	1	10/22/15 09:14	10/23/15 10:35	100-01-6	
Nitrobenzene	<38.9	ug/kg	130	38.9	1	10/22/15 09:14	10/23/15 10:35	98-95-3	
2-Nitrophenol	<60.6	ug/kg	202	60.6	1	10/22/15 09:14	10/23/15 10:35	88-75-5	
4-Nitrophenol	<48.3	ug/kg	161	48.3	1	10/22/15 09:14	10/23/15 10:35	100-02-7	
N-Nitroso-di-n-propylamine	<30.4	ug/kg	101	30.4	1	10/22/15 09:14	10/23/15 10:35	621-64-7	
N-Nitrosodiphenylamine	<260	ug/kg	868	260	1	10/22/15 09:14	10/23/15 10:35	86-30-6	
2,2'-Oxybis(1-chloropropane)	<49.5	ug/kg	165	49.5	1	10/22/15 09:14	10/23/15 10:35	108-60-1	
Pentachlorophenol	<42.3	ug/kg	141	42.3	1	10/22/15 09:14	10/23/15 10:35	87-86-5	
Phenanthrene	<24.6	ug/kg	82.1	24.6	1	10/22/15 09:14	10/23/15 10:35	85-01-8	
Phenol	<45.6	ug/kg	152	45.6	1	10/22/15 09:14	10/23/15 10:35	108-95-2	
Pyrene	<42.5	ug/kg	142	42.5	1	10/22/15 09:14	10/23/15 10:35	129-00-0	
1,2,4-Trichlorobenzene	<21.7	ug/kg	72.3	21.7	1	10/22/15 09:14	10/23/15 10:35	120-82-1	
2,4,5-Trichlorophenol	<33.9	ug/kg	113	33.9	1	10/22/15 09:14	10/23/15 10:35	95-95-4	
2,4,6-Trichlorophenol	<29.3	ug/kg	97.6	29.3	1	10/22/15 09:14	10/23/15 10:35	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	66	%	45-130		1	10/22/15 09:14	10/23/15 10:35	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-14 (0-6)-101615 **Lab ID: 40123074001** Collected: 10/16/15 08:35 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

2-Fluorobiphenyl (S)	79	%	51-130		1	10/22/15 09:14	10/23/15 10:35	321-60-8	
Terphenyl-d14 (S)	87	%	37-134		1	10/22/15 09:14	10/23/15 10:35	1718-51-0	
Phenol-d6 (S)	75	%	36-130		1	10/22/15 09:14	10/23/15 10:35	13127-88-3	
2-Fluorophenol (S)	59	%	37-130		1	10/22/15 09:14	10/23/15 10:35	367-12-4	
2,4,6-Tribromophenol (S)	72	%	30-130		1	10/22/15 09:14	10/23/15 10:35	118-79-6	

8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260

Acetone	<4.4	ug/kg	14.3	4.4	1	10/20/15 12:00	10/21/15 10:06	67-64-1	2q
Benzene	<1.1	ug/kg	3.6	1.1	1	10/20/15 12:00	10/21/15 10:06	71-43-2	
Bromodichloromethane	<0.78	ug/kg	3.6	0.78	1	10/20/15 12:00	10/21/15 10:06	75-27-4	
Bromoform	<0.61	ug/kg	3.6	0.61	1	10/20/15 12:00	10/21/15 10:06	75-25-2	
Bromomethane	<1.1	ug/kg	7.1	1.1	1	10/20/15 12:00	10/21/15 10:06	74-83-9	
2-Butanone (MEK)	<2.0	ug/kg	14.3	2.0	1	10/20/15 12:00	10/21/15 10:06	78-93-3	
Carbon disulfide	<0.92	ug/kg	3.6	0.92	1	10/20/15 12:00	10/21/15 10:06	75-15-0	
Carbon tetrachloride	<1.1	ug/kg	3.6	1.1	1	10/20/15 12:00	10/21/15 10:06	56-23-5	
Chlorobenzene	<1.1	ug/kg	3.6	1.1	1	10/20/15 12:00	10/21/15 10:06	108-90-7	
Chloroethane	<1.4	ug/kg	3.6	1.4	1	10/20/15 12:00	10/21/15 10:06	75-00-3	
Chloroform	<0.68	ug/kg	3.6	0.68	1	10/20/15 12:00	10/21/15 10:06	67-66-3	
Chloromethane	<0.40	ug/kg	3.6	0.40	1	10/20/15 12:00	10/21/15 10:06	74-87-3	
Dibromochloromethane	<1.2	ug/kg	3.6	1.2	1	10/20/15 12:00	10/21/15 10:06	124-48-1	
1,1-Dichloroethane	<1.7	ug/kg	3.6	1.7	1	10/20/15 12:00	10/21/15 10:06	75-34-3	
1,2-Dichloroethane	<0.70	ug/kg	3.6	0.70	1	10/20/15 12:00	10/21/15 10:06	107-06-2	
1,1-Dichloroethene	<1.6	ug/kg	3.6	1.6	1	10/20/15 12:00	10/21/15 10:06	75-35-4	
cis-1,2-Dichloroethene	<0.95	ug/kg	3.6	0.95	1	10/20/15 12:00	10/21/15 10:06	156-59-2	
trans-1,2-Dichloroethene	<0.88	ug/kg	3.6	0.88	1	10/20/15 12:00	10/21/15 10:06	156-60-5	
1,2-Dichloropropane	<0.90	ug/kg	3.6	0.90	1	10/20/15 12:00	10/21/15 10:06	78-87-5	
cis-1,3-Dichloropropene	<0.48	ug/kg	3.6	0.48	1	10/20/15 12:00	10/21/15 10:06	10061-01-5	
trans-1,3-Dichloropropene	<0.66	ug/kg	3.6	0.66	1	10/20/15 12:00	10/21/15 10:06	10061-02-6	
Ethylbenzene	<1.0	ug/kg	3.6	1.0	1	10/20/15 12:00	10/21/15 10:06	100-41-4	
2-Hexanone	<1.1	ug/kg	3.6	1.1	1	10/20/15 12:00	10/21/15 10:06	591-78-6	
Methylene Chloride	<1.3	ug/kg	3.6	1.3	1	10/20/15 12:00	10/21/15 10:06	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	<0.88	ug/kg	3.6	0.88	1	10/20/15 12:00	10/21/15 10:06	108-10-1	
Methyl-tert-butyl ether	<0.72	ug/kg	3.6	0.72	1	10/20/15 12:00	10/21/15 10:06	1634-04-4	
Styrene	<0.54	ug/kg	3.6	0.54	1	10/20/15 12:00	10/21/15 10:06	100-42-5	
1,1,2,2-Tetrachloroethane	<1.5	ug/kg	3.6	1.5	1	10/20/15 12:00	10/21/15 10:06	79-34-5	
Tetrachloroethene	<1.1	ug/kg	3.6	1.1	1	10/20/15 12:00	10/21/15 10:06	127-18-4	
Toluene	<1.1	ug/kg	3.6	1.1	1	10/20/15 12:00	10/21/15 10:06	108-88-3	
1,1,1-Trichloroethane	<1.1	ug/kg	3.6	1.1	1	10/20/15 12:00	10/21/15 10:06	71-55-6	
1,1,2-Trichloroethane	<1.4	ug/kg	3.6	1.4	1	10/20/15 12:00	10/21/15 10:06	79-00-5	
Trichloroethene	<1.4	ug/kg	3.6	1.4	1	10/20/15 12:00	10/21/15 10:06	79-01-6	
Vinyl chloride	<0.39	ug/kg	3.6	0.39	1	10/20/15 12:00	10/21/15 10:06	75-01-4	
Xylene (Total)	<3.2	ug/kg	10.7	3.2	1	10/20/15 12:00	10/21/15 10:06	1330-20-7	

Surrogates

Dibromofluoromethane (S)	109	%	70-130		1	10/20/15 12:00	10/21/15 10:06	1868-53-7	
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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-14 (0-6)-101615 **Lab ID: 40123074001** Collected: 10/16/15 08:35 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	106	%	67-138		1	10/20/15 12:00	10/21/15 10:06	2037-26-5	
4-Bromofluorobenzene (S)	95	%	68-130		1	10/20/15 12:00	10/21/15 10:06	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	13.0	%	0.10	0.10	1		10/17/15 12:12		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	7.75	Std. Units	0.100	0.0100	1		10/23/15 12:35		H6

Revised 11/05/15 16:33

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-14 (0-6)-101615D Lab ID: 40123074002 Collected: 10/16/15 08:40 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.62	mg/kg	2.2	0.62	1	10/22/15 08:07	10/25/15 11:11	7440-36-0	
Arsenic	6.9	mg/kg	2.2	0.69	1	10/22/15 08:07	10/25/15 11:11	7440-38-2	
Barium	40.4	mg/kg	0.55	0.13	1	10/22/15 08:07	10/25/15 11:11	7440-39-3	
Beryllium	0.56	mg/kg	0.44	0.041	1	10/22/15 08:07	10/25/15 11:11	7440-41-7	
Cadmium	<0.072	mg/kg	0.55	0.072	1	10/22/15 08:07	10/25/15 11:11	7440-43-9	
Calcium	34600	mg/kg	109	3.0	1	10/22/15 08:07	10/25/15 11:11	7440-70-2	
Chromium	17.1	mg/kg	0.55	0.21	1	10/22/15 08:07	10/25/15 11:11	7440-47-3	
Cobalt	7.3	mg/kg	0.55	0.11	1	10/22/15 08:07	10/25/15 11:11	7440-48-4	
Copper	18.3	mg/kg	1.1	0.17	1	10/22/15 08:07	10/25/15 11:11	7440-50-8	
Iron	15900	mg/kg	10.9	1.8	1	10/22/15 08:07	10/25/15 11:11	7439-89-6	
Lead	10.1	mg/kg	1.1	0.47	1	10/22/15 08:07	10/25/15 11:11	7439-92-1	
Magnesium	21800	mg/kg	109	5.9	1	10/22/15 08:07	10/25/15 11:11	7439-95-4	
Manganese	333	mg/kg	0.55	0.055	1	10/22/15 08:07	10/25/15 11:11	7439-96-5	
Nickel	17.0	mg/kg	1.1	0.14	1	10/22/15 08:07	10/25/15 11:11	7440-02-0	
Potassium	2130	mg/kg	109	9.0	1	10/22/15 08:07	10/25/15 11:11	7440-09-7	
Selenium	<0.84	mg/kg	2.2	0.84	1	10/22/15 08:07	10/25/15 11:11	7782-49-2	
Silver	<0.30	mg/kg	1.1	0.30	1	10/22/15 08:07	10/25/15 11:11	7440-22-4	
Sodium	145	mg/kg	109	4.2	1	10/22/15 08:07	10/25/15 11:11	7440-23-5	
Thallium	<0.89	mg/kg	4.4	0.89	1	10/22/15 08:07	10/25/15 11:11	7440-28-0	
Vanadium	34.0	mg/kg	1.1	0.22	1	10/22/15 08:07	10/25/15 11:11	7440-62-2	
Zinc	34.0	mg/kg	4.4	0.42	1	10/22/15 08:07	10/25/15 11:11	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/20/15 05:08

Arsenic	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:51	7440-38-2	
Barium	1.0	mg/L	0.50	0.25	1	10/20/15 13:22	10/26/15 16:51	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:51	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/20/15 13:22	10/26/15 16:51	7440-43-9	
Chromium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:51	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:51	7440-48-4	
Copper	0.039J	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:51	7440-50-8	
Iron	16.1	mg/L	0.50	0.25	1	10/20/15 13:22	10/26/15 16:51	7439-89-6	
Lead	0.011	mg/L	0.0075	0.0038	1	10/20/15 13:22	10/26/15 16:51	7439-92-1	
Manganese	0.14	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:51	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:51	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:51	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:51	7440-22-4	
Zinc	0.26	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:51	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/20/15 05:06

Arsenic	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 12:53	7440-38-2	
Barium	<0.25	mg/L	0.50	0.25	1	10/20/15 13:53	10/25/15 12:53	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 12:53	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/20/15 13:53	10/25/15 12:53	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-14 (0-6)-101615D Lab ID: 40123074002 Collected: 10/16/15 08:40 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/20/15 05:06									
Chromium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 12:53	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 12:53	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 12:53	7440-50-8	
Iron	<0.25	mg/L	0.50	0.25	1	10/20/15 13:53	10/25/15 12:53	7439-89-6	
Lead	<0.0030	mg/L	0.0075	0.0030	1	10/20/15 13:53	10/25/15 12:53	7439-92-1	
Manganese	1.4	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 12:53	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 12:53	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 12:53	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 12:53	7440-22-4	
Zinc	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 12:53	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/20/15 05:08									
Mercury	0.18J	ug/L	0.20	0.10	1	10/21/15 10:25	10/22/15 13:03	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/20/15 05:06									
Mercury	<0.10	ug/L	0.20	0.10	1	10/21/15 10:25	10/22/15 13:54	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.012	mg/kg	0.0092	0.0025	1	10/26/15 17:42	10/27/15 12:17	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<137	ug/kg	456	137	1	10/22/15 09:14	10/23/15 11:07	83-32-9	
Acenaphthylene	<137	ug/kg	458	137	1	10/22/15 09:14	10/23/15 11:07	208-96-8	
Anthracene	<61.6	ug/kg	205	61.6	1	10/22/15 09:14	10/23/15 11:07	120-12-7	
Benzo(a)anthracene	<59.7	ug/kg	199	59.7	1	10/22/15 09:14	10/23/15 11:07	56-55-3	
Benzo(a)pyrene	<58.0	ug/kg	193	58.0	1	10/22/15 09:14	10/23/15 11:07	50-32-8	
Benzo(b)fluoranthene	<66.2	ug/kg	221	66.2	1	10/22/15 09:14	10/23/15 11:07	205-99-2	
Benzo(g,h,i)perylene	<101	ug/kg	336	101	1	10/22/15 09:14	10/23/15 11:07	191-24-2	
Benzo(k)fluoranthene	<92.3	ug/kg	308	92.3	1	10/22/15 09:14	10/23/15 11:07	207-08-9	
4-Bromophenylphenyl ether	<80.7	ug/kg	269	80.7	1	10/22/15 09:14	10/23/15 11:07	101-55-3	
Butylbenzylphthalate	<61.8	ug/kg	206	61.8	1	10/22/15 09:14	10/23/15 11:07	85-68-7	
Carbazole	<60.3	ug/kg	201	60.3	1	10/22/15 09:14	10/23/15 11:07	86-74-8	
4-Chloro-3-methylphenol	<120	ug/kg	400	120	1	10/22/15 09:14	10/23/15 11:07	59-50-7	
4-Chloroaniline	<63.3	ug/kg	211	63.3	1	10/22/15 09:14	10/23/15 11:07	106-47-8	
bis(2-Chloroethoxy)methane	<104	ug/kg	346	104	1	10/22/15 09:14	10/23/15 11:07	111-91-1	
bis(2-Chloroethyl) ether	<120	ug/kg	401	120	1	10/22/15 09:14	10/23/15 11:07	111-44-4	
2-Chloronaphthalene	<49.5	ug/kg	165	49.5	1	10/22/15 09:14	10/23/15 11:07	91-58-7	
2-Chlorophenol	<96.2	ug/kg	321	96.2	1	10/22/15 09:14	10/23/15 11:07	95-57-8	
4-Chlorophenylphenyl ether	<71.8	ug/kg	239	71.8	1	10/22/15 09:14	10/23/15 11:07	7005-72-3	
Chrysene	<57.6	ug/kg	192	57.6	1	10/22/15 09:14	10/23/15 11:07	218-01-9	
Dibenz(a,h)anthracene	<105	ug/kg	349	105	1	10/22/15 09:14	10/23/15 11:07	53-70-3	
Dibenzofuran	<46.6	ug/kg	155	46.6	1	10/22/15 09:14	10/23/15 11:07	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-14 (0-6)-101615D **Lab ID: 40123074002** Collected: 10/16/15 08:40 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<121	ug/kg	404	121	1	10/22/15 09:14	10/23/15 11:07	95-50-1	
1,3-Dichlorobenzene	<53.4	ug/kg	178	53.4	1	10/22/15 09:14	10/23/15 11:07	541-73-1	
1,4-Dichlorobenzene	<53.7	ug/kg	179	53.7	1	10/22/15 09:14	10/23/15 11:07	106-46-7	
3,3'-Dichlorobenzidine	<105	ug/kg	349	105	1	10/22/15 09:14	10/23/15 11:07	91-94-1	
2,4-Dichlorophenol	<103	ug/kg	343	103	1	10/22/15 09:14	10/23/15 11:07	120-83-2	
Diethylphthalate	<63.9	ug/kg	213	63.9	1	10/22/15 09:14	10/23/15 11:07	84-66-2	
2,4-Dimethylphenol	<76.2	ug/kg	254	76.2	1	10/22/15 09:14	10/23/15 11:07	105-67-9	
Dimethylphthalate	<50.1	ug/kg	167	50.1	1	10/22/15 09:14	10/23/15 11:07	131-11-3	
Di-n-butylphthalate	<57.6	ug/kg	192	57.6	1	10/22/15 09:14	10/23/15 11:07	84-74-2	
4,6-Dinitro-2-methylphenol	<119	ug/kg	396	119	1	10/22/15 09:14	10/23/15 11:07	534-52-1	
2,4-Dinitrophenol	<117	ug/kg	391	117	1	10/22/15 09:14	10/23/15 11:07	51-28-5	
2,4-Dinitrotoluene	<55.1	ug/kg	184	55.1	1	10/22/15 09:14	10/23/15 11:07	121-14-2	
2,6-Dinitrotoluene	<73.2	ug/kg	244	73.2	1	10/22/15 09:14	10/23/15 11:07	606-20-2	
Di-n-octylphthalate	<86.6	ug/kg	289	86.6	1	10/22/15 09:14	10/23/15 11:07	117-84-0	
bis(2-Ethylhexyl)phthalate	<64.1	ug/kg	214	64.1	1	10/22/15 09:14	10/23/15 11:07	117-81-7	
Fluoranthene	<54.5	ug/kg	182	54.5	1	10/22/15 09:14	10/23/15 11:07	206-44-0	
Fluorene	<45.0	ug/kg	150	45.0	1	10/22/15 09:14	10/23/15 11:07	86-73-7	
Hexachloro-1,3-butadiene	<98.2	ug/kg	327	98.2	1	10/22/15 09:14	10/23/15 11:07	87-68-3	
Hexachlorobenzene	<64.8	ug/kg	216	64.8	1	10/22/15 09:14	10/23/15 11:07	118-74-1	
Hexachlorocyclopentadiene	<91.2	ug/kg	304	91.2	1	10/22/15 09:14	10/23/15 11:07	77-47-4	
Hexachloroethane	<61.7	ug/kg	206	61.7	1	10/22/15 09:14	10/23/15 11:07	67-72-1	
Indeno(1,2,3-cd)pyrene	<83.4	ug/kg	278	83.4	1	10/22/15 09:14	10/23/15 11:07	193-39-5	
Isophorone	<59.2	ug/kg	197	59.2	1	10/22/15 09:14	10/23/15 11:07	78-59-1	
2-Methylnaphthalene	<100	ug/kg	334	100	1	10/22/15 09:14	10/23/15 11:07	91-57-6	
2-Methylphenol(o-Cresol)	<70.0	ug/kg	233	70.0	1	10/22/15 09:14	10/23/15 11:07	95-48-7	
3&4-Methylphenol(m&p Cresol)	<70.6	ug/kg	235	70.6	1	10/22/15 09:14	10/23/15 11:07		
Naphthalene	<135	ug/kg	449	135	1	10/22/15 09:14	10/23/15 11:07	91-20-3	
2-Nitroaniline	<110	ug/kg	366	110	1	10/22/15 09:14	10/23/15 11:07	88-74-4	
3-Nitroaniline	<65.5	ug/kg	218	65.5	1	10/22/15 09:14	10/23/15 11:07	99-09-2	
4-Nitroaniline	<160	ug/kg	533	160	1	10/22/15 09:14	10/23/15 11:07	100-01-6	
Nitrobenzene	<78.1	ug/kg	260	78.1	1	10/22/15 09:14	10/23/15 11:07	98-95-3	
2-Nitrophenol	<122	ug/kg	405	122	1	10/22/15 09:14	10/23/15 11:07	88-75-5	
4-Nitrophenol	<97.0	ug/kg	323	97.0	1	10/22/15 09:14	10/23/15 11:07	100-02-7	
N-Nitroso-di-n-propylamine	<61.1	ug/kg	204	61.1	1	10/22/15 09:14	10/23/15 11:07	621-64-7	
N-Nitrosodiphenylamine	<523	ug/kg	1740	523	1	10/22/15 09:14	10/23/15 11:07	86-30-6	
2,2'-Oxybis(1-chloropropane)	<99.4	ug/kg	331	99.4	1	10/22/15 09:14	10/23/15 11:07	108-60-1	
Pentachlorophenol	<84.9	ug/kg	283	84.9	1	10/22/15 09:14	10/23/15 11:07	87-86-5	
Phenanthrene	<49.4	ug/kg	165	49.4	1	10/22/15 09:14	10/23/15 11:07	85-01-8	
Phenol	<91.5	ug/kg	305	91.5	1	10/22/15 09:14	10/23/15 11:07	108-95-2	
Pyrene	<85.4	ug/kg	285	85.4	1	10/22/15 09:14	10/23/15 11:07	129-00-0	
1,2,4-Trichlorobenzene	<43.6	ug/kg	145	43.6	1	10/22/15 09:14	10/23/15 11:07	120-82-1	
2,4,5-Trichlorophenol	<68.1	ug/kg	227	68.1	1	10/22/15 09:14	10/23/15 11:07	95-95-4	
2,4,6-Trichlorophenol	<58.8	ug/kg	196	58.8	1	10/22/15 09:14	10/23/15 11:07	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	58	%	45-130		1	10/22/15 09:14	10/23/15 11:07	4165-60-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-14 (0-6)-101615D **Lab ID: 40123074002** Collected: 10/16/15 08:40 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

2-Fluorobiphenyl (S)	70	%	51-130		1	10/22/15 09:14	10/23/15 11:07	321-60-8	
Terphenyl-d14 (S)	79	%	37-134		1	10/22/15 09:14	10/23/15 11:07	1718-51-0	
Phenol-d6 (S)	72	%	36-130		1	10/22/15 09:14	10/23/15 11:07	13127-88-3	
2-Fluorophenol (S)	57	%	37-130		1	10/22/15 09:14	10/23/15 11:07	367-12-4	
2,4,6-Tribromophenol (S)	66	%	30-130		1	10/22/15 09:14	10/23/15 11:07	118-79-6	

8260 MSV 5035 Low Level

Analytical Method: EPA 8260 Preparation Method: EPA 8260

Acetone	<4.0	ug/kg	12.8	4.0	1	10/20/15 12:00	10/21/15 10:29	67-64-1	2q
Benzene	<1.0	ug/kg	3.2	1.0	1	10/20/15 12:00	10/21/15 10:29	71-43-2	
Bromodichloromethane	<0.70	ug/kg	3.2	0.70	1	10/20/15 12:00	10/21/15 10:29	75-27-4	
Bromoform	<0.54	ug/kg	3.2	0.54	1	10/20/15 12:00	10/21/15 10:29	75-25-2	
Bromomethane	<0.96	ug/kg	6.4	0.96	1	10/20/15 12:00	10/21/15 10:29	74-83-9	
2-Butanone (MEK)	<1.8	ug/kg	12.8	1.8	1	10/20/15 12:00	10/21/15 10:29	78-93-3	
Carbon disulfide	<0.83	ug/kg	3.2	0.83	1	10/20/15 12:00	10/21/15 10:29	75-15-0	
Carbon tetrachloride	<1.0	ug/kg	3.2	1.0	1	10/20/15 12:00	10/21/15 10:29	56-23-5	
Chlorobenzene	<1.0	ug/kg	3.2	1.0	1	10/20/15 12:00	10/21/15 10:29	108-90-7	
Chloroethane	<1.3	ug/kg	3.2	1.3	1	10/20/15 12:00	10/21/15 10:29	75-00-3	
Chloroform	<0.61	ug/kg	3.2	0.61	1	10/20/15 12:00	10/21/15 10:29	67-66-3	
Chloromethane	<0.36	ug/kg	3.2	0.36	1	10/20/15 12:00	10/21/15 10:29	74-87-3	
Dibromochloromethane	<1.1	ug/kg	3.2	1.1	1	10/20/15 12:00	10/21/15 10:29	124-48-1	
1,1-Dichloroethane	<1.5	ug/kg	3.2	1.5	1	10/20/15 12:00	10/21/15 10:29	75-34-3	
1,2-Dichloroethane	<0.63	ug/kg	3.2	0.63	1	10/20/15 12:00	10/21/15 10:29	107-06-2	
1,1-Dichloroethene	<1.5	ug/kg	3.2	1.5	1	10/20/15 12:00	10/21/15 10:29	75-35-4	
cis-1,2-Dichloroethene	<0.85	ug/kg	3.2	0.85	1	10/20/15 12:00	10/21/15 10:29	156-59-2	
trans-1,2-Dichloroethene	<0.79	ug/kg	3.2	0.79	1	10/20/15 12:00	10/21/15 10:29	156-60-5	
1,2-Dichloropropane	<0.81	ug/kg	3.2	0.81	1	10/20/15 12:00	10/21/15 10:29	78-87-5	
cis-1,3-Dichloropropene	<0.43	ug/kg	3.2	0.43	1	10/20/15 12:00	10/21/15 10:29	10061-01-5	
trans-1,3-Dichloropropene	<0.59	ug/kg	3.2	0.59	1	10/20/15 12:00	10/21/15 10:29	10061-02-6	
Ethylbenzene	<0.93	ug/kg	3.2	0.93	1	10/20/15 12:00	10/21/15 10:29	100-41-4	
2-Hexanone	<0.95	ug/kg	3.2	0.95	1	10/20/15 12:00	10/21/15 10:29	591-78-6	
Methylene Chloride	<1.2	ug/kg	3.2	1.2	1	10/20/15 12:00	10/21/15 10:29	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	<0.79	ug/kg	3.2	0.79	1	10/20/15 12:00	10/21/15 10:29	108-10-1	
Methyl-tert-butyl ether	<0.64	ug/kg	3.2	0.64	1	10/20/15 12:00	10/21/15 10:29	1634-04-4	
Styrene	<0.49	ug/kg	3.2	0.49	1	10/20/15 12:00	10/21/15 10:29	100-42-5	
1,1,2,2-Tetrachloroethane	<1.3	ug/kg	3.2	1.3	1	10/20/15 12:00	10/21/15 10:29	79-34-5	
Tetrachloroethene	<1.0	ug/kg	3.2	1.0	1	10/20/15 12:00	10/21/15 10:29	127-18-4	
Toluene	<0.95	ug/kg	3.2	0.95	1	10/20/15 12:00	10/21/15 10:29	108-88-3	
1,1,1-Trichloroethane	<0.99	ug/kg	3.2	0.99	1	10/20/15 12:00	10/21/15 10:29	71-55-6	
1,1,2-Trichloroethane	<1.2	ug/kg	3.2	1.2	1	10/20/15 12:00	10/21/15 10:29	79-00-5	
Trichloroethene	<1.2	ug/kg	3.2	1.2	1	10/20/15 12:00	10/21/15 10:29	79-01-6	
Vinyl chloride	<0.35	ug/kg	3.2	0.35	1	10/20/15 12:00	10/21/15 10:29	75-01-4	
Xylene (Total)	<2.9	ug/kg	9.6	2.9	1	10/20/15 12:00	10/21/15 10:29	1330-20-7	

Surrogates

Dibromofluoromethane (S)	112	%	70-130		1	10/20/15 12:00	10/21/15 10:29	1868-53-7	
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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-14 (0-6)-101615D **Lab ID: 40123074002** Collected: 10/16/15 08:40 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	103	%	67-138		1	10/20/15 12:00	10/21/15 10:29	2037-26-5	
4-Bromofluorobenzene (S)	93	%	68-130		1	10/20/15 12:00	10/21/15 10:29	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	13.4	%	0.10	0.10	1		10/17/15 12:12		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	7.33	Std. Units	0.100	0.0100	1		10/23/15 12:35		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-11 (0-4)-101615 Lab ID: 40123074005 Collected: 10/16/15 09:20 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	0.69J	mg/kg	2.3	0.64	1	10/22/15 08:07	10/25/15 11:15	7440-36-0	
Arsenic	8.0	mg/kg	2.3	0.72	1	10/22/15 08:07	10/25/15 11:15	7440-38-2	
Barium	53.8	mg/kg	0.57	0.13	1	10/22/15 08:07	10/25/15 11:15	7440-39-3	
Beryllium	0.61	mg/kg	0.45	0.043	1	10/22/15 08:07	10/25/15 11:15	7440-41-7	
Cadmium	<0.075	mg/kg	0.57	0.075	1	10/22/15 08:07	10/25/15 11:15	7440-43-9	
Calcium	17100	mg/kg	113	3.1	1	10/22/15 08:07	10/25/15 11:15	7440-70-2	
Chromium	17.7	mg/kg	0.57	0.22	1	10/22/15 08:07	10/25/15 11:15	7440-47-3	
Cobalt	8.5	mg/kg	0.57	0.11	1	10/22/15 08:07	10/25/15 11:15	7440-48-4	
Copper	18.4	mg/kg	1.1	0.18	1	10/22/15 08:07	10/25/15 11:15	7440-50-8	
Iron	17500	mg/kg	11.3	1.9	1	10/22/15 08:07	10/25/15 11:15	7439-89-6	
Lead	14.7	mg/kg	1.1	0.49	1	10/22/15 08:07	10/25/15 11:15	7439-92-1	
Magnesium	11900	mg/kg	113	6.1	1	10/22/15 08:07	10/25/15 11:15	7439-95-4	
Manganese	469	mg/kg	0.57	0.057	1	10/22/15 08:07	10/25/15 11:15	7439-96-5	
Nickel	18.2	mg/kg	1.1	0.15	1	10/22/15 08:07	10/25/15 11:15	7440-02-0	
Potassium	2260	mg/kg	113	9.3	1	10/22/15 08:07	10/25/15 11:15	7440-09-7	
Selenium	<0.87	mg/kg	2.3	0.87	1	10/22/15 08:07	10/25/15 11:15	7782-49-2	
Silver	<0.31	mg/kg	1.1	0.31	1	10/22/15 08:07	10/25/15 11:15	7440-22-4	
Sodium	63.5J	mg/kg	113	4.3	1	10/22/15 08:07	10/25/15 11:15	7440-23-5	
Thallium	<0.93	mg/kg	4.5	0.93	1	10/22/15 08:07	10/25/15 11:15	7440-28-0	
Vanadium	33.3	mg/kg	1.1	0.23	1	10/22/15 08:07	10/25/15 11:15	7440-62-2	
Zinc	41.3	mg/kg	4.5	0.44	1	10/22/15 08:07	10/25/15 11:15	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/20/15 05:08

Arsenic	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:22	7440-38-2	
Barium	1.1	mg/L	0.50	0.25	1	10/20/15 13:22	10/23/15 20:22	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:22	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/20/15 13:22	10/23/15 20:22	7440-43-9	
Chromium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:22	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:22	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:22	7440-50-8	
Iron	15.8	mg/L	0.50	0.25	1	10/20/15 13:22	10/23/15 20:22	7439-89-6	
Lead	0.0090	mg/L	0.0075	0.0038	1	10/20/15 13:22	10/23/15 20:22	7439-92-1	
Manganese	0.17	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:22	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:22	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:22	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:22	7440-22-4	
Zinc	0.32	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:22	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/20/15 05:06

Arsenic	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:05	7440-38-2	
Barium	0.39J	mg/L	0.50	0.25	1	10/20/15 13:53	10/25/15 13:05	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:05	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/20/15 13:53	10/25/15 13:05	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-11 (0-4)-101615 **Lab ID: 40123074005** Collected: 10/16/15 09:20 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/20/15 05:06									
Chromium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:05	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:05	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:05	7440-50-8	
Iron	<0.25	mg/L	0.50	0.25	1	10/20/15 13:53	10/25/15 13:05	7439-89-6	
Lead	<0.0030	mg/L	0.0075	0.0030	1	10/20/15 13:53	10/25/15 13:05	7439-92-1	
Manganese	0.70	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:05	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:05	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:05	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:05	7440-22-4	
Zinc	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:05	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/20/15 05:08									
Mercury	<0.10	ug/L	0.20	0.10	1	10/21/15 10:25	10/22/15 13:10	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/20/15 05:06									
Mercury	<0.10	ug/L	0.20	0.10	1	10/21/15 10:25	10/22/15 14:01	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.019	mg/kg	0.0093	0.0025	1	10/27/15 09:11	10/28/15 09:18	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<67.8	ug/kg	226	67.8	1	10/22/15 09:14	10/23/15 12:45	83-32-9	
Acenaphthylene	<68.2	ug/kg	227	68.2	1	10/22/15 09:14	10/23/15 12:45	208-96-8	
Anthracene	<30.5	ug/kg	102	30.5	1	10/22/15 09:14	10/23/15 12:45	120-12-7	
Benzo(a)anthracene	<29.6	ug/kg	98.6	29.6	1	10/22/15 09:14	10/23/15 12:45	56-55-3	
Benzo(a)pyrene	<28.8	ug/kg	95.8	28.8	1	10/22/15 09:14	10/23/15 12:45	50-32-8	
Benzo(b)fluoranthene	<32.8	ug/kg	109	32.8	1	10/22/15 09:14	10/23/15 12:45	205-99-2	
Benzo(g,h,i)perylene	<50.0	ug/kg	167	50.0	1	10/22/15 09:14	10/23/15 12:45	191-24-2	
Benzo(k)fluoranthene	<45.8	ug/kg	153	45.8	1	10/22/15 09:14	10/23/15 12:45	207-08-9	
4-Bromophenylphenyl ether	<40.0	ug/kg	133	40.0	1	10/22/15 09:14	10/23/15 12:45	101-55-3	
Butylbenzylphthalate	<30.6	ug/kg	102	30.6	1	10/22/15 09:14	10/23/15 12:45	85-68-7	
Carbazole	<29.9	ug/kg	99.7	29.9	1	10/22/15 09:14	10/23/15 12:45	86-74-8	
4-Chloro-3-methylphenol	<59.5	ug/kg	198	59.5	1	10/22/15 09:14	10/23/15 12:45	59-50-7	
4-Chloroaniline	<31.4	ug/kg	105	31.4	1	10/22/15 09:14	10/23/15 12:45	106-47-8	
bis(2-Chloroethoxy)methane	<51.5	ug/kg	172	51.5	1	10/22/15 09:14	10/23/15 12:45	111-91-1	
bis(2-Chloroethyl) ether	<59.7	ug/kg	199	59.7	1	10/22/15 09:14	10/23/15 12:45	111-44-4	
2-Chloronaphthalene	<24.5	ug/kg	81.8	24.5	1	10/22/15 09:14	10/23/15 12:45	91-58-7	
2-Chlorophenol	<47.7	ug/kg	159	47.7	1	10/22/15 09:14	10/23/15 12:45	95-57-8	
4-Chlorophenylphenyl ether	<35.6	ug/kg	119	35.6	1	10/22/15 09:14	10/23/15 12:45	7005-72-3	
Chrysene	<28.6	ug/kg	95.2	28.6	1	10/22/15 09:14	10/23/15 12:45	218-01-9	
Dibenz(a,h)anthracene	<51.9	ug/kg	173	51.9	1	10/22/15 09:14	10/23/15 12:45	53-70-3	
Dibenzofuran	<23.1	ug/kg	77.1	23.1	1	10/22/15 09:14	10/23/15 12:45	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-11 (0-4)-101615 Lab ID: 40123074005 Collected: 10/16/15 09:20 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<60.1	ug/kg	200	60.1	1	10/22/15 09:14	10/23/15 12:45	95-50-1	
1,3-Dichlorobenzene	<26.5	ug/kg	88.2	26.5	1	10/22/15 09:14	10/23/15 12:45	541-73-1	
1,4-Dichlorobenzene	<26.6	ug/kg	88.7	26.6	1	10/22/15 09:14	10/23/15 12:45	106-46-7	
3,3'-Dichlorobenzidine	<51.8	ug/kg	173	51.8	1	10/22/15 09:14	10/23/15 12:45	91-94-1	
2,4-Dichlorophenol	<51.1	ug/kg	170	51.1	1	10/22/15 09:14	10/23/15 12:45	120-83-2	
Diethylphthalate	<31.7	ug/kg	106	31.7	1	10/22/15 09:14	10/23/15 12:45	84-66-2	
2,4-Dimethylphenol	<37.8	ug/kg	126	37.8	1	10/22/15 09:14	10/23/15 12:45	105-67-9	
Dimethylphthalate	<24.9	ug/kg	82.9	24.9	1	10/22/15 09:14	10/23/15 12:45	131-11-3	
Di-n-butylphthalate	<28.6	ug/kg	95.2	28.6	1	10/22/15 09:14	10/23/15 12:45	84-74-2	
4,6-Dinitro-2-methylphenol	<58.9	ug/kg	196	58.9	1	10/22/15 09:14	10/23/15 12:45	534-52-1	
2,4-Dinitrophenol	<58.2	ug/kg	194	58.2	1	10/22/15 09:14	10/23/15 12:45	51-28-5	
2,4-Dinitrotoluene	<27.3	ug/kg	91.1	27.3	1	10/22/15 09:14	10/23/15 12:45	121-14-2	
2,6-Dinitrotoluene	<36.3	ug/kg	121	36.3	1	10/22/15 09:14	10/23/15 12:45	606-20-2	
Di-n-octylphthalate	<43.0	ug/kg	143	43.0	1	10/22/15 09:14	10/23/15 12:45	117-84-0	
bis(2-Ethylhexyl)phthalate	<31.8	ug/kg	106	31.8	1	10/22/15 09:14	10/23/15 12:45	117-81-7	
Fluoranthene	<27.0	ug/kg	90.1	27.0	1	10/22/15 09:14	10/23/15 12:45	206-44-0	
Fluorene	<22.3	ug/kg	74.4	22.3	1	10/22/15 09:14	10/23/15 12:45	86-73-7	
Hexachloro-1,3-butadiene	<48.7	ug/kg	162	48.7	1	10/22/15 09:14	10/23/15 12:45	87-68-3	
Hexachlorobenzene	<32.1	ug/kg	107	32.1	1	10/22/15 09:14	10/23/15 12:45	118-74-1	
Hexachlorocyclopentadiene	<45.2	ug/kg	151	45.2	1	10/22/15 09:14	10/23/15 12:45	77-47-4	
Hexachloroethane	<30.6	ug/kg	102	30.6	1	10/22/15 09:14	10/23/15 12:45	67-72-1	
Indeno(1,2,3-cd)pyrene	<41.3	ug/kg	138	41.3	1	10/22/15 09:14	10/23/15 12:45	193-39-5	
Isophorone	<29.4	ug/kg	97.9	29.4	1	10/22/15 09:14	10/23/15 12:45	78-59-1	
2-Methylnaphthalene	<49.6	ug/kg	165	49.6	1	10/22/15 09:14	10/23/15 12:45	91-57-6	
2-Methylphenol(o-Cresol)	<34.7	ug/kg	116	34.7	1	10/22/15 09:14	10/23/15 12:45	95-48-7	
3&4-Methylphenol(m&p Cresol)	<35.0	ug/kg	117	35.0	1	10/22/15 09:14	10/23/15 12:45		
Naphthalene	<66.8	ug/kg	223	66.8	1	10/22/15 09:14	10/23/15 12:45	91-20-3	
2-Nitroaniline	<54.5	ug/kg	182	54.5	1	10/22/15 09:14	10/23/15 12:45	88-74-4	
3-Nitroaniline	<32.5	ug/kg	108	32.5	1	10/22/15 09:14	10/23/15 12:45	99-09-2	
4-Nitroaniline	<79.3	ug/kg	264	79.3	1	10/22/15 09:14	10/23/15 12:45	100-01-6	
Nitrobenzene	<38.8	ug/kg	129	38.8	1	10/22/15 09:14	10/23/15 12:45	98-95-3	
2-Nitrophenol	<60.3	ug/kg	201	60.3	1	10/22/15 09:14	10/23/15 12:45	88-75-5	
4-Nitrophenol	<48.1	ug/kg	160	48.1	1	10/22/15 09:14	10/23/15 12:45	100-02-7	
N-Nitroso-di-n-propylamine	<30.3	ug/kg	101	30.3	1	10/22/15 09:14	10/23/15 12:45	621-64-7	
N-Nitrosodiphenylamine	<259	ug/kg	864	259	1	10/22/15 09:14	10/23/15 12:45	86-30-6	
2,2'-Oxybis(1-chloropropane)	<49.3	ug/kg	164	49.3	1	10/22/15 09:14	10/23/15 12:45	108-60-1	
Pentachlorophenol	<42.1	ug/kg	140	42.1	1	10/22/15 09:14	10/23/15 12:45	87-86-5	
Phenanthrene	<24.5	ug/kg	81.7	24.5	1	10/22/15 09:14	10/23/15 12:45	85-01-8	
Phenol	<45.3	ug/kg	151	45.3	1	10/22/15 09:14	10/23/15 12:45	108-95-2	
Pyrene	<42.4	ug/kg	141	42.4	1	10/22/15 09:14	10/23/15 12:45	129-00-0	
1,2,4-Trichlorobenzene	<21.6	ug/kg	72.0	21.6	1	10/22/15 09:14	10/23/15 12:45	120-82-1	
2,4,5-Trichlorophenol	<33.8	ug/kg	113	33.8	1	10/22/15 09:14	10/23/15 12:45	95-95-4	
2,4,6-Trichlorophenol	<29.1	ug/kg	97.1	29.1	1	10/22/15 09:14	10/23/15 12:45	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	55	%	45-130		1	10/22/15 09:14	10/23/15 12:45	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-11 (0-4)-101615 Lab ID: 40123074005 Collected: 10/16/15 09:20 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	66	%	51-130		1	10/22/15 09:14	10/23/15 12:45	321-60-8	
Terphenyl-d14 (S)	72	%	37-134		1	10/22/15 09:14	10/23/15 12:45	1718-51-0	
Phenol-d6 (S)	62	%	36-130		1	10/22/15 09:14	10/23/15 12:45	13127-88-3	
2-Fluorophenol (S)	49	%	37-130		1	10/22/15 09:14	10/23/15 12:45	367-12-4	
2,4,6-Tribromophenol (S)	65	%	30-130		1	10/22/15 09:14	10/23/15 12:45	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.0	ug/kg	13.0	4.0	1	10/20/15 12:00	10/21/15 11:37	67-64-1	2q
Benzene	<1.0	ug/kg	3.2	1.0	1	10/20/15 12:00	10/21/15 11:37	71-43-2	
Bromodichloromethane	<0.71	ug/kg	3.2	0.71	1	10/20/15 12:00	10/21/15 11:37	75-27-4	
Bromoform	<0.55	ug/kg	3.2	0.55	1	10/20/15 12:00	10/21/15 11:37	75-25-2	
Bromomethane	<0.97	ug/kg	6.5	0.97	1	10/20/15 12:00	10/21/15 11:37	74-83-9	
2-Butanone (MEK)	<1.8	ug/kg	13.0	1.8	1	10/20/15 12:00	10/21/15 11:37	78-93-3	
Carbon disulfide	<0.84	ug/kg	3.2	0.84	1	10/20/15 12:00	10/21/15 11:37	75-15-0	
Carbon tetrachloride	<1.0	ug/kg	3.2	1.0	1	10/20/15 12:00	10/21/15 11:37	56-23-5	
Chlorobenzene	<1.0	ug/kg	3.2	1.0	1	10/20/15 12:00	10/21/15 11:37	108-90-7	
Chloroethane	<1.3	ug/kg	3.2	1.3	1	10/20/15 12:00	10/21/15 11:37	75-00-3	
Chloroform	<0.61	ug/kg	3.2	0.61	1	10/20/15 12:00	10/21/15 11:37	67-66-3	
Chloromethane	<0.36	ug/kg	3.2	0.36	1	10/20/15 12:00	10/21/15 11:37	74-87-3	
Dibromochloromethane	<1.1	ug/kg	3.2	1.1	1	10/20/15 12:00	10/21/15 11:37	124-48-1	
1,1-Dichloroethane	<1.5	ug/kg	3.2	1.5	1	10/20/15 12:00	10/21/15 11:37	75-34-3	
1,2-Dichloroethane	<0.64	ug/kg	3.2	0.64	1	10/20/15 12:00	10/21/15 11:37	107-06-2	
1,1-Dichloroethene	<1.5	ug/kg	3.2	1.5	1	10/20/15 12:00	10/21/15 11:37	75-35-4	
cis-1,2-Dichloroethene	<0.86	ug/kg	3.2	0.86	1	10/20/15 12:00	10/21/15 11:37	156-59-2	
trans-1,2-Dichloroethene	<0.80	ug/kg	3.2	0.80	1	10/20/15 12:00	10/21/15 11:37	156-60-5	
1,2-Dichloropropane	<0.82	ug/kg	3.2	0.82	1	10/20/15 12:00	10/21/15 11:37	78-87-5	
cis-1,3-Dichloropropene	<0.43	ug/kg	3.2	0.43	1	10/20/15 12:00	10/21/15 11:37	10061-01-5	
trans-1,3-Dichloropropene	<0.60	ug/kg	3.2	0.60	1	10/20/15 12:00	10/21/15 11:37	10061-02-6	
Ethylbenzene	<0.94	ug/kg	3.2	0.94	1	10/20/15 12:00	10/21/15 11:37	100-41-4	
2-Hexanone	<0.96	ug/kg	3.2	0.96	1	10/20/15 12:00	10/21/15 11:37	591-78-6	
Methylene Chloride	<1.2	ug/kg	3.2	1.2	1	10/20/15 12:00	10/21/15 11:37	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	<0.80	ug/kg	3.2	0.80	1	10/20/15 12:00	10/21/15 11:37	108-10-1	
Methyl-tert-butyl ether	<0.65	ug/kg	3.2	0.65	1	10/20/15 12:00	10/21/15 11:37	1634-04-4	
Styrene	<0.49	ug/kg	3.2	0.49	1	10/20/15 12:00	10/21/15 11:37	100-42-5	
1,1,2,2-Tetrachloroethane	<1.3	ug/kg	3.2	1.3	1	10/20/15 12:00	10/21/15 11:37	79-34-5	
Tetrachloroethene	<1.0	ug/kg	3.2	1.0	1	10/20/15 12:00	10/21/15 11:37	127-18-4	
Toluene	<0.96	ug/kg	3.2	0.96	1	10/20/15 12:00	10/21/15 11:37	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/kg	3.2	1.0	1	10/20/15 12:00	10/21/15 11:37	71-55-6	
1,1,2-Trichloroethane	<1.2	ug/kg	3.2	1.2	1	10/20/15 12:00	10/21/15 11:37	79-00-5	
Trichloroethene	<1.2	ug/kg	3.2	1.2	1	10/20/15 12:00	10/21/15 11:37	79-01-6	
Vinyl chloride	<0.35	ug/kg	3.2	0.35	1	10/20/15 12:00	10/21/15 11:37	75-01-4	
Xylene (Total)	<2.9	ug/kg	9.7	2.9	1	10/20/15 12:00	10/21/15 11:37	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	112	%	70-130		1	10/20/15 12:00	10/21/15 11:37	1868-53-7	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-11 (0-4)-101615 **Lab ID: 40123074005** Collected: 10/16/15 09:20 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	105	%	67-138		1	10/20/15 12:00	10/21/15 11:37	2037-26-5	
4-Bromofluorobenzene (S)	91	%	68-130		1	10/20/15 12:00	10/21/15 11:37	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	12.7	%	0.10	0.10	1		10/17/15 12:13		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	7.31	Std. Units	0.100	0.0100	1		10/23/15 12:35		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-10 (0-4)-101615 Lab ID: 40123074006 Collected: 10/16/15 09:50 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	1.1J	mg/kg	2.0	0.57	1	10/22/15 08:07	10/25/15 11:18	7440-36-0	
Arsenic	12.0	mg/kg	2.0	0.64	1	10/22/15 08:07	10/25/15 11:18	7440-38-2	
Barium	80.4	mg/kg	0.50	0.12	1	10/22/15 08:07	10/25/15 11:18	7440-39-3	
Beryllium	1.0	mg/kg	0.40	0.038	1	10/22/15 08:07	10/25/15 11:18	7440-41-7	
Cadmium	<0.067	mg/kg	0.50	0.067	1	10/22/15 08:07	10/25/15 11:18	7440-43-9	
Calcium	11500	mg/kg	101	2.8	1	10/22/15 08:07	10/25/15 11:18	7440-70-2	
Chromium	29.8	mg/kg	0.50	0.20	1	10/22/15 08:07	10/25/15 11:18	7440-47-3	
Cobalt	11.0	mg/kg	0.50	0.098	1	10/22/15 08:07	10/25/15 11:18	7440-48-4	
Copper	32.2	mg/kg	1.0	0.16	1	10/22/15 08:07	10/25/15 11:18	7440-50-8	
Iron	28600	mg/kg	10.1	1.7	1	10/22/15 08:07	10/25/15 11:18	7439-89-6	
Lead	17.6	mg/kg	1.0	0.43	1	10/22/15 08:07	10/25/15 11:18	7439-92-1	
Magnesium	10100	mg/kg	101	5.5	1	10/22/15 08:07	10/25/15 11:18	7439-95-4	
Manganese	552	mg/kg	0.50	0.051	1	10/22/15 08:07	10/25/15 11:18	7439-96-5	
Nickel	29.9	mg/kg	1.0	0.13	1	10/22/15 08:07	10/25/15 11:18	7440-02-0	
Potassium	3470	mg/kg	101	8.3	1	10/22/15 08:07	10/25/15 11:18	7440-09-7	
Selenium	<0.78	mg/kg	2.0	0.78	1	10/22/15 08:07	10/25/15 11:18	7782-49-2	
Silver	<0.28	mg/kg	1.0	0.28	1	10/22/15 08:07	10/25/15 11:18	7440-22-4	
Sodium	87.5J	mg/kg	101	3.9	1	10/22/15 08:07	10/25/15 11:18	7440-23-5	
Thallium	<0.83	mg/kg	4.0	0.83	1	10/22/15 08:07	10/25/15 11:18	7440-28-0	
Vanadium	60.0	mg/kg	1.0	0.21	1	10/22/15 08:07	10/25/15 11:18	7440-62-2	
Zinc	59.9	mg/kg	4.0	0.39	1	10/22/15 08:07	10/25/15 11:18	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/20/15 05:08

Arsenic	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:25	7440-38-2	
Barium	1.1	mg/L	0.50	0.25	1	10/20/15 13:22	10/23/15 20:25	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:25	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/20/15 13:22	10/23/15 20:25	7440-43-9	
Chromium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:25	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:25	7440-48-4	
Copper	0.025J	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:25	7440-50-8	
Iron	20.0	mg/L	0.50	0.25	1	10/20/15 13:22	10/23/15 20:25	7439-89-6	
Lead	0.0099	mg/L	0.0075	0.0038	1	10/20/15 13:22	10/23/15 20:25	7439-92-1	
Manganese	0.18	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:25	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:25	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:25	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:25	7440-22-4	
Zinc	0.36	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:25	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/20/15 05:06

Arsenic	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:07	7440-38-2	
Barium	0.37J	mg/L	0.50	0.25	1	10/20/15 13:53	10/25/15 13:07	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:07	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/20/15 13:53	10/25/15 13:07	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-10 (0-4)-101615 Lab ID: 40123074006 Collected: 10/16/15 09:50 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/20/15 05:06									
Chromium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:07	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:07	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:07	7440-50-8	
Iron	<0.25	mg/L	0.50	0.25	1	10/20/15 13:53	10/25/15 13:07	7439-89-6	
Lead	<0.0030	mg/L	0.0075	0.0030	1	10/20/15 13:53	10/25/15 13:07	7439-92-1	
Manganese	0.60	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:07	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:07	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:07	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:07	7440-22-4	
Zinc	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:07	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/20/15 05:08									
Mercury	<0.10	ug/L	0.20	0.10	1	10/21/15 10:25	10/22/15 13:12	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/20/15 05:06									
Mercury	<0.10	ug/L	0.20	0.10	1	10/21/15 10:25	10/22/15 14:03	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.024	mg/kg	0.0098	0.0026	1	10/27/15 09:11	10/28/15 09:20	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<67.1	ug/kg	224	67.1	1	10/22/15 09:14	10/23/15 13:18	83-32-9	
Acenaphthylene	<67.5	ug/kg	225	67.5	1	10/22/15 09:14	10/23/15 13:18	208-96-8	
Anthracene	<30.3	ug/kg	101	30.3	1	10/22/15 09:14	10/23/15 13:18	120-12-7	
Benzo(a)anthracene	<29.3	ug/kg	97.7	29.3	1	10/22/15 09:14	10/23/15 13:18	56-55-3	
Benzo(a)pyrene	<28.5	ug/kg	94.9	28.5	1	10/22/15 09:14	10/23/15 13:18	50-32-8	
Benzo(b)fluoranthene	<32.5	ug/kg	108	32.5	1	10/22/15 09:14	10/23/15 13:18	205-99-2	
Benzo(g,h,i)perylene	<49.5	ug/kg	165	49.5	1	10/22/15 09:14	10/23/15 13:18	191-24-2	
Benzo(k)fluoranthene	<45.3	ug/kg	151	45.3	1	10/22/15 09:14	10/23/15 13:18	207-08-9	
4-Bromophenylphenyl ether	<39.6	ug/kg	132	39.6	1	10/22/15 09:14	10/23/15 13:18	101-55-3	
Butylbenzylphthalate	<30.4	ug/kg	101	30.4	1	10/22/15 09:14	10/23/15 13:18	85-68-7	
Carbazole	<29.6	ug/kg	98.8	29.6	1	10/22/15 09:14	10/23/15 13:18	86-74-8	
4-Chloro-3-methylphenol	<58.9	ug/kg	196	58.9	1	10/22/15 09:14	10/23/15 13:18	59-50-7	
4-Chloroaniline	<31.1	ug/kg	104	31.1	1	10/22/15 09:14	10/23/15 13:18	106-47-8	
bis(2-Chloroethoxy)methane	<51.0	ug/kg	170	51.0	1	10/22/15 09:14	10/23/15 13:18	111-91-1	
bis(2-Chloroethyl) ether	<59.1	ug/kg	197	59.1	1	10/22/15 09:14	10/23/15 13:18	111-44-4	
2-Chloronaphthalene	<24.3	ug/kg	81.0	24.3	1	10/22/15 09:14	10/23/15 13:18	91-58-7	
2-Chlorophenol	<47.2	ug/kg	157	47.2	1	10/22/15 09:14	10/23/15 13:18	95-57-8	
4-Chlorophenylphenyl ether	<35.3	ug/kg	118	35.3	1	10/22/15 09:14	10/23/15 13:18	7005-72-3	
Chrysene	<28.3	ug/kg	94.3	28.3	1	10/22/15 09:14	10/23/15 13:18	218-01-9	
Dibenz(a,h)anthracene	<51.4	ug/kg	171	51.4	1	10/22/15 09:14	10/23/15 13:18	53-70-3	
Dibenzofuran	<22.9	ug/kg	76.4	22.9	1	10/22/15 09:14	10/23/15 13:18	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-10 (0-4)-101615 Lab ID: 40123074006 Collected: 10/16/15 09:50 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<59.5	ug/kg	198	59.5	1	10/22/15 09:14	10/23/15 13:18	95-50-1	
1,3-Dichlorobenzene	<26.2	ug/kg	87.4	26.2	1	10/22/15 09:14	10/23/15 13:18	541-73-1	
1,4-Dichlorobenzene	<26.4	ug/kg	87.9	26.4	1	10/22/15 09:14	10/23/15 13:18	106-46-7	
3,3'-Dichlorobenzidine	<51.4	ug/kg	171	51.4	1	10/22/15 09:14	10/23/15 13:18	91-94-1	
2,4-Dichlorophenol	<50.6	ug/kg	169	50.6	1	10/22/15 09:14	10/23/15 13:18	120-83-2	
Diethylphthalate	<31.4	ug/kg	105	31.4	1	10/22/15 09:14	10/23/15 13:18	84-66-2	
2,4-Dimethylphenol	<37.4	ug/kg	125	37.4	1	10/22/15 09:14	10/23/15 13:18	105-67-9	
Dimethylphthalate	<24.6	ug/kg	82.1	24.6	1	10/22/15 09:14	10/23/15 13:18	131-11-3	
Di-n-butylphthalate	<28.3	ug/kg	94.3	28.3	1	10/22/15 09:14	10/23/15 13:18	84-74-2	
4,6-Dinitro-2-methylphenol	<58.3	ug/kg	194	58.3	1	10/22/15 09:14	10/23/15 13:18	534-52-1	
2,4-Dinitrophenol	<57.7	ug/kg	192	57.7	1	10/22/15 09:14	10/23/15 13:18	51-28-5	
2,4-Dinitrotoluene	<27.1	ug/kg	90.2	27.1	1	10/22/15 09:14	10/23/15 13:18	121-14-2	
2,6-Dinitrotoluene	<35.9	ug/kg	120	35.9	1	10/22/15 09:14	10/23/15 13:18	606-20-2	
Di-n-octylphthalate	<42.6	ug/kg	142	42.6	1	10/22/15 09:14	10/23/15 13:18	117-84-0	
bis(2-Ethylhexyl)phthalate	<31.5	ug/kg	105	31.5	1	10/22/15 09:14	10/23/15 13:18	117-81-7	
Fluoranthene	<26.8	ug/kg	89.3	26.8	1	10/22/15 09:14	10/23/15 13:18	206-44-0	
Fluorene	<22.1	ug/kg	73.7	22.1	1	10/22/15 09:14	10/23/15 13:18	86-73-7	
Hexachloro-1,3-butadiene	<48.2	ug/kg	161	48.2	1	10/22/15 09:14	10/23/15 13:18	87-68-3	
Hexachlorobenzene	<31.8	ug/kg	106	31.8	1	10/22/15 09:14	10/23/15 13:18	118-74-1	
Hexachlorocyclopentadiene	<44.8	ug/kg	149	44.8	1	10/22/15 09:14	10/23/15 13:18	77-47-4	
Hexachloroethane	<30.3	ug/kg	101	30.3	1	10/22/15 09:14	10/23/15 13:18	67-72-1	
Indeno(1,2,3-cd)pyrene	<41.0	ug/kg	137	41.0	1	10/22/15 09:14	10/23/15 13:18	193-39-5	
Isophorone	<29.1	ug/kg	97.0	29.1	1	10/22/15 09:14	10/23/15 13:18	78-59-1	
2-Methylnaphthalene	<49.2	ug/kg	164	49.2	1	10/22/15 09:14	10/23/15 13:18	91-57-6	
2-Methylphenol(o-Cresol)	<34.4	ug/kg	115	34.4	1	10/22/15 09:14	10/23/15 13:18	95-48-7	
3&4-Methylphenol(m&p Cresol)	<34.7	ug/kg	116	34.7	1	10/22/15 09:14	10/23/15 13:18		
Naphthalene	<66.2	ug/kg	221	66.2	1	10/22/15 09:14	10/23/15 13:18	91-20-3	
2-Nitroaniline	<53.9	ug/kg	180	53.9	1	10/22/15 09:14	10/23/15 13:18	88-74-4	
3-Nitroaniline	<32.2	ug/kg	107	32.2	1	10/22/15 09:14	10/23/15 13:18	99-09-2	
4-Nitroaniline	<78.6	ug/kg	262	78.6	1	10/22/15 09:14	10/23/15 13:18	100-01-6	
Nitrobenzene	<38.4	ug/kg	128	38.4	1	10/22/15 09:14	10/23/15 13:18	98-95-3	
2-Nitrophenol	<59.7	ug/kg	199	59.7	1	10/22/15 09:14	10/23/15 13:18	88-75-5	
4-Nitrophenol	<47.7	ug/kg	159	47.7	1	10/22/15 09:14	10/23/15 13:18	100-02-7	
N-Nitroso-di-n-propylamine	<30.0	ug/kg	100	30.0	1	10/22/15 09:14	10/23/15 13:18	621-64-7	
N-Nitrosodiphenylamine	<257	ug/kg	856	257	1	10/22/15 09:14	10/23/15 13:18	86-30-6	
2,2'-Oxybis(1-chloropropane)	<48.8	ug/kg	163	48.8	1	10/22/15 09:14	10/23/15 13:18	108-60-1	
Pentachlorophenol	<41.7	ug/kg	139	41.7	1	10/22/15 09:14	10/23/15 13:18	87-86-5	
Phenanthrene	<24.3	ug/kg	80.9	24.3	1	10/22/15 09:14	10/23/15 13:18	85-01-8	
Phenol	<44.9	ug/kg	150	44.9	1	10/22/15 09:14	10/23/15 13:18	108-95-2	
Pyrene	<42.0	ug/kg	140	42.0	1	10/22/15 09:14	10/23/15 13:18	129-00-0	
1,2,4-Trichlorobenzene	<21.4	ug/kg	71.3	21.4	1	10/22/15 09:14	10/23/15 13:18	120-82-1	
2,4,5-Trichlorophenol	<33.4	ug/kg	111	33.4	1	10/22/15 09:14	10/23/15 13:18	95-95-4	
2,4,6-Trichlorophenol	<28.9	ug/kg	96.2	28.9	1	10/22/15 09:14	10/23/15 13:18	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	61	%	45-130		1	10/22/15 09:14	10/23/15 13:18	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-10 (0-4)-101615 **Lab ID: 40123074006** Collected: 10/16/15 09:50 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

2-Fluorobiphenyl (S)	70	%	51-130		1	10/22/15 09:14	10/23/15 13:18	321-60-8	
Terphenyl-d14 (S)	77	%	37-134		1	10/22/15 09:14	10/23/15 13:18	1718-51-0	
Phenol-d6 (S)	60	%	36-130		1	10/22/15 09:14	10/23/15 13:18	13127-88-3	
2-Fluorophenol (S)	50	%	37-130		1	10/22/15 09:14	10/23/15 13:18	367-12-4	
2,4,6-Tribromophenol (S)	60	%	30-130		1	10/22/15 09:14	10/23/15 13:18	118-79-6	

8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260

Acetone	<3.8	ug/kg	12.1	3.8	1	10/20/15 12:00	10/21/15 11:59	67-64-1	2q
Benzene	<0.97	ug/kg	3.0	0.97	1	10/20/15 12:00	10/21/15 11:59	71-43-2	
Bromodichloromethane	<0.66	ug/kg	3.0	0.66	1	10/20/15 12:00	10/21/15 11:59	75-27-4	
Bromoform	<0.51	ug/kg	3.0	0.51	1	10/20/15 12:00	10/21/15 11:59	75-25-2	
Bromomethane	<0.90	ug/kg	6.0	0.90	1	10/20/15 12:00	10/21/15 11:59	74-83-9	
2-Butanone (MEK)	<1.7	ug/kg	12.1	1.7	1	10/20/15 12:00	10/21/15 11:59	78-93-3	
Carbon disulfide	<0.78	ug/kg	3.0	0.78	1	10/20/15 12:00	10/21/15 11:59	75-15-0	
Carbon tetrachloride	<0.96	ug/kg	3.0	0.96	1	10/20/15 12:00	10/21/15 11:59	56-23-5	
Chlorobenzene	<0.96	ug/kg	3.0	0.96	1	10/20/15 12:00	10/21/15 11:59	108-90-7	
Chloroethane	<1.2	ug/kg	3.0	1.2	1	10/20/15 12:00	10/21/15 11:59	75-00-3	
Chloroform	<0.57	ug/kg	3.0	0.57	1	10/20/15 12:00	10/21/15 11:59	67-66-3	
Chloromethane	<0.34	ug/kg	3.0	0.34	1	10/20/15 12:00	10/21/15 11:59	74-87-3	
Dibromochloromethane	<1.0	ug/kg	3.0	1.0	1	10/20/15 12:00	10/21/15 11:59	124-48-1	
1,1-Dichloroethane	<1.4	ug/kg	3.0	1.4	1	10/20/15 12:00	10/21/15 11:59	75-34-3	
1,2-Dichloroethane	<0.59	ug/kg	3.0	0.59	1	10/20/15 12:00	10/21/15 11:59	107-06-2	
1,1-Dichloroethene	<1.4	ug/kg	3.0	1.4	1	10/20/15 12:00	10/21/15 11:59	75-35-4	
cis-1,2-Dichloroethene	<0.80	ug/kg	3.0	0.80	1	10/20/15 12:00	10/21/15 11:59	156-59-2	
trans-1,2-Dichloroethene	<0.75	ug/kg	3.0	0.75	1	10/20/15 12:00	10/21/15 11:59	156-60-5	
1,2-Dichloropropane	<0.76	ug/kg	3.0	0.76	1	10/20/15 12:00	10/21/15 11:59	78-87-5	
cis-1,3-Dichloropropene	<0.40	ug/kg	3.0	0.40	1	10/20/15 12:00	10/21/15 11:59	10061-01-5	
trans-1,3-Dichloropropene	<0.56	ug/kg	3.0	0.56	1	10/20/15 12:00	10/21/15 11:59	10061-02-6	
Ethylbenzene	<0.87	ug/kg	3.0	0.87	1	10/20/15 12:00	10/21/15 11:59	100-41-4	
2-Hexanone	<0.89	ug/kg	3.0	0.89	1	10/20/15 12:00	10/21/15 11:59	591-78-6	
Methylene Chloride	<1.1	ug/kg	3.0	1.1	1	10/20/15 12:00	10/21/15 11:59	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	<0.74	ug/kg	3.0	0.74	1	10/20/15 12:00	10/21/15 11:59	108-10-1	
Methyl-tert-butyl ether	<0.60	ug/kg	3.0	0.60	1	10/20/15 12:00	10/21/15 11:59	1634-04-4	
Styrene	<0.46	ug/kg	3.0	0.46	1	10/20/15 12:00	10/21/15 11:59	100-42-5	
1,1,2,2-Tetrachloroethane	<1.2	ug/kg	3.0	1.2	1	10/20/15 12:00	10/21/15 11:59	79-34-5	
Tetrachloroethene	<0.95	ug/kg	3.0	0.95	1	10/20/15 12:00	10/21/15 11:59	127-18-4	
Toluene	<0.90	ug/kg	3.0	0.90	1	10/20/15 12:00	10/21/15 11:59	108-88-3	
1,1,1-Trichloroethane	<0.93	ug/kg	3.0	0.93	1	10/20/15 12:00	10/21/15 11:59	71-55-6	
1,1,2-Trichloroethane	<1.2	ug/kg	3.0	1.2	1	10/20/15 12:00	10/21/15 11:59	79-00-5	
Trichloroethene	<1.2	ug/kg	3.0	1.2	1	10/20/15 12:00	10/21/15 11:59	79-01-6	
Vinyl chloride	<0.33	ug/kg	3.0	0.33	1	10/20/15 12:00	10/21/15 11:59	75-01-4	
Xylene (Total)	<2.7	ug/kg	9.0	2.7	1	10/20/15 12:00	10/21/15 11:59	1330-20-7	

Surrogates

Dibromofluoromethane (S)	110	%	70-130		1	10/20/15 12:00	10/21/15 11:59	1868-53-7	
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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-10 (0-4)-101615 **Lab ID: 40123074006** Collected: 10/16/15 09:50 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	105	%	67-138		1	10/20/15 12:00	10/21/15 11:59	2037-26-5	
4-Bromofluorobenzene (S)	95	%	68-130		1	10/20/15 12:00	10/21/15 11:59	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	11.8	%	0.10	0.10	1		10/17/15 12:13		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	7.09	Std. Units	0.100	0.0100	1		10/23/15 12:35		H6

Revised 11/05/15 16:35

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-9 (0-4)-101615 Lab ID: 40123074007 Collected: 10/16/15 10:30 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.74	mg/kg	2.6	0.74	1	10/22/15 08:07	10/24/15 11:18	7440-36-0	
Arsenic	8.8	mg/kg	2.6	0.83	1	10/22/15 08:07	10/24/15 11:18	7440-38-2	
Barium	44.0	mg/kg	0.65	0.16	1	10/22/15 08:07	10/24/15 11:18	7440-39-3	
Beryllium	0.56	mg/kg	0.52	0.049	1	10/22/15 08:07	10/24/15 11:18	7440-41-7	
Cadmium	<0.087	mg/kg	0.65	0.087	1	10/22/15 08:07	10/24/15 11:18	7440-43-9	
Calcium	44600	mg/kg	131	3.6	1	10/22/15 08:07	10/24/15 11:18	7440-70-2	
Chromium	17.3	mg/kg	0.65	0.25	1	10/22/15 08:07	10/24/15 11:18	7440-47-3	
Cobalt	8.2	mg/kg	0.65	0.13	1	10/22/15 08:07	10/24/15 11:18	7440-48-4	
Copper	19.0	mg/kg	1.3	0.20	1	10/22/15 08:07	10/24/15 11:18	7440-50-8	
Iron	18800	mg/kg	13.1	2.2	1	10/22/15 08:07	10/24/15 11:18	7439-89-6	
Lead	12.4	mg/kg	1.3	0.56	1	10/22/15 08:07	10/24/15 11:18	7439-92-1	
Magnesium	28400	mg/kg	131	7.1	1	10/22/15 08:07	10/24/15 11:18	7439-95-4	
Manganese	452	mg/kg	0.65	0.066	1	10/22/15 08:07	10/24/15 11:18	7439-96-5	
Nickel	18.7	mg/kg	1.3	0.17	1	10/22/15 08:07	10/24/15 11:18	7440-02-0	
Potassium	2450	mg/kg	131	10.7	1	10/22/15 08:07	10/24/15 11:18	7440-09-7	
Selenium	1.2J	mg/kg	2.6	1.0	1	10/22/15 08:07	10/24/15 11:18	7782-49-2	
Silver	<0.36	mg/kg	1.3	0.36	1	10/22/15 08:07	10/24/15 11:18	7440-22-4	
Sodium	96.1J	mg/kg	131	5.0	1	10/22/15 08:07	10/24/15 11:18	7440-23-5	
Thallium	<1.1	mg/kg	5.2	1.1	1	10/22/15 08:07	10/24/15 11:18	7440-28-0	
Vanadium	38.6	mg/kg	1.3	0.27	1	10/22/15 08:07	10/24/15 11:18	7440-62-2	
Zinc	40.6	mg/kg	5.2	0.50	1	10/22/15 08:07	10/24/15 11:18	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/20/15 05:08

Arsenic	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:27	7440-38-2	
Barium	1.2	mg/L	0.50	0.25	1	10/20/15 13:22	10/23/15 20:27	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:27	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/20/15 13:22	10/23/15 20:27	7440-43-9	
Chromium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:27	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:27	7440-48-4	
Copper	0.030J	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:27	7440-50-8	
Iron	25.4	mg/L	0.50	0.25	1	10/20/15 13:22	10/23/15 20:27	7439-89-6	
Lead	0.013	mg/L	0.0075	0.0038	1	10/20/15 13:22	10/23/15 20:27	7439-92-1	
Manganese	0.25	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:27	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:27	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:27	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:27	7440-22-4	
Zinc	0.53	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:27	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/20/15 05:06

Arsenic	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:10	7440-38-2	
Barium	0.27J	mg/L	0.50	0.25	1	10/20/15 13:53	10/25/15 13:10	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:10	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/20/15 13:53	10/25/15 13:10	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-9 (0-4)-101615 **Lab ID: 40123074007** Collected: 10/16/15 10:30 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/20/15 05:06									
Chromium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:10	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:10	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:10	7440-50-8	
Iron	<0.25	mg/L	0.50	0.25	1	10/20/15 13:53	10/25/15 13:10	7439-89-6	
Lead	<0.0030	mg/L	0.0075	0.0030	1	10/20/15 13:53	10/25/15 13:10	7439-92-1	
Manganese	0.48	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:10	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:10	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:10	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:10	7440-22-4	
Zinc	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:10	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/20/15 05:08									
Mercury	<0.10	ug/L	0.20	0.10	1	10/21/15 10:25	10/22/15 13:19	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/20/15 05:06									
Mercury	<0.10	ug/L	0.20	0.10	1	10/21/15 10:25	10/22/15 14:06	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.015	mg/kg	0.012	0.0032	1	10/27/15 09:11	10/28/15 09:22	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<83.9	ug/kg	280	83.9	1	10/22/15 09:14	10/23/15 16:34	83-32-9	
Acenaphthylene	<84.4	ug/kg	281	84.4	1	10/22/15 09:14	10/23/15 16:34	208-96-8	
Anthracene	<37.8	ug/kg	126	37.8	1	10/22/15 09:14	10/23/15 16:34	120-12-7	
Benzo(a)anthracene	<36.6	ug/kg	122	36.6	1	10/22/15 09:14	10/23/15 16:34	56-55-3	
Benzo(a)pyrene	<35.6	ug/kg	119	35.6	1	10/22/15 09:14	10/23/15 16:34	50-32-8	
Benzo(b)fluoranthene	<40.6	ug/kg	135	40.6	1	10/22/15 09:14	10/23/15 16:34	205-99-2	
Benzo(g,h,i)perylene	<61.9	ug/kg	206	61.9	1	10/22/15 09:14	10/23/15 16:34	191-24-2	
Benzo(k)fluoranthene	<56.6	ug/kg	189	56.6	1	10/22/15 09:14	10/23/15 16:34	207-08-9	
4-Bromophenylphenyl ether	<49.5	ug/kg	165	49.5	1	10/22/15 09:14	10/23/15 16:34	101-55-3	
Butylbenzylphthalate	<37.9	ug/kg	126	37.9	1	10/22/15 09:14	10/23/15 16:34	85-68-7	
Carbazole	<37.0	ug/kg	123	37.0	1	10/22/15 09:14	10/23/15 16:34	86-74-8	
4-Chloro-3-methylphenol	<73.6	ug/kg	245	73.6	1	10/22/15 09:14	10/23/15 16:34	59-50-7	
4-Chloroaniline	<38.9	ug/kg	130	38.9	1	10/22/15 09:14	10/23/15 16:34	106-47-8	
bis(2-Chloroethoxy)methane	<63.7	ug/kg	212	63.7	1	10/22/15 09:14	10/23/15 16:34	111-91-1	
bis(2-Chloroethyl) ether	<73.8	ug/kg	246	73.8	1	10/22/15 09:14	10/23/15 16:34	111-44-4	
2-Chloronaphthalene	<30.4	ug/kg	101	30.4	1	10/22/15 09:14	10/23/15 16:34	91-58-7	
2-Chlorophenol	<59.0	ug/kg	197	59.0	1	10/22/15 09:14	10/23/15 16:34	95-57-8	
4-Chlorophenylphenyl ether	<44.0	ug/kg	147	44.0	1	10/22/15 09:14	10/23/15 16:34	7005-72-3	
Chrysene	<35.4	ug/kg	118	35.4	1	10/22/15 09:14	10/23/15 16:34	218-01-9	
Dibenz(a,h)anthracene	<64.2	ug/kg	214	64.2	1	10/22/15 09:14	10/23/15 16:34	53-70-3	
Dibenzofuran	<28.6	ug/kg	95.4	28.6	1	10/22/15 09:14	10/23/15 16:34	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-9 (0-4)-101615 **Lab ID: 40123074007** Collected: 10/16/15 10:30 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<74.4	ug/kg	248	74.4	1	10/22/15 09:14	10/23/15 16:34	95-50-1	
1,3-Dichlorobenzene	<32.7	ug/kg	109	32.7	1	10/22/15 09:14	10/23/15 16:34	541-73-1	
1,4-Dichlorobenzene	<32.9	ug/kg	110	32.9	1	10/22/15 09:14	10/23/15 16:34	106-46-7	
3,3'-Dichlorobenzidine	<64.2	ug/kg	214	64.2	1	10/22/15 09:14	10/23/15 16:34	91-94-1	
2,4-Dichlorophenol	<63.2	ug/kg	211	63.2	1	10/22/15 09:14	10/23/15 16:34	120-83-2	
Diethylphthalate	<39.2	ug/kg	131	39.2	1	10/22/15 09:14	10/23/15 16:34	84-66-2	
2,4-Dimethylphenol	<46.8	ug/kg	156	46.8	1	10/22/15 09:14	10/23/15 16:34	105-67-9	
Dimethylphthalate	<30.8	ug/kg	103	30.8	1	10/22/15 09:14	10/23/15 16:34	131-11-3	
Di-n-butylphthalate	<35.3	ug/kg	118	35.3	1	10/22/15 09:14	10/23/15 16:34	84-74-2	
4,6-Dinitro-2-methylphenol	<72.9	ug/kg	243	72.9	1	10/22/15 09:14	10/23/15 16:34	534-52-1	
2,4-Dinitrophenol	<72.0	ug/kg	240	72.0	1	10/22/15 09:14	10/23/15 16:34	51-28-5	
2,4-Dinitrotoluene	<33.8	ug/kg	113	33.8	1	10/22/15 09:14	10/23/15 16:34	121-14-2	
2,6-Dinitrotoluene	<44.9	ug/kg	150	44.9	1	10/22/15 09:14	10/23/15 16:34	606-20-2	
Di-n-octylphthalate	<53.2	ug/kg	177	53.2	1	10/22/15 09:14	10/23/15 16:34	117-84-0	
bis(2-Ethylhexyl)phthalate	<39.3	ug/kg	131	39.3	1	10/22/15 09:14	10/23/15 16:34	117-81-7	
Fluoranthene	<33.5	ug/kg	112	33.5	1	10/22/15 09:14	10/23/15 16:34	206-44-0	
Fluorene	<27.6	ug/kg	92.1	27.6	1	10/22/15 09:14	10/23/15 16:34	86-73-7	
Hexachloro-1,3-butadiene	<60.2	ug/kg	201	60.2	1	10/22/15 09:14	10/23/15 16:34	87-68-3	
Hexachlorobenzene	<39.8	ug/kg	133	39.8	1	10/22/15 09:14	10/23/15 16:34	118-74-1	
Hexachlorocyclopentadiene	<56.0	ug/kg	187	56.0	1	10/22/15 09:14	10/23/15 16:34	77-47-4	
Hexachloroethane	<37.8	ug/kg	126	37.8	1	10/22/15 09:14	10/23/15 16:34	67-72-1	
Indeno(1,2,3-cd)pyrene	<51.2	ug/kg	171	51.2	1	10/22/15 09:14	10/23/15 16:34	193-39-5	
Isophorone	<36.4	ug/kg	121	36.4	1	10/22/15 09:14	10/23/15 16:34	78-59-1	
2-Methylnaphthalene	<61.4	ug/kg	205	61.4	1	10/22/15 09:14	10/23/15 16:34	91-57-6	
2-Methylphenol(o-Cresol)	<43.0	ug/kg	143	43.0	1	10/22/15 09:14	10/23/15 16:34	95-48-7	
3&4-Methylphenol(m&p Cresol)	<43.3	ug/kg	144	43.3	1	10/22/15 09:14	10/23/15 16:34		
Naphthalene	<82.7	ug/kg	276	82.7	1	10/22/15 09:14	10/23/15 16:34	91-20-3	
2-Nitroaniline	<67.4	ug/kg	225	67.4	1	10/22/15 09:14	10/23/15 16:34	88-74-4	
3-Nitroaniline	<40.2	ug/kg	134	40.2	1	10/22/15 09:14	10/23/15 16:34	99-09-2	
4-Nitroaniline	<98.2	ug/kg	327	98.2	1	10/22/15 09:14	10/23/15 16:34	100-01-6	
Nitrobenzene	<48.0	ug/kg	160	48.0	1	10/22/15 09:14	10/23/15 16:34	98-95-3	
2-Nitrophenol	<74.6	ug/kg	249	74.6	1	10/22/15 09:14	10/23/15 16:34	88-75-5	
4-Nitrophenol	<59.6	ug/kg	199	59.6	1	10/22/15 09:14	10/23/15 16:34	100-02-7	
N-Nitroso-di-n-propylamine	<37.5	ug/kg	125	37.5	1	10/22/15 09:14	10/23/15 16:34	621-64-7	
N-Nitrosodiphenylamine	<321	ug/kg	1070	321	1	10/22/15 09:14	10/23/15 16:34	86-30-6	
2,2'-Oxybis(1-chloropropane)	<61.0	ug/kg	203	61.0	1	10/22/15 09:14	10/23/15 16:34	108-60-1	
Pentachlorophenol	<52.1	ug/kg	174	52.1	1	10/22/15 09:14	10/23/15 16:34	87-86-5	
Phenanthrene	<30.3	ug/kg	101	30.3	1	10/22/15 09:14	10/23/15 16:34	85-01-8	
Phenol	<56.1	ug/kg	187	56.1	1	10/22/15 09:14	10/23/15 16:34	108-95-2	
Pyrene	<52.4	ug/kg	175	52.4	1	10/22/15 09:14	10/23/15 16:34	129-00-0	
1,2,4-Trichlorobenzene	<26.7	ug/kg	89.1	26.7	1	10/22/15 09:14	10/23/15 16:34	120-82-1	
2,4,5-Trichlorophenol	<41.8	ug/kg	139	41.8	1	10/22/15 09:14	10/23/15 16:34	95-95-4	
2,4,6-Trichlorophenol	<36.1	ug/kg	120	36.1	1	10/22/15 09:14	10/23/15 16:34	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	58	%	45-130		1	10/22/15 09:14	10/23/15 16:34	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-9 (0-4)-101615 Lab ID: 40123074007 Collected: 10/16/15 10:30 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	73	%	51-130		1	10/22/15 09:14	10/23/15 16:34	321-60-8	
Terphenyl-d14 (S)	87	%	37-134		1	10/22/15 09:14	10/23/15 16:34	1718-51-0	
Phenol-d6 (S)	71	%	36-130		1	10/22/15 09:14	10/23/15 16:34	13127-88-3	
2-Fluorophenol (S)	53	%	37-130		1	10/22/15 09:14	10/23/15 16:34	367-12-4	
2,4,6-Tribromophenol (S)	73	%	30-130		1	10/22/15 09:14	10/23/15 16:34	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.9	ug/kg	15.8	4.9	1	10/20/15 12:00	10/21/15 12:22	67-64-1	2q
Benzene	<1.3	ug/kg	4.0	1.3	1	10/20/15 12:00	10/21/15 12:22	71-43-2	
Bromodichloromethane	<0.87	ug/kg	4.0	0.87	1	10/20/15 12:00	10/21/15 12:22	75-27-4	
Bromoform	<0.67	ug/kg	4.0	0.67	1	10/20/15 12:00	10/21/15 12:22	75-25-2	
Bromomethane	<1.2	ug/kg	7.9	1.2	1	10/20/15 12:00	10/21/15 12:22	74-83-9	
2-Butanone (MEK)	<2.2	ug/kg	15.8	2.2	1	10/20/15 12:00	10/21/15 12:22	78-93-3	
Carbon disulfide	<1.0	ug/kg	4.0	1.0	1	10/20/15 12:00	10/21/15 12:22	75-15-0	
Carbon tetrachloride	<1.3	ug/kg	4.0	1.3	1	10/20/15 12:00	10/21/15 12:22	56-23-5	
Chlorobenzene	<1.3	ug/kg	4.0	1.3	1	10/20/15 12:00	10/21/15 12:22	108-90-7	
Chloroethane	<1.6	ug/kg	4.0	1.6	1	10/20/15 12:00	10/21/15 12:22	75-00-3	
Chloroform	<0.75	ug/kg	4.0	0.75	1	10/20/15 12:00	10/21/15 12:22	67-66-3	
Chloromethane	<0.44	ug/kg	4.0	0.44	1	10/20/15 12:00	10/21/15 12:22	74-87-3	
Dibromochloromethane	<1.4	ug/kg	4.0	1.4	1	10/20/15 12:00	10/21/15 12:22	124-48-1	
1,1-Dichloroethane	<1.9	ug/kg	4.0	1.9	1	10/20/15 12:00	10/21/15 12:22	75-34-3	
1,2-Dichloroethane	<0.78	ug/kg	4.0	0.78	1	10/20/15 12:00	10/21/15 12:22	107-06-2	
1,1-Dichloroethene	<1.8	ug/kg	4.0	1.8	1	10/20/15 12:00	10/21/15 12:22	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/kg	4.0	1.0	1	10/20/15 12:00	10/21/15 12:22	156-59-2	
trans-1,2-Dichloroethene	<0.98	ug/kg	4.0	0.98	1	10/20/15 12:00	10/21/15 12:22	156-60-5	
1,2-Dichloropropane	<1.0	ug/kg	4.0	1.0	1	10/20/15 12:00	10/21/15 12:22	78-87-5	
cis-1,3-Dichloropropene	<0.53	ug/kg	4.0	0.53	1	10/20/15 12:00	10/21/15 12:22	10061-01-5	
trans-1,3-Dichloropropene	<0.73	ug/kg	4.0	0.73	1	10/20/15 12:00	10/21/15 12:22	10061-02-6	
Ethylbenzene	<1.1	ug/kg	4.0	1.1	1	10/20/15 12:00	10/21/15 12:22	100-41-4	
2-Hexanone	<1.2	ug/kg	4.0	1.2	1	10/20/15 12:00	10/21/15 12:22	591-78-6	
Methylene Chloride	<1.5	ug/kg	4.0	1.5	1	10/20/15 12:00	10/21/15 12:22	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	<0.97	ug/kg	4.0	0.97	1	10/20/15 12:00	10/21/15 12:22	108-10-1	
Methyl-tert-butyl ether	<0.79	ug/kg	4.0	0.79	1	10/20/15 12:00	10/21/15 12:22	1634-04-4	
Styrene	<0.60	ug/kg	4.0	0.60	1	10/20/15 12:00	10/21/15 12:22	100-42-5	
1,1,2,2-Tetrachloroethane	<1.6	ug/kg	4.0	1.6	1	10/20/15 12:00	10/21/15 12:22	79-34-5	
Tetrachloroethene	<1.2	ug/kg	4.0	1.2	1	10/20/15 12:00	10/21/15 12:22	127-18-4	
Toluene	1.7J	ug/kg	4.0	1.2	1	10/20/15 12:00	10/21/15 12:22	108-88-3	
1,1,1-Trichloroethane	<1.2	ug/kg	4.0	1.2	1	10/20/15 12:00	10/21/15 12:22	71-55-6	
1,1,2-Trichloroethane	<1.5	ug/kg	4.0	1.5	1	10/20/15 12:00	10/21/15 12:22	79-00-5	
Trichloroethene	<1.5	ug/kg	4.0	1.5	1	10/20/15 12:00	10/21/15 12:22	79-01-6	
Vinyl chloride	<0.43	ug/kg	4.0	0.43	1	10/20/15 12:00	10/21/15 12:22	75-01-4	
Xylene (Total)	<3.5	ug/kg	11.9	3.5	1	10/20/15 12:00	10/21/15 12:22	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	115	%	70-130		1	10/20/15 12:00	10/21/15 12:22	1868-53-7	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-9 (0-4)-101615 **Lab ID: 40123074007** Collected: 10/16/15 10:30 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	103	%	67-138		1	10/20/15 12:00	10/21/15 12:22	2037-26-5	
4-Bromofluorobenzene (S)	93	%	68-130		1	10/20/15 12:00	10/21/15 12:22	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	29.4	%	0.10	0.10	1		10/17/15 12:13		
9040 pH	Analytical Method: EPA 9040								
pH	7.3	Std. Units	0.10	0.010	1		10/23/15 11:25		3q,H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-8 (0-5)-101615 Lab ID: 40123074008 Collected: 10/16/15 10:45 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.60	mg/kg	2.1	0.60	1	10/22/15 08:07	10/24/15 11:20	7440-36-0	
Arsenic	8.8	mg/kg	2.1	0.68	1	10/22/15 08:07	10/24/15 11:20	7440-38-2	
Barium	65.1	mg/kg	0.53	0.13	1	10/22/15 08:07	10/24/15 11:20	7440-39-3	
Beryllium	0.74	mg/kg	0.43	0.040	1	10/22/15 08:07	10/24/15 11:20	7440-41-7	
Cadmium	<0.071	mg/kg	0.53	0.071	1	10/22/15 08:07	10/24/15 11:20	7440-43-9	
Calcium	15100	mg/kg	107	2.9	1	10/22/15 08:07	10/24/15 11:20	7440-70-2	
Chromium	21.0	mg/kg	0.53	0.21	1	10/22/15 08:07	10/24/15 11:20	7440-47-3	
Cobalt	10.0	mg/kg	0.53	0.10	1	10/22/15 08:07	10/24/15 11:20	7440-48-4	
Copper	21.3	mg/kg	1.1	0.17	1	10/22/15 08:07	10/24/15 11:20	7440-50-8	
Iron	20700	mg/kg	10.7	1.8	1	10/22/15 08:07	10/24/15 11:20	7439-89-6	
Lead	14.1	mg/kg	1.1	0.46	1	10/22/15 08:07	10/24/15 11:20	7439-92-1	
Magnesium	11100	mg/kg	107	5.8	1	10/22/15 08:07	10/24/15 11:20	7439-95-4	
Manganese	528	mg/kg	0.53	0.054	1	10/22/15 08:07	10/24/15 11:20	7439-96-5	
Nickel	22.5	mg/kg	1.1	0.14	1	10/22/15 08:07	10/24/15 11:20	7440-02-0	
Potassium	2490	mg/kg	107	8.8	1	10/22/15 08:07	10/24/15 11:20	7440-09-7	
Selenium	<0.82	mg/kg	2.1	0.82	1	10/22/15 08:07	10/24/15 11:20	7782-49-2	
Silver	<0.30	mg/kg	1.1	0.30	1	10/22/15 08:07	10/24/15 11:20	7440-22-4	
Sodium	54.3J	mg/kg	107	4.1	1	10/22/15 08:07	10/24/15 11:20	7440-23-5	
Thallium	<0.87	mg/kg	4.3	0.87	1	10/22/15 08:07	10/24/15 11:20	7440-28-0	
Vanadium	41.4	mg/kg	1.1	0.22	1	10/22/15 08:07	10/24/15 11:20	7440-62-2	
Zinc	44.6	mg/kg	4.3	0.41	1	10/22/15 08:07	10/24/15 11:20	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/20/15 05:08

Arsenic	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:29	7440-38-2	
Barium	1.1	mg/L	0.50	0.25	1	10/20/15 13:22	10/23/15 20:29	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:29	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/20/15 13:22	10/23/15 20:29	7440-43-9	
Chromium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:29	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:29	7440-48-4	
Copper	0.026J	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:29	7440-50-8	
Iron	14.7	mg/L	0.50	0.25	1	10/20/15 13:22	10/23/15 20:29	7439-89-6	
Lead	0.0068J	mg/L	0.0075	0.0038	1	10/20/15 13:22	10/23/15 20:29	7439-92-1	
Manganese	0.15	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:29	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:29	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:29	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:29	7440-22-4	
Zinc	0.37	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:29	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/20/15 05:06

Arsenic	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:13	7440-38-2	
Barium	0.38J	mg/L	0.50	0.25	1	10/20/15 13:53	10/25/15 13:13	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:13	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/20/15 13:53	10/25/15 13:13	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-8 (0-5)-101615 **Lab ID:** 40123074008 Collected: 10/16/15 10:45 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/20/15 05:06									
Chromium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:13	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:13	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:13	7440-50-8	
Iron	<0.25	mg/L	0.50	0.25	1	10/20/15 13:53	10/25/15 13:13	7439-89-6	
Lead	<0.0030	mg/L	0.0075	0.0030	1	10/20/15 13:53	10/25/15 13:13	7439-92-1	
Manganese	0.17	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:13	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:13	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:13	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:13	7440-22-4	
Zinc	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:13	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/20/15 05:08									
Mercury	<0.10	ug/L	0.20	0.10	1	10/21/15 10:25	10/22/15 13:22	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/20/15 05:06									
Mercury	<0.10	ug/L	0.20	0.10	1	10/21/15 10:25	10/22/15 14:08	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.014	mg/kg	0.011	0.0028	1	10/27/15 09:11	10/28/15 09:25	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<67.2	ug/kg	224	67.2	1	10/22/15 09:14	10/23/15 13:50	83-32-9	
Acenaphthylene	<67.6	ug/kg	225	67.6	1	10/22/15 09:14	10/23/15 13:50	208-96-8	
Anthracene	<30.3	ug/kg	101	30.3	1	10/22/15 09:14	10/23/15 13:50	120-12-7	
Benzo(a)anthracene	<29.4	ug/kg	97.9	29.4	1	10/22/15 09:14	10/23/15 13:50	56-55-3	
Benzo(a)pyrene	<28.5	ug/kg	95.1	28.5	1	10/22/15 09:14	10/23/15 13:50	50-32-8	
Benzo(b)fluoranthene	<32.6	ug/kg	109	32.6	1	10/22/15 09:14	10/23/15 13:50	205-99-2	
Benzo(g,h,i)perylene	<49.6	ug/kg	165	49.6	1	10/22/15 09:14	10/23/15 13:50	191-24-2	
Benzo(k)fluoranthene	<45.4	ug/kg	151	45.4	1	10/22/15 09:14	10/23/15 13:50	207-08-9	
4-Bromophenylphenyl ether	<39.7	ug/kg	132	39.7	1	10/22/15 09:14	10/23/15 13:50	101-55-3	
Butylbenzylphthalate	<30.4	ug/kg	101	30.4	1	10/22/15 09:14	10/23/15 13:50	85-68-7	
Carbazole	<29.7	ug/kg	99.0	29.7	1	10/22/15 09:14	10/23/15 13:50	86-74-8	
4-Chloro-3-methylphenol	<59.0	ug/kg	197	59.0	1	10/22/15 09:14	10/23/15 13:50	59-50-7	
4-Chloroaniline	<31.2	ug/kg	104	31.2	1	10/22/15 09:14	10/23/15 13:50	106-47-8	
bis(2-Chloroethoxy)methane	<51.1	ug/kg	170	51.1	1	10/22/15 09:14	10/23/15 13:50	111-91-1	
bis(2-Chloroethyl) ether	<59.2	ug/kg	197	59.2	1	10/22/15 09:14	10/23/15 13:50	111-44-4	
2-Chloronaphthalene	<24.3	ug/kg	81.1	24.3	1	10/22/15 09:14	10/23/15 13:50	91-58-7	
2-Chlorophenol	<47.3	ug/kg	158	47.3	1	10/22/15 09:14	10/23/15 13:50	95-57-8	
4-Chlorophenylphenyl ether	<35.3	ug/kg	118	35.3	1	10/22/15 09:14	10/23/15 13:50	7005-72-3	
Chrysene	<28.3	ug/kg	94.5	28.3	1	10/22/15 09:14	10/23/15 13:50	218-01-9	
Dibenz(a,h)anthracene	<51.5	ug/kg	172	51.5	1	10/22/15 09:14	10/23/15 13:50	53-70-3	
Dibenzofuran	<23.0	ug/kg	76.5	23.0	1	10/22/15 09:14	10/23/15 13:50	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-8 (0-5)-101615 **Lab ID: 40123074008** Collected: 10/16/15 10:45 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<59.6	ug/kg	199	59.6	1	10/22/15 09:14	10/23/15 13:50	95-50-1	
1,3-Dichlorobenzene	<26.3	ug/kg	87.5	26.3	1	10/22/15 09:14	10/23/15 13:50	541-73-1	
1,4-Dichlorobenzene	<26.4	ug/kg	88.0	26.4	1	10/22/15 09:14	10/23/15 13:50	106-46-7	
3,3'-Dichlorobenzidine	<51.4	ug/kg	171	51.4	1	10/22/15 09:14	10/23/15 13:50	91-94-1	
2,4-Dichlorophenol	<50.7	ug/kg	169	50.7	1	10/22/15 09:14	10/23/15 13:50	120-83-2	
Diethylphthalate	<31.4	ug/kg	105	31.4	1	10/22/15 09:14	10/23/15 13:50	84-66-2	
2,4-Dimethylphenol	<37.5	ug/kg	125	37.5	1	10/22/15 09:14	10/23/15 13:50	105-67-9	
Dimethylphthalate	<24.7	ug/kg	82.2	24.7	1	10/22/15 09:14	10/23/15 13:50	131-11-3	
Di-n-butylphthalate	<28.3	ug/kg	94.5	28.3	1	10/22/15 09:14	10/23/15 13:50	84-74-2	
4,6-Dinitro-2-methylphenol	<58.4	ug/kg	195	58.4	1	10/22/15 09:14	10/23/15 13:50	534-52-1	
2,4-Dinitrophenol	<57.8	ug/kg	193	57.8	1	10/22/15 09:14	10/23/15 13:50	51-28-5	
2,4-Dinitrotoluene	<27.1	ug/kg	90.4	27.1	1	10/22/15 09:14	10/23/15 13:50	121-14-2	
2,6-Dinitrotoluene	<36.0	ug/kg	120	36.0	1	10/22/15 09:14	10/23/15 13:50	606-20-2	
Di-n-octylphthalate	<42.6	ug/kg	142	42.6	1	10/22/15 09:14	10/23/15 13:50	117-84-0	
bis(2-Ethylhexyl)phthalate	<31.5	ug/kg	105	31.5	1	10/22/15 09:14	10/23/15 13:50	117-81-7	
Fluoranthene	<26.8	ug/kg	89.4	26.8	1	10/22/15 09:14	10/23/15 13:50	206-44-0	
Fluorene	<22.2	ug/kg	73.9	22.2	1	10/22/15 09:14	10/23/15 13:50	86-73-7	
Hexachloro-1,3-butadiene	<48.3	ug/kg	161	48.3	1	10/22/15 09:14	10/23/15 13:50	87-68-3	
Hexachlorobenzene	<31.9	ug/kg	106	31.9	1	10/22/15 09:14	10/23/15 13:50	118-74-1	
Hexachlorocyclopentadiene	<44.9	ug/kg	150	44.9	1	10/22/15 09:14	10/23/15 13:50	77-47-4	
Hexachloroethane	<30.3	ug/kg	101	30.3	1	10/22/15 09:14	10/23/15 13:50	67-72-1	
Indeno(1,2,3-cd)pyrene	<41.0	ug/kg	137	41.0	1	10/22/15 09:14	10/23/15 13:50	193-39-5	
Isophorone	<29.1	ug/kg	97.2	29.1	1	10/22/15 09:14	10/23/15 13:50	78-59-1	
2-Methylnaphthalene	<49.2	ug/kg	164	49.2	1	10/22/15 09:14	10/23/15 13:50	91-57-6	
2-Methylphenol(o-Cresol)	<34.4	ug/kg	115	34.4	1	10/22/15 09:14	10/23/15 13:50	95-48-7	
3&4-Methylphenol(m&p Cresol)	<34.7	ug/kg	116	34.7	1	10/22/15 09:14	10/23/15 13:50		
Naphthalene	<66.3	ug/kg	221	66.3	1	10/22/15 09:14	10/23/15 13:50	91-20-3	
2-Nitroaniline	<54.0	ug/kg	180	54.0	1	10/22/15 09:14	10/23/15 13:50	88-74-4	
3-Nitroaniline	<32.2	ug/kg	107	32.2	1	10/22/15 09:14	10/23/15 13:50	99-09-2	
4-Nitroaniline	<78.7	ug/kg	262	78.7	1	10/22/15 09:14	10/23/15 13:50	100-01-6	
Nitrobenzene	<38.4	ug/kg	128	38.4	1	10/22/15 09:14	10/23/15 13:50	98-95-3	
2-Nitrophenol	<59.8	ug/kg	199	59.8	1	10/22/15 09:14	10/23/15 13:50	88-75-5	
4-Nitrophenol	<47.7	ug/kg	159	47.7	1	10/22/15 09:14	10/23/15 13:50	100-02-7	
N-Nitroso-di-n-propylamine	<30.1	ug/kg	100	30.1	1	10/22/15 09:14	10/23/15 13:50	621-64-7	
N-Nitrosodiphenylamine	<257	ug/kg	858	257	1	10/22/15 09:14	10/23/15 13:50	86-30-6	
2,2'-Oxybis(1-chloropropane)	<48.9	ug/kg	163	48.9	1	10/22/15 09:14	10/23/15 13:50	108-60-1	
Pentachlorophenol	<41.8	ug/kg	139	41.8	1	10/22/15 09:14	10/23/15 13:50	87-86-5	
Phenanthrene	<24.3	ug/kg	81.1	24.3	1	10/22/15 09:14	10/23/15 13:50	85-01-8	
Phenol	<45.0	ug/kg	150	45.0	1	10/22/15 09:14	10/23/15 13:50	108-95-2	
Pyrene	<42.0	ug/kg	140	42.0	1	10/22/15 09:14	10/23/15 13:50	129-00-0	
1,2,4-Trichlorobenzene	<21.4	ug/kg	71.4	21.4	1	10/22/15 09:14	10/23/15 13:50	120-82-1	
2,4,5-Trichlorophenol	<33.5	ug/kg	112	33.5	1	10/22/15 09:14	10/23/15 13:50	95-95-4	
2,4,6-Trichlorophenol	<28.9	ug/kg	96.4	28.9	1	10/22/15 09:14	10/23/15 13:50	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	56	%	45-130		1	10/22/15 09:14	10/23/15 13:50	4165-60-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-8 (0-5)-101615 **Lab ID: 40123074008** Collected: 10/16/15 10:45 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	70	%	51-130		1	10/22/15 09:14	10/23/15 13:50	321-60-8	
Terphenyl-d14 (S)	80	%	37-134		1	10/22/15 09:14	10/23/15 13:50	1718-51-0	
Phenol-d6 (S)	67	%	36-130		1	10/22/15 09:14	10/23/15 13:50	13127-88-3	
2-Fluorophenol (S)	54	%	37-130		1	10/22/15 09:14	10/23/15 13:50	367-12-4	
2,4,6-Tribromophenol (S)	65	%	30-130		1	10/22/15 09:14	10/23/15 13:50	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<3.6	ug/kg	11.4	3.6	1	10/20/15 12:00	10/21/15 12:44	67-64-1	2q
Benzene	<0.92	ug/kg	2.9	0.92	1	10/20/15 12:00	10/21/15 12:44	71-43-2	
Bromodichloromethane	<0.62	ug/kg	2.9	0.62	1	10/20/15 12:00	10/21/15 12:44	75-27-4	
Bromoform	<0.48	ug/kg	2.9	0.48	1	10/20/15 12:00	10/21/15 12:44	75-25-2	
Bromomethane	<0.85	ug/kg	5.7	0.85	1	10/20/15 12:00	10/21/15 12:44	74-83-9	
2-Butanone (MEK)	<1.6	ug/kg	11.4	1.6	1	10/20/15 12:00	10/21/15 12:44	78-93-3	
Carbon disulfide	<0.74	ug/kg	2.9	0.74	1	10/20/15 12:00	10/21/15 12:44	75-15-0	
Carbon tetrachloride	<0.91	ug/kg	2.9	0.91	1	10/20/15 12:00	10/21/15 12:44	56-23-5	
Chlorobenzene	<0.90	ug/kg	2.9	0.90	1	10/20/15 12:00	10/21/15 12:44	108-90-7	
Chloroethane	<1.1	ug/kg	2.9	1.1	1	10/20/15 12:00	10/21/15 12:44	75-00-3	
Chloroform	<0.54	ug/kg	2.9	0.54	1	10/20/15 12:00	10/21/15 12:44	67-66-3	
Chloromethane	<0.32	ug/kg	2.9	0.32	1	10/20/15 12:00	10/21/15 12:44	74-87-3	
Dibromochloromethane	<0.97	ug/kg	2.9	0.97	1	10/20/15 12:00	10/21/15 12:44	124-48-1	
1,1-Dichloroethane	<1.4	ug/kg	2.9	1.4	1	10/20/15 12:00	10/21/15 12:44	75-34-3	
1,2-Dichloroethane	<0.56	ug/kg	2.9	0.56	1	10/20/15 12:00	10/21/15 12:44	107-06-2	
1,1-Dichloroethene	<1.3	ug/kg	2.9	1.3	1	10/20/15 12:00	10/21/15 12:44	75-35-4	
cis-1,2-Dichloroethene	<0.76	ug/kg	2.9	0.76	1	10/20/15 12:00	10/21/15 12:44	156-59-2	
trans-1,2-Dichloroethene	<0.71	ug/kg	2.9	0.71	1	10/20/15 12:00	10/21/15 12:44	156-60-5	
1,2-Dichloropropane	<0.72	ug/kg	2.9	0.72	1	10/20/15 12:00	10/21/15 12:44	78-87-5	
cis-1,3-Dichloropropene	<0.38	ug/kg	2.9	0.38	1	10/20/15 12:00	10/21/15 12:44	10061-01-5	
trans-1,3-Dichloropropene	<0.53	ug/kg	2.9	0.53	1	10/20/15 12:00	10/21/15 12:44	10061-02-6	
Ethylbenzene	<0.82	ug/kg	2.9	0.82	1	10/20/15 12:00	10/21/15 12:44	100-41-4	
2-Hexanone	<0.84	ug/kg	2.9	0.84	1	10/20/15 12:00	10/21/15 12:44	591-78-6	
Methylene Chloride	<1.1	ug/kg	2.9	1.1	1	10/20/15 12:00	10/21/15 12:44	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	<0.70	ug/kg	2.9	0.70	1	10/20/15 12:00	10/21/15 12:44	108-10-1	
Methyl-tert-butyl ether	<0.57	ug/kg	2.9	0.57	1	10/20/15 12:00	10/21/15 12:44	1634-04-4	
Styrene	<0.43	ug/kg	2.9	0.43	1	10/20/15 12:00	10/21/15 12:44	100-42-5	
1,1,2,2-Tetrachloroethane	<1.2	ug/kg	2.9	1.2	1	10/20/15 12:00	10/21/15 12:44	79-34-5	
Tetrachloroethene	<0.90	ug/kg	2.9	0.90	1	10/20/15 12:00	10/21/15 12:44	127-18-4	
Toluene	<0.85	ug/kg	2.9	0.85	1	10/20/15 12:00	10/21/15 12:44	108-88-3	
1,1,1-Trichloroethane	<0.88	ug/kg	2.9	0.88	1	10/20/15 12:00	10/21/15 12:44	71-55-6	
1,1,2-Trichloroethane	<1.1	ug/kg	2.9	1.1	1	10/20/15 12:00	10/21/15 12:44	79-00-5	
Trichloroethene	<1.1	ug/kg	2.9	1.1	1	10/20/15 12:00	10/21/15 12:44	79-01-6	
Vinyl chloride	<0.31	ug/kg	2.9	0.31	1	10/20/15 12:00	10/21/15 12:44	75-01-4	
Xylene (Total)	<2.6	ug/kg	8.6	2.6	1	10/20/15 12:00	10/21/15 12:44	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	118	%	70-130		1	10/20/15 12:00	10/21/15 12:44	1868-53-7	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-8 (0-5)-101615 **Lab ID: 40123074008** Collected: 10/16/15 10:45 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	103	%	67-138		1	10/20/15 12:00	10/21/15 12:44	2037-26-5	
4-Bromofluorobenzene (S)	95	%	68-130		1	10/20/15 12:00	10/21/15 12:44	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	12.0	%	0.10	0.10	1		10/17/15 12:13		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	7.73	Std. Units	0.100	0.0100	1		10/23/15 12:35		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-8 (5-9)-101615 Lab ID: 40123074009 Collected: 10/16/15 10:50 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<2.8	mg/kg	9.7	2.8	5	10/22/15 08:07	10/25/15 11:20	7440-36-0	D3
Arsenic	5.7J	mg/kg	9.7	3.1	5	10/22/15 08:07	10/25/15 11:20	7440-38-2	D3
Barium	10.8	mg/kg	2.4	0.58	5	10/22/15 08:07	10/25/15 11:20	7440-39-3	
Beryllium	<0.18	mg/kg	1.9	0.18	5	10/22/15 08:07	10/25/15 11:20	7440-41-7	D3
Cadmium	<0.32	mg/kg	2.4	0.32	5	10/22/15 08:07	10/25/15 11:20	7440-43-9	D3
Calcium	156000	mg/kg	485	13.3	5	10/22/15 08:07	10/25/15 11:20	7440-70-2	
Chromium	7.8	mg/kg	2.4	0.94	5	10/22/15 08:07	10/25/15 11:20	7440-47-3	
Cobalt	2.1J	mg/kg	2.4	0.47	5	10/22/15 08:07	10/25/15 11:20	7440-48-4	D3
Copper	9.5	mg/kg	4.9	0.76	5	10/22/15 08:07	10/25/15 11:20	7440-50-8	
Iron	7680	mg/kg	48.5	8.2	5	10/22/15 08:07	10/25/15 11:20	7439-89-6	
Lead	4.9	mg/kg	4.9	2.1	5	10/22/15 08:07	10/25/15 11:20	7439-92-1	
Magnesium	82600	mg/kg	485	26.3	5	10/22/15 08:07	10/25/15 11:20	7439-95-4	
Manganese	496	mg/kg	2.4	0.25	5	10/22/15 08:07	10/25/15 11:20	7439-96-5	
Nickel	6.2	mg/kg	4.9	0.63	5	10/22/15 08:07	10/25/15 11:20	7440-02-0	
Potassium	1060	mg/kg	485	39.9	5	10/22/15 08:07	10/25/15 11:20	7440-09-7	
Selenium	<3.7	mg/kg	9.7	3.7	5	10/22/15 08:07	10/25/15 11:20	7782-49-2	D3
Silver	<1.4	mg/kg	4.9	1.4	5	10/22/15 08:07	10/25/15 11:20	7440-22-4	D3
Sodium	141J	mg/kg	485	18.7	5	10/22/15 08:07	10/25/15 11:20	7440-23-5	D3
Thallium	<4.0	mg/kg	19.4	4.0	5	10/22/15 08:07	10/25/15 11:20	7440-28-0	D3
Vanadium	10	mg/kg	4.9	0.99	5	10/22/15 08:07	10/25/15 11:20	7440-62-2	
Zinc	13.8J	mg/kg	19.4	1.9	5	10/22/15 08:07	10/25/15 11:20	7440-66-6	D3

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/20/15 05:08

Arsenic	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:38	7440-38-2	
Barium	<0.25	mg/L	0.50	0.25	1	10/20/15 13:22	10/26/15 16:38	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:38	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/20/15 13:22	10/26/15 16:38	7440-43-9	
Chromium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:38	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:38	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:38	7440-50-8	
Iron	<0.25	mg/L	0.50	0.25	1	10/20/15 13:22	10/26/15 16:38	7439-89-6	
Lead	<0.0038	mg/L	0.0075	0.0038	1	10/20/15 13:22	10/26/15 16:38	7439-92-1	
Manganese	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:38	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:38	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:38	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:38	7440-22-4	
Zinc	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/26/15 16:38	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/20/15 05:06

Arsenic	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:15	7440-38-2	
Barium	<0.25	mg/L	0.50	0.25	1	10/20/15 13:53	10/25/15 13:15	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:15	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/20/15 13:53	10/25/15 13:15	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-8 (5-9)-101615 **Lab ID: 40123074009** Collected: 10/16/15 10:50 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/20/15 05:06									
Chromium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:15	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:15	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:15	7440-50-8	
Iron	<0.25	mg/L	0.50	0.25	1	10/20/15 13:53	10/25/15 13:15	7439-89-6	
Lead	<0.0030	mg/L	0.0075	0.0030	1	10/20/15 13:53	10/25/15 13:15	7439-92-1	
Manganese	1.2	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:15	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:15	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:15	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:15	7440-22-4	
Zinc	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:15	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/20/15 05:08									
Mercury	<0.10	ug/L	0.20	0.10	1	10/21/15 10:25	10/22/15 13:24	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/20/15 05:06									
Mercury	<0.10	ug/L	0.20	0.10	1	10/21/15 10:25	10/22/15 14:15	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.011	mg/kg	0.0096	0.0026	1	10/27/15 09:11	10/28/15 09:32	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<61.8	ug/kg	206	61.8	1	10/22/15 09:14	10/23/15 14:23	83-32-9	
Acenaphthylene	<62.2	ug/kg	207	62.2	1	10/22/15 09:14	10/23/15 14:23	208-96-8	
Anthracene	<27.9	ug/kg	92.9	27.9	1	10/22/15 09:14	10/23/15 14:23	120-12-7	
Benzo(a)anthracene	<27.0	ug/kg	90.0	27.0	1	10/22/15 09:14	10/23/15 14:23	56-55-3	
Benzo(a)pyrene	<26.2	ug/kg	87.5	26.2	1	10/22/15 09:14	10/23/15 14:23	50-32-8	
Benzo(b)fluoranthene	<30.0	ug/kg	99.9	30.0	1	10/22/15 09:14	10/23/15 14:23	205-99-2	
Benzo(g,h,i)perylene	<45.6	ug/kg	152	45.6	1	10/22/15 09:14	10/23/15 14:23	191-24-2	
Benzo(k)fluoranthene	<41.7	ug/kg	139	41.7	1	10/22/15 09:14	10/23/15 14:23	207-08-9	
4-Bromophenylphenyl ether	<36.5	ug/kg	122	36.5	1	10/22/15 09:14	10/23/15 14:23	101-55-3	
Butylbenzylphthalate	<28.0	ug/kg	93.2	28.0	1	10/22/15 09:14	10/23/15 14:23	85-68-7	
Carbazole	<27.3	ug/kg	91.0	27.3	1	10/22/15 09:14	10/23/15 14:23	86-74-8	
4-Chloro-3-methylphenol	<54.3	ug/kg	181	54.3	1	10/22/15 09:14	10/23/15 14:23	59-50-7	
4-Chloroaniline	<28.7	ug/kg	95.5	28.7	1	10/22/15 09:14	10/23/15 14:23	106-47-8	
bis(2-Chloroethoxy)methane	<47.0	ug/kg	157	47.0	1	10/22/15 09:14	10/23/15 14:23	111-91-1	
bis(2-Chloroethyl) ether	<54.4	ug/kg	181	54.4	1	10/22/15 09:14	10/23/15 14:23	111-44-4	
2-Chloronaphthalene	<22.4	ug/kg	74.6	22.4	1	10/22/15 09:14	10/23/15 14:23	91-58-7	
2-Chlorophenol	<43.5	ug/kg	145	43.5	1	10/22/15 09:14	10/23/15 14:23	95-57-8	
4-Chlorophenylphenyl ether	<32.5	ug/kg	108	32.5	1	10/22/15 09:14	10/23/15 14:23	7005-72-3	
Chrysene	<26.1	ug/kg	86.9	26.1	1	10/22/15 09:14	10/23/15 14:23	218-01-9	
Dibenz(a,h)anthracene	<47.4	ug/kg	158	47.4	1	10/22/15 09:14	10/23/15 14:23	53-70-3	
Dibenzofuran	<21.1	ug/kg	70.4	21.1	1	10/22/15 09:14	10/23/15 14:23	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-8 (5-9)-101615 **Lab ID: 40123074009** Collected: 10/16/15 10:50 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<54.8	ug/kg	183	54.8	1	10/22/15 09:14	10/23/15 14:23	95-50-1	
1,3-Dichlorobenzene	<24.1	ug/kg	80.5	24.1	1	10/22/15 09:14	10/23/15 14:23	541-73-1	
1,4-Dichlorobenzene	<24.3	ug/kg	81.0	24.3	1	10/22/15 09:14	10/23/15 14:23	106-46-7	
3,3'-Dichlorobenzidine	<47.3	ug/kg	158	47.3	1	10/22/15 09:14	10/23/15 14:23	91-94-1	
2,4-Dichlorophenol	<46.6	ug/kg	155	46.6	1	10/22/15 09:14	10/23/15 14:23	120-83-2	
Diethylphthalate	<28.9	ug/kg	96.4	28.9	1	10/22/15 09:14	10/23/15 14:23	84-66-2	
2,4-Dimethylphenol	<34.5	ug/kg	115	34.5	1	10/22/15 09:14	10/23/15 14:23	105-67-9	
Dimethylphthalate	<22.7	ug/kg	75.6	22.7	1	10/22/15 09:14	10/23/15 14:23	131-11-3	
Di-n-butylphthalate	<26.1	ug/kg	86.9	26.1	1	10/22/15 09:14	10/23/15 14:23	84-74-2	
4,6-Dinitro-2-methylphenol	<53.7	ug/kg	179	53.7	1	10/22/15 09:14	10/23/15 14:23	534-52-1	
2,4-Dinitrophenol	<53.1	ug/kg	177	53.1	1	10/22/15 09:14	10/23/15 14:23	51-28-5	
2,4-Dinitrotoluene	<24.9	ug/kg	83.1	24.9	1	10/22/15 09:14	10/23/15 14:23	121-14-2	
2,6-Dinitrotoluene	<33.1	ug/kg	110	33.1	1	10/22/15 09:14	10/23/15 14:23	606-20-2	
Di-n-octylphthalate	<39.2	ug/kg	131	39.2	1	10/22/15 09:14	10/23/15 14:23	117-84-0	
bis(2-Ethylhexyl)phthalate	<29.0	ug/kg	96.6	29.0	1	10/22/15 09:14	10/23/15 14:23	117-81-7	
Fluoranthene	<24.7	ug/kg	82.2	24.7	1	10/22/15 09:14	10/23/15 14:23	206-44-0	
Fluorene	<20.4	ug/kg	67.9	20.4	1	10/22/15 09:14	10/23/15 14:23	86-73-7	
Hexachloro-1,3-butadiene	<44.4	ug/kg	148	44.4	1	10/22/15 09:14	10/23/15 14:23	87-68-3	
Hexachlorobenzene	<29.3	ug/kg	97.8	29.3	1	10/22/15 09:14	10/23/15 14:23	118-74-1	
Hexachlorocyclopentadiene	<41.3	ug/kg	138	41.3	1	10/22/15 09:14	10/23/15 14:23	77-47-4	
Hexachloroethane	<27.9	ug/kg	93.0	27.9	1	10/22/15 09:14	10/23/15 14:23	67-72-1	
Indeno(1,2,3-cd)pyrene	<37.7	ug/kg	126	37.7	1	10/22/15 09:14	10/23/15 14:23	193-39-5	
Isophorone	<26.8	ug/kg	89.3	26.8	1	10/22/15 09:14	10/23/15 14:23	78-59-1	
2-Methylnaphthalene	<45.3	ug/kg	151	45.3	1	10/22/15 09:14	10/23/15 14:23	91-57-6	
2-Methylphenol(o-Cresol)	<31.7	ug/kg	106	31.7	1	10/22/15 09:14	10/23/15 14:23	95-48-7	
3&4-Methylphenol(m&p Cresol)	<32.0	ug/kg	107	32.0	1	10/22/15 09:14	10/23/15 14:23		
Naphthalene	<61.0	ug/kg	203	61.0	1	10/22/15 09:14	10/23/15 14:23	91-20-3	
2-Nitroaniline	<49.7	ug/kg	166	49.7	1	10/22/15 09:14	10/23/15 14:23	88-74-4	
3-Nitroaniline	<29.7	ug/kg	98.8	29.7	1	10/22/15 09:14	10/23/15 14:23	99-09-2	
4-Nitroaniline	<72.4	ug/kg	241	72.4	1	10/22/15 09:14	10/23/15 14:23	100-01-6	
Nitrobenzene	<35.4	ug/kg	118	35.4	1	10/22/15 09:14	10/23/15 14:23	98-95-3	
2-Nitrophenol	<55.0	ug/kg	183	55.0	1	10/22/15 09:14	10/23/15 14:23	88-75-5	
4-Nitrophenol	<43.9	ug/kg	146	43.9	1	10/22/15 09:14	10/23/15 14:23	100-02-7	
N-Nitroso-di-n-propylamine	<27.7	ug/kg	92.2	27.7	1	10/22/15 09:14	10/23/15 14:23	621-64-7	
N-Nitrosodiphenylamine	<237	ug/kg	789	237	1	10/22/15 09:14	10/23/15 14:23	86-30-6	
2,2'-Oxybis(1-chloropropane)	<45.0	ug/kg	150	45.0	1	10/22/15 09:14	10/23/15 14:23	108-60-1	
Pentachlorophenol	<38.4	ug/kg	128	38.4	1	10/22/15 09:14	10/23/15 14:23	87-86-5	
Phenanthrene	<22.4	ug/kg	74.6	22.4	1	10/22/15 09:14	10/23/15 14:23	85-01-8	
Phenol	<41.4	ug/kg	138	41.4	1	10/22/15 09:14	10/23/15 14:23	108-95-2	
Pyrene	<38.6	ug/kg	129	38.6	1	10/22/15 09:14	10/23/15 14:23	129-00-0	
1,2,4-Trichlorobenzene	<19.7	ug/kg	65.7	19.7	1	10/22/15 09:14	10/23/15 14:23	120-82-1	
2,4,5-Trichlorophenol	<30.8	ug/kg	103	30.8	1	10/22/15 09:14	10/23/15 14:23	95-95-4	
2,4,6-Trichlorophenol	<26.6	ug/kg	88.6	26.6	1	10/22/15 09:14	10/23/15 14:23	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	43	%	45-130		1	10/22/15 09:14	10/23/15 14:23	4165-60-0	S0

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-8 (5-9)-101615 **Lab ID: 40123074009** Collected: 10/16/15 10:50 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	57	%	51-130		1	10/22/15 09:14	10/23/15 14:23	321-60-8	
Terphenyl-d14 (S)	73	%	37-134		1	10/22/15 09:14	10/23/15 14:23	1718-51-0	
Phenol-d6 (S)	53	%	36-130		1	10/22/15 09:14	10/23/15 14:23	13127-88-3	
2-Fluorophenol (S)	39	%	37-130		1	10/22/15 09:14	10/23/15 14:23	367-12-4	
2,4,6-Tribromophenol (S)	54	%	30-130		1	10/22/15 09:14	10/23/15 14:23	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	5.4J	ug/kg	14.2	4.4	1	10/20/15 12:00	10/21/15 13:07	67-64-1	1q
Benzene	<1.1	ug/kg	3.6	1.1	1	10/20/15 12:00	10/21/15 13:07	71-43-2	
Bromodichloromethane	<0.78	ug/kg	3.6	0.78	1	10/20/15 12:00	10/21/15 13:07	75-27-4	
Bromoform	<0.60	ug/kg	3.6	0.60	1	10/20/15 12:00	10/21/15 13:07	75-25-2	
Bromomethane	<1.1	ug/kg	7.1	1.1	1	10/20/15 12:00	10/21/15 13:07	74-83-9	
2-Butanone (MEK)	<2.0	ug/kg	14.2	2.0	1	10/20/15 12:00	10/21/15 13:07	78-93-3	
Carbon disulfide	<0.92	ug/kg	3.6	0.92	1	10/20/15 12:00	10/21/15 13:07	75-15-0	
Carbon tetrachloride	<1.1	ug/kg	3.6	1.1	1	10/20/15 12:00	10/21/15 13:07	56-23-5	
Chlorobenzene	<1.1	ug/kg	3.6	1.1	1	10/20/15 12:00	10/21/15 13:07	108-90-7	
Chloroethane	<1.4	ug/kg	3.6	1.4	1	10/20/15 12:00	10/21/15 13:07	75-00-3	
Chloroform	<0.67	ug/kg	3.6	0.67	1	10/20/15 12:00	10/21/15 13:07	67-66-3	
Chloromethane	<0.40	ug/kg	3.6	0.40	1	10/20/15 12:00	10/21/15 13:07	74-87-3	
Dibromochloromethane	<1.2	ug/kg	3.6	1.2	1	10/20/15 12:00	10/21/15 13:07	124-48-1	
1,1-Dichloroethane	<1.7	ug/kg	3.6	1.7	1	10/20/15 12:00	10/21/15 13:07	75-34-3	
1,2-Dichloroethane	<0.70	ug/kg	3.6	0.70	1	10/20/15 12:00	10/21/15 13:07	107-06-2	
1,1-Dichloroethene	<1.6	ug/kg	3.6	1.6	1	10/20/15 12:00	10/21/15 13:07	75-35-4	
cis-1,2-Dichloroethene	<0.94	ug/kg	3.6	0.94	1	10/20/15 12:00	10/21/15 13:07	156-59-2	
trans-1,2-Dichloroethene	<0.88	ug/kg	3.6	0.88	1	10/20/15 12:00	10/21/15 13:07	156-60-5	
1,2-Dichloropropane	<0.90	ug/kg	3.6	0.90	1	10/20/15 12:00	10/21/15 13:07	78-87-5	
cis-1,3-Dichloropropene	<0.47	ug/kg	3.6	0.47	1	10/20/15 12:00	10/21/15 13:07	10061-01-5	
trans-1,3-Dichloropropene	<0.66	ug/kg	3.6	0.66	1	10/20/15 12:00	10/21/15 13:07	10061-02-6	
Ethylbenzene	<1.0	ug/kg	3.6	1.0	1	10/20/15 12:00	10/21/15 13:07	100-41-4	
2-Hexanone	<1.1	ug/kg	3.6	1.1	1	10/20/15 12:00	10/21/15 13:07	591-78-6	
Methylene Chloride	<1.3	ug/kg	3.6	1.3	1	10/20/15 12:00	10/21/15 13:07	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	<0.87	ug/kg	3.6	0.87	1	10/20/15 12:00	10/21/15 13:07	108-10-1	
Methyl-tert-butyl ether	<0.71	ug/kg	3.6	0.71	1	10/20/15 12:00	10/21/15 13:07	1634-04-4	
Styrene	<0.54	ug/kg	3.6	0.54	1	10/20/15 12:00	10/21/15 13:07	100-42-5	
1,1,2,2-Tetrachloroethane	<1.5	ug/kg	3.6	1.5	1	10/20/15 12:00	10/21/15 13:07	79-34-5	
Tetrachloroethene	<1.1	ug/kg	3.6	1.1	1	10/20/15 12:00	10/21/15 13:07	127-18-4	
Toluene	<1.1	ug/kg	3.6	1.1	1	10/20/15 12:00	10/21/15 13:07	108-88-3	
1,1,1-Trichloroethane	<1.1	ug/kg	3.6	1.1	1	10/20/15 12:00	10/21/15 13:07	71-55-6	
1,1,2-Trichloroethane	<1.4	ug/kg	3.6	1.4	1	10/20/15 12:00	10/21/15 13:07	79-00-5	
Trichloroethene	<1.4	ug/kg	3.6	1.4	1	10/20/15 12:00	10/21/15 13:07	79-01-6	
Vinyl chloride	<0.39	ug/kg	3.6	0.39	1	10/20/15 12:00	10/21/15 13:07	75-01-4	
Xylene (Total)	<3.2	ug/kg	10.7	3.2	1	10/20/15 12:00	10/21/15 13:07	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	112	%	70-130		1	10/20/15 12:00	10/21/15 13:07	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL1-8 (5-9)-101615 **Lab ID: 40123074009** Collected: 10/16/15 10:50 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	106	%	67-138		1	10/20/15 12:00	10/21/15 13:07	2037-26-5	
4-Bromofluorobenzene (S)	92	%	68-130		1	10/20/15 12:00	10/21/15 13:07	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	4.3	%	0.10	0.10	1		10/17/15 12:13		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	8.03	Std. Units	0.100	0.0100	1		10/23/15 12:35		H6

Revised 11/05/15 16:33

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: **EDI**

Branch/Location: **Patricia/Colin**

Project Contact: **312-345-1400**

Phone: **0295.020**

Project Number: **FATS**

Project Name: **IL**

Project State: **Colin Fenner**

Sampled By (Print):

Sampled By (Sign):

PO #: **Regulatory Program:**

Data Package Options (initials)

EPA Level III

EPA Level IV

On your sample (billable)

NOT needed on your sample

Matrix Codes

A = Air
B = Biot
C = Charcoal
O = Oil
S = Soil
SI = Sludge

W = Water
DW = Drinking Water
GW = Ground Water
SW = Surface Water
WW = Waste Water
WP = Wipe

PAGE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	AL1-14(6-6)-101615	10/11/15	0835	Soil
002	AL1-14(6-6)-101615D		0840	
003	AL1-13(6-4)-101615		0855	
004	AL1-12(6-4)-101615		0900	
005	AL1-11(6-4)-101615		0920	
006	AL1-10(6-4)-101615		0930	
007	AL1-9(6-4)-101615		1030	
008	AL1-8(6-5)-101615		1045	
009	AL1-8(5-9)-101615		1050	
010	AL2-3(6-6)-101615		1155	
011	AL2-2(6-6)-101615		1215	
012	AL2-1(6-6)-101615		1230	

CHAIN OF CUSTODY

www.pacelabs.com

Preservation Codes: A=None, B=HCL, C=H2SO4, D=HNO3, E=DI Water, F=Methanol, G=NaOH, H=Sodium Bisulfate Solution, I=Sodium Thiosulfate, J=Other

CHAIN OF CUSTODY

FILTERED? (YES/NO)

PRESERVATION (CODE)*

Y/N	Pick Letter	Analyses Requested
X		VOCs
X		SVOCs
X		Total Metals
X		TCLP Metals
X		SPRP Metals
X		PH

Relinquished By: *[Signature]* Date/Time: 10/11/15 1308

Relinquished By: *[Signature]* Date/Time: 10/17/15 0750

Relinquished By: *[Signature]* Date/Time: 10/17/15 0750

Relinquished By: *[Signature]* Date/Time: 10/17/15 0750

Quote #:

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS

3-40mlv EEF

LAB COMMENTS (Lab Use Only)

3-4030g #

Received By: *[Signature]* Date/Time: 10/16/15 1318

Received By: *[Signature]* Date/Time: 10/17/15 0750

Received By: *[Signature]* Date/Time: 10/17/15 0750

Received By: *[Signature]* Date/Time: 10/17/15 0750

Receipt Temp = 1 °C

Sample Receipt pH OK / Adjusted

Cooler System Seal Present / Not Present Intact / Not Intact



Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Project #:

WO#: 40123074

Client Name: EDT



Courier: Fed Ex UPS Client Pace Other: CS Logistics

Tracking #:

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SE-56 Type of Ice: Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 1 / Corr: 1 Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Person examining contents:
Date: 10/17/15
Initials: JS

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>AOil pH</u> <u>10/17/15</u>
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>004 time 0910 on all samples</u>
-Includes date/time/ID/Analysis Matrix: <u>S</u>		<u>10/17/15</u>
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed
		Lab Std #ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature]

Date: 10/19/15



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAI 55: Interstate Route 55 at US Route 6 Office Phone Number, if available: _____

Physical Site Location (address, including number and street):
23000 block of Thomas Dillon Drive (ISGS Site No. 693V-6)

City: Channahon State: IL Zip Code: _____

County: Will Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.459971751 Longitude: -88.195556267
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

EPA Site Number(s), if assigned: _____ BOL: _____ BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner
Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box: _____
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4101
Contact: Sam Mead
Email, if available: Sam.Mead@illinois.gov

Site Operator
Name: Illinois Department of Transportation
Street Address: 201 West Center Court
PO Box: _____
City: Schaumburg State: IL
Zip Code: 60196-1096 Phone: 847-705-4101
Contact: Sam Mead
Email, if available: Sam.Mead@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAI 55: Interstate Route 55 at US Route 6

Latitude: 41.459971751 Longitude: -88.195556267

Uncontaminated Site Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

- a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a):

LOCATION AB-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 693V-6. SEE FIGURE 3-6 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

- b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

PACE ANALYTICAL REPORT - JOB ID: 40122890
ALSO SEE FIGURE 4-6 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, William F. Karlovitz, P.E. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Weston Solutions, Inc.
 Street Address: 300 Circle Plaza, Suite 202
 City: Mundelein State: IL Zip Code: 60060
 Phone: (224) 864-7200

William F. Karlovitz, P.E.

Printed Name:

William F. Karlovitz
 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

19 Dec. 2015

Date:



P.E. or L.P.G. Seal:

Summary Table of ISGS Site No. 693V-6
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	AB-1 (0-7)-101415	Soil Reference Concentrations^A
Sample Date	10/14/2015	
Location ID	AB-1	
Depth	0 - 7	
Lab Sample ID	40122890023	
Location Code	693V-6	
Parameter		
Laboratory pH	8.09 J	<6.25, >9.0
VOCs (ug/kg)		
Acetone	ND	25000
Methyl ethyl ketone	ND	---
Toluene	ND	12000
SVOCs (ug/kg)		
Benzo(a)pyrene	ND	90 / 1300 / 2100
Total Metals (mg/kg)		
Arsenic, Total	10.2	11.3 / 13.0
Barium, Total	36.7	1500
Beryllium, Total	0.54	22
Cadmium, Total	ND	5.2
Calcium, Total	48300	---
Chromium, Total	15.6	21
Cobalt, Total	6.9	20
Copper, Total	19.1	2900
Iron, Total	17600	15000 / 15900
Lead, Total	10.6	107
Magnesium, Total	29800	325000
Manganese, Total	263	630 / 636
Mercury, Total	0.026 J	0.89
Nickel, Total	16.4	100
Potassium, Total	1500	---
Selenium, Total	ND	1.3
Sodium, Total	603	---
Thallium, Total	1.2	2.6
Vanadium, Total	32.1	550
Zinc, Total	32	5100
TCLP Metals (mg/l)		
Arsenic, TCLP	ND	0.05
Barium, TCLP	ND	2
Beryllium, TCLP	ND	0.004
Cadmium, TCLP	ND	0.005
Chromium, TCLP	ND	0.1
Cobalt, TCLP	ND	1
Copper, TCLP	0.0056 J	0.65
Iron, TCLP	ND	5
Lead, TCLP	ND	0.0075
Manganese, TCLP	0.13	0.15
Mercury, TCLP	ND	0.002
Nickel, TCLP	ND	0.1
Selenium, TCLP	ND	0.05
Silver, TCLP	ND	0.05
Zinc, TCLP	ND	5
SPLP Metals (mg/l)		
Arsenic, SPLP	0.046	0.05
Barium, SPLP	0.44 J	2
Beryllium, SPLP	ND	0.004
Cadmium, SPLP	0.00066 J	0.005
Chromium, SPLP	0.092	0.1
Cobalt, SPLP	0.025	1
Copper, SPLP	0.1	0.65
Iron, SPLP	96.1	5
Lead, SPLP	0.05	0.0075
Manganese, SPLP	0.75	0.15
Mercury, SPLP	ND	0.002
Nickel, SPLP	0.086	0.1
Selenium, SPLP	ND	0.05
Silver, SPLP	ND	0.05
Zinc, SPLP	0.2	5

Summary Table of ISGS Site No. 693V-6
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Notes:

--- - not applicable or value not available.

^A - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.


B - Constituent detected in the blank and investigative sample.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

J+ - Estimated concentration, biased high.

 Shaded values indicate concentration **exceeds** Reference Concentration.

November 05, 2015

Patricia Feeley, P.G.
Environmental Design International Inc.
33 West Monroe Street
Suite 1825
Chicago, IL 606035326

RE: Project: 0295.020 FAI 55
Pace Project No.: 40122890

Dear Patricia Feeley, P.G.:

Enclosed are the analytical results for sample(s) received by the laboratory on October 15, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Brian Basten for
Laurie Woelfel
laurie.woelfel@pacelabs.com
Project Manager

Enclosures

cc: Andrew Dorn, Environmental Design
Colin Pannier, Environmental Design



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0295.020 FAI 55
Pace Project No.: 40122890

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

New Orleans Certification IDs

California Env. Lab Accreditation Program Branch:
11277CA
Florida Department of Health (NELAC): E87595
Illinois Environmental Protection Agency: 0025721
Kansas Department of Health and Environment (NELAC):
E-10266
Louisiana Dept. of Environmental Quality (NELAC/LELAP):
02006

Pennsylvania Dept. of Env Protection (NELAC): 68-04202
Texas Commission on Env. Quality (NELAC):
T104704405-09-TX
U.S. Dept. of Agriculture Foreign Soil Import: P330-10-
00119

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263

North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP ID: 460263
Virginia VELAP Certification ID: 460263
Wisconsin Certification #: 405132750

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #E-10177
Kentucky UST Certification #: 0042
Kentucky WW Certification #:98019
Louisiana Certification #: 04076

Ohio VAP Certification #: CL-0065
Oklahoma Certification #: 2014-148
Texas Certification #: T104704355-15-9
West Virginia Certification #: 330
Wisconsin Certification #: 999788130
USDA Soil Permit #: P330-10-00128

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
WY STR Certification #: 2456.01
Arkansas Certification #: 15-016-0

Illinois Certification #: 003097
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AB-1 (0-7)-101415 Lab ID: 40122890023 Collected: 10/14/15 10:35 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.52	mg/kg	1.0	0.52	1	10/20/15 07:41	10/20/15 19:59	7440-36-0	
Arsenic	10.2	mg/kg	1.0	0.52	1	10/20/15 07:41	10/20/15 19:59	7440-38-2	
Barium	36.7	mg/kg	1.0	0.52	1	10/20/15 07:41	10/20/15 19:59	7440-39-3	
Beryllium	0.54	mg/kg	0.52	0.26	1	10/20/15 07:41	10/20/15 19:59	7440-41-7	
Cadmium	<0.26	mg/kg	0.52	0.26	1	10/20/15 07:41	10/20/15 19:59	7440-43-9	
Calcium	48300	mg/kg	1040	522	20	10/20/15 07:41	10/20/15 23:01	7440-70-2	
Chromium	15.6	mg/kg	1.0	0.52	1	10/20/15 07:41	10/20/15 19:59	7440-47-3	
Cobalt	6.9	mg/kg	1.0	0.52	1	10/20/15 07:41	10/20/15 19:59	7440-48-4	
Copper	19.1	mg/kg	1.0	0.52	1	10/20/15 07:41	10/20/15 19:59	7440-50-8	
Iron	17600	mg/kg	52.2	26.1	1	10/20/15 07:41	10/20/15 19:59	7439-89-6	
Lead	10.6	mg/kg	1.0	0.52	1	10/20/15 07:41	10/20/15 19:59	7439-92-1	
Magnesium	29800	mg/kg	1040	522	20	10/20/15 07:41	10/20/15 23:01	7439-95-4	
Manganese	263	mg/kg	1.0	0.52	1	10/20/15 07:41	10/20/15 19:59	7439-96-5	
Nickel	16.4	mg/kg	1.0	0.52	1	10/20/15 07:41	10/20/15 19:59	7440-02-0	
Potassium	1500	mg/kg	52.2	26.1	1	10/20/15 07:41	10/20/15 19:59	7440-09-7	
Selenium	<10.4	mg/kg	20.9	10.4	20	10/20/15 07:41	10/20/15 23:01	7782-49-2	D3
Silver	<0.26	mg/kg	0.52	0.26	1	10/20/15 07:41	10/20/15 19:59	7440-22-4	
Sodium	603	mg/kg	52.2	26.1	1	10/20/15 07:41	10/20/15 19:59	7440-23-5	
Thallium	1.2	mg/kg	1.0	0.52	1	10/20/15 07:41	10/20/15 19:59	7440-28-0	
Vanadium	32.1	mg/kg	1.0	0.52	1	10/20/15 07:41	10/20/15 19:59	7440-62-2	
Zinc	32.0	mg/kg	1.0	0.52	1	10/20/15 07:41	10/20/15 19:59	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Arsenic	0.046	mg/L	0.010	0.0029	1	10/28/15 06:51	10/29/15 03:41	7440-38-2	
Barium	0.44J	mg/L	0.50	0.0033	1	10/28/15 06:51	10/29/15 03:41	7440-39-3	
Beryllium	0.0035J	mg/L	0.0040	0.00031	1	10/28/15 06:51	10/29/15 03:41	7440-41-7	
Cadmium	0.00066J	mg/L	0.0050	0.00021	1	10/28/15 06:51	10/29/15 03:41	7440-43-9	
Chromium	0.092	mg/L	0.010	0.0025	1	10/28/15 06:51	10/29/15 03:41	7440-47-3	
Cobalt	0.025	mg/L	0.010	0.00053	1	10/28/15 06:51	10/29/15 03:41	7440-48-4	
Copper	0.10	mg/L	0.010	0.0040	1	10/28/15 06:51	10/29/15 03:41	7440-50-8	
Iron	96.1	mg/L	0.10	0.016	1	10/28/15 06:51	10/29/15 03:41	7439-89-6	
Lead	0.050	mg/L	0.010	0.0029	1	10/28/15 06:51	10/29/15 03:41	7439-92-1	
Manganese	0.75	mg/L	0.010	0.0010	1	10/28/15 06:51	10/29/15 03:41	7439-96-5	
Nickel	0.086	mg/L	0.010	0.00074	1	10/28/15 06:51	10/29/15 03:41	7440-02-0	
Selenium	0.0040J	mg/L	0.010	0.0033	1	10/28/15 06:51	10/29/15 03:41	7782-49-2	
Silver	<0.0033	mg/L	0.010	0.0033	1	10/28/15 06:51	10/29/15 03:41	7440-22-4	
Zinc	0.20	mg/L	0.020	0.0030	1	10/28/15 06:51	10/29/15 03:41	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/16/15 18:55

Arsenic	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 10:03	7440-38-2	
Barium	<0.25	mg/L	0.50	0.25	1	10/19/15 17:12	10/28/15 10:03	7440-39-3	
Beryllium	<0.0020	mg/L	0.0040	0.0020	1	10/19/15 17:12	10/28/15 10:03	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/19/15 17:12	10/28/15 10:03	7440-43-9	
Chromium	<0.0052	mg/L	0.010	0.0052	1	10/19/15 17:12	10/28/15 10:03	7440-47-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AB-1 (0-7)-101415 Lab ID: 40122890023 Collected: 10/14/15 10:35 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/16/15 18:55									
Cobalt	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 10:03	7440-48-4	
Copper	0.0056J	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 10:03	7440-50-8	
Iron	<0.050	mg/L	0.10	0.050	1	10/19/15 17:12	10/28/15 10:03	7439-89-6	
Lead	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 10:03	7439-92-1	
Manganese	0.13	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 10:03	7439-96-5	
Nickel	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 10:03	7440-02-0	
Selenium	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 10:03	7782-49-2	
Silver	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 10:03	7440-22-4	
Zinc	<0.010	mg/L	0.020	0.010	1	10/19/15 17:12	10/28/15 10:03	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.33	ug/L	0.67	0.33	1	10/21/15 23:37	10/22/15 09:36	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/16/15 18:55									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/20/15 21:51	10/21/15 13:35	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.026J	mg/kg	0.21	0.0041	1	10/19/15 22:51	10/20/15 13:27	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<65.0	ug/kg	217	65.0	1	10/21/15 08:58	10/21/15 19:27	83-32-9	
Acenaphthylene	<65.4	ug/kg	218	65.4	1	10/21/15 08:58	10/21/15 19:27	208-96-8	
Anthracene	<29.3	ug/kg	97.7	29.3	1	10/21/15 08:58	10/21/15 19:27	120-12-7	
Benzo(a)anthracene	<28.4	ug/kg	94.6	28.4	1	10/21/15 08:58	10/21/15 19:27	56-55-3	
Benzo(a)pyrene	<27.6	ug/kg	92.0	27.6	1	10/21/15 08:58	10/21/15 19:27	50-32-8	
Benzo(b)fluoranthene	<31.5	ug/kg	105	31.5	1	10/21/15 08:58	10/21/15 19:27	205-99-2	
Benzo(g,h,i)perylene	<48.0	ug/kg	160	48.0	1	10/21/15 08:58	10/21/15 19:27	191-24-2	
Benzo(k)fluoranthene	<43.9	ug/kg	146	43.9	1	10/21/15 08:58	10/21/15 19:27	207-08-9	
4-Bromophenylphenyl ether	<38.4	ug/kg	128	38.4	1	10/21/15 08:58	10/21/15 19:27	101-55-3	
Butylbenzylphthalate	<29.4	ug/kg	98.0	29.4	1	10/21/15 08:58	10/21/15 19:27	85-68-7	
Carbazole	<28.7	ug/kg	95.7	28.7	1	10/21/15 08:58	10/21/15 19:27	86-74-8	
4-Chloro-3-methylphenol	<57.0	ug/kg	190	57.0	1	10/21/15 08:58	10/21/15 19:27	59-50-7	
4-Chloroaniline	<30.1	ug/kg	100	30.1	1	10/21/15 08:58	10/21/15 19:27	106-47-8	
bis(2-Chloroethoxy)methane	<49.4	ug/kg	165	49.4	1	10/21/15 08:58	10/21/15 19:27	111-91-1	
bis(2-Chloroethyl) ether	<57.2	ug/kg	191	57.2	1	10/21/15 08:58	10/21/15 19:27	111-44-4	
2-Chloronaphthalene	<23.5	ug/kg	78.5	23.5	1	10/21/15 08:58	10/21/15 19:27	91-58-7	
2-Chlorophenol	<45.8	ug/kg	153	45.8	1	10/21/15 08:58	10/21/15 19:27	95-57-8	
4-Chlorophenylphenyl ether	<34.1	ug/kg	114	34.1	1	10/21/15 08:58	10/21/15 19:27	7005-72-3	
Chrysene	<27.4	ug/kg	91.4	27.4	1	10/21/15 08:58	10/21/15 19:27	218-01-9	
Dibenz(a,h)anthracene	<49.8	ug/kg	166	49.8	1	10/21/15 08:58	10/21/15 19:27	53-70-3	
Dibenzofuran	<22.2	ug/kg	74.0	22.2	1	10/21/15 08:58	10/21/15 19:27	132-64-9	
1,2-Dichlorobenzene	<57.7	ug/kg	192	57.7	1	10/21/15 08:58	10/21/15 19:27	95-50-1	
1,3-Dichlorobenzene	<25.4	ug/kg	84.6	25.4	1	10/21/15 08:58	10/21/15 19:27	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AB-1 (0-7)-101415 **Lab ID: 40122890023** Collected: 10/14/15 10:35 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,4-Dichlorobenzene	<25.5	ug/kg	85.1	25.5	1	10/21/15 08:58	10/21/15 19:27	106-46-7	
3,3'-Dichlorobenzidine	<49.7	ug/kg	166	49.7	1	10/21/15 08:58	10/21/15 19:27	91-94-1	
2,4-Dichlorophenol	<49.0	ug/kg	163	49.0	1	10/21/15 08:58	10/21/15 19:27	120-83-2	
Diethylphthalate	<30.4	ug/kg	101	30.4	1	10/21/15 08:58	10/21/15 19:27	84-66-2	
2,4-Dimethylphenol	<36.3	ug/kg	121	36.3	1	10/21/15 08:58	10/21/15 19:27	105-67-9	
Dimethylphthalate	<23.8	ug/kg	79.5	23.8	1	10/21/15 08:58	10/21/15 19:27	131-11-3	
Di-n-butylphthalate	<27.4	ug/kg	91.3	27.4	1	10/21/15 08:58	10/21/15 19:27	84-74-2	
4,6-Dinitro-2-methylphenol	<56.5	ug/kg	188	56.5	1	10/21/15 08:58	10/21/15 19:27	534-52-1	
2,4-Dinitrophenol	<55.9	ug/kg	186	55.9	1	10/21/15 08:58	10/21/15 19:27	51-28-5	
2,4-Dinitrotoluene	<26.2	ug/kg	87.4	26.2	1	10/21/15 08:58	10/21/15 19:27	121-14-2	
2,6-Dinitrotoluene	<34.8	ug/kg	116	34.8	1	10/21/15 08:58	10/21/15 19:27	606-20-2	
Di-n-octylphthalate	<41.2	ug/kg	137	41.2	1	10/21/15 08:58	10/21/15 19:27	117-84-0	
bis(2-Ethylhexyl)phthalate	<30.5	ug/kg	102	30.5	1	10/21/15 08:58	10/21/15 19:27	117-81-7	
Fluoranthene	<25.9	ug/kg	86.5	25.9	1	10/21/15 08:58	10/21/15 19:27	206-44-0	
Fluorene	<21.4	ug/kg	71.4	21.4	1	10/21/15 08:58	10/21/15 19:27	86-73-7	
Hexachloro-1,3-butadiene	<46.7	ug/kg	156	46.7	1	10/21/15 08:58	10/21/15 19:27	87-68-3	
Hexachlorobenzene	<30.8	ug/kg	103	30.8	1	10/21/15 08:58	10/21/15 19:27	118-74-1	
Hexachlorocyclopentadiene	<43.4	ug/kg	145	43.4	1	10/21/15 08:58	10/21/15 19:27	77-47-4	
Hexachloroethane	<29.3	ug/kg	97.8	29.3	1	10/21/15 08:58	10/21/15 19:27	67-72-1	
Indeno(1,2,3-cd)pyrene	<39.7	ug/kg	132	39.7	1	10/21/15 08:58	10/21/15 19:27	193-39-5	
Isophorone	<28.2	ug/kg	93.9	28.2	1	10/21/15 08:58	10/21/15 19:27	78-59-1	
2-Methylnaphthalene	<47.6	ug/kg	159	47.6	1	10/21/15 08:58	10/21/15 19:27	91-57-6	
2-Methylphenol(o-Cresol)	<33.3	ug/kg	111	33.3	1	10/21/15 08:58	10/21/15 19:27	95-48-7	
3&4-Methylphenol(m&p Cresol)	<33.6	ug/kg	112	33.6	1	10/21/15 08:58	10/21/15 19:27		
Naphthalene	<64.1	ug/kg	214	64.1	1	10/21/15 08:58	10/21/15 19:27	91-20-3	
2-Nitroaniline	<52.2	ug/kg	174	52.2	1	10/21/15 08:58	10/21/15 19:27	88-74-4	
3-Nitroaniline	<31.2	ug/kg	104	31.2	1	10/21/15 08:58	10/21/15 19:27	99-09-2	
4-Nitroaniline	<76.1	ug/kg	254	76.1	1	10/21/15 08:58	10/21/15 19:27	100-01-6	
Nitrobenzene	<37.2	ug/kg	124	37.2	1	10/21/15 08:58	10/21/15 19:27	98-95-3	
2-Nitrophenol	<57.9	ug/kg	193	57.9	1	10/21/15 08:58	10/21/15 19:27	88-75-5	
4-Nitrophenol	<46.2	ug/kg	154	46.2	1	10/21/15 08:58	10/21/15 19:27	100-02-7	
N-Nitroso-di-n-propylamine	<29.1	ug/kg	96.9	29.1	1	10/21/15 08:58	10/21/15 19:27	621-64-7	
N-Nitrosodiphenylamine	<249	ug/kg	829	249	1	10/21/15 08:58	10/21/15 19:27	86-30-6	
2,2'-Oxybis(1-chloropropane)	<47.3	ug/kg	158	47.3	1	10/21/15 08:58	10/21/15 19:27	108-60-1	
Pentachlorophenol	<40.4	ug/kg	135	40.4	1	10/21/15 08:58	10/21/15 19:27	87-86-5	
Phenanthrene	<23.5	ug/kg	78.4	23.5	1	10/21/15 08:58	10/21/15 19:27	85-01-8	
Phenol	<43.5	ug/kg	145	43.5	1	10/21/15 08:58	10/21/15 19:27	108-95-2	
Pyrene	<40.6	ug/kg	135	40.6	1	10/21/15 08:58	10/21/15 19:27	129-00-0	
1,2,4-Trichlorobenzene	<20.7	ug/kg	69.1	20.7	1	10/21/15 08:58	10/21/15 19:27	120-82-1	
2,4,5-Trichlorophenol	<32.4	ug/kg	108	32.4	1	10/21/15 08:58	10/21/15 19:27	95-95-4	
2,4,6-Trichlorophenol	<28.0	ug/kg	93.2	28.0	1	10/21/15 08:58	10/21/15 19:27	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	66	%	45-130		1	10/21/15 08:58	10/21/15 19:27	4165-60-0	
2-Fluorobiphenyl (S)	63	%	51-130		1	10/21/15 08:58	10/21/15 19:27	321-60-8	
Terphenyl-d14 (S)	63	%	37-134		1	10/21/15 08:58	10/21/15 19:27	1718-51-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AB-1 (0-7)-101415 **Lab ID: 40122890023** Collected: 10/14/15 10:35 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Phenol-d6 (S)	62	%	36-130		1	10/21/15 08:58	10/21/15 19:27	13127-88-3	
2-Fluorophenol (S)	60	%	37-130		1	10/21/15 08:58	10/21/15 19:27	367-12-4	
2,4,6-Tribromophenol (S)	56	%	30-130		1	10/21/15 08:58	10/21/15 19:27	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<3.6	ug/kg	11.4	3.6	1	10/19/15 12:00	10/19/15 09:51	67-64-1	2q
Benzene	<0.92	ug/kg	2.9	0.92	1	10/19/15 12:00	10/19/15 09:51	71-43-2	
Bromodichloromethane	<0.63	ug/kg	2.9	0.63	1	10/19/15 12:00	10/19/15 09:51	75-27-4	
Bromoform	<0.48	ug/kg	2.9	0.48	1	10/19/15 12:00	10/19/15 09:51	75-25-2	
Bromomethane	<0.86	ug/kg	5.7	0.86	1	10/19/15 12:00	10/19/15 09:51	74-83-9	
2-Butanone (MEK)	<1.6	ug/kg	11.4	1.6	1	10/19/15 12:00	10/19/15 09:51	78-93-3	
Carbon disulfide	<0.74	ug/kg	2.9	0.74	1	10/19/15 12:00	10/19/15 09:51	75-15-0	
Carbon tetrachloride	<0.91	ug/kg	2.9	0.91	1	10/19/15 12:00	10/19/15 09:51	56-23-5	
Chlorobenzene	<0.91	ug/kg	2.9	0.91	1	10/19/15 12:00	10/19/15 09:51	108-90-7	
Chloroethane	<1.1	ug/kg	2.9	1.1	1	10/19/15 12:00	10/19/15 09:51	75-00-3	
Chloroform	<0.54	ug/kg	2.9	0.54	1	10/19/15 12:00	10/19/15 09:51	67-66-3	
Chloromethane	<0.32	ug/kg	2.9	0.32	1	10/19/15 12:00	10/19/15 09:51	74-87-3	
Dibromochloromethane	<0.98	ug/kg	2.9	0.98	1	10/19/15 12:00	10/19/15 09:51	124-48-1	
1,1-Dichloroethane	<1.4	ug/kg	2.9	1.4	1	10/19/15 12:00	10/19/15 09:51	75-34-3	
1,2-Dichloroethane	<0.56	ug/kg	2.9	0.56	1	10/19/15 12:00	10/19/15 09:51	107-06-2	
1,1-Dichloroethene	<1.3	ug/kg	2.9	1.3	1	10/19/15 12:00	10/19/15 09:51	75-35-4	
cis-1,2-Dichloroethene	<0.76	ug/kg	2.9	0.76	1	10/19/15 12:00	10/19/15 09:51	156-59-2	
trans-1,2-Dichloroethene	<0.71	ug/kg	2.9	0.71	1	10/19/15 12:00	10/19/15 09:51	156-60-5	
1,2-Dichloropropane	<0.72	ug/kg	2.9	0.72	1	10/19/15 12:00	10/19/15 09:51	78-87-5	
cis-1,3-Dichloropropene	<0.38	ug/kg	2.9	0.38	1	10/19/15 12:00	10/19/15 09:51	10061-01-5	
trans-1,3-Dichloropropene	<0.53	ug/kg	2.9	0.53	1	10/19/15 12:00	10/19/15 09:51	10061-02-6	
Ethylbenzene	<0.82	ug/kg	2.9	0.82	1	10/19/15 12:00	10/19/15 09:51	100-41-4	
2-Hexanone	<0.85	ug/kg	2.9	0.85	1	10/19/15 12:00	10/19/15 09:51	591-78-6	
Methylene Chloride	<1.1	ug/kg	2.9	1.1	1	10/19/15 12:00	10/19/15 09:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.70	ug/kg	2.9	0.70	1	10/19/15 12:00	10/19/15 09:51	108-10-1	
Methyl-tert-butyl ether	<0.57	ug/kg	2.9	0.57	1	10/19/15 12:00	10/19/15 09:51	1634-04-4	
Styrene	<0.43	ug/kg	2.9	0.43	1	10/19/15 12:00	10/19/15 09:51	100-42-5	
1,1,1,2-Tetrachloroethane	<1.2	ug/kg	2.9	1.2	1	10/19/15 12:00	10/19/15 09:51	79-34-5	
Tetrachloroethene	<0.90	ug/kg	2.9	0.90	1	10/19/15 12:00	10/19/15 09:51	127-18-4	
Toluene	<0.85	ug/kg	2.9	0.85	1	10/19/15 12:00	10/19/15 09:51	108-88-3	
1,1,1-Trichloroethane	<0.88	ug/kg	2.9	0.88	1	10/19/15 12:00	10/19/15 09:51	71-55-6	
1,1,2-Trichloroethane	<1.1	ug/kg	2.9	1.1	1	10/19/15 12:00	10/19/15 09:51	79-00-5	
Trichloroethene	<1.1	ug/kg	2.9	1.1	1	10/19/15 12:00	10/19/15 09:51	79-01-6	
Vinyl chloride	<0.31	ug/kg	2.9	0.31	1	10/19/15 12:00	10/19/15 09:51	75-01-4	
Xylene (Total)	<2.6	ug/kg	8.6	2.6	1	10/19/15 12:00	10/19/15 09:51	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	104	%	70-130		1	10/19/15 12:00	10/19/15 09:51	1868-53-7	
Toluene-d8 (S)	103	%	67-138		1	10/19/15 12:00	10/19/15 09:51	2037-26-5	
4-Bromofluorobenzene (S)	96	%	68-130		1	10/19/15 12:00	10/19/15 09:51	460-00-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AB-1 (0-7)-101415 **Lab ID: 40122890023** Collected: 10/14/15 10:35 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	9.0	%	0.10	0.10	1		10/15/15 18:06		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	8.09	Std. Units	0.100	0.0100	1		10/19/15 11:45		H6

Revised 11/05/15 16:35

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

(Please Print Clearly)

Company Name: EDI

Branch/Location:

Project Contact: Patricia/Colin

Phone: 312-345-1400

Project Number: 0295, 020

Project Name: FAT 55

Project State: FL

Sampled By (Print): Colin Penick

Sampled By (Sign): [Signature]

PO #:

Regulatory Program:

Data Package Options (billable)

MS/MSD (billable)

Matrix Codes

Page Lab #

Client Field ID

Date

Time

Matrix

Analyses Requested

VOCs

SVOCs

Total Metals

TCLP Metals

FACE Analytical www.facelabs.com

CHAIN OF CUSTODY

Preservation Codes: A=None, B-HCL, C-H2SO4, D-HNO3, E-DI Water, F-Methanol, G-NaOH, H-Sodium Bisulfate Solution, I-Sodium Thiosulfate, J-Other

Filtered? (YES/NO)

Preservation (CODE)*

Table with columns: Y/N, Pick Label, VOCs, SVOCs, Total Metals, TCLP Metals, SPLP Metals, pH

UPPER MIDWEST REGION MN: 612-607-1700 WI: 920-469-2436

Page 1 of 1 Page 442 of 447

Quote #:

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

Table with columns: Relinquished By, Date/Time, Received By, Date/Time, Relinquished By, Date/Time, Received By, Date/Time

FACE Product No. 40122800 Receipt Temp = 004.10c Sample Receipt PH OK / Adjusted Cooler Custody Seal Present / Not Present Intact / Not Intact

(Please Print Clearly)

Company Name: EDT
Branch/Location:
Project Contact: Patricia Cain
Phone:
Project Number: 0295.020
Project Name: IDOT 025-056ETS
Project State: Illinois
Sampled By (Print): Margaret O'Brien-Skibic
Sampled By (Sign): *Margaret O'Brien-Skibic*

Project Number: 0295.020
Project Name: IDOT 025-056ETS
Project State: Illinois
Sampled By (Print): Margaret O'Brien-Skibic
Sampled By (Sign): *Margaret O'Brien-Skibic*

Project Number: 0295.020
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Project State: Illinois
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Project State: Illinois
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Sampled By (Sign): *Margaret O'Brien-Skibic*

Project Number: 0295.020
Project Name: IDOT 025-056ETS
Project State: Illinois
Sampled By (Print): Margaret O'Brien-Skibic
Sampled By (Sign): *Margaret O'Brien-Skibic*

Project Number: 0295.020
Project Name: IDOT 025-056ETS
Project State: Illinois
Sampled By (Print): Margaret O'Brien-Skibic
Sampled By (Sign): *Margaret O'Brien-Skibic*



CHAIN OF CUSTODY

AN=None B=HCL C=H2SO4 D=HNO3 E=D1 Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

REGULATORY PROGRAM:
Regulatory Program:

DATA PACKAGE OPTIONS (billable)
 EPA Level III
 EPA Level IV

MS/MSD (billable)
 On your sample
 NOT needed on your sample

MATRIX CODES
A=Air B=Biota C=Charcoal O=Oil S=Soil SI=Sludge
W=Water DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water WP=Wipe

ANALYSES REQUESTED
Y/N Pick Letter

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	ANALYSES REQUESTED	Y/N	Pick Letter	Received By	Date/Time	Relinquished By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time	Relinquished By	Date/Time	
014	M11-1(0-5)-101415	10-14-15	0610	S	VOCS	X																
015	M11-1(5-9)-101415	10-14-15	0815	S	SVOCs	X																
016	M11-2(0-5)-101415	10-14-15	0838	S	Total Metals	X																
017	M11-2(5-9)-101415	10-14-15	0842	S	Total Metals	X																
018	M11-3(0-5)-101415	10-14-15	0900	S	Total Metals	X																
019	M11-3(5-9)-101415	10-14-15	0905	S	Total Metals	X																
020	M11-4(0-6)-101415	10-14-15	0920	S	Total Metals	X																
021	AB-2(0-7)-101415	10-14-15	1000	S	Total Metals	X																
022	AB-2(0-7)-101415D	10-14-15	100	S	Total Metals	X																
023	AB-1(0-7)-101415	10-14-15	1035	S	Total Metals	X																
024	V11-1(0-5)-101415	10-14-15	1100	S	Total Metals	X																
025	V11-1(5-10)-101415	10-14-15	1120	S	Total Metals	X																
026	V11-2(0-5)-101415	10-14-15	1130	S	Total Metals	X																

Quote #:
Mail To Contact:
Mail To Company:
Mail To Address:

Invoice To Contact:
Invoice To Company:
Invoice To Address:

Invoice To Phone:
CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)
Profile #

Received By: *Margaret O'Brien-Skibic* Date/Time: 10/14/15 1559

Relinquished By: *Margaret O'Brien-Skibic* Date/Time: 10/14/15 1730

Received By: *Shane Rine* Date/Time: 10/15/15 0935

Relinquished By: *Shane Rine* Date/Time: 10/15/15 0935

Received By: *Shane Rine* Date/Time: 10/15/15 0935

Relinquished By: *Shane Rine* Date/Time: 10/15/15 0935

Received By: *Shane Rine* Date/Time: 10/15/15 0935

Relinquished By: *Shane Rine* Date/Time: 10/15/15 0935

Received By: *Shane Rine* Date/Time: 10/15/15 0935

Relinquished By: *Shane Rine* Date/Time: 10/15/15 0935

Received By: *Shane Rine* Date/Time: 10/15/15 0935

Relinquished By: *Shane Rine* Date/Time: 10/15/15 0935

Received By: *Shane Rine* Date/Time: 10/15/15 0935

(Please Print Clearly)



CHAIN OF CUSTODY

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Company Name: **EDI**
 Branch/Location: **Phicia/Colin**
 Project Contact: **Phicia/Colin**
 Phone: **912-345-1400**
 Project Number: **0295.020**
 Project Name: **FAT 55**
 Project State: **FL**
 Sampled By (Print): **Colin Paries**
 Sampled By (Sign): *[Signature]*
 PO #:

Matrix Codes
 A = Air B = Soda C = Charcoal D = Oil E = Soil
 F = Drinking Water G = Ground Water H = Surface Water I = Waste Water
 J = Sludge K = Wipe
Regulatory Program:

Matrix Codes
 W = Water DW = Drinking Water GW = Ground Water SW = Surface Water WW = Waste Water
 SI = Sludge WP = Wipe

Analyses Requested

V/I/N	Pick Label
	VOCs
	SVOCs
	Total Metals
	TCLP Metals
	SPLP Metals
	pH

Preservation Codes
 A=None B=HCl C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Filtered? (YES/NO)
Preservation (CODE)*

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Analyses Requested												
					VOCs	SVOCs	Total Metals	TCLP Metals	SPLP Metals	pH							
027	PV-3(0-8)-101415	10/14/15	0730	Soil	X	X	X	X	X	X	X						
028	PV-4(0-8)-101415	0830			X	X	X	X	X	X	X						
029	PV-5(0-6)-101415 D		0845		X	X	X	X	X	X	X						
030	PV-5(0-6)-101415		0840		X	X	X	X	X	X	X						
031	CC-2(0-5)-101415		0950		X	X	X	X	X	X	X						
032	CC-2(5-9)-101415		1000		X	X	X	X	X	X	X						
033	CC-1(0-3)-101415		1010		X	X	X	X	X	X	X						
034	R-2(0-5)-101415		1025		X	X	X	X	X	X	X						
035	R-2(5-9)-101415		1035		X	X	X	X	X	X	X						
036	R-1(0-5)-101415		1050		X	X	X	X	X	X	X						
037	R-1(0-5)-101415 D		1055		X	X	X	X	X	X	X						
038	R-1(5-9)-101415		1105		X	X	X	X	X	X	X						
039	ALZ-12(0-5)-101415		1125		X	X	X	X	X	X	X						

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed:

Transmit Prelim Rush Results by (complete what you want):
 Email #1:
 Email #2:
 Telephone:
 Fax:

Relinquished By: *[Signature]* Date/Time: 10/14/15 1535
 Relinquished By: *[Signature]* Date/Time: 10/15/15 0835

Received By: *[Signature]* Date/Time: 10/14/15 1333
 Received By: *[Signature]* Date/Time: 10/15/15 0935

Relinquished By: *[Signature]* Date/Time: 10/15/15 0835
 Received By: *[Signature]* Date/Time: 10/15/15 0935

Relinquished By: *[Signature]* Date/Time: 10/15/15 0835
 Received By: *[Signature]* Date/Time: 10/15/15 0935

Quote #:

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

PACE Project No.
40122800

Receipt Temp = 00410c

Sample Receipt pH
OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

(Please Print Clearly)

Company Name: EDI
Branch/Location:
Project Contact: Patricia Cain
Phone:
Project Number: 0295.0020
Project Name: DOT 035-US6 E-555
Project State: Illinois
Sampled By (Print): Margaret Darnery-Subic
Sampled By (Sign): mgdarnery

CHAIN OF CUSTODY



UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Filtered? (YES/NO)
PRESERVATION (CODE)*
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Regulatory Program:

V/I/N	Pick Letter	ANALYSES REQUESTED
N	EF	VOCs
N	A	SVOCs
N	D	Total Metals
N	A	TECP Metals
N	D	OPRP Metals
N	D	PH

Quote #:
Mail To Contact:
Mail To Company:
Mail To Address:
Invoice To Contact:
Invoice To Company:
Invoice To Address:
Invoice To Phone:

CLIENT COMMENTS
LAB COMMENTS (Lab Use Only)
Profile #

3-40ml VEE 3-40mg
LAST ITEM

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX
040	VU-2(5-10)-101415	10-14-15	1135	S
041	VU-3(0-7)-101415	10-14-15	1230	S
042	VU-1-3(7-14)-101415	10-14-15	1235	S
043	VU-1-4(0-5)-101415	10-14-15	1253	S
044	VU-1-4(5-10)-101415	10-14-15	1258	S
045	VU-1-5(0-5)-101415	10-14-15	1315	S
046	VU-1-5(0-5)-101415	10-14-15	1315	S

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:
Transmit Prelim Rush Results by (complete what you want):

Relinquished By: Brian Kueyprunk 10/14/15 1533
Relinquished By: Brian Kueyprunk 10/14/15 1730
Relinquished By: Steve Poon 10/15/15 0935

Received By: Brian Kueyprunk 10/14/15 1533
Received By: Steve Poon 10/15/15 0935
Cooler Custody Seal Present / Not Present
Sample Receipt pH OK / Adjusted

(Please Print Clearly)

Company Name: EDI
 Branch/Location:
 Project Contact: Patricia Kolin
 Phone:
 Project Number: 0295-000
 Project Name: DOT 025-US6ET-33
 Project State: Illinois
 Sampled By (Print): Margaret Downy-Skovic
 Sampled By (Sign): [Signature]
 PO #:
 Regulatory Program:
 Data Package Options:
 (billable)
 EPA Level III
 EPA Level IV
 On your sample (billable)
 NOT needed on your sample
 Matrix Codes:
 A = Air, B = Biot, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WP = Waste Water
 Matrix Codes:
 W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WP = Waste Water
 FILTERED? (YES/NO)
 PRESERVATION (CODE)*
 A=None, B=HCL, C=H2SO4, D=HNO3, E=DI Water, F=Methanol, G=NaOH, H=Sodium Bisulfate Solution, I=Sodium Thiosulfate, J=Other



CHAIN OF CUSTODY

UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Analyses Requested		V/I	N
					Pick Label	EF		
047	VU-5(5-10)-101415	10-14-15	1320	S	X	VOCs	X	
047	SG-1(10-7)-101415	10-14-15	1405	S	X	SVOCs	X	
047	SG-2(10-5)-101415	10-14-15	1427	S	X	Total Metals	X	
051	SG-2(5-9)-101415	10-14-15	1432	S	X	TCP Metals	X	
051	PG-1(5-4)-101415	10-14-15	1500	S	X	SPLP Metals	X	
052	A12-6(5-9)-101415	10-14-15	1510	S	X	DH	X	

Quote #:
 Mail To Contact:
 Mail To Company:
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)
 Profile #
 Received By: [Signature] Date/Time: 10-14-15 1533
 Received By: [Signature] Date/Time: 10-15-15 0435
 Received By: [Signature] Date/Time: 10-15-15 0435
 PACE Project No. 40122890
 Receipt Temp = 10.4110
 Sample Receipt pH
 OK / Adjusted
 Cooler/Custody Seal Present / Not Present Intact / Not Intact



Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Client Name: EDI

Project #:

WO#: 40122890

Courier: Fed Ex UPS Client Pace Other: CS LOGISTICS
Tracking #:



Custody Seal on Cooler/Box Present: X yes - no Seals intact: X yes - no

Custody Seal on Samples Present: yes X no Seals intact: yes - no

Packing Material: Bubble Wrap X Bubble Bags None Other

Thermometer Used SR104 Type of Ice: Wet Blue Dry None X Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 0.04, 1.0 Corr: 0.04, 1.0 Biological Tissue is Frozen: yes

Temp Blank Present: X yes - no

Person examining contents:
Date: 10/15/15
Initials: JL

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows for Chain of Custody Present, Chain of Custody Filled Out, Chain of Custody Relinquished, Sampler Name & Signature on COC, Samples Arrived within Hold Time, Short Hold Time Analysis (<72hr), Rush Turn Around Time Requested, Sufficient Volume, Correct Containers Used, Containers Intact, Filtered volume received for Dissolved tests, Sample Labels match COC, All containers needing preservation have been checked, All containers needing preservation are found to be in compliance with EPA recommendation, Headspace in VOA Vials (>6mm), Trip Blank Present, Trip Blank Custody Seals Present, Pace Trip Blank Lot # (if purchased).

Handwritten notes: no collect time 150, 022 no collect time, 021 no collect time, 025 no collect date, 032 ID AG 2-12/05, 043 1 of 3 vials no collect date

Client Notification/ Resolution: Person Contacted: Date/Time: If checked, see attached form for additional comments

Comments/ Resolution: 047 1 of 3 vials no collect date, 023 no collect times 10/15/15

Project Manager Review: Date: 10/15/15



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification
by Licensed Professional Engineer or Licensed Professional Geologist
for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation
LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAI 55: Interstate Route 55 at US Route 6 Office Phone Number, if available:

Physical Site Location (address, including number and street):

23926 Eames Street (ISGS Site No. 693V-11)

City: Channahon State: IL Zip Code:

County: Will Township:

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.457591057 Longitude: -88.193545482

(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

[X] GPS [] Map Interpolation [] Photo Interpolation [] Survey [] Other

IEPA Site Number(s), if assigned: BOL: BOW: BOA:

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

Street Address: 201 West Center Court

PO Box:

PO Box:

City: Schaumburg State: IL

City: Schaumburg State: IL

Zip Code: 60196-1096 Phone: 847-705-4101

Zip Code: 60196-1096 Phone: 847-705-4101

Contact: Sam Mead

Contact: Sam Mead

Email, if available: Sam.Mead@illinois.gov

Email, if available: Sam.Mead@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAI 55: Interstate Route 55 at US Route 6Latitude: 41.457591057 Longitude: -88.193545482Uncontaminated Site Certification**III. Basis for Certification and Attachments**

For each item listed below, reference the attachments to this form that provide the required information.

- a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a):

LOCATIONS M11-1 THROUGH M11-3 WERE SAMPLED ADJACENT TO ISGS SITE No. 693V-11. SEE FIGURES 3-1, 3-2, AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

- b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

PACE ANALYTICAL REPORT - JOB ID: 40122890
ALSO SEE FIGURES 4-1 AND 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, William F. Karlovitz, P.E. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Weston Solutions, Inc.
Street Address: 300 Circle Plaza; Suite 202
City: Mundelein State: IL Zip Code: 60060
Phone: (224) 864-7200

William F. Karlovitz, P.E.

Printed Name:


Licensed Professional Engineer or
Licensed Professional Geologist Signature:

14 Dec. 2015

Date:



P.E. or L.P.G. Seal:

Summary Table of ISGS Site No. 693V-11
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	M11-1 (0-5)-101415	M11-1 (5-9)-101415	M11-2 (0-5)-101415	M11-2 (5-9)-101415	M11-3 (0-5)-101415	M11-3 (5-9)-101415	Soil Reference Concentrations ^A
Sample Date	10/14/2015	10/14/2015	10/14/2015	10/14/2015	10/14/2015	10/14/2015	
Location ID	M11-1	M11-1	M11-2	M11-2	M11-3	M11-3	
Depth	0 - 5	5 - 9	0 - 5	5 - 9	0 - 5	5 - 9	
Lab Sample ID	40122890014	40122890015	40122890016	40122890017	40122890018	40122890019	
Location Code	693V-11	693V-11	693V-11	693V-11	693V-11	693V-11	
Parameter							
Laboratory pH	8.82 J	8.66 J	8.6 J	8.87 J	8.28 J	8.54 J	<6.25, >9.0
VOCs (ug/kg)							
Acetone	ND	ND	ND	ND	ND	ND	25000
Methyl ethyl ketone	ND	ND	ND	ND	ND	ND	---
Toluene	ND	ND	ND	ND	ND	ND	12000
SVOCs (ug/kg)							
Benzo(a)pyrene	ND	ND	69.4 J	35.6 J	258	ND	90 / 1300 / 2100
Total Metals (mg/kg)							
Arsenic, Total	4.9	2.8	10.2	2.4	7.9	3	11.3 / 13.0
Barium, Total	42.5	9.4	65	13.3	97.7	10.2	1500
Beryllium, Total	0.37 J	ND	0.85	ND	0.6	ND	22
Cadmium, Total	ND	ND	ND	ND	1.5	ND	5.2
Calcium, Total	61100	115000	4670	103000	36700	156000	---
Chromium, Total	9.7	5	27.6	5.7	18.8	5.1	21
Cobalt, Total	4.5	2.1	9.3	1.9	10.1	2.1	20
Copper, Total	10.3	6.6	22.5	7.4	20.6	6.9	2900
Iron, Total	10800	4940	33300	6090	17700	5990	15000 / 15900
Lead, Total	9	2.5	14.4	8.8	90.3	2.7	107
Magnesium, Total	33100	69900	4370	61000	17000	96000	325000
Manganese, Total	398	221	363	263	673	293	630 / 636
Mercury, Total	0.018 J	0.005 J	0.023 J	0.0046 J	0.12 J	0.0094 J	0.89
Nickel, Total	10.6	6.2	23.9	5.7	17.6	6.3	100
Potassium, Total	1250	801	1760	614	1710	672	---
Selenium, Total	ND	ND	ND	ND	ND	ND	1.3
Sodium, Total	675	167	1190	317	611	255	---
Thallium, Total	0.94 J	0.66 J	1.1	0.96 J	1.5	0.71 J	2.6
Vanadium, Total	18.1	7.2	45.7	8.6	29.2	8.7	550
Zinc, Total	30.4	9.4	45	18.7	83.7	9.5	5100
TCLP Metals (mg/l)							
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.32 J	ND	0.41 J	ND	0.33 J	ND	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	0.0033 J	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	0.0052 J	0.0056 J	0.0051 J	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.088	0.93	0.024	0.96	0.068	0.97	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	0.0098 J	ND	0.0076 J	ND	0.01	0.1
Selenium, TCLP	ND	ND	ND	ND	0.0067 J	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	ND	ND	0.064	0.027	ND	5

Summary Table of ISGS Site No. 693V-11
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	M11-1 (0-5)-101415	M11-1 (5-9)-101415	M11-2 (0-5)-101415	M11-2 (5-9)-101415	M11-3 (0-5)-101415	M11-3 (5-9)-101415	Soil Reference Concentrations ^A
Sample Date	10/14/2015	10/14/2015	10/14/2015	10/14/2015	10/14/2015	10/14/2015	
Location ID	M11-1	M11-1	M11-2	M11-2	M11-3	M11-3	
Depth	0 - 5	5 - 9	0 - 5	5 - 9	0 - 5	5 - 9	
Lab Sample ID	40122890014	40122890015	40122890016	40122890017	40122890018	40122890019	
Location Code	693V-11	693V-11	693V-11	693V-11	693V-11	693V-11	
Parameter							
SPLP Metals (mg/l)							
Arsenic, SPLP	0.041	ND	0.041	ND	0.014	ND	0.05
Barium, SPLP	0.65	0.0062 J	0.7	0.0059 J	0.33 J	0.009 J	2
Beryllium, SPLP	0.0051	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	0.0011 J	ND	0.001 J	ND	0.0023 J	0.00024 J	0.005
Chromium, SPLP	0.13	ND	0.13	ND	0.051	ND	0.1
Cobalt, SPLP	0.034	ND	0.034	ND	0.014	ND	1
Copper, SPLP	0.11	ND	0.12	ND	0.048	ND	0.65
Iron, SPLP	134	0.061 J	128	0.23	45.5	0.47	5
Lead, SPLP	0.083	ND	0.073	ND	0.14	ND	0.0075
Manganese, SPLP	2.3	ND	1.5	ND	0.58	ND	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	0.1	ND	0.11	ND	0.037	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.42	ND	0.31	ND	0.23	ND	5

Notes:

--- - not applicable or value not available.

^A - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

B - Constituent detected in the blank and investigative sample.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

J+ - Estimated concentration, biased high.

Shaded values indicate concentration **exceeds** Reference Concentration.

November 05, 2015

Patricia Feeley, P.G.
Environmental Design International Inc.
33 West Monroe Street
Suite 1825
Chicago, IL 606035326

RE: Project: 0295.020 FAI 55
Pace Project No.: 40122890

Dear Patricia Feeley, P.G.:

Enclosed are the analytical results for sample(s) received by the laboratory on October 15, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Brian Basten for
Laurie Woelfel
laurie.woelfel@pacelabs.com
Project Manager

Enclosures

cc: Andrew Dorn, Environmental Design
Colin Pannier, Environmental Design



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0295.020 FAI 55
Pace Project No.: 40122890

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

New Orleans Certification IDs

California Env. Lab Accreditation Program Branch:
11277CA
Florida Department of Health (NELAC): E87595
Illinois Environmental Protection Agency: 0025721
Kansas Department of Health and Environment (NELAC):
E-10266
Louisiana Dept. of Environmental Quality (NELAC/LELAP):
02006

Pennsylvania Dept. of Env Protection (NELAC): 68-04202
Texas Commission on Env. Quality (NELAC):
T104704405-09-TX
U.S. Dept. of Agriculture Foreign Soil Import: P330-10-
00119

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263

North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP ID: 460263
Virginia VELAP Certification ID: 460263
Wisconsin Certification #: 405132750

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #E-10177
Kentucky UST Certification #: 0042
Kentucky WW Certification #:98019
Louisiana Certification #: 04076

Ohio VAP Certification #: CL-0065
Oklahoma Certification #: 2014-148
Texas Certification #: T104704355-15-9
West Virginia Certification #: 330
Wisconsin Certification #: 999788130
USDA Soil Permit #: P330-10-00128

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
WY STR Certification #: 2456.01
Arkansas Certification #: 15-016-0

Illinois Certification #: 003097
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: M11-1 (0-5)-101415 Lab ID: 40122890014 Collected: 10/14/15 08:10 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.48	mg/kg	0.97	0.48	1	10/20/15 07:41	10/20/15 19:34	7440-36-0	
Arsenic	4.9	mg/kg	0.97	0.48	1	10/20/15 07:41	10/20/15 19:34	7440-38-2	
Barium	42.5	mg/kg	0.97	0.48	1	10/20/15 07:41	10/20/15 19:34	7440-39-3	
Beryllium	0.37J	mg/kg	0.48	0.24	1	10/20/15 07:41	10/20/15 19:34	7440-41-7	
Cadmium	<0.24	mg/kg	0.48	0.24	1	10/20/15 07:41	10/20/15 19:34	7440-43-9	
Calcium	61100	mg/kg	969	485	20	10/20/15 07:41	10/21/15 17:41	7440-70-2	
Chromium	9.7	mg/kg	0.97	0.48	1	10/20/15 07:41	10/20/15 19:34	7440-47-3	
Cobalt	4.5	mg/kg	0.97	0.48	1	10/20/15 07:41	10/20/15 19:34	7440-48-4	
Copper	10.3	mg/kg	0.97	0.48	1	10/20/15 07:41	10/20/15 19:34	7440-50-8	
Iron	10800	mg/kg	48.5	24.2	1	10/20/15 07:41	10/20/15 19:34	7439-89-6	
Lead	9.0	mg/kg	0.97	0.48	1	10/20/15 07:41	10/20/15 19:34	7439-92-1	
Magnesium	33100	mg/kg	969	485	20	10/20/15 07:41	10/21/15 17:41	7439-95-4	
Manganese	398	mg/kg	0.97	0.48	1	10/20/15 07:41	10/20/15 19:34	7439-96-5	
Nickel	10.6	mg/kg	0.97	0.48	1	10/20/15 07:41	10/20/15 19:34	7440-02-0	
Potassium	1250	mg/kg	48.5	24.2	1	10/20/15 07:41	10/20/15 19:34	7440-09-7	
Selenium	<0.48	mg/kg	0.97	0.48	1	10/20/15 07:41	10/20/15 19:34	7782-49-2	
Silver	<0.24	mg/kg	0.48	0.24	1	10/20/15 07:41	10/20/15 19:34	7440-22-4	
Sodium	675	mg/kg	48.5	24.2	1	10/20/15 07:41	10/20/15 19:34	7440-23-5	
Thallium	0.94J	mg/kg	0.97	0.48	1	10/20/15 07:41	10/20/15 19:34	7440-28-0	
Vanadium	18.1	mg/kg	0.97	0.48	1	10/20/15 07:41	10/20/15 19:34	7440-62-2	
Zinc	30.4	mg/kg	0.97	0.48	1	10/20/15 07:41	10/20/15 19:34	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Arsenic	0.041	mg/L	0.010	0.0029	1	10/28/15 06:51	10/29/15 03:05	7440-38-2	
Barium	0.65	mg/L	0.50	0.0033	1	10/28/15 06:51	10/29/15 03:05	7440-39-3	
Beryllium	0.0051	mg/L	0.0040	0.00031	1	10/28/15 06:51	10/29/15 03:05	7440-41-7	
Cadmium	0.0011J	mg/L	0.0050	0.00021	1	10/28/15 06:51	10/29/15 03:05	7440-43-9	
Chromium	0.13	mg/L	0.010	0.0025	1	10/28/15 06:51	10/29/15 03:05	7440-47-3	
Cobalt	0.034	mg/L	0.010	0.00053	1	10/28/15 06:51	10/29/15 03:05	7440-48-4	
Copper	0.11	mg/L	0.010	0.0040	1	10/28/15 06:51	10/29/15 03:05	7440-50-8	
Iron	134	mg/L	0.10	0.016	1	10/28/15 06:51	10/29/15 03:05	7439-89-6	
Lead	0.083	mg/L	0.010	0.0029	1	10/28/15 06:51	10/29/15 03:05	7439-92-1	
Manganese	2.3	mg/L	0.010	0.0010	1	10/28/15 06:51	10/29/15 03:05	7439-96-5	
Nickel	0.10	mg/L	0.010	0.00074	1	10/28/15 06:51	10/29/15 03:05	7440-02-0	
Selenium	0.0088J	mg/L	0.010	0.0033	1	10/28/15 06:51	10/29/15 03:05	7782-49-2	
Silver	<0.0033	mg/L	0.010	0.0033	1	10/28/15 06:51	10/29/15 03:05	7440-22-4	
Zinc	0.42	mg/L	0.020	0.0030	1	10/28/15 06:51	10/29/15 03:05	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/16/15 18:55

Arsenic	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:19	7440-38-2	
Barium	0.32J	mg/L	0.50	0.25	1	10/19/15 17:12	10/28/15 09:19	7440-39-3	
Beryllium	<0.0020	mg/L	0.0040	0.0020	1	10/19/15 17:12	10/28/15 09:19	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/19/15 17:12	10/28/15 09:19	7440-43-9	
Chromium	<0.0052	mg/L	0.010	0.0052	1	10/19/15 17:12	10/28/15 09:19	7440-47-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: M11-1 (0-5)-101415 Lab ID: 40122890014 Collected: 10/14/15 08:10 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/16/15 18:55									
Cobalt	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:19	7440-48-4	
Copper	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:19	7440-50-8	
Iron	<0.050	mg/L	0.10	0.050	1	10/19/15 17:12	10/28/15 09:19	7439-89-6	
Lead	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:19	7439-92-1	
Manganese	0.088	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:19	7439-96-5	
Nickel	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:19	7440-02-0	
Selenium	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:19	7782-49-2	
Silver	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:19	7440-22-4	
Zinc	<0.010	mg/L	0.020	0.010	1	10/19/15 17:12	10/28/15 09:19	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.33	ug/L	0.67	0.33	1	10/21/15 23:37	10/22/15 09:11	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/16/15 18:55									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/20/15 21:51	10/21/15 13:08	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.018J	mg/kg	0.23	0.0046	1	10/19/15 22:51	10/20/15 13:03	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<68.1	ug/kg	227	68.1	1	10/16/15 13:41	10/19/15 17:32	83-32-9	
Acenaphthylene	<68.5	ug/kg	228	68.5	1	10/16/15 13:41	10/19/15 17:32	208-96-8	
Anthracene	<30.7	ug/kg	102	30.7	1	10/16/15 13:41	10/19/15 17:32	120-12-7	
Benzo(a)anthracene	<29.7	ug/kg	99.1	29.7	1	10/16/15 13:41	10/19/15 17:32	56-55-3	
Benzo(a)pyrene	<28.9	ug/kg	96.3	28.9	1	10/16/15 13:41	10/19/15 17:32	50-32-8	
Benzo(b)fluoranthene	<33.0	ug/kg	110	33.0	1	10/16/15 13:41	10/19/15 17:32	205-99-2	
Benzo(g,h,i)perylene	<50.2	ug/kg	167	50.2	1	10/16/15 13:41	10/19/15 17:32	191-24-2	
Benzo(k)fluoranthene	<46.0	ug/kg	153	46.0	1	10/16/15 13:41	10/19/15 17:32	207-08-9	
4-Bromophenylphenyl ether	<40.2	ug/kg	134	40.2	1	10/16/15 13:41	10/19/15 17:32	101-55-3	
Butylbenzylphthalate	<30.8	ug/kg	103	30.8	1	10/16/15 13:41	10/19/15 17:32	85-68-7	
Carbazole	<30.1	ug/kg	100	30.1	1	10/16/15 13:41	10/19/15 17:32	86-74-8	
4-Chloro-3-methylphenol	<59.8	ug/kg	199	59.8	1	10/16/15 13:41	10/19/15 17:32	59-50-7	
4-Chloroaniline	<31.6	ug/kg	105	31.6	1	10/16/15 13:41	10/19/15 17:32	106-47-8	
bis(2-Chloroethoxy)methane	<51.7	ug/kg	172	51.7	1	10/16/15 13:41	10/19/15 17:32	111-91-1	
bis(2-Chloroethyl) ether	<59.9	ug/kg	200	59.9	1	10/16/15 13:41	10/19/15 17:32	111-44-4	
2-Chloronaphthalene	<24.7	ug/kg	82.2	24.7	1	10/16/15 13:41	10/19/15 17:32	91-58-7	
2-Chlorophenol	<47.9	ug/kg	160	47.9	1	10/16/15 13:41	10/19/15 17:32	95-57-8	
4-Chlorophenylphenyl ether	<35.8	ug/kg	119	35.8	1	10/16/15 13:41	10/19/15 17:32	7005-72-3	
Chrysene	<28.7	ug/kg	95.7	28.7	1	10/16/15 13:41	10/19/15 17:32	218-01-9	
Dibenz(a,h)anthracene	<52.2	ug/kg	174	52.2	1	10/16/15 13:41	10/19/15 17:32	53-70-3	
Dibenzofuran	<23.2	ug/kg	77.5	23.2	1	10/16/15 13:41	10/19/15 17:32	132-64-9	
1,2-Dichlorobenzene	<60.4	ug/kg	201	60.4	1	10/16/15 13:41	10/19/15 17:32	95-50-1	
1,3-Dichlorobenzene	<26.6	ug/kg	88.6	26.6	1	10/16/15 13:41	10/19/15 17:32	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: M11-1 (0-5)-101415 **Lab ID: 40122890014** Collected: 10/14/15 08:10 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,4-Dichlorobenzene	<26.8	ug/kg	89.2	26.8	1	10/16/15 13:41	10/19/15 17:32	106-46-7	
3,3'-Dichlorobenzidine	<52.1	ug/kg	174	52.1	1	10/16/15 13:41	10/19/15 17:32	91-94-1	
2,4-Dichlorophenol	<51.3	ug/kg	171	51.3	1	10/16/15 13:41	10/19/15 17:32	120-83-2	
Diethylphthalate	<31.8	ug/kg	106	31.8	1	10/16/15 13:41	10/19/15 17:32	84-66-2	
2,4-Dimethylphenol	<38.0	ug/kg	127	38.0	1	10/16/15 13:41	10/19/15 17:32	105-67-9	
Dimethylphthalate	<25.0	ug/kg	83.3	25.0	1	10/16/15 13:41	10/19/15 17:32	131-11-3	
Di-n-butylphthalate	<28.7	ug/kg	95.7	28.7	1	10/16/15 13:41	10/19/15 17:32	84-74-2	
4,6-Dinitro-2-methylphenol	<59.2	ug/kg	197	59.2	1	10/16/15 13:41	10/19/15 17:32	534-52-1	
2,4-Dinitrophenol	<58.5	ug/kg	195	58.5	1	10/16/15 13:41	10/19/15 17:32	51-28-5	
2,4-Dinitrotoluene	<27.5	ug/kg	91.5	27.5	1	10/16/15 13:41	10/19/15 17:32	121-14-2	
2,6-Dinitrotoluene	<36.5	ug/kg	122	36.5	1	10/16/15 13:41	10/19/15 17:32	606-20-2	
Di-n-octylphthalate	<43.2	ug/kg	144	43.2	1	10/16/15 13:41	10/19/15 17:32	117-84-0	
bis(2-Ethylhexyl)phthalate	<31.9	ug/kg	106	31.9	1	10/16/15 13:41	10/19/15 17:32	117-81-7	
Fluoranthene	<27.2	ug/kg	90.6	27.2	1	10/16/15 13:41	10/19/15 17:32	206-44-0	
Fluorene	<22.4	ug/kg	74.8	22.4	1	10/16/15 13:41	10/19/15 17:32	86-73-7	
Hexachloro-1,3-butadiene	<48.9	ug/kg	163	48.9	1	10/16/15 13:41	10/19/15 17:32	87-68-3	
Hexachlorobenzene	<32.3	ug/kg	108	32.3	1	10/16/15 13:41	10/19/15 17:32	118-74-1	
Hexachlorocyclopentadiene	<45.4	ug/kg	151	45.4	1	10/16/15 13:41	10/19/15 17:32	77-47-4	
Hexachloroethane	<30.7	ug/kg	102	30.7	1	10/16/15 13:41	10/19/15 17:32	67-72-1	
Indeno(1,2,3-cd)pyrene	<41.6	ug/kg	139	41.6	1	10/16/15 13:41	10/19/15 17:32	193-39-5	
Isophorone	<29.5	ug/kg	98.4	29.5	1	10/16/15 13:41	10/19/15 17:32	78-59-1	
2-Methylnaphthalene	<49.9	ug/kg	166	49.9	1	10/16/15 13:41	10/19/15 17:32	91-57-6	
2-Methylphenol(o-Cresol)	<34.9	ug/kg	116	34.9	1	10/16/15 13:41	10/19/15 17:32	95-48-7	
3&4-Methylphenol(m&p Cresol)	<35.2	ug/kg	117	35.2	1	10/16/15 13:41	10/19/15 17:32		
Naphthalene	<67.1	ug/kg	224	67.1	1	10/16/15 13:41	10/19/15 17:32	91-20-3	
2-Nitroaniline	<54.7	ug/kg	182	54.7	1	10/16/15 13:41	10/19/15 17:32	88-74-4	
3-Nitroaniline	<32.7	ug/kg	109	32.7	1	10/16/15 13:41	10/19/15 17:32	99-09-2	
4-Nitroaniline	<79.7	ug/kg	266	79.7	1	10/16/15 13:41	10/19/15 17:32	100-01-6	
Nitrobenzene	<38.9	ug/kg	130	38.9	1	10/16/15 13:41	10/19/15 17:32	98-95-3	
2-Nitrophenol	<60.6	ug/kg	202	60.6	1	10/16/15 13:41	10/19/15 17:32	88-75-5	
4-Nitrophenol	<48.4	ug/kg	161	48.4	1	10/16/15 13:41	10/19/15 17:32	100-02-7	
N-Nitroso-di-n-propylamine	<30.5	ug/kg	102	30.5	1	10/16/15 13:41	10/19/15 17:32	621-64-7	
N-Nitrosodiphenylamine	<261	ug/kg	869	261	1	10/16/15 13:41	10/19/15 17:32	86-30-6	
2,2'-Oxybis(1-chloropropane)	<49.5	ug/kg	165	49.5	1	10/16/15 13:41	10/19/15 17:32	108-60-1	
Pentachlorophenol	<42.3	ug/kg	141	42.3	1	10/16/15 13:41	10/19/15 17:32	87-86-5	
Phenanthrene	<24.6	ug/kg	82.1	24.6	1	10/16/15 13:41	10/19/15 17:32	85-01-8	
Phenol	<45.6	ug/kg	152	45.6	1	10/16/15 13:41	10/19/15 17:32	108-95-2	
Pyrene	<42.6	ug/kg	142	42.6	1	10/16/15 13:41	10/19/15 17:32	129-00-0	
1,2,4-Trichlorobenzene	<21.7	ug/kg	72.4	21.7	1	10/16/15 13:41	10/19/15 17:32	120-82-1	
2,4,5-Trichlorophenol	<33.9	ug/kg	113	33.9	1	10/16/15 13:41	10/19/15 17:32	95-95-4	
2,4,6-Trichlorophenol	<29.3	ug/kg	97.6	29.3	1	10/16/15 13:41	10/19/15 17:32	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	68	%	45-130		1	10/16/15 13:41	10/19/15 17:32	4165-60-0	
2-Fluorobiphenyl (S)	61	%	51-130		1	10/16/15 13:41	10/19/15 17:32	321-60-8	
Terphenyl-d14 (S)	64	%	37-134		1	10/16/15 13:41	10/19/15 17:32	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: M11-1 (0-5)-101415 Lab ID: 40122890014 Collected: 10/14/15 08:10 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Phenol-d6 (S)	55	%	36-130		1	10/16/15 13:41	10/19/15 17:32	13127-88-3	
2-Fluorophenol (S)	57	%	37-130		1	10/16/15 13:41	10/19/15 17:32	367-12-4	
2,4,6-Tribromophenol (S)	63	%	30-130		1	10/16/15 13:41	10/19/15 17:32	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.6	ug/kg	14.7	4.6	1	10/16/15 12:00	10/17/15 00:31	67-64-1	2q
Benzene	<1.2	ug/kg	3.7	1.2	1	10/16/15 12:00	10/17/15 00:31	71-43-2	
Bromodichloromethane	<0.80	ug/kg	3.7	0.80	1	10/16/15 12:00	10/17/15 00:31	75-27-4	
Bromoform	<0.62	ug/kg	3.7	0.62	1	10/16/15 12:00	10/17/15 00:31	75-25-2	
Bromomethane	<1.1	ug/kg	7.3	1.1	1	10/16/15 12:00	10/17/15 00:31	74-83-9	
2-Butanone (MEK)	<2.1	ug/kg	14.7	2.1	1	10/16/15 12:00	10/17/15 00:31	78-93-3	
Carbon disulfide	<0.95	ug/kg	3.7	0.95	1	10/16/15 12:00	10/17/15 00:31	75-15-0	
Carbon tetrachloride	<1.2	ug/kg	3.7	1.2	1	10/16/15 12:00	10/17/15 00:31	56-23-5	
Chlorobenzene	<1.2	ug/kg	3.7	1.2	1	10/16/15 12:00	10/17/15 00:31	108-90-7	
Chloroethane	<1.5	ug/kg	3.7	1.5	1	10/16/15 12:00	10/17/15 00:31	75-00-3	
Chloroform	<0.70	ug/kg	3.7	0.70	1	10/16/15 12:00	10/17/15 00:31	67-66-3	
Chloromethane	<0.41	ug/kg	3.7	0.41	1	10/16/15 12:00	10/17/15 00:31	74-87-3	
Dibromochloromethane	<1.3	ug/kg	3.7	1.3	1	10/16/15 12:00	10/17/15 00:31	124-48-1	
1,1-Dichloroethane	<1.7	ug/kg	3.7	1.7	1	10/16/15 12:00	10/17/15 00:31	75-34-3	
1,2-Dichloroethane	<0.72	ug/kg	3.7	0.72	1	10/16/15 12:00	10/17/15 00:31	107-06-2	
1,1-Dichloroethene	<1.7	ug/kg	3.7	1.7	1	10/16/15 12:00	10/17/15 00:31	75-35-4	
cis-1,2-Dichloroethene	<0.97	ug/kg	3.7	0.97	1	10/16/15 12:00	10/17/15 00:31	156-59-2	
trans-1,2-Dichloroethene	<0.91	ug/kg	3.7	0.91	1	10/16/15 12:00	10/17/15 00:31	156-60-5	
1,2-Dichloropropane	<0.93	ug/kg	3.7	0.93	1	10/16/15 12:00	10/17/15 00:31	78-87-5	
cis-1,3-Dichloropropene	<0.49	ug/kg	3.7	0.49	1	10/16/15 12:00	10/17/15 00:31	10061-01-5	
trans-1,3-Dichloropropene	<0.68	ug/kg	3.7	0.68	1	10/16/15 12:00	10/17/15 00:31	10061-02-6	
Ethylbenzene	<1.1	ug/kg	3.7	1.1	1	10/16/15 12:00	10/17/15 00:31	100-41-4	
2-Hexanone	<1.1	ug/kg	3.7	1.1	1	10/16/15 12:00	10/17/15 00:31	591-78-6	
Methylene Chloride	<1.4	ug/kg	3.7	1.4	1	10/16/15 12:00	10/17/15 00:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.90	ug/kg	3.7	0.90	1	10/16/15 12:00	10/17/15 00:31	108-10-1	
Methyl-tert-butyl ether	<0.74	ug/kg	3.7	0.74	1	10/16/15 12:00	10/17/15 00:31	1634-04-4	
Styrene	<0.56	ug/kg	3.7	0.56	1	10/16/15 12:00	10/17/15 00:31	100-42-5	
1,1,2,2-Tetrachloroethane	<1.5	ug/kg	3.7	1.5	1	10/16/15 12:00	10/17/15 00:31	79-34-5	
Tetrachloroethene	<1.2	ug/kg	3.7	1.2	1	10/16/15 12:00	10/17/15 00:31	127-18-4	
Toluene	<1.1	ug/kg	3.7	1.1	1	10/16/15 12:00	10/17/15 00:31	108-88-3	
1,1,1-Trichloroethane	<1.1	ug/kg	3.7	1.1	1	10/16/15 12:00	10/17/15 00:31	71-55-6	
1,1,2-Trichloroethane	<1.4	ug/kg	3.7	1.4	1	10/16/15 12:00	10/17/15 00:31	79-00-5	
Trichloroethene	<1.4	ug/kg	3.7	1.4	1	10/16/15 12:00	10/17/15 00:31	79-01-6	
Vinyl chloride	<0.40	ug/kg	3.7	0.40	1	10/16/15 12:00	10/17/15 00:31	75-01-4	
Xylene (Total)	<3.3	ug/kg	11.0	3.3	1	10/16/15 12:00	10/17/15 00:31	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	107	%	70-130		1	10/16/15 12:00	10/17/15 00:31	1868-53-7	
Toluene-d8 (S)	102	%	67-138		1	10/16/15 12:00	10/17/15 00:31	2037-26-5	
4-Bromofluorobenzene (S)	92	%	68-130		1	10/16/15 12:00	10/17/15 00:31	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: M11-1 (0-5)-101415 **Lab ID: 40122890014** Collected: 10/14/15 08:10 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	13.1	%	0.10	0.10	1		10/15/15 14:34		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	8.82	Std. Units	0.100	0.0100	1		10/16/15 17:00		H6

Revised 11/05/15 16:35

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: M11-1 (5-9)-101415 Lab ID: 40122890015 Collected: 10/14/15 08:15 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.45	mg/kg	0.90	0.45	1	10/20/15 07:41	10/20/15 19:36	7440-36-0	
Arsenic	2.8	mg/kg	0.90	0.45	1	10/20/15 07:41	10/20/15 19:36	7440-38-2	
Barium	9.4	mg/kg	0.90	0.45	1	10/20/15 07:41	10/20/15 19:36	7440-39-3	
Beryllium	<0.22	mg/kg	0.45	0.22	1	10/20/15 07:41	10/20/15 19:36	7440-41-7	
Cadmium	<0.22	mg/kg	0.45	0.22	1	10/20/15 07:41	10/20/15 19:36	7440-43-9	
Calcium	115000	mg/kg	896	448	20	10/20/15 07:41	10/21/15 17:43	7440-70-2	
Chromium	5.0	mg/kg	0.90	0.45	1	10/20/15 07:41	10/20/15 19:36	7440-47-3	
Cobalt	2.1	mg/kg	0.90	0.45	1	10/20/15 07:41	10/20/15 19:36	7440-48-4	
Copper	6.6	mg/kg	0.90	0.45	1	10/20/15 07:41	10/20/15 19:36	7440-50-8	
Iron	4940	mg/kg	44.8	22.4	1	10/20/15 07:41	10/20/15 19:36	7439-89-6	
Lead	2.5	mg/kg	0.90	0.45	1	10/20/15 07:41	10/20/15 19:36	7439-92-1	
Magnesium	69900	mg/kg	896	448	20	10/20/15 07:41	10/21/15 17:43	7439-95-4	
Manganese	221	mg/kg	0.90	0.45	1	10/20/15 07:41	10/20/15 19:36	7439-96-5	
Nickel	6.2	mg/kg	0.90	0.45	1	10/20/15 07:41	10/20/15 19:36	7440-02-0	
Potassium	801	mg/kg	44.8	22.4	1	10/20/15 07:41	10/20/15 19:36	7440-09-7	
Selenium	<0.45	mg/kg	0.90	0.45	1	10/20/15 07:41	10/20/15 19:36	7782-49-2	
Silver	<0.22	mg/kg	0.45	0.22	1	10/20/15 07:41	10/20/15 19:36	7440-22-4	
Sodium	167	mg/kg	44.8	22.4	1	10/20/15 07:41	10/20/15 19:36	7440-23-5	
Thallium	0.66J	mg/kg	0.90	0.45	1	10/20/15 07:41	10/20/15 19:36	7440-28-0	
Vanadium	7.2	mg/kg	0.90	0.45	1	10/20/15 07:41	10/20/15 19:36	7440-62-2	
Zinc	9.4	mg/kg	0.90	0.45	1	10/20/15 07:41	10/20/15 19:36	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Arsenic	<0.0029	mg/L	0.010	0.0029	1	10/28/15 06:51	10/29/15 03:07	7440-38-2	
Barium	0.0062J	mg/L	0.50	0.0033	1	10/28/15 06:51	10/29/15 03:07	7440-39-3	
Beryllium	<0.00031	mg/L	0.0040	0.00031	1	10/28/15 06:51	10/29/15 03:07	7440-41-7	
Cadmium	<0.00021	mg/L	0.0050	0.00021	1	10/28/15 06:51	10/29/15 03:07	7440-43-9	
Chromium	<0.0025	mg/L	0.010	0.0025	1	10/28/15 06:51	10/29/15 03:07	7440-47-3	
Cobalt	<0.00053	mg/L	0.010	0.00053	1	10/28/15 06:51	10/29/15 03:07	7440-48-4	
Copper	<0.0040	mg/L	0.010	0.0040	1	10/28/15 06:51	10/29/15 03:07	7440-50-8	
Iron	0.061J	mg/L	0.10	0.016	1	10/28/15 06:51	10/29/15 03:07	7439-89-6	
Lead	<0.0029	mg/L	0.010	0.0029	1	10/28/15 06:51	10/29/15 03:07	7439-92-1	
Manganese	<0.0010	mg/L	0.010	0.0010	1	10/28/15 06:51	10/29/15 03:07	7439-96-5	
Nickel	<0.00074	mg/L	0.010	0.00074	1	10/28/15 06:51	10/29/15 03:07	7440-02-0	
Selenium	<0.0033	mg/L	0.010	0.0033	1	10/28/15 06:51	10/29/15 03:07	7782-49-2	
Silver	<0.0033	mg/L	0.010	0.0033	1	10/28/15 06:51	10/29/15 03:07	7440-22-4	
Zinc	0.0032J	mg/L	0.020	0.0030	1	10/28/15 06:51	10/29/15 03:07	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/16/15 18:55

Arsenic	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:37	7440-38-2	
Barium	<0.25	mg/L	0.50	0.25	1	10/19/15 17:12	10/28/15 09:37	7440-39-3	
Beryllium	<0.0020	mg/L	0.0040	0.0020	1	10/19/15 17:12	10/28/15 09:37	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/19/15 17:12	10/28/15 09:37	7440-43-9	
Chromium	<0.0052	mg/L	0.010	0.0052	1	10/19/15 17:12	10/28/15 09:37	7440-47-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: M11-1 (5-9)-101415 Lab ID: 40122890015 Collected: 10/14/15 08:15 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/16/15 18:55									
Cobalt	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:37	7440-48-4	
Copper	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:37	7440-50-8	
Iron	<0.050	mg/L	0.10	0.050	1	10/19/15 17:12	10/28/15 09:37	7439-89-6	
Lead	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:37	7439-92-1	
Manganese	0.93	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:37	7439-96-5	
Nickel	0.0098J	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:37	7440-02-0	
Selenium	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:37	7782-49-2	
Silver	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:37	7440-22-4	
Zinc	<0.010	mg/L	0.020	0.010	1	10/19/15 17:12	10/28/15 09:37	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.33	ug/L	0.67	0.33	1	10/21/15 23:37	10/22/15 09:15	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/16/15 18:55									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/20/15 21:51	10/21/15 13:10	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.0050J	mg/kg	0.21	0.0042	1	10/19/15 22:51	10/20/15 13:06	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<62.2	ug/kg	207	62.2	1	10/16/15 13:41	10/19/15 17:53	83-32-9	
Acenaphthylene	<62.6	ug/kg	209	62.6	1	10/16/15 13:41	10/19/15 17:53	208-96-8	
Anthracene	<28.0	ug/kg	93.4	28.0	1	10/16/15 13:41	10/19/15 17:53	120-12-7	
Benzo(a)anthracene	<27.2	ug/kg	90.5	27.2	1	10/16/15 13:41	10/19/15 17:53	56-55-3	
Benzo(a)pyrene	<26.4	ug/kg	87.9	26.4	1	10/16/15 13:41	10/19/15 17:53	50-32-8	
Benzo(b)fluoranthene	<30.1	ug/kg	100	30.1	1	10/16/15 13:41	10/19/15 17:53	205-99-2	
Benzo(g,h,i)perylene	<45.9	ug/kg	153	45.9	1	10/16/15 13:41	10/19/15 17:53	191-24-2	
Benzo(k)fluoranthene	<42.0	ug/kg	140	42.0	1	10/16/15 13:41	10/19/15 17:53	207-08-9	
4-Bromophenylphenyl ether	<36.7	ug/kg	122	36.7	1	10/16/15 13:41	10/19/15 17:53	101-55-3	
Butylbenzylphthalate	<28.1	ug/kg	93.7	28.1	1	10/16/15 13:41	10/19/15 17:53	85-68-7	
Carbazole	<27.5	ug/kg	91.5	27.5	1	10/16/15 13:41	10/19/15 17:53	86-74-8	
4-Chloro-3-methylphenol	<54.6	ug/kg	182	54.6	1	10/16/15 13:41	10/19/15 17:53	59-50-7	
4-Chloroaniline	<28.8	ug/kg	96.1	28.8	1	10/16/15 13:41	10/19/15 17:53	106-47-8	
bis(2-Chloroethoxy)methane	<47.2	ug/kg	157	47.2	1	10/16/15 13:41	10/19/15 17:53	111-91-1	
bis(2-Chloroethyl) ether	<54.7	ug/kg	182	54.7	1	10/16/15 13:41	10/19/15 17:53	111-44-4	
2-Chloronaphthalene	<22.5	ug/kg	75.0	22.5	1	10/16/15 13:41	10/19/15 17:53	91-58-7	
2-Chlorophenol	<43.8	ug/kg	146	43.8	1	10/16/15 13:41	10/19/15 17:53	95-57-8	
4-Chlorophenylphenyl ether	<32.7	ug/kg	109	32.7	1	10/16/15 13:41	10/19/15 17:53	7005-72-3	
Chrysene	<26.2	ug/kg	87.4	26.2	1	10/16/15 13:41	10/19/15 17:53	218-01-9	
Dibenz(a,h)anthracene	<47.6	ug/kg	159	47.6	1	10/16/15 13:41	10/19/15 17:53	53-70-3	
Dibenzofuran	<21.2	ug/kg	70.8	21.2	1	10/16/15 13:41	10/19/15 17:53	132-64-9	
1,2-Dichlorobenzene	<55.1	ug/kg	184	55.1	1	10/16/15 13:41	10/19/15 17:53	95-50-1	
1,3-Dichlorobenzene	<24.3	ug/kg	80.9	24.3	1	10/16/15 13:41	10/19/15 17:53	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: M11-1 (5-9)-101415 **Lab ID: 40122890015** Collected: 10/14/15 08:15 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,4-Dichlorobenzene	<24.4	ug/kg	81.4	24.4	1	10/16/15 13:41	10/19/15 17:53	106-46-7	
3,3'-Dichlorobenzidine	<47.6	ug/kg	159	47.6	1	10/16/15 13:41	10/19/15 17:53	91-94-1	
2,4-Dichlorophenol	<46.9	ug/kg	156	46.9	1	10/16/15 13:41	10/19/15 17:53	120-83-2	
Diethylphthalate	<29.1	ug/kg	96.9	29.1	1	10/16/15 13:41	10/19/15 17:53	84-66-2	
2,4-Dimethylphenol	<34.7	ug/kg	116	34.7	1	10/16/15 13:41	10/19/15 17:53	105-67-9	
Dimethylphthalate	<22.8	ug/kg	76.0	22.8	1	10/16/15 13:41	10/19/15 17:53	131-11-3	
Di-n-butylphthalate	<26.2	ug/kg	87.4	26.2	1	10/16/15 13:41	10/19/15 17:53	84-74-2	
4,6-Dinitro-2-methylphenol	<54.0	ug/kg	180	54.0	1	10/16/15 13:41	10/19/15 17:53	534-52-1	
2,4-Dinitrophenol	<53.4	ug/kg	178	53.4	1	10/16/15 13:41	10/19/15 17:53	51-28-5	
2,4-Dinitrotoluene	<25.1	ug/kg	83.6	25.1	1	10/16/15 13:41	10/19/15 17:53	121-14-2	
2,6-Dinitrotoluene	<33.3	ug/kg	111	33.3	1	10/16/15 13:41	10/19/15 17:53	606-20-2	
Di-n-octylphthalate	<39.4	ug/kg	131	39.4	1	10/16/15 13:41	10/19/15 17:53	117-84-0	
bis(2-Ethylhexyl)phthalate	<29.2	ug/kg	97.2	29.2	1	10/16/15 13:41	10/19/15 17:53	117-81-7	
Fluoranthene	<24.8	ug/kg	82.7	24.8	1	10/16/15 13:41	10/19/15 17:53	206-44-0	
Fluorene	<20.5	ug/kg	68.3	20.5	1	10/16/15 13:41	10/19/15 17:53	86-73-7	
Hexachloro-1,3-butadiene	<44.7	ug/kg	149	44.7	1	10/16/15 13:41	10/19/15 17:53	87-68-3	
Hexachlorobenzene	<29.5	ug/kg	98.3	29.5	1	10/16/15 13:41	10/19/15 17:53	118-74-1	
Hexachlorocyclopentadiene	<41.5	ug/kg	138	41.5	1	10/16/15 13:41	10/19/15 17:53	77-47-4	
Hexachloroethane	<28.1	ug/kg	93.5	28.1	1	10/16/15 13:41	10/19/15 17:53	67-72-1	
Indeno(1,2,3-cd)pyrene	<37.9	ug/kg	126	37.9	1	10/16/15 13:41	10/19/15 17:53	193-39-5	
Isophorone	<27.0	ug/kg	89.9	27.0	1	10/16/15 13:41	10/19/15 17:53	78-59-1	
2-Methylnaphthalene	<45.5	ug/kg	152	45.5	1	10/16/15 13:41	10/19/15 17:53	91-57-6	
2-Methylphenol(o-Cresol)	<31.9	ug/kg	106	31.9	1	10/16/15 13:41	10/19/15 17:53	95-48-7	
3&4-Methylphenol(m&p Cresol)	<32.1	ug/kg	107	32.1	1	10/16/15 13:41	10/19/15 17:53		
Naphthalene	<61.3	ug/kg	204	61.3	1	10/16/15 13:41	10/19/15 17:53	91-20-3	
2-Nitroaniline	<50.0	ug/kg	167	50.0	1	10/16/15 13:41	10/19/15 17:53	88-74-4	
3-Nitroaniline	<29.8	ug/kg	99.4	29.8	1	10/16/15 13:41	10/19/15 17:53	99-09-2	
4-Nitroaniline	<72.8	ug/kg	243	72.8	1	10/16/15 13:41	10/19/15 17:53	100-01-6	
Nitrobenzene	<35.6	ug/kg	119	35.6	1	10/16/15 13:41	10/19/15 17:53	98-95-3	
2-Nitrophenol	<55.3	ug/kg	184	55.3	1	10/16/15 13:41	10/19/15 17:53	88-75-5	
4-Nitrophenol	<44.2	ug/kg	147	44.2	1	10/16/15 13:41	10/19/15 17:53	100-02-7	
N-Nitroso-di-n-propylamine	<27.8	ug/kg	92.7	27.8	1	10/16/15 13:41	10/19/15 17:53	621-64-7	
N-Nitrosodiphenylamine	<238	ug/kg	793	238	1	10/16/15 13:41	10/19/15 17:53	86-30-6	
2,2'-Oxybis(1-chloropropane)	<45.2	ug/kg	151	45.2	1	10/16/15 13:41	10/19/15 17:53	108-60-1	
Pentachlorophenol	<38.6	ug/kg	129	38.6	1	10/16/15 13:41	10/19/15 17:53	87-86-5	
Phenanthrene	<22.5	ug/kg	75.0	22.5	1	10/16/15 13:41	10/19/15 17:53	85-01-8	
Phenol	<41.6	ug/kg	139	41.6	1	10/16/15 13:41	10/19/15 17:53	108-95-2	
Pyrene	<38.9	ug/kg	130	38.9	1	10/16/15 13:41	10/19/15 17:53	129-00-0	
1,2,4-Trichlorobenzene	<19.8	ug/kg	66.1	19.8	1	10/16/15 13:41	10/19/15 17:53	120-82-1	
2,4,5-Trichlorophenol	<31.0	ug/kg	103	31.0	1	10/16/15 13:41	10/19/15 17:53	95-95-4	
2,4,6-Trichlorophenol	<26.7	ug/kg	89.1	26.7	1	10/16/15 13:41	10/19/15 17:53	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	79	%	45-130		1	10/16/15 13:41	10/19/15 17:53	4165-60-0	
2-Fluorobiphenyl (S)	72	%	51-130		1	10/16/15 13:41	10/19/15 17:53	321-60-8	
Terphenyl-d14 (S)	74	%	37-134		1	10/16/15 13:41	10/19/15 17:53	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: M11-1 (5-9)-101415 **Lab ID: 40122890015** Collected: 10/14/15 08:15 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Phenol-d6 (S)	66	%	36-130		1	10/16/15 13:41	10/19/15 17:53	13127-88-3	
2-Fluorophenol (S)	71	%	37-130		1	10/16/15 13:41	10/19/15 17:53	367-12-4	
2,4,6-Tribromophenol (S)	74	%	30-130		1	10/16/15 13:41	10/19/15 17:53	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.1	ug/kg	13.3	4.1	1	10/16/15 12:00	10/17/15 00:53	67-64-1	2q
Benzene	<1.1	ug/kg	3.3	1.1	1	10/16/15 12:00	10/17/15 00:53	71-43-2	
Bromodichloromethane	<0.73	ug/kg	3.3	0.73	1	10/16/15 12:00	10/17/15 00:53	75-27-4	
Bromoform	<0.56	ug/kg	3.3	0.56	1	10/16/15 12:00	10/17/15 00:53	75-25-2	
Bromomethane	<0.99	ug/kg	6.6	0.99	1	10/16/15 12:00	10/17/15 00:53	74-83-9	
2-Butanone (MEK)	<1.9	ug/kg	13.3	1.9	1	10/16/15 12:00	10/17/15 00:53	78-93-3	
Carbon disulfide	<0.86	ug/kg	3.3	0.86	1	10/16/15 12:00	10/17/15 00:53	75-15-0	
Carbon tetrachloride	<1.1	ug/kg	3.3	1.1	1	10/16/15 12:00	10/17/15 00:53	56-23-5	
Chlorobenzene	<1.1	ug/kg	3.3	1.1	1	10/16/15 12:00	10/17/15 00:53	108-90-7	
Chloroethane	<1.3	ug/kg	3.3	1.3	1	10/16/15 12:00	10/17/15 00:53	75-00-3	
Chloroform	<0.63	ug/kg	3.3	0.63	1	10/16/15 12:00	10/17/15 00:53	67-66-3	
Chloromethane	<0.37	ug/kg	3.3	0.37	1	10/16/15 12:00	10/17/15 00:53	74-87-3	
Dibromochloromethane	<1.1	ug/kg	3.3	1.1	1	10/16/15 12:00	10/17/15 00:53	124-48-1	
1,1-Dichloroethane	<1.6	ug/kg	3.3	1.6	1	10/16/15 12:00	10/17/15 00:53	75-34-3	
1,2-Dichloroethane	<0.65	ug/kg	3.3	0.65	1	10/16/15 12:00	10/17/15 00:53	107-06-2	
1,1-Dichloroethene	<1.5	ug/kg	3.3	1.5	1	10/16/15 12:00	10/17/15 00:53	75-35-4	
cis-1,2-Dichloroethene	<0.88	ug/kg	3.3	0.88	1	10/16/15 12:00	10/17/15 00:53	156-59-2	
trans-1,2-Dichloroethene	<0.82	ug/kg	3.3	0.82	1	10/16/15 12:00	10/17/15 00:53	156-60-5	
1,2-Dichloropropane	<0.84	ug/kg	3.3	0.84	1	10/16/15 12:00	10/17/15 00:53	78-87-5	
cis-1,3-Dichloropropene	<0.44	ug/kg	3.3	0.44	1	10/16/15 12:00	10/17/15 00:53	10061-01-5	
trans-1,3-Dichloropropene	<0.61	ug/kg	3.3	0.61	1	10/16/15 12:00	10/17/15 00:53	10061-02-6	
Ethylbenzene	<0.96	ug/kg	3.3	0.96	1	10/16/15 12:00	10/17/15 00:53	100-41-4	
2-Hexanone	<0.98	ug/kg	3.3	0.98	1	10/16/15 12:00	10/17/15 00:53	591-78-6	
Methylene Chloride	<1.2	ug/kg	3.3	1.2	1	10/16/15 12:00	10/17/15 00:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.81	ug/kg	3.3	0.81	1	10/16/15 12:00	10/17/15 00:53	108-10-1	
Methyl-tert-butyl ether	<0.67	ug/kg	3.3	0.67	1	10/16/15 12:00	10/17/15 00:53	1634-04-4	
Styrene	<0.50	ug/kg	3.3	0.50	1	10/16/15 12:00	10/17/15 00:53	100-42-5	
1,1,2,2-Tetrachloroethane	<1.4	ug/kg	3.3	1.4	1	10/16/15 12:00	10/17/15 00:53	79-34-5	
Tetrachloroethene	<1.0	ug/kg	3.3	1.0	1	10/16/15 12:00	10/17/15 00:53	127-18-4	
Toluene	<0.99	ug/kg	3.3	0.99	1	10/16/15 12:00	10/17/15 00:53	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/kg	3.3	1.0	1	10/16/15 12:00	10/17/15 00:53	71-55-6	
1,1,2-Trichloroethane	<1.3	ug/kg	3.3	1.3	1	10/16/15 12:00	10/17/15 00:53	79-00-5	
Trichloroethene	<1.3	ug/kg	3.3	1.3	1	10/16/15 12:00	10/17/15 00:53	79-01-6	
Vinyl chloride	<0.36	ug/kg	3.3	0.36	1	10/16/15 12:00	10/17/15 00:53	75-01-4	
Xylene (Total)	<3.0	ug/kg	10	3.0	1	10/16/15 12:00	10/17/15 00:53	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	102	%	70-130		1	10/16/15 12:00	10/17/15 00:53	1868-53-7	
Toluene-d8 (S)	101	%	67-138		1	10/16/15 12:00	10/17/15 00:53	2037-26-5	
4-Bromofluorobenzene (S)	89	%	68-130		1	10/16/15 12:00	10/17/15 00:53	460-00-4	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: M11-1 (5-9)-101415 **Lab ID: 40122890015** Collected: 10/14/15 08:15 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	4.8	%	0.10	0.10	1		10/15/15 14:34		
9045 pH Soil									
Analytical Method: EPA 9045									
pH at 25 Degrees C	8.66	Std. Units	0.100	0.0100	1		10/16/15 17:00		H6

Revised 11/05/15 16:35

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: M11-2 (0-5)-101415 Lab ID: 40122890016 Collected: 10/14/15 08:38 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.50	mg/kg	1.0	0.50	1	10/20/15 07:41	10/20/15 19:38	7440-36-0	
Arsenic	10.2	mg/kg	1.0	0.50	1	10/20/15 07:41	10/20/15 19:38	7440-38-2	
Barium	65.0	mg/kg	1.0	0.50	1	10/20/15 07:41	10/20/15 19:38	7440-39-3	
Beryllium	0.85	mg/kg	0.50	0.25	1	10/20/15 07:41	10/20/15 19:38	7440-41-7	
Cadmium	<0.25	mg/kg	0.50	0.25	1	10/20/15 07:41	10/20/15 19:38	7440-43-9	
Calcium	4670	mg/kg	50.1	25.0	1	10/20/15 07:41	10/20/15 19:38	7440-70-2	
Chromium	27.6	mg/kg	1.0	0.50	1	10/20/15 07:41	10/20/15 19:38	7440-47-3	
Cobalt	9.3	mg/kg	1.0	0.50	1	10/20/15 07:41	10/20/15 19:38	7440-48-4	
Copper	22.5	mg/kg	1.0	0.50	1	10/20/15 07:41	10/20/15 19:38	7440-50-8	
Iron	33300	mg/kg	1000	501	20	10/20/15 07:41	10/20/15 22:46	7439-89-6	
Lead	14.4	mg/kg	1.0	0.50	1	10/20/15 07:41	10/20/15 19:38	7439-92-1	
Magnesium	4370	mg/kg	50.1	25.0	1	10/20/15 07:41	10/20/15 19:38	7439-95-4	
Manganese	363	mg/kg	1.0	0.50	1	10/20/15 07:41	10/20/15 19:38	7439-96-5	
Nickel	23.9	mg/kg	1.0	0.50	1	10/20/15 07:41	10/20/15 19:38	7440-02-0	
Potassium	1760	mg/kg	50.1	25.0	1	10/20/15 07:41	10/20/15 19:38	7440-09-7	
Selenium	<10.0	mg/kg	20.0	10.0	20	10/20/15 07:41	10/20/15 22:46	7782-49-2	D3
Silver	<0.25	mg/kg	0.50	0.25	1	10/20/15 07:41	10/20/15 19:38	7440-22-4	
Sodium	1190	mg/kg	50.1	25.0	1	10/20/15 07:41	10/20/15 19:38	7440-23-5	
Thallium	1.1	mg/kg	1.0	0.50	1	10/20/15 07:41	10/20/15 19:38	7440-28-0	
Vanadium	45.7	mg/kg	1.0	0.50	1	10/20/15 07:41	10/20/15 19:38	7440-62-2	
Zinc	45.0	mg/kg	1.0	0.50	1	10/20/15 07:41	10/20/15 19:38	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Arsenic	0.041	mg/L	0.010	0.0029	1	10/28/15 06:51	10/29/15 03:21	7440-38-2	
Barium	0.70	mg/L	0.50	0.0033	1	10/28/15 06:51	10/29/15 03:21	7440-39-3	
Beryllium	0.0049	mg/L	0.0040	0.00031	1	10/28/15 06:51	10/29/15 03:21	7440-41-7	
Cadmium	0.0010J	mg/L	0.0050	0.00021	1	10/28/15 06:51	10/29/15 03:21	7440-43-9	
Chromium	0.13	mg/L	0.010	0.0025	1	10/28/15 06:51	10/29/15 03:21	7440-47-3	
Cobalt	0.034	mg/L	0.010	0.00053	1	10/28/15 06:51	10/29/15 03:21	7440-48-4	
Copper	0.12	mg/L	0.010	0.0040	1	10/28/15 06:51	10/29/15 03:21	7440-50-8	
Iron	128	mg/L	0.10	0.016	1	10/28/15 06:51	10/29/15 03:21	7439-89-6	
Lead	0.073	mg/L	0.010	0.0029	1	10/28/15 06:51	10/29/15 03:21	7439-92-1	
Manganese	1.5	mg/L	0.010	0.0010	1	10/28/15 06:51	10/29/15 03:21	7439-96-5	
Nickel	0.11	mg/L	0.010	0.00074	1	10/28/15 06:51	10/29/15 03:21	7440-02-0	
Selenium	0.0088J	mg/L	0.010	0.0033	1	10/28/15 06:51	10/29/15 03:21	7782-49-2	
Silver	<0.0033	mg/L	0.010	0.0033	1	10/28/15 06:51	10/29/15 03:21	7440-22-4	
Zinc	0.31	mg/L	0.020	0.0030	1	10/28/15 06:51	10/29/15 03:21	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/16/15 18:55

Arsenic	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:39	7440-38-2	
Barium	0.41J	mg/L	0.50	0.25	1	10/19/15 17:12	10/28/15 09:39	7440-39-3	
Beryllium	<0.0020	mg/L	0.0040	0.0020	1	10/19/15 17:12	10/28/15 09:39	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/19/15 17:12	10/28/15 09:39	7440-43-9	
Chromium	<0.0052	mg/L	0.010	0.0052	1	10/19/15 17:12	10/28/15 09:39	7440-47-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: M11-2 (0-5)-101415 Lab ID: 40122890016 Collected: 10/14/15 08:38 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/16/15 18:55									
Cobalt	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:39	7440-48-4	
Copper	0.0052J	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:39	7440-50-8	
Iron	<0.050	mg/L	0.10	0.050	1	10/19/15 17:12	10/28/15 09:39	7439-89-6	
Lead	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:39	7439-92-1	
Manganese	0.024	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:39	7439-96-5	
Nickel	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:39	7440-02-0	
Selenium	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:39	7782-49-2	
Silver	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:39	7440-22-4	
Zinc	<0.010	mg/L	0.020	0.010	1	10/19/15 17:12	10/28/15 09:39	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.33	ug/L	0.67	0.33	1	10/21/15 23:37	10/22/15 09:17	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/16/15 18:55									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/20/15 21:51	10/21/15 13:12	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.023J	mg/kg	0.25	0.0050	1	10/19/15 22:51	10/20/15 13:08	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<69.1	ug/kg	230	69.1	1	10/16/15 13:41	10/20/15 15:24	83-32-9	
Acenaphthylene	<69.5	ug/kg	232	69.5	1	10/16/15 13:41	10/20/15 15:24	208-96-8	
Anthracene	<31.2	ug/kg	104	31.2	1	10/16/15 13:41	10/20/15 15:24	120-12-7	
Benzo(a)anthracene	69.4J	ug/kg	101	30.2	1	10/16/15 13:41	10/20/15 15:24	56-55-3	
Benzo(a)pyrene	69.4J	ug/kg	97.8	29.3	1	10/16/15 13:41	10/20/15 15:24	50-32-8	
Benzo(b)fluoranthene	85.9J	ug/kg	112	33.5	1	10/16/15 13:41	10/20/15 15:24	205-99-2	
Benzo(g,h,i)perylene	70.4J	ug/kg	170	51.0	1	10/16/15 13:41	10/20/15 15:24	191-24-2	
Benzo(k)fluoranthene	79.0J	ug/kg	156	46.7	1	10/16/15 13:41	10/20/15 15:24	207-08-9	
4-Bromophenylphenyl ether	<40.8	ug/kg	136	40.8	1	10/16/15 13:41	10/20/15 15:24	101-55-3	
Butylbenzylphthalate	<31.3	ug/kg	104	31.3	1	10/16/15 13:41	10/20/15 15:24	85-68-7	
Carbazole	<30.5	ug/kg	102	30.5	1	10/16/15 13:41	10/20/15 15:24	86-74-8	
4-Chloro-3-methylphenol	<60.7	ug/kg	202	60.7	1	10/16/15 13:41	10/20/15 15:24	59-50-7	
4-Chloroaniline	<32.0	ug/kg	107	32.0	1	10/16/15 13:41	10/20/15 15:24	106-47-8	
bis(2-Chloroethoxy)methane	<52.5	ug/kg	175	52.5	1	10/16/15 13:41	10/20/15 15:24	111-91-1	
bis(2-Chloroethyl) ether	<60.9	ug/kg	203	60.9	1	10/16/15 13:41	10/20/15 15:24	111-44-4	
2-Chloronaphthalene	<25.0	ug/kg	83.4	25.0	1	10/16/15 13:41	10/20/15 15:24	91-58-7	
2-Chlorophenol	<48.7	ug/kg	162	48.7	1	10/16/15 13:41	10/20/15 15:24	95-57-8	
4-Chlorophenylphenyl ether	<36.3	ug/kg	121	36.3	1	10/16/15 13:41	10/20/15 15:24	7005-72-3	
Chrysene	96.4J	ug/kg	97.1	29.1	1	10/16/15 13:41	10/20/15 15:24	218-01-9	
Dibenz(a,h)anthracene	<52.9	ug/kg	176	52.9	1	10/16/15 13:41	10/20/15 15:24	53-70-3	
Dibenzofuran	<23.6	ug/kg	78.6	23.6	1	10/16/15 13:41	10/20/15 15:24	132-64-9	
1,2-Dichlorobenzene	<61.3	ug/kg	204	61.3	1	10/16/15 13:41	10/20/15 15:24	95-50-1	
1,3-Dichlorobenzene	<27.0	ug/kg	90.0	27.0	1	10/16/15 13:41	10/20/15 15:24	541-73-1	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: M11-2 (0-5)-101415 **Lab ID: 40122890016** Collected: 10/14/15 08:38 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,4-Dichlorobenzene	<27.2	ug/kg	90.5	27.2	1	10/16/15 13:41	10/20/15 15:24	106-46-7	
3,3'-Dichlorobenzidine	<52.9	ug/kg	176	52.9	1	10/16/15 13:41	10/20/15 15:24	91-94-1	
2,4-Dichlorophenol	<52.1	ug/kg	174	52.1	1	10/16/15 13:41	10/20/15 15:24	120-83-2	
Diethylphthalate	<32.3	ug/kg	108	32.3	1	10/16/15 13:41	10/20/15 15:24	84-66-2	
2,4-Dimethylphenol	<38.5	ug/kg	128	38.5	1	10/16/15 13:41	10/20/15 15:24	105-67-9	
Dimethylphthalate	<25.4	ug/kg	84.5	25.4	1	10/16/15 13:41	10/20/15 15:24	131-11-3	
Di-n-butylphthalate	<29.1	ug/kg	97.1	29.1	1	10/16/15 13:41	10/20/15 15:24	84-74-2	
4,6-Dinitro-2-methylphenol	<60.1	ug/kg	200	60.1	1	10/16/15 13:41	10/20/15 15:24	534-52-1	
2,4-Dinitrophenol	<59.4	ug/kg	198	59.4	1	10/16/15 13:41	10/20/15 15:24	51-28-5	
2,4-Dinitrotoluene	<27.9	ug/kg	92.9	27.9	1	10/16/15 13:41	10/20/15 15:24	121-14-2	
2,6-Dinitrotoluene	<37.0	ug/kg	123	37.0	1	10/16/15 13:41	10/20/15 15:24	606-20-2	
Di-n-octylphthalate	<43.8	ug/kg	146	43.8	1	10/16/15 13:41	10/20/15 15:24	117-84-0	
bis(2-Ethylhexyl)phthalate	<32.4	ug/kg	108	32.4	1	10/16/15 13:41	10/20/15 15:24	117-81-7	
Fluoranthene	115	ug/kg	91.9	27.6	1	10/16/15 13:41	10/20/15 15:24	206-44-0	
Fluorene	<22.8	ug/kg	75.9	22.8	1	10/16/15 13:41	10/20/15 15:24	86-73-7	
Hexachloro-1,3-butadiene	<49.7	ug/kg	166	49.7	1	10/16/15 13:41	10/20/15 15:24	87-68-3	
Hexachlorobenzene	<32.8	ug/kg	109	32.8	1	10/16/15 13:41	10/20/15 15:24	118-74-1	
Hexachlorocyclopentadiene	<46.1	ug/kg	154	46.1	1	10/16/15 13:41	10/20/15 15:24	77-47-4	
Hexachloroethane	<31.2	ug/kg	104	31.2	1	10/16/15 13:41	10/20/15 15:24	67-72-1	
Indeno(1,2,3-cd)pyrene	78.6J	ug/kg	141	42.2	1	10/16/15 13:41	10/20/15 15:24	193-39-5	
Isophorone	<30.0	ug/kg	99.9	30.0	1	10/16/15 13:41	10/20/15 15:24	78-59-1	
2-Methylnaphthalene	<50.6	ug/kg	169	50.6	1	10/16/15 13:41	10/20/15 15:24	91-57-6	
2-Methylphenol(o-Cresol)	<35.4	ug/kg	118	35.4	1	10/16/15 13:41	10/20/15 15:24	95-48-7	
3&4-Methylphenol(m&p Cresol)	<35.7	ug/kg	119	35.7	1	10/16/15 13:41	10/20/15 15:24		
Naphthalene	<68.2	ug/kg	227	68.2	1	10/16/15 13:41	10/20/15 15:24	91-20-3	
2-Nitroaniline	<55.5	ug/kg	185	55.5	1	10/16/15 13:41	10/20/15 15:24	88-74-4	
3-Nitroaniline	<33.1	ug/kg	110	33.1	1	10/16/15 13:41	10/20/15 15:24	99-09-2	
4-Nitroaniline	<80.9	ug/kg	270	80.9	1	10/16/15 13:41	10/20/15 15:24	100-01-6	
Nitrobenzene	<39.5	ug/kg	132	39.5	1	10/16/15 13:41	10/20/15 15:24	98-95-3	
2-Nitrophenol	<61.5	ug/kg	205	61.5	1	10/16/15 13:41	10/20/15 15:24	88-75-5	
4-Nitrophenol	<49.1	ug/kg	164	49.1	1	10/16/15 13:41	10/20/15 15:24	100-02-7	
N-Nitroso-di-n-propylamine	<30.9	ug/kg	103	30.9	1	10/16/15 13:41	10/20/15 15:24	621-64-7	
N-Nitrosodiphenylamine	<264	ug/kg	882	264	1	10/16/15 13:41	10/20/15 15:24	86-30-6	
2,2'-Oxybis(1-chloropropane)	<50.3	ug/kg	168	50.3	1	10/16/15 13:41	10/20/15 15:24	108-60-1	
Pentachlorophenol	<42.9	ug/kg	143	42.9	1	10/16/15 13:41	10/20/15 15:24	87-86-5	
Phenanthrene	62.7J	ug/kg	83.4	25.0	1	10/16/15 13:41	10/20/15 15:24	85-01-8	
Phenol	<46.3	ug/kg	154	46.3	1	10/16/15 13:41	10/20/15 15:24	108-95-2	
Pyrene	230	ug/kg	144	43.2	1	10/16/15 13:41	10/20/15 15:24	129-00-0	
1,2,4-Trichlorobenzene	<22.0	ug/kg	73.5	22.0	1	10/16/15 13:41	10/20/15 15:24	120-82-1	
2,4,5-Trichlorophenol	<34.4	ug/kg	115	34.4	1	10/16/15 13:41	10/20/15 15:24	95-95-4	
2,4,6-Trichlorophenol	<29.7	ug/kg	99.1	29.7	1	10/16/15 13:41	10/20/15 15:24	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	69	%	45-130		1	10/16/15 13:41	10/20/15 15:24	4165-60-0	
2-Fluorobiphenyl (S)	72	%	51-130		1	10/16/15 13:41	10/20/15 15:24	321-60-8	
Terphenyl-d14 (S)	170	%	37-134		1	10/16/15 13:41	10/20/15 15:24	1718-51-0	S0

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: M11-2 (0-5)-101415 **Lab ID: 40122890016** Collected: 10/14/15 08:38 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Phenol-d6 (S)	75	%	36-130		1	10/16/15 13:41	10/20/15 15:24	13127-88-3	
2-Fluorophenol (S)	62	%	37-130		1	10/16/15 13:41	10/20/15 15:24	367-12-4	
2,4,6-Tribromophenol (S)	79	%	30-130		1	10/16/15 13:41	10/20/15 15:24	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.9	ug/kg	15.9	4.9	1	10/16/15 12:00	10/17/15 01:16	67-64-1	2q
Benzene	<1.3	ug/kg	4.0	1.3	1	10/16/15 12:00	10/17/15 01:16	71-43-2	
Bromodichloromethane	<0.87	ug/kg	4.0	0.87	1	10/16/15 12:00	10/17/15 01:16	75-27-4	
Bromoform	<0.67	ug/kg	4.0	0.67	1	10/16/15 12:00	10/17/15 01:16	75-25-2	
Bromomethane	<1.2	ug/kg	7.9	1.2	1	10/16/15 12:00	10/17/15 01:16	74-83-9	
2-Butanone (MEK)	<2.3	ug/kg	15.9	2.3	1	10/16/15 12:00	10/17/15 01:16	78-93-3	
Carbon disulfide	<1.0	ug/kg	4.0	1.0	1	10/16/15 12:00	10/17/15 01:16	75-15-0	
Carbon tetrachloride	<1.3	ug/kg	4.0	1.3	1	10/16/15 12:00	10/17/15 01:16	56-23-5	
Chlorobenzene	<1.3	ug/kg	4.0	1.3	1	10/16/15 12:00	10/17/15 01:16	108-90-7	
Chloroethane	<1.6	ug/kg	4.0	1.6	1	10/16/15 12:00	10/17/15 01:16	75-00-3	
Chloroform	<0.75	ug/kg	4.0	0.75	1	10/16/15 12:00	10/17/15 01:16	67-66-3	
Chloromethane	<0.45	ug/kg	4.0	0.45	1	10/16/15 12:00	10/17/15 01:16	74-87-3	
Dibromochloromethane	<1.4	ug/kg	4.0	1.4	1	10/16/15 12:00	10/17/15 01:16	124-48-1	
1,1-Dichloroethane	<1.9	ug/kg	4.0	1.9	1	10/16/15 12:00	10/17/15 01:16	75-34-3	
1,2-Dichloroethane	<0.78	ug/kg	4.0	0.78	1	10/16/15 12:00	10/17/15 01:16	107-06-2	
1,1-Dichloroethene	<1.8	ug/kg	4.0	1.8	1	10/16/15 12:00	10/17/15 01:16	75-35-4	
cis-1,2-Dichloroethene	<1.1	ug/kg	4.0	1.1	1	10/16/15 12:00	10/17/15 01:16	156-59-2	
trans-1,2-Dichloroethene	<0.98	ug/kg	4.0	0.98	1	10/16/15 12:00	10/17/15 01:16	156-60-5	
1,2-Dichloropropane	<1.0	ug/kg	4.0	1.0	1	10/16/15 12:00	10/17/15 01:16	78-87-5	
cis-1,3-Dichloropropene	<0.53	ug/kg	4.0	0.53	1	10/16/15 12:00	10/17/15 01:16	10061-01-5	
trans-1,3-Dichloropropene	<0.73	ug/kg	4.0	0.73	1	10/16/15 12:00	10/17/15 01:16	10061-02-6	
Ethylbenzene	<1.1	ug/kg	4.0	1.1	1	10/16/15 12:00	10/17/15 01:16	100-41-4	
2-Hexanone	<1.2	ug/kg	4.0	1.2	1	10/16/15 12:00	10/17/15 01:16	591-78-6	
Methylene Chloride	<1.5	ug/kg	4.0	1.5	1	10/16/15 12:00	10/17/15 01:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.97	ug/kg	4.0	0.97	1	10/16/15 12:00	10/17/15 01:16	108-10-1	
Methyl-tert-butyl ether	<0.80	ug/kg	4.0	0.80	1	10/16/15 12:00	10/17/15 01:16	1634-04-4	
Styrene	<0.60	ug/kg	4.0	0.60	1	10/16/15 12:00	10/17/15 01:16	100-42-5	
1,1,1,2-Tetrachloroethane	<1.6	ug/kg	4.0	1.6	1	10/16/15 12:00	10/17/15 01:16	79-34-5	
Tetrachloroethene	<1.2	ug/kg	4.0	1.2	1	10/16/15 12:00	10/17/15 01:16	127-18-4	
Toluene	<1.2	ug/kg	4.0	1.2	1	10/16/15 12:00	10/17/15 01:16	108-88-3	
1,1,1-Trichloroethane	<1.2	ug/kg	4.0	1.2	1	10/16/15 12:00	10/17/15 01:16	71-55-6	
1,1,2-Trichloroethane	<1.5	ug/kg	4.0	1.5	1	10/16/15 12:00	10/17/15 01:16	79-00-5	
Trichloroethene	<1.5	ug/kg	4.0	1.5	1	10/16/15 12:00	10/17/15 01:16	79-01-6	
Vinyl chloride	<0.43	ug/kg	4.0	0.43	1	10/16/15 12:00	10/17/15 01:16	75-01-4	
Xylene (Total)	<3.6	ug/kg	11.9	3.6	1	10/16/15 12:00	10/17/15 01:16	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	108	%	70-130		1	10/16/15 12:00	10/17/15 01:16	1868-53-7	
Toluene-d8 (S)	97	%	67-138		1	10/16/15 12:00	10/17/15 01:16	2037-26-5	
4-Bromofluorobenzene (S)	92	%	68-130		1	10/16/15 12:00	10/17/15 01:16	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: M11-2 (0-5)-101415 **Lab ID: 40122890016** Collected: 10/14/15 08:38 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	14.4	%	0.10	0.10	1		10/15/15 14:34		
9045 pH Soil									
Analytical Method: EPA 9045									
pH at 25 Degrees C	8.60	Std. Units	0.100	0.0100	1		10/16/15 17:00		H6

Revised 11/05/15 16:35

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: M11-2 (5-9)-101415 Lab ID: 40122890017 Collected: 10/14/15 08:42 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.52	mg/kg	1.0	0.52	1	10/20/15 07:41	10/20/15 19:45	7440-36-0	
Arsenic	2.4	mg/kg	1.0	0.52	1	10/20/15 07:41	10/20/15 19:45	7440-38-2	
Barium	13.3	mg/kg	1.0	0.52	1	10/20/15 07:41	10/20/15 19:45	7440-39-3	
Beryllium	<0.26	mg/kg	0.52	0.26	1	10/20/15 07:41	10/20/15 19:45	7440-41-7	
Cadmium	<0.26	mg/kg	0.52	0.26	1	10/20/15 07:41	10/20/15 19:45	7440-43-9	
Calcium	103000	mg/kg	1030	516	20	10/20/15 07:41	10/20/15 22:48	7440-70-2	
Chromium	5.7	mg/kg	1.0	0.52	1	10/20/15 07:41	10/20/15 19:45	7440-47-3	
Cobalt	1.9	mg/kg	1.0	0.52	1	10/20/15 07:41	10/20/15 19:45	7440-48-4	
Copper	7.4	mg/kg	1.0	0.52	1	10/20/15 07:41	10/20/15 19:45	7440-50-8	
Iron	6090	mg/kg	51.6	25.8	1	10/20/15 07:41	10/20/15 19:45	7439-89-6	
Lead	8.8	mg/kg	1.0	0.52	1	10/20/15 07:41	10/20/15 19:45	7439-92-1	
Magnesium	61000	mg/kg	1030	516	20	10/20/15 07:41	10/20/15 22:48	7439-95-4	
Manganese	263	mg/kg	1.0	0.52	1	10/20/15 07:41	10/20/15 19:45	7439-96-5	
Nickel	5.7	mg/kg	1.0	0.52	1	10/20/15 07:41	10/20/15 19:45	7440-02-0	
Potassium	614	mg/kg	51.6	25.8	1	10/20/15 07:41	10/20/15 19:45	7440-09-7	
Selenium	<0.52	mg/kg	1.0	0.52	1	10/20/15 07:41	10/20/15 19:45	7782-49-2	
Silver	<0.26	mg/kg	0.52	0.26	1	10/20/15 07:41	10/20/15 19:45	7440-22-4	
Sodium	317	mg/kg	51.6	25.8	1	10/20/15 07:41	10/20/15 19:45	7440-23-5	
Thallium	0.96J	mg/kg	1.0	0.52	1	10/20/15 07:41	10/20/15 19:45	7440-28-0	
Vanadium	8.6	mg/kg	1.0	0.52	1	10/20/15 07:41	10/20/15 19:45	7440-62-2	
Zinc	18.7	mg/kg	1.0	0.52	1	10/20/15 07:41	10/20/15 19:45	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Arsenic	<0.0029	mg/L	0.010	0.0029	1	10/28/15 06:51	10/29/15 03:23	7440-38-2	
Barium	0.0059J	mg/L	0.50	0.0033	1	10/28/15 06:51	10/29/15 03:23	7440-39-3	
Beryllium	<0.00031	mg/L	0.0040	0.00031	1	10/28/15 06:51	10/29/15 03:23	7440-41-7	
Cadmium	<0.00021	mg/L	0.0050	0.00021	1	10/28/15 06:51	10/29/15 03:23	7440-43-9	
Chromium	<0.0025	mg/L	0.010	0.0025	1	10/28/15 06:51	10/29/15 03:23	7440-47-3	
Cobalt	<0.00053	mg/L	0.010	0.00053	1	10/28/15 06:51	10/29/15 03:23	7440-48-4	
Copper	<0.0040	mg/L	0.010	0.0040	1	10/28/15 06:51	10/29/15 03:23	7440-50-8	
Iron	0.23	mg/L	0.10	0.016	1	10/28/15 06:51	10/29/15 03:23	7439-89-6	
Lead	<0.0029	mg/L	0.010	0.0029	1	10/28/15 06:51	10/29/15 03:23	7439-92-1	
Manganese	0.0024J	mg/L	0.010	0.0010	1	10/28/15 06:51	10/29/15 03:23	7439-96-5	
Nickel	<0.00074	mg/L	0.010	0.00074	1	10/28/15 06:51	10/29/15 03:23	7440-02-0	
Selenium	<0.0033	mg/L	0.010	0.0033	1	10/28/15 06:51	10/29/15 03:23	7782-49-2	
Silver	<0.0033	mg/L	0.010	0.0033	1	10/28/15 06:51	10/29/15 03:23	7440-22-4	
Zinc	<0.0030	mg/L	0.020	0.0030	1	10/28/15 06:51	10/29/15 03:23	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/16/15 18:55

Arsenic	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:41	7440-38-2	
Barium	<0.25	mg/L	0.50	0.25	1	10/19/15 17:12	10/28/15 09:41	7440-39-3	
Beryllium	<0.0020	mg/L	0.0040	0.0020	1	10/19/15 17:12	10/28/15 09:41	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/19/15 17:12	10/28/15 09:41	7440-43-9	
Chromium	<0.0052	mg/L	0.010	0.0052	1	10/19/15 17:12	10/28/15 09:41	7440-47-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: **M11-2 (5-9)-101415** Lab ID: **40122890017** Collected: 10/14/15 08:42 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/16/15 18:55									
Cobalt	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:41	7440-48-4	
Copper	0.0056J	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:41	7440-50-8	
Iron	<0.050	mg/L	0.10	0.050	1	10/19/15 17:12	10/28/15 09:41	7439-89-6	
Lead	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:41	7439-92-1	
Manganese	0.96	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:41	7439-96-5	
Nickel	0.0076J	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:41	7440-02-0	
Selenium	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:41	7782-49-2	
Silver	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:41	7440-22-4	
Zinc	0.064	mg/L	0.020	0.010	1	10/19/15 17:12	10/28/15 09:41	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.33	ug/L	0.67	0.33	1	10/21/15 23:37	10/22/15 09:19	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/16/15 18:55									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/20/15 21:51	10/21/15 13:22	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.0046J	mg/kg	0.23	0.0046	1	10/19/15 22:51	10/20/15 13:10	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<63.1	ug/kg	210	63.1	1	10/16/15 13:41	10/19/15 11:04	83-32-9	
Acenaphthylene	<63.5	ug/kg	212	63.5	1	10/16/15 13:41	10/19/15 11:04	208-96-8	
Anthracene	<28.5	ug/kg	94.8	28.5	1	10/16/15 13:41	10/19/15 11:04	120-12-7	
Benzo(a)anthracene	31.4J	ug/kg	91.9	27.6	1	10/16/15 13:41	10/19/15 11:04	56-55-3	
Benzo(a)pyrene	35.6J	ug/kg	89.3	26.8	1	10/16/15 13:41	10/19/15 11:04	50-32-8	
Benzo(b)fluoranthene	67.5J	ug/kg	102	30.6	1	10/16/15 13:41	10/19/15 11:04	205-99-2	
Benzo(g,h,i)perylene	<46.6	ug/kg	155	46.6	1	10/16/15 13:41	10/19/15 11:04	191-24-2	
Benzo(k)fluoranthene	<42.6	ug/kg	142	42.6	1	10/16/15 13:41	10/19/15 11:04	207-08-9	
4-Bromophenylphenyl ether	<37.3	ug/kg	124	37.3	1	10/16/15 13:41	10/19/15 11:04	101-55-3	
Butylbenzylphthalate	<28.6	ug/kg	95.2	28.6	1	10/16/15 13:41	10/19/15 11:04	85-68-7	
Carbazole	<27.9	ug/kg	92.9	27.9	1	10/16/15 13:41	10/19/15 11:04	86-74-8	
4-Chloro-3-methylphenol	<55.4	ug/kg	185	55.4	1	10/16/15 13:41	10/19/15 11:04	59-50-7	
4-Chloroaniline	<29.3	ug/kg	97.5	29.3	1	10/16/15 13:41	10/19/15 11:04	106-47-8	
bis(2-Chloroethoxy)methane	<47.9	ug/kg	160	47.9	1	10/16/15 13:41	10/19/15 11:04	111-91-1	
bis(2-Chloroethyl) ether	<55.6	ug/kg	185	55.6	1	10/16/15 13:41	10/19/15 11:04	111-44-4	
2-Chloronaphthalene	<22.9	ug/kg	76.2	22.9	1	10/16/15 13:41	10/19/15 11:04	91-58-7	
2-Chlorophenol	<44.4	ug/kg	148	44.4	1	10/16/15 13:41	10/19/15 11:04	95-57-8	
4-Chlorophenylphenyl ether	<33.2	ug/kg	111	33.2	1	10/16/15 13:41	10/19/15 11:04	7005-72-3	
Chrysene	36.5J	ug/kg	88.7	26.6	1	10/16/15 13:41	10/19/15 11:04	218-01-9	
Dibenz(a,h)anthracene	<48.4	ug/kg	161	48.4	1	10/16/15 13:41	10/19/15 11:04	53-70-3	
Dibenzofuran	<21.6	ug/kg	71.8	21.6	1	10/16/15 13:41	10/19/15 11:04	132-64-9	
1,2-Dichlorobenzene	<56.0	ug/kg	187	56.0	1	10/16/15 13:41	10/19/15 11:04	95-50-1	
1,3-Dichlorobenzene	<24.7	ug/kg	82.2	24.7	1	10/16/15 13:41	10/19/15 11:04	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: M11-2 (5-9)-101415 **Lab ID: 40122890017** Collected: 10/14/15 08:42 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,4-Dichlorobenzene	<24.8	ug/kg	82.7	24.8	1	10/16/15 13:41	10/19/15 11:04	106-46-7	
3,3'-Dichlorobenzidine	<48.3	ug/kg	161	48.3	1	10/16/15 13:41	10/19/15 11:04	91-94-1	
2,4-Dichlorophenol	<47.6	ug/kg	159	47.6	1	10/16/15 13:41	10/19/15 11:04	120-83-2	
Diethylphthalate	<29.5	ug/kg	98.4	29.5	1	10/16/15 13:41	10/19/15 11:04	84-66-2	
2,4-Dimethylphenol	<35.2	ug/kg	117	35.2	1	10/16/15 13:41	10/19/15 11:04	105-67-9	
Dimethylphthalate	<23.2	ug/kg	77.2	23.2	1	10/16/15 13:41	10/19/15 11:04	131-11-3	
Di-n-butylphthalate	<26.6	ug/kg	88.7	26.6	1	10/16/15 13:41	10/19/15 11:04	84-74-2	
4,6-Dinitro-2-methylphenol	<54.9	ug/kg	183	54.9	1	10/16/15 13:41	10/19/15 11:04	534-52-1	
2,4-Dinitrophenol	<54.2	ug/kg	181	54.2	1	10/16/15 13:41	10/19/15 11:04	51-28-5	
2,4-Dinitrotoluene	<25.5	ug/kg	84.9	25.5	1	10/16/15 13:41	10/19/15 11:04	121-14-2	
2,6-Dinitrotoluene	<33.8	ug/kg	113	33.8	1	10/16/15 13:41	10/19/15 11:04	606-20-2	
Di-n-octylphthalate	<40.0	ug/kg	133	40.0	1	10/16/15 13:41	10/19/15 11:04	117-84-0	
bis(2-Ethylhexyl)phthalate	<29.6	ug/kg	98.7	29.6	1	10/16/15 13:41	10/19/15 11:04	117-81-7	
Fluoranthene	56.1J	ug/kg	84.0	25.2	1	10/16/15 13:41	10/19/15 11:04	206-44-0	
Fluorene	<20.8	ug/kg	69.4	20.8	1	10/16/15 13:41	10/19/15 11:04	86-73-7	
Hexachloro-1,3-butadiene	<45.4	ug/kg	151	45.4	1	10/16/15 13:41	10/19/15 11:04	87-68-3	
Hexachlorobenzene	<29.9	ug/kg	99.8	29.9	1	10/16/15 13:41	10/19/15 11:04	118-74-1	
Hexachlorocyclopentadiene	<42.1	ug/kg	140	42.1	1	10/16/15 13:41	10/19/15 11:04	77-47-4	
Hexachloroethane	<28.5	ug/kg	95.0	28.5	1	10/16/15 13:41	10/19/15 11:04	67-72-1	
Indeno(1,2,3-cd)pyrene	<38.5	ug/kg	128	38.5	1	10/16/15 13:41	10/19/15 11:04	193-39-5	
Isophorone	<27.4	ug/kg	91.2	27.4	1	10/16/15 13:41	10/19/15 11:04	78-59-1	
2-Methylnaphthalene	<46.2	ug/kg	154	46.2	1	10/16/15 13:41	10/19/15 11:04	91-57-6	
2-Methylphenol(o-Cresol)	<32.3	ug/kg	108	32.3	1	10/16/15 13:41	10/19/15 11:04	95-48-7	
3&4-Methylphenol(m&p Cresol)	<32.6	ug/kg	109	32.6	1	10/16/15 13:41	10/19/15 11:04		
Naphthalene	<62.3	ug/kg	208	62.3	1	10/16/15 13:41	10/19/15 11:04	91-20-3	
2-Nitroaniline	<50.7	ug/kg	169	50.7	1	10/16/15 13:41	10/19/15 11:04	88-74-4	
3-Nitroaniline	<30.3	ug/kg	101	30.3	1	10/16/15 13:41	10/19/15 11:04	99-09-2	
4-Nitroaniline	<73.9	ug/kg	246	73.9	1	10/16/15 13:41	10/19/15 11:04	100-01-6	
Nitrobenzene	<36.1	ug/kg	120	36.1	1	10/16/15 13:41	10/19/15 11:04	98-95-3	
2-Nitrophenol	<56.2	ug/kg	187	56.2	1	10/16/15 13:41	10/19/15 11:04	88-75-5	
4-Nitrophenol	<44.8	ug/kg	149	44.8	1	10/16/15 13:41	10/19/15 11:04	100-02-7	
N-Nitroso-di-n-propylamine	<28.2	ug/kg	94.1	28.2	1	10/16/15 13:41	10/19/15 11:04	621-64-7	
N-Nitrosodiphenylamine	<242	ug/kg	805	242	1	10/16/15 13:41	10/19/15 11:04	86-30-6	
2,2'-Oxybis(1-chloropropane)	<45.9	ug/kg	153	45.9	1	10/16/15 13:41	10/19/15 11:04	108-60-1	
Pentachlorophenol	<39.2	ug/kg	131	39.2	1	10/16/15 13:41	10/19/15 11:04	87-86-5	
Phenanthrene	<22.8	ug/kg	76.1	22.8	1	10/16/15 13:41	10/19/15 11:04	85-01-8	
Phenol	<42.3	ug/kg	141	42.3	1	10/16/15 13:41	10/19/15 11:04	108-95-2	
Pyrene	50.8J	ug/kg	132	39.5	1	10/16/15 13:41	10/19/15 11:04	129-00-0	
1,2,4-Trichlorobenzene	<20.1	ug/kg	67.1	20.1	1	10/16/15 13:41	10/19/15 11:04	120-82-1	
2,4,5-Trichlorophenol	<31.4	ug/kg	105	31.4	1	10/16/15 13:41	10/19/15 11:04	95-95-4	
2,4,6-Trichlorophenol	<27.1	ug/kg	90.5	27.1	1	10/16/15 13:41	10/19/15 11:04	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	73	%	45-130		1	10/16/15 13:41	10/19/15 11:04	4165-60-0	
2-Fluorobiphenyl (S)	76	%	51-130		1	10/16/15 13:41	10/19/15 11:04	321-60-8	
Terphenyl-d14 (S)	83	%	37-134		1	10/16/15 13:41	10/19/15 11:04	1718-51-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: M11-2 (5-9)-101415 **Lab ID: 40122890017** Collected: 10/14/15 08:42 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Phenol-d6 (S)	69	%	36-130		1	10/16/15 13:41	10/19/15 11:04	13127-88-3	
2-Fluorophenol (S)	66	%	37-130		1	10/16/15 13:41	10/19/15 11:04	367-12-4	
2,4,6-Tribromophenol (S)	93	%	30-130		1	10/16/15 13:41	10/19/15 11:04	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.5	ug/kg	14.3	4.5	1	10/16/15 12:00	10/17/15 01:39	67-64-1	2q
Benzene	<1.2	ug/kg	3.6	1.2	1	10/16/15 12:00	10/17/15 01:39	71-43-2	
Bromodichloromethane	<0.78	ug/kg	3.6	0.78	1	10/16/15 12:00	10/17/15 01:39	75-27-4	
Bromoform	<0.61	ug/kg	3.6	0.61	1	10/16/15 12:00	10/17/15 01:39	75-25-2	
Bromomethane	<1.1	ug/kg	7.2	1.1	1	10/16/15 12:00	10/17/15 01:39	74-83-9	
2-Butanone (MEK)	<2.0	ug/kg	14.3	2.0	1	10/16/15 12:00	10/17/15 01:39	78-93-3	
Carbon disulfide	<0.92	ug/kg	3.6	0.92	1	10/16/15 12:00	10/17/15 01:39	75-15-0	
Carbon tetrachloride	<1.1	ug/kg	3.6	1.1	1	10/16/15 12:00	10/17/15 01:39	56-23-5	
Chlorobenzene	<1.1	ug/kg	3.6	1.1	1	10/16/15 12:00	10/17/15 01:39	108-90-7	
Chloroethane	<1.4	ug/kg	3.6	1.4	1	10/16/15 12:00	10/17/15 01:39	75-00-3	
Chloroform	<0.68	ug/kg	3.6	0.68	1	10/16/15 12:00	10/17/15 01:39	67-66-3	
Chloromethane	<0.40	ug/kg	3.6	0.40	1	10/16/15 12:00	10/17/15 01:39	74-87-3	
Dibromochloromethane	<1.2	ug/kg	3.6	1.2	1	10/16/15 12:00	10/17/15 01:39	124-48-1	
1,1-Dichloroethane	<1.7	ug/kg	3.6	1.7	1	10/16/15 12:00	10/17/15 01:39	75-34-3	
1,2-Dichloroethane	<0.70	ug/kg	3.6	0.70	1	10/16/15 12:00	10/17/15 01:39	107-06-2	
1,1-Dichloroethene	<1.6	ug/kg	3.6	1.6	1	10/16/15 12:00	10/17/15 01:39	75-35-4	
cis-1,2-Dichloroethene	<0.95	ug/kg	3.6	0.95	1	10/16/15 12:00	10/17/15 01:39	156-59-2	
trans-1,2-Dichloroethene	<0.89	ug/kg	3.6	0.89	1	10/16/15 12:00	10/17/15 01:39	156-60-5	
1,2-Dichloropropane	<0.90	ug/kg	3.6	0.90	1	10/16/15 12:00	10/17/15 01:39	78-87-5	
cis-1,3-Dichloropropene	<0.48	ug/kg	3.6	0.48	1	10/16/15 12:00	10/17/15 01:39	10061-01-5	
trans-1,3-Dichloropropene	<0.66	ug/kg	3.6	0.66	1	10/16/15 12:00	10/17/15 01:39	10061-02-6	
Ethylbenzene	<1.0	ug/kg	3.6	1.0	1	10/16/15 12:00	10/17/15 01:39	100-41-4	
2-Hexanone	<1.1	ug/kg	3.6	1.1	1	10/16/15 12:00	10/17/15 01:39	591-78-6	
Methylene Chloride	<1.3	ug/kg	3.6	1.3	1	10/16/15 12:00	10/17/15 01:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.88	ug/kg	3.6	0.88	1	10/16/15 12:00	10/17/15 01:39	108-10-1	
Methyl-tert-butyl ether	<0.72	ug/kg	3.6	0.72	1	10/16/15 12:00	10/17/15 01:39	1634-04-4	
Styrene	<0.54	ug/kg	3.6	0.54	1	10/16/15 12:00	10/17/15 01:39	100-42-5	
1,1,1,2-Tetrachloroethane	<1.5	ug/kg	3.6	1.5	1	10/16/15 12:00	10/17/15 01:39	79-34-5	
Tetrachloroethene	<1.1	ug/kg	3.6	1.1	1	10/16/15 12:00	10/17/15 01:39	127-18-4	
Toluene	<1.1	ug/kg	3.6	1.1	1	10/16/15 12:00	10/17/15 01:39	108-88-3	
1,1,1-Trichloroethane	<1.1	ug/kg	3.6	1.1	1	10/16/15 12:00	10/17/15 01:39	71-55-6	
1,1,2-Trichloroethane	<1.4	ug/kg	3.6	1.4	1	10/16/15 12:00	10/17/15 01:39	79-00-5	
Trichloroethene	<1.4	ug/kg	3.6	1.4	1	10/16/15 12:00	10/17/15 01:39	79-01-6	
Vinyl chloride	<0.39	ug/kg	3.6	0.39	1	10/16/15 12:00	10/17/15 01:39	75-01-4	
Xylene (Total)	<3.2	ug/kg	10.7	3.2	1	10/16/15 12:00	10/17/15 01:39	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	104	%	70-130		1	10/16/15 12:00	10/17/15 01:39	1868-53-7	
Toluene-d8 (S)	99	%	67-138		1	10/16/15 12:00	10/17/15 01:39	2037-26-5	
4-Bromofluorobenzene (S)	93	%	68-130		1	10/16/15 12:00	10/17/15 01:39	460-00-4	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: M11-2 (5-9)-101415 **Lab ID: 40122890017** Collected: 10/14/15 08:42 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	6.2	%	0.10	0.10	1		10/15/15 14:34		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	8.87	Std. Units	0.100	0.0100	1		10/16/15 17:00		H6

Revised 11/05/15 16:35

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: **M11-3 (0-5)-101415** Lab ID: **40122890018** Collected: 10/14/15 09:00 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.57	mg/kg	1.1	0.57	1	10/20/15 07:41	10/20/15 19:47	7440-36-0	
Arsenic	7.9	mg/kg	1.1	0.57	1	10/20/15 07:41	10/20/15 19:47	7440-38-2	
Barium	97.7	mg/kg	1.1	0.57	1	10/20/15 07:41	10/20/15 19:47	7440-39-3	
Beryllium	0.60	mg/kg	0.57	0.28	1	10/20/15 07:41	10/20/15 19:47	7440-41-7	
Cadmium	1.5	mg/kg	0.57	0.28	1	10/20/15 07:41	10/20/15 19:47	7440-43-9	
Calcium	36700	mg/kg	1140	569	20	10/20/15 07:41	10/20/15 22:50	7440-70-2	
Chromium	18.8	mg/kg	1.1	0.57	1	10/20/15 07:41	10/20/15 19:47	7440-47-3	
Cobalt	10.1	mg/kg	1.1	0.57	1	10/20/15 07:41	10/20/15 19:47	7440-48-4	
Copper	20.6	mg/kg	1.1	0.57	1	10/20/15 07:41	10/20/15 19:47	7440-50-8	
Iron	17700	mg/kg	56.9	28.5	1	10/20/15 07:41	10/20/15 19:47	7439-89-6	
Lead	90.3	mg/kg	1.1	0.57	1	10/20/15 07:41	10/20/15 19:47	7439-92-1	
Magnesium	17000	mg/kg	56.9	28.5	1	10/20/15 07:41	10/20/15 19:47	7439-95-4	
Manganese	673	mg/kg	1.1	0.57	1	10/20/15 07:41	10/20/15 19:47	7439-96-5	
Nickel	17.6	mg/kg	1.1	0.57	1	10/20/15 07:41	10/20/15 19:47	7440-02-0	
Potassium	1710	mg/kg	56.9	28.5	1	10/20/15 07:41	10/20/15 19:47	7440-09-7	
Selenium	<0.57	mg/kg	1.1	0.57	1	10/20/15 07:41	10/20/15 19:47	7782-49-2	
Silver	<0.28	mg/kg	0.57	0.28	1	10/20/15 07:41	10/20/15 19:47	7440-22-4	
Sodium	611	mg/kg	56.9	28.5	1	10/20/15 07:41	10/20/15 19:47	7440-23-5	
Thallium	1.5	mg/kg	1.1	0.57	1	10/20/15 07:41	10/20/15 19:47	7440-28-0	
Vanadium	29.2	mg/kg	1.1	0.57	1	10/20/15 07:41	10/20/15 19:47	7440-62-2	
Zinc	83.7	mg/kg	1.1	0.57	1	10/20/15 07:41	10/20/15 19:47	7440-66-6	

6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	0.014	mg/L	0.010	0.0029	1	10/28/15 06:51	10/29/15 03:25	7440-38-2	
Barium	0.33J	mg/L	0.50	0.0033	1	10/28/15 06:51	10/29/15 03:25	7440-39-3	
Beryllium	0.0017J	mg/L	0.0040	0.00031	1	10/28/15 06:51	10/29/15 03:25	7440-41-7	
Cadmium	0.0023J	mg/L	0.0050	0.00021	1	10/28/15 06:51	10/29/15 03:25	7440-43-9	
Chromium	0.051	mg/L	0.010	0.0025	1	10/28/15 06:51	10/29/15 03:25	7440-47-3	
Cobalt	0.014	mg/L	0.010	0.00053	1	10/28/15 06:51	10/29/15 03:25	7440-48-4	
Copper	0.048	mg/L	0.010	0.0040	1	10/28/15 06:51	10/29/15 03:25	7440-50-8	
Iron	45.5	mg/L	0.10	0.016	1	10/28/15 06:51	10/29/15 03:25	7439-89-6	
Lead	0.14	mg/L	0.010	0.0029	1	10/28/15 06:51	10/29/15 03:25	7439-92-1	
Manganese	0.58	mg/L	0.010	0.0010	1	10/28/15 06:51	10/29/15 03:25	7439-96-5	
Nickel	0.037	mg/L	0.010	0.00074	1	10/28/15 06:51	10/29/15 03:25	7440-02-0	
Selenium	0.0079J	mg/L	0.010	0.0033	1	10/28/15 06:51	10/29/15 03:25	7782-49-2	
Silver	<0.0033	mg/L	0.010	0.0033	1	10/28/15 06:51	10/29/15 03:25	7440-22-4	
Zinc	0.23	mg/L	0.020	0.0030	1	10/28/15 06:51	10/29/15 03:25	7440-66-6	

6010 MET ICP, TCLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 10/16/15 18:55									
Arsenic	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:44	7440-38-2	
Barium	0.33J	mg/L	0.50	0.25	1	10/19/15 17:12	10/28/15 09:44	7440-39-3	
Beryllium	<0.0020	mg/L	0.0040	0.0020	1	10/19/15 17:12	10/28/15 09:44	7440-41-7	
Cadmium	0.0033J	mg/L	0.0050	0.0025	1	10/19/15 17:12	10/28/15 09:44	7440-43-9	
Chromium	<0.0052	mg/L	0.010	0.0052	1	10/19/15 17:12	10/28/15 09:44	7440-47-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: M11-3 (0-5)-101415 Lab ID: 40122890018 Collected: 10/14/15 09:00 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/16/15 18:55									
Cobalt	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:44	7440-48-4	
Copper	0.0051J	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:44	7440-50-8	
Iron	<0.050	mg/L	0.10	0.050	1	10/19/15 17:12	10/28/15 09:44	7439-89-6	
Lead	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:44	7439-92-1	
Manganese	0.068	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:44	7439-96-5	
Nickel	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:44	7440-02-0	
Selenium	0.0067J	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:44	7782-49-2	
Silver	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:44	7440-22-4	
Zinc	0.027	mg/L	0.020	0.010	1	10/19/15 17:12	10/28/15 09:44	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.33	ug/L	0.67	0.33	1	10/21/15 23:37	10/22/15 09:21	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/16/15 18:55									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/20/15 21:51	10/21/15 13:24	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.12J	mg/kg	0.25	0.0051	1	10/19/15 22:51	10/20/15 13:12	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<71.8	ug/kg	239	71.8	1	10/16/15 13:41	10/20/15 19:11	83-32-9	
Acenaphthylene	<72.2	ug/kg	241	72.2	1	10/16/15 13:41	10/20/15 19:11	208-96-8	
Anthracene	<32.3	ug/kg	108	32.3	1	10/16/15 13:41	10/20/15 19:11	120-12-7	
Benzo(a)anthracene	223	ug/kg	104	31.3	1	10/16/15 13:41	10/20/15 19:11	56-55-3	
Benzo(a)pyrene	258	ug/kg	101	30.4	1	10/16/15 13:41	10/20/15 19:11	50-32-8	
Benzo(b)fluoranthene	289	ug/kg	116	34.8	1	10/16/15 13:41	10/20/15 19:11	205-99-2	
Benzo(g,h,i)perylene	226	ug/kg	176	52.9	1	10/16/15 13:41	10/20/15 19:11	191-24-2	
Benzo(k)fluoranthene	251	ug/kg	161	48.4	1	10/16/15 13:41	10/20/15 19:11	207-08-9	
4-Bromophenylphenyl ether	<42.4	ug/kg	141	42.4	1	10/16/15 13:41	10/20/15 19:11	101-55-3	
Butylbenzylphthalate	<32.4	ug/kg	108	32.4	1	10/16/15 13:41	10/20/15 19:11	85-68-7	
Carbazole	<31.7	ug/kg	106	31.7	1	10/16/15 13:41	10/20/15 19:11	86-74-8	
4-Chloro-3-methylphenol	<63.0	ug/kg	210	63.0	1	10/16/15 13:41	10/20/15 19:11	59-50-7	
4-Chloroaniline	<33.3	ug/kg	111	33.3	1	10/16/15 13:41	10/20/15 19:11	106-47-8	
bis(2-Chloroethoxy)methane	<54.5	ug/kg	182	54.5	1	10/16/15 13:41	10/20/15 19:11	111-91-1	
bis(2-Chloroethyl) ether	<63.2	ug/kg	211	63.2	1	10/16/15 13:41	10/20/15 19:11	111-44-4	
2-Chloronaphthalene	<26.0	ug/kg	86.6	26.0	1	10/16/15 13:41	10/20/15 19:11	91-58-7	
2-Chlorophenol	<50.5	ug/kg	168	50.5	1	10/16/15 13:41	10/20/15 19:11	95-57-8	
4-Chlorophenylphenyl ether	<37.7	ug/kg	126	37.7	1	10/16/15 13:41	10/20/15 19:11	7005-72-3	
Chrysene	305	ug/kg	101	30.3	1	10/16/15 13:41	10/20/15 19:11	218-01-9	
Dibenz(a,h)anthracene	<55.0	ug/kg	183	55.0	1	10/16/15 13:41	10/20/15 19:11	53-70-3	
Dibenzofuran	<24.5	ug/kg	81.6	24.5	1	10/16/15 13:41	10/20/15 19:11	132-64-9	
1,2-Dichlorobenzene	<63.6	ug/kg	212	63.6	1	10/16/15 13:41	10/20/15 19:11	95-50-1	
1,3-Dichlorobenzene	<28.0	ug/kg	93.4	28.0	1	10/16/15 13:41	10/20/15 19:11	541-73-1	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: **M11-3 (0-5)-101415** Lab ID: **40122890018** Collected: 10/14/15 09:00 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,4-Dichlorobenzene	<28.2	ug/kg	94.0	28.2	1	10/16/15 13:41	10/20/15 19:11	106-46-7	
3,3'-Dichlorobenzidine	<54.9	ug/kg	183	54.9	1	10/16/15 13:41	10/20/15 19:11	91-94-1	
2,4-Dichlorophenol	<54.1	ug/kg	180	54.1	1	10/16/15 13:41	10/20/15 19:11	120-83-2	
Diethylphthalate	<33.6	ug/kg	112	33.6	1	10/16/15 13:41	10/20/15 19:11	84-66-2	
2,4-Dimethylphenol	<40.0	ug/kg	133	40.0	1	10/16/15 13:41	10/20/15 19:11	105-67-9	
Dimethylphthalate	<26.3	ug/kg	87.7	26.3	1	10/16/15 13:41	10/20/15 19:11	131-11-3	
Di-n-butylphthalate	<30.2	ug/kg	101	30.2	1	10/16/15 13:41	10/20/15 19:11	84-74-2	
4,6-Dinitro-2-methylphenol	<62.4	ug/kg	208	62.4	1	10/16/15 13:41	10/20/15 19:11	534-52-1	
2,4-Dinitrophenol	<61.6	ug/kg	205	61.6	1	10/16/15 13:41	10/20/15 19:11	51-28-5	
2,4-Dinitrotoluene	<28.9	ug/kg	96.5	28.9	1	10/16/15 13:41	10/20/15 19:11	121-14-2	
2,6-Dinitrotoluene	<38.4	ug/kg	128	38.4	1	10/16/15 13:41	10/20/15 19:11	606-20-2	
Di-n-octylphthalate	<45.5	ug/kg	152	45.5	1	10/16/15 13:41	10/20/15 19:11	117-84-0	
bis(2-Ethylhexyl)phthalate	<33.6	ug/kg	112	33.6	1	10/16/15 13:41	10/20/15 19:11	117-81-7	
Fluoranthene	238	ug/kg	95.4	28.6	1	10/16/15 13:41	10/20/15 19:11	206-44-0	
Fluorene	<23.6	ug/kg	78.8	23.6	1	10/16/15 13:41	10/20/15 19:11	86-73-7	
Hexachloro-1,3-butadiene	<51.5	ug/kg	172	51.5	1	10/16/15 13:41	10/20/15 19:11	87-68-3	
Hexachlorobenzene	<34.0	ug/kg	113	34.0	1	10/16/15 13:41	10/20/15 19:11	118-74-1	
Hexachlorocyclopentadiene	<47.9	ug/kg	160	47.9	1	10/16/15 13:41	10/20/15 19:11	77-47-4	
Hexachloroethane	<32.4	ug/kg	108	32.4	1	10/16/15 13:41	10/20/15 19:11	67-72-1	
Indeno(1,2,3-cd)pyrene	240	ug/kg	146	43.8	1	10/16/15 13:41	10/20/15 19:11	193-39-5	
Isophorone	<31.1	ug/kg	104	31.1	1	10/16/15 13:41	10/20/15 19:11	78-59-1	
2-Methylnaphthalene	<52.5	ug/kg	175	52.5	1	10/16/15 13:41	10/20/15 19:11	91-57-6	
2-Methylphenol(o-Cresol)	<36.8	ug/kg	123	36.8	1	10/16/15 13:41	10/20/15 19:11	95-48-7	
3&4-Methylphenol(m&p Cresol)	<37.1	ug/kg	124	37.1	1	10/16/15 13:41	10/20/15 19:11		
Naphthalene	<70.7	ug/kg	236	70.7	1	10/16/15 13:41	10/20/15 19:11	91-20-3	
2-Nitroaniline	<57.7	ug/kg	192	57.7	1	10/16/15 13:41	10/20/15 19:11	88-74-4	
3-Nitroaniline	<34.4	ug/kg	115	34.4	1	10/16/15 13:41	10/20/15 19:11	99-09-2	
4-Nitroaniline	<84.0	ug/kg	280	84.0	1	10/16/15 13:41	10/20/15 19:11	100-01-6	
Nitrobenzene	<41.0	ug/kg	137	41.0	1	10/16/15 13:41	10/20/15 19:11	98-95-3	
2-Nitrophenol	<63.9	ug/kg	213	63.9	1	10/16/15 13:41	10/20/15 19:11	88-75-5	
4-Nitrophenol	<50.9	ug/kg	170	50.9	1	10/16/15 13:41	10/20/15 19:11	100-02-7	
N-Nitroso-di-n-propylamine	<32.1	ug/kg	107	32.1	1	10/16/15 13:41	10/20/15 19:11	621-64-7	
N-Nitrosodiphenylamine	<275	ug/kg	915	275	1	10/16/15 13:41	10/20/15 19:11	86-30-6	
2,2'-Oxybis(1-chloropropane)	<52.2	ug/kg	174	52.2	1	10/16/15 13:41	10/20/15 19:11	108-60-1	
Pentachlorophenol	<44.6	ug/kg	149	44.6	1	10/16/15 13:41	10/20/15 19:11	87-86-5	
Phenanthrene	129	ug/kg	86.5	26.0	1	10/16/15 13:41	10/20/15 19:11	85-01-8	
Phenol	<48.0	ug/kg	160	48.0	1	10/16/15 13:41	10/20/15 19:11	108-95-2	
Pyrene	633	ug/kg	149	44.8	1	10/16/15 13:41	10/20/15 19:11	129-00-0	
1,2,4-Trichlorobenzene	<22.9	ug/kg	76.2	22.9	1	10/16/15 13:41	10/20/15 19:11	120-82-1	
2,4,5-Trichlorophenol	<35.7	ug/kg	119	35.7	1	10/16/15 13:41	10/20/15 19:11	95-95-4	
2,4,6-Trichlorophenol	<30.8	ug/kg	103	30.8	1	10/16/15 13:41	10/20/15 19:11	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	58	%	45-130		1	10/16/15 13:41	10/20/15 19:11	4165-60-0	
2-Fluorobiphenyl (S)	70	%	51-130		1	10/16/15 13:41	10/20/15 19:11	321-60-8	
Terphenyl-d14 (S)	138	%	37-134		1	10/16/15 13:41	10/20/15 19:11	1718-51-0	S0

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: M11-3 (0-5)-101415 **Lab ID: 40122890018** Collected: 10/14/15 09:00 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Phenol-d6 (S)	62	%	36-130		1	10/16/15 13:41	10/20/15 19:11	13127-88-3	
2-Fluorophenol (S)	49	%	37-130		1	10/16/15 13:41	10/20/15 19:11	367-12-4	
2,4,6-Tribromophenol (S)	58	%	30-130		1	10/16/15 13:41	10/20/15 19:11	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.7	ug/kg	15.2	4.7	1	10/16/15 12:00	10/17/15 02:01	67-64-1	2q
Benzene	<1.2	ug/kg	3.8	1.2	1	10/16/15 12:00	10/17/15 02:01	71-43-2	
Bromodichloromethane	<0.84	ug/kg	3.8	0.84	1	10/16/15 12:00	10/17/15 02:01	75-27-4	
Bromoform	<0.65	ug/kg	3.8	0.65	1	10/16/15 12:00	10/17/15 02:01	75-25-2	
Bromomethane	<1.1	ug/kg	7.6	1.1	1	10/16/15 12:00	10/17/15 02:01	74-83-9	
2-Butanone (MEK)	<2.2	ug/kg	15.2	2.2	1	10/16/15 12:00	10/17/15 02:01	78-93-3	
Carbon disulfide	<0.98	ug/kg	3.8	0.98	1	10/16/15 12:00	10/17/15 02:01	75-15-0	
Carbon tetrachloride	<1.2	ug/kg	3.8	1.2	1	10/16/15 12:00	10/17/15 02:01	56-23-5	
Chlorobenzene	<1.2	ug/kg	3.8	1.2	1	10/16/15 12:00	10/17/15 02:01	108-90-7	
Chloroethane	<1.5	ug/kg	3.8	1.5	1	10/16/15 12:00	10/17/15 02:01	75-00-3	
Chloroform	<0.72	ug/kg	3.8	0.72	1	10/16/15 12:00	10/17/15 02:01	67-66-3	
Chloromethane	<0.43	ug/kg	3.8	0.43	1	10/16/15 12:00	10/17/15 02:01	74-87-3	
Dibromochloromethane	<1.3	ug/kg	3.8	1.3	1	10/16/15 12:00	10/17/15 02:01	124-48-1	
1,1-Dichloroethane	<1.8	ug/kg	3.8	1.8	1	10/16/15 12:00	10/17/15 02:01	75-34-3	
1,2-Dichloroethane	<0.75	ug/kg	3.8	0.75	1	10/16/15 12:00	10/17/15 02:01	107-06-2	
1,1-Dichloroethene	<1.7	ug/kg	3.8	1.7	1	10/16/15 12:00	10/17/15 02:01	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/kg	3.8	1.0	1	10/16/15 12:00	10/17/15 02:01	156-59-2	
trans-1,2-Dichloroethene	<0.94	ug/kg	3.8	0.94	1	10/16/15 12:00	10/17/15 02:01	156-60-5	
1,2-Dichloropropane	<0.96	ug/kg	3.8	0.96	1	10/16/15 12:00	10/17/15 02:01	78-87-5	
cis-1,3-Dichloropropene	<0.51	ug/kg	3.8	0.51	1	10/16/15 12:00	10/17/15 02:01	10061-01-5	
trans-1,3-Dichloropropene	<0.71	ug/kg	3.8	0.71	1	10/16/15 12:00	10/17/15 02:01	10061-02-6	
Ethylbenzene	<1.1	ug/kg	3.8	1.1	1	10/16/15 12:00	10/17/15 02:01	100-41-4	
2-Hexanone	<1.1	ug/kg	3.8	1.1	1	10/16/15 12:00	10/17/15 02:01	591-78-6	
Methylene Chloride	<1.4	ug/kg	3.8	1.4	1	10/16/15 12:00	10/17/15 02:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.94	ug/kg	3.8	0.94	1	10/16/15 12:00	10/17/15 02:01	108-10-1	
Methyl-tert-butyl ether	<0.76	ug/kg	3.8	0.76	1	10/16/15 12:00	10/17/15 02:01	1634-04-4	
Styrene	<0.58	ug/kg	3.8	0.58	1	10/16/15 12:00	10/17/15 02:01	100-42-5	
1,1,2,2-Tetrachloroethane	<1.6	ug/kg	3.8	1.6	1	10/16/15 12:00	10/17/15 02:01	79-34-5	
Tetrachloroethene	<1.2	ug/kg	3.8	1.2	1	10/16/15 12:00	10/17/15 02:01	127-18-4	
Toluene	<1.1	ug/kg	3.8	1.1	1	10/16/15 12:00	10/17/15 02:01	108-88-3	
1,1,1-Trichloroethane	<1.2	ug/kg	3.8	1.2	1	10/16/15 12:00	10/17/15 02:01	71-55-6	
1,1,2-Trichloroethane	<1.5	ug/kg	3.8	1.5	1	10/16/15 12:00	10/17/15 02:01	79-00-5	
Trichloroethene	<1.5	ug/kg	3.8	1.5	1	10/16/15 12:00	10/17/15 02:01	79-01-6	
Vinyl chloride	<0.42	ug/kg	3.8	0.42	1	10/16/15 12:00	10/17/15 02:01	75-01-4	
Xylene (Total)	<3.4	ug/kg	11.4	3.4	1	10/16/15 12:00	10/17/15 02:01	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	105	%	70-130		1	10/16/15 12:00	10/17/15 02:01	1868-53-7	
Toluene-d8 (S)	101	%	67-138		1	10/16/15 12:00	10/17/15 02:01	2037-26-5	
4-Bromofluorobenzene (S)	89	%	68-130		1	10/16/15 12:00	10/17/15 02:01	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: M11-3 (0-5)-101415 **Lab ID: 40122890018** Collected: 10/14/15 09:00 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	17.5	%	0.10	0.10	1		10/15/15 18:06		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	8.28	Std. Units	0.100	0.0100	1		10/16/15 17:00		H6

Revised 11/05/15 16:35

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: M11-3 (5-9)-101415 Lab ID: 40122890019 Collected: 10/14/15 09:05 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.48	mg/kg	0.96	0.48	1	10/20/15 07:41	10/20/15 19:50	7440-36-0	
Arsenic	3.0	mg/kg	0.96	0.48	1	10/20/15 07:41	10/20/15 19:50	7440-38-2	
Barium	10.2	mg/kg	0.96	0.48	1	10/20/15 07:41	10/20/15 19:50	7440-39-3	
Beryllium	<0.24	mg/kg	0.48	0.24	1	10/20/15 07:41	10/20/15 19:50	7440-41-7	
Cadmium	<0.24	mg/kg	0.48	0.24	1	10/20/15 07:41	10/20/15 19:50	7440-43-9	
Calcium	156000	mg/kg	956	478	20	10/20/15 07:41	10/20/15 22:52	7440-70-2	
Chromium	5.1	mg/kg	0.96	0.48	1	10/20/15 07:41	10/20/15 19:50	7440-47-3	
Cobalt	2.1	mg/kg	0.96	0.48	1	10/20/15 07:41	10/20/15 19:50	7440-48-4	
Copper	6.9	mg/kg	0.96	0.48	1	10/20/15 07:41	10/20/15 19:50	7440-50-8	
Iron	5990	mg/kg	47.8	23.9	1	10/20/15 07:41	10/20/15 19:50	7439-89-6	
Lead	2.7	mg/kg	0.96	0.48	1	10/20/15 07:41	10/20/15 19:50	7439-92-1	
Magnesium	96000	mg/kg	956	478	20	10/20/15 07:41	10/20/15 22:52	7439-95-4	
Manganese	293	mg/kg	0.96	0.48	1	10/20/15 07:41	10/20/15 19:50	7439-96-5	
Nickel	6.3	mg/kg	0.96	0.48	1	10/20/15 07:41	10/20/15 19:50	7440-02-0	
Potassium	672	mg/kg	47.8	23.9	1	10/20/15 07:41	10/20/15 19:50	7440-09-7	
Selenium	<0.48	mg/kg	0.96	0.48	1	10/20/15 07:41	10/20/15 19:50	7782-49-2	
Silver	<0.24	mg/kg	0.48	0.24	1	10/20/15 07:41	10/20/15 19:50	7440-22-4	
Sodium	255	mg/kg	47.8	23.9	1	10/20/15 07:41	10/20/15 19:50	7440-23-5	
Thallium	0.71J	mg/kg	0.96	0.48	1	10/20/15 07:41	10/20/15 19:50	7440-28-0	
Vanadium	8.7	mg/kg	0.96	0.48	1	10/20/15 07:41	10/20/15 19:50	7440-62-2	
Zinc	9.5	mg/kg	0.96	0.48	1	10/20/15 07:41	10/20/15 19:50	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Arsenic	<0.0029	mg/L	0.010	0.0029	1	10/28/15 06:51	10/29/15 03:27	7440-38-2	
Barium	0.0090J	mg/L	0.50	0.0033	1	10/28/15 06:51	10/29/15 03:27	7440-39-3	
Beryllium	<0.00031	mg/L	0.0040	0.00031	1	10/28/15 06:51	10/29/15 03:27	7440-41-7	
Cadmium	0.00024J	mg/L	0.0050	0.00021	1	10/28/15 06:51	10/29/15 03:27	7440-43-9	
Chromium	<0.0025	mg/L	0.010	0.0025	1	10/28/15 06:51	10/29/15 03:27	7440-47-3	
Cobalt	<0.00053	mg/L	0.010	0.00053	1	10/28/15 06:51	10/29/15 03:27	7440-48-4	
Copper	<0.0040	mg/L	0.010	0.0040	1	10/28/15 06:51	10/29/15 03:27	7440-50-8	
Iron	0.47	mg/L	0.10	0.016	1	10/28/15 06:51	10/29/15 03:27	7439-89-6	
Lead	<0.0029	mg/L	0.010	0.0029	1	10/28/15 06:51	10/29/15 03:27	7439-92-1	
Manganese	0.0053J	mg/L	0.010	0.0010	1	10/28/15 06:51	10/29/15 03:27	7439-96-5	
Nickel	<0.00074	mg/L	0.010	0.00074	1	10/28/15 06:51	10/29/15 03:27	7440-02-0	
Selenium	<0.0033	mg/L	0.010	0.0033	1	10/28/15 06:51	10/29/15 03:27	7782-49-2	
Silver	<0.0033	mg/L	0.010	0.0033	1	10/28/15 06:51	10/29/15 03:27	7440-22-4	
Zinc	0.0032J	mg/L	0.020	0.0030	1	10/28/15 06:51	10/29/15 03:27	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/16/15 18:55

Arsenic	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:47	7440-38-2	
Barium	<0.25	mg/L	0.50	0.25	1	10/19/15 17:12	10/28/15 09:47	7440-39-3	
Beryllium	<0.0020	mg/L	0.0040	0.0020	1	10/19/15 17:12	10/28/15 09:47	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/19/15 17:12	10/28/15 09:47	7440-43-9	
Chromium	<0.0052	mg/L	0.010	0.0052	1	10/19/15 17:12	10/28/15 09:47	7440-47-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: M11-3 (5-9)-101415 Lab ID: 40122890019 Collected: 10/14/15 09:05 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/16/15 18:55									
Cobalt	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:47	7440-48-4	
Copper	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:47	7440-50-8	
Iron	<0.050	mg/L	0.10	0.050	1	10/19/15 17:12	10/28/15 09:47	7439-89-6	
Lead	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:47	7439-92-1	
Manganese	0.97	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:47	7439-96-5	
Nickel	0.010	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:47	7440-02-0	
Selenium	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:47	7782-49-2	
Silver	<0.0050	mg/L	0.010	0.0050	1	10/19/15 17:12	10/28/15 09:47	7440-22-4	
Zinc	<0.010	mg/L	0.020	0.010	1	10/19/15 17:12	10/28/15 09:47	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.33	ug/L	0.67	0.33	1	10/21/15 23:37	10/22/15 09:23	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/16/15 18:55									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/20/15 21:51	10/21/15 13:27	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.0094J	mg/kg	0.22	0.0044	1	10/19/15 22:51	10/20/15 13:14	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<63.6	ug/kg	212	63.6	1	10/21/15 08:58	10/21/15 12:16	83-32-9	
Acenaphthylene	<64.0	ug/kg	213	64.0	1	10/21/15 08:58	10/21/15 12:16	208-96-8	
Anthracene	<28.7	ug/kg	95.6	28.7	1	10/21/15 08:58	10/21/15 12:16	120-12-7	
Benzo(a)anthracene	<27.8	ug/kg	92.6	27.8	1	10/21/15 08:58	10/21/15 12:16	56-55-3	
Benzo(a)pyrene	<27.0	ug/kg	90.0	27.0	1	10/21/15 08:58	10/21/15 12:16	50-32-8	
Benzo(b)fluoranthene	<30.8	ug/kg	103	30.8	1	10/21/15 08:58	10/21/15 12:16	205-99-2	
Benzo(g,h,i)perylene	<46.9	ug/kg	156	46.9	1	10/21/15 08:58	10/21/15 12:16	191-24-2	
Benzo(k)fluoranthene	<43.0	ug/kg	143	43.0	1	10/21/15 08:58	10/21/15 12:16	207-08-9	
4-Bromophenylphenyl ether	<37.6	ug/kg	125	37.6	1	10/21/15 08:58	10/21/15 12:16	101-55-3	
Butylbenzylphthalate	<28.8	ug/kg	95.9	28.8	1	10/21/15 08:58	10/21/15 12:16	85-68-7	
Carbazole	<28.1	ug/kg	93.6	28.1	1	10/21/15 08:58	10/21/15 12:16	86-74-8	
4-Chloro-3-methylphenol	<55.8	ug/kg	186	55.8	1	10/21/15 08:58	10/21/15 12:16	59-50-7	
4-Chloroaniline	<29.5	ug/kg	98.3	29.5	1	10/21/15 08:58	10/21/15 12:16	106-47-8	
bis(2-Chloroethoxy)methane	<48.3	ug/kg	161	48.3	1	10/21/15 08:58	10/21/15 12:16	111-91-1	
bis(2-Chloroethyl) ether	<56.0	ug/kg	187	56.0	1	10/21/15 08:58	10/21/15 12:16	111-44-4	
2-Chloronaphthalene	<23.0	ug/kg	76.8	23.0	1	10/21/15 08:58	10/21/15 12:16	91-58-7	
2-Chlorophenol	<44.8	ug/kg	149	44.8	1	10/21/15 08:58	10/21/15 12:16	95-57-8	
4-Chlorophenylphenyl ether	<33.4	ug/kg	111	33.4	1	10/21/15 08:58	10/21/15 12:16	7005-72-3	
Chrysene	<26.8	ug/kg	89.4	26.8	1	10/21/15 08:58	10/21/15 12:16	218-01-9	
Dibenz(a,h)anthracene	<48.7	ug/kg	162	48.7	1	10/21/15 08:58	10/21/15 12:16	53-70-3	
Dibenzofuran	<21.7	ug/kg	72.4	21.7	1	10/21/15 08:58	10/21/15 12:16	132-64-9	
1,2-Dichlorobenzene	<56.4	ug/kg	188	56.4	1	10/21/15 08:58	10/21/15 12:16	95-50-1	
1,3-Dichlorobenzene	<24.8	ug/kg	82.8	24.8	1	10/21/15 08:58	10/21/15 12:16	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: M11-3 (5-9)-101415 **Lab ID: 40122890019** Collected: 10/14/15 09:05 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,4-Dichlorobenzene	<25.0	ug/kg	83.3	25.0	1	10/21/15 08:58	10/21/15 12:16	106-46-7	
3,3'-Dichlorobenzidine	<48.7	ug/kg	162	48.7	1	10/21/15 08:58	10/21/15 12:16	91-94-1	
2,4-Dichlorophenol	<47.9	ug/kg	160	47.9	1	10/21/15 08:58	10/21/15 12:16	120-83-2	
Diethylphthalate	<29.7	ug/kg	99.2	29.7	1	10/21/15 08:58	10/21/15 12:16	84-66-2	
2,4-Dimethylphenol	<35.5	ug/kg	118	35.5	1	10/21/15 08:58	10/21/15 12:16	105-67-9	
Dimethylphthalate	<23.3	ug/kg	77.8	23.3	1	10/21/15 08:58	10/21/15 12:16	131-11-3	
Di-n-butylphthalate	<26.8	ug/kg	89.4	26.8	1	10/21/15 08:58	10/21/15 12:16	84-74-2	
4,6-Dinitro-2-methylphenol	<55.3	ug/kg	184	55.3	1	10/21/15 08:58	10/21/15 12:16	534-52-1	
2,4-Dinitrophenol	<54.7	ug/kg	182	54.7	1	10/21/15 08:58	10/21/15 12:16	51-28-5	
2,4-Dinitrotoluene	<25.7	ug/kg	85.5	25.7	1	10/21/15 08:58	10/21/15 12:16	121-14-2	
2,6-Dinitrotoluene	<34.1	ug/kg	114	34.1	1	10/21/15 08:58	10/21/15 12:16	606-20-2	
Di-n-octylphthalate	<40.3	ug/kg	134	40.3	1	10/21/15 08:58	10/21/15 12:16	117-84-0	
bis(2-Ethylhexyl)phthalate	<29.8	ug/kg	99.4	29.8	1	10/21/15 08:58	10/21/15 12:16	117-81-7	
Fluoranthene	<25.4	ug/kg	84.6	25.4	1	10/21/15 08:58	10/21/15 12:16	206-44-0	
Fluorene	<21.0	ug/kg	69.9	21.0	1	10/21/15 08:58	10/21/15 12:16	86-73-7	
Hexachloro-1,3-butadiene	<45.7	ug/kg	152	45.7	1	10/21/15 08:58	10/21/15 12:16	87-68-3	
Hexachlorobenzene	<30.2	ug/kg	101	30.2	1	10/21/15 08:58	10/21/15 12:16	118-74-1	
Hexachlorocyclopentadiene	<42.5	ug/kg	142	42.5	1	10/21/15 08:58	10/21/15 12:16	77-47-4	
Hexachloroethane	<28.7	ug/kg	95.7	28.7	1	10/21/15 08:58	10/21/15 12:16	67-72-1	
Indeno(1,2,3-cd)pyrene	<38.8	ug/kg	129	38.8	1	10/21/15 08:58	10/21/15 12:16	193-39-5	
Isophorone	<27.6	ug/kg	91.9	27.6	1	10/21/15 08:58	10/21/15 12:16	78-59-1	
2-Methylnaphthalene	<46.6	ug/kg	155	46.6	1	10/21/15 08:58	10/21/15 12:16	91-57-6	
2-Methylphenol(o-Cresol)	<32.6	ug/kg	109	32.6	1	10/21/15 08:58	10/21/15 12:16	95-48-7	
3&4-Methylphenol(m&p Cresol)	<32.9	ug/kg	110	32.9	1	10/21/15 08:58	10/21/15 12:16		
Naphthalene	<62.7	ug/kg	209	62.7	1	10/21/15 08:58	10/21/15 12:16	91-20-3	
2-Nitroaniline	<51.1	ug/kg	170	51.1	1	10/21/15 08:58	10/21/15 12:16	88-74-4	
3-Nitroaniline	<30.5	ug/kg	102	30.5	1	10/21/15 08:58	10/21/15 12:16	99-09-2	
4-Nitroaniline	<74.5	ug/kg	248	74.5	1	10/21/15 08:58	10/21/15 12:16	100-01-6	
Nitrobenzene	<36.4	ug/kg	121	36.4	1	10/21/15 08:58	10/21/15 12:16	98-95-3	
2-Nitrophenol	<56.6	ug/kg	189	56.6	1	10/21/15 08:58	10/21/15 12:16	88-75-5	
4-Nitrophenol	<45.2	ug/kg	151	45.2	1	10/21/15 08:58	10/21/15 12:16	100-02-7	
N-Nitroso-di-n-propylamine	<28.5	ug/kg	94.8	28.5	1	10/21/15 08:58	10/21/15 12:16	621-64-7	
N-Nitrosodiphenylamine	<243	ug/kg	811	243	1	10/21/15 08:58	10/21/15 12:16	86-30-6	
2,2'-Oxybis(1-chloropropane)	<46.3	ug/kg	154	46.3	1	10/21/15 08:58	10/21/15 12:16	108-60-1	
Pentachlorophenol	<39.5	ug/kg	132	39.5	1	10/21/15 08:58	10/21/15 12:16	87-86-5	
Phenanthrene	<23.0	ug/kg	76.7	23.0	1	10/21/15 08:58	10/21/15 12:16	85-01-8	
Phenol	<42.6	ug/kg	142	42.6	1	10/21/15 08:58	10/21/15 12:16	108-95-2	
Pyrene	<39.8	ug/kg	133	39.8	1	10/21/15 08:58	10/21/15 12:16	129-00-0	
1,2,4-Trichlorobenzene	<20.3	ug/kg	67.6	20.3	1	10/21/15 08:58	10/21/15 12:16	120-82-1	
2,4,5-Trichlorophenol	<31.7	ug/kg	106	31.7	1	10/21/15 08:58	10/21/15 12:16	95-95-4	
2,4,6-Trichlorophenol	<27.4	ug/kg	91.2	27.4	1	10/21/15 08:58	10/21/15 12:16	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	77	%	45-130		1	10/21/15 08:58	10/21/15 12:16	4165-60-0	
2-Fluorobiphenyl (S)	76	%	51-130		1	10/21/15 08:58	10/21/15 12:16	321-60-8	
Terphenyl-d14 (S)	77	%	37-134		1	10/21/15 08:58	10/21/15 12:16	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: M11-3 (5-9)-101415 Lab ID: 40122890019 Collected: 10/14/15 09:05 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Phenol-d6 (S)	77	%	36-130		1	10/21/15 08:58	10/21/15 12:16	13127-88-3	
2-Fluorophenol (S)	75	%	37-130		1	10/21/15 08:58	10/21/15 12:16	367-12-4	
2,4,6-Tribromophenol (S)	74	%	30-130		1	10/21/15 08:58	10/21/15 12:16	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.7	ug/kg	14.9	4.7	1	10/19/15 12:00	10/19/15 08:20	67-64-1	2q
Benzene	<1.2	ug/kg	3.7	1.2	1	10/19/15 12:00	10/19/15 08:20	71-43-2	
Bromodichloromethane	<0.82	ug/kg	3.7	0.82	1	10/19/15 12:00	10/19/15 08:20	75-27-4	
Bromoform	<0.63	ug/kg	3.7	0.63	1	10/19/15 12:00	10/19/15 08:20	75-25-2	
Bromomethane	<1.1	ug/kg	7.5	1.1	1	10/19/15 12:00	10/19/15 08:20	74-83-9	
2-Butanone (MEK)	<2.1	ug/kg	14.9	2.1	1	10/19/15 12:00	10/19/15 08:20	78-93-3	
Carbon disulfide	<0.97	ug/kg	3.7	0.97	1	10/19/15 12:00	10/19/15 08:20	75-15-0	
Carbon tetrachloride	<1.2	ug/kg	3.7	1.2	1	10/19/15 12:00	10/19/15 08:20	56-23-5	
Chlorobenzene	<1.2	ug/kg	3.7	1.2	1	10/19/15 12:00	10/19/15 08:20	108-90-7	
Chloroethane	<1.5	ug/kg	3.7	1.5	1	10/19/15 12:00	10/19/15 08:20	75-00-3	
Chloroform	<0.71	ug/kg	3.7	0.71	1	10/19/15 12:00	10/19/15 08:20	67-66-3	
Chloromethane	<0.42	ug/kg	3.7	0.42	1	10/19/15 12:00	10/19/15 08:20	74-87-3	
Dibromochloromethane	<1.3	ug/kg	3.7	1.3	1	10/19/15 12:00	10/19/15 08:20	124-48-1	
1,1-Dichloroethane	<1.8	ug/kg	3.7	1.8	1	10/19/15 12:00	10/19/15 08:20	75-34-3	
1,2-Dichloroethane	<0.73	ug/kg	3.7	0.73	1	10/19/15 12:00	10/19/15 08:20	107-06-2	
1,1-Dichloroethene	<1.7	ug/kg	3.7	1.7	1	10/19/15 12:00	10/19/15 08:20	75-35-4	
cis-1,2-Dichloroethene	<0.99	ug/kg	3.7	0.99	1	10/19/15 12:00	10/19/15 08:20	156-59-2	
trans-1,2-Dichloroethene	<0.92	ug/kg	3.7	0.92	1	10/19/15 12:00	10/19/15 08:20	156-60-5	
1,2-Dichloropropane	<0.94	ug/kg	3.7	0.94	1	10/19/15 12:00	10/19/15 08:20	78-87-5	
cis-1,3-Dichloropropene	<0.50	ug/kg	3.7	0.50	1	10/19/15 12:00	10/19/15 08:20	10061-01-5	
trans-1,3-Dichloropropene	<0.69	ug/kg	3.7	0.69	1	10/19/15 12:00	10/19/15 08:20	10061-02-6	
Ethylbenzene	<1.1	ug/kg	3.7	1.1	1	10/19/15 12:00	10/19/15 08:20	100-41-4	
2-Hexanone	<1.1	ug/kg	3.7	1.1	1	10/19/15 12:00	10/19/15 08:20	591-78-6	
Methylene Chloride	<1.4	ug/kg	3.7	1.4	1	10/19/15 12:00	10/19/15 08:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.92	ug/kg	3.7	0.92	1	10/19/15 12:00	10/19/15 08:20	108-10-1	
Methyl-tert-butyl ether	<0.75	ug/kg	3.7	0.75	1	10/19/15 12:00	10/19/15 08:20	1634-04-4	
Styrene	<0.57	ug/kg	3.7	0.57	1	10/19/15 12:00	10/19/15 08:20	100-42-5	
1,1,2,2-Tetrachloroethane	<1.5	ug/kg	3.7	1.5	1	10/19/15 12:00	10/19/15 08:20	79-34-5	
Tetrachloroethene	<1.2	ug/kg	3.7	1.2	1	10/19/15 12:00	10/19/15 08:20	127-18-4	
Toluene	<1.1	ug/kg	3.7	1.1	1	10/19/15 12:00	10/19/15 08:20	108-88-3	
1,1,1-Trichloroethane	<1.2	ug/kg	3.7	1.2	1	10/19/15 12:00	10/19/15 08:20	71-55-6	
1,1,2-Trichloroethane	<1.4	ug/kg	3.7	1.4	1	10/19/15 12:00	10/19/15 08:20	79-00-5	
Trichloroethene	<1.4	ug/kg	3.7	1.4	1	10/19/15 12:00	10/19/15 08:20	79-01-6	
Vinyl chloride	<0.41	ug/kg	3.7	0.41	1	10/19/15 12:00	10/19/15 08:20	75-01-4	
Xylene (Total)	<3.4	ug/kg	11.2	3.4	1	10/19/15 12:00	10/19/15 08:20	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	99	%	70-130		1	10/19/15 12:00	10/19/15 08:20	1868-53-7	
Toluene-d8 (S)	107	%	67-138		1	10/19/15 12:00	10/19/15 08:20	2037-26-5	
4-Bromofluorobenzene (S)	91	%	68-130		1	10/19/15 12:00	10/19/15 08:20	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: M11-3 (5-9)-101415 **Lab ID: 40122890019** Collected: 10/14/15 09:05 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	7.0	%	0.10	0.10	1		10/15/15 18:06		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	8.54	Std. Units	0.100	0.0100	1		10/16/15 17:00		H6

Revised 11/05/15 16:35

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: EDI
Branch/Location:
Project Contact: Patricia/Colin
Phone: 312-345-1400
Project Number: 0295.020
Project Name: FAT 55
Project State: FL
Sampled By (Print): Colin Penick
Sampled By (Sign):
PO #:
Regulatory Program:



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CHAIN OF CUSTODY

Preservation Codes
A=None B-HCL C-H2SO4 D-HNO3 E-DI Water F-Methanol G-NaOH
H-Sodium Bisulfate Solution I-Sodium Thiosulfate J-Other

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Filtered? (YES/NO)
Preservation (CODE)*

Y / N	Pick Label
X	VOCs
X	SVOCs
X	Total Metals
X	TCLP Metals
X	SPLP Metals
X	pH

PAGE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	AL2-12(5-9)-101415	10/14/15	1130	Soil
002	AL2-11(5-9)-101415	10/14/15	1150	Soil
003	AL2-11(5-9)-101415	10/14/15	1200	Soil
004	AL2-10(5-9)-101415	10/14/15	1220	Soil
005	AL2-10(5-9)-101415	10/14/15	1230	Soil
006	AL2-9(5-9)-101415	10/14/15	1245	Soil
007	AL2-9(5-9)-101415	10/14/15	1300	Soil
008	AL2-8(5-9)-101415	10/14/15	1315	Soil
009	AL2-8(5-9)-101415	10/14/15	1330	Soil
010	AL2-7(5-9)-101415	10/14/15	1415	Soil
011	AL2-7(5-9)-101415	10/14/15	1425	Soil
012	AL2-7(5-9)-101415	10/14/15	1435	Soil
013	AL2-6(5-9)-101415	10/14/15	1500	Soil

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
Date Needed:

Relinquished By: [Signature] Date/Time: 10/14/15 1535
Relinquished By: [Signature] Date/Time: 10/14/15 1730
Relinquished By: [Signature] Date/Time: 10/14/15 0935

Received By: [Signature] Date/Time: 10/14/15 1735
Received By: [Signature] Date/Time: 10/14/15 1815
Received By: [Signature] Date/Time: 10/15/15 0935

Quote #: [Blank]
Mail To Contact:
Mail To Company:
Mail To Address:
Invoice To Contact:
Invoice To Company:
Invoice To Address:
Invoice To Phone:
CLIENT COMMENTS
LAB COMMENTS (Lab Use Only)
Profile #

Cooler Custody Seal Present / Not Present Intact / Not Intact

(Please Print Clearly)

Company Name: EDT
Branch/Location:
Project Contact: Patricia Cain
Phone:
Project Number: 0295.020
Project Name: IDOT 025-05 6ETS
Project State: Illinois
Sampled By (Print): Margaret O'Brien-Skibic
Sampled By (Sign): mgobrien

PO #:
Data Package Options (billable):
 EPA Level III
 EPA Level IV
MS/MSD (billable):
 On your sample
 NOT needed on your sample
Matrix Codes:
A = Air
B = Biota
C = Charcoal
O = Oil
S = Soil
SI = Sludge
W = Water
DW = Drinking Water
GW = Ground Water
SW = Surface Water
WW = Waste Water
WP = Wipe
Regulatory Program:



CHAIN OF CUSTODY

AN=None B=HCL C=H2SO4 D=HNO3 E=D1 Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

FILTERED?
(YES/NO)
PRESERVATION (CODE)

Y/N	Pick Letter	Analyses Requested
2	E	VOCs
2	F	SVOCs
2	A	Total Metals
2	A	Total Metals
2	A	SPLP Metals
2	A	pH

Quote #:

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

PAGE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	DATE	TIME	DATE	TIME	DATE	TIME
		DATE	TIME							
014	M11-1(0-5)-101415	10-14-15	0610	S	10-14-15	0610				
015	M11-1(5-9)-101415	10-14-15	0815	S	10-14-15	0815				
016	M11-2(0-5)-101415	10-14-15	0838	S	10-14-15	0838				
017	M11-2(5-9)-101415	10-14-15	0842	S	10-14-15	0842				
018	M11-3(0-5)-101415	10-14-15	0900	S	10-14-15	0900				
019	M11-3(5-9)-101415	10-14-15	0905	S	10-14-15	0905				
020	M11-4(0-6)-101415	10-14-15	0920	S	10-14-15	0920				
021	AB-2(0-7)-101415	10-14-15	1000	S	10-14-15	1000				
022	AB-2(0-7)-101415D	10-14-15	100	S	10-14-15	100				
023	AB-1(0-7)-101415	10-14-15	1035	S	10-14-15	1035				
024	V11-1(0-5)-101415	10-14-15	1100	S	10-14-15	1100				
025	V11-1(5-10)-101415	10-14-15	1120	S	10-14-15	1120				
026	V11-2(0-5)-101415	10-14-15	1130	S	10-14-15	1130				

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
Date Needed:

Relinquished By: [Signature]
Date/Time: 10-14-15 1559

Received By: [Signature]
Date/Time: 10/14/15 1329

PACE Project No. 40122890
Receipt Temp = 20.41 Dc
Sample Receipt pH
OK / Adjusted

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Relinquished By: [Signature]
Date/Time: 10/15/15 1035

Received By: [Signature]
Date/Time: 10/15/15 0935

Celex Custody Seal Present / Not Present Intact / Not Intact

(Please Print Clearly)



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CHAIN OF CUSTODY

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Company Name: **EDI**
 Branch/Location: **Phicia/Colin**
 Project Contact: **Phicia/Colin**
 Phone: **912-345-1400**
 Project Number: **0295.020**
 Project Name: **FAT 55**
 Project State: **FL**
 Sampled By (Print): **Colin Paries**
 Sampled By (Sign): *[Signature]*
 PO #:

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD (billable)
 On your sample
 NOT needed on your sample

Matrix Codes
 A = Air
 B = Soda
 C = Charcoal
 O = Oil
 S = Soil
 SI = Sludge
 W = Water
 DW = Drinking Water
 GW = Ground Water
 SW = Surface Water
 WW = Waste Water
 WP = Wipe

Regulatory Program:

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX
027	PV-3(0-8)-101415	10/14/15	0730	Soil
028	PV-4(0-8)-101415	0830		
029	PV-5(0-6)-101415 D	0845		
030	PV-5(0-6)-101415	0840		
031	CC-2(0-5)-101415	0950		
032	CC-2(5-9)-101415	1000		
033	CC-1(0-3)-101415	1010		
034	R-2(0-5)-101415	1025		
035	R-2(5-9)-101415	1035		
036	R-1(0-5)-101415	1050		
037	R-1(0-5)-101415 D	1055		
038	R-1(5-9)-101415	1105		
039	ALZ-12(0-5)-101415	1125		

Filtered? (YES/NO)
 Preservation (CODE)*
 A=None B=HCl C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Analyses Requested	V/N	Pick Letter
VOCs	X	
SVOCs	X	
Total Metals	X	
TCLP Metals	X	
SPLP Metals	X	
pH	X	

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed:

Transmit Prelim Rush Results by (complete what you want):
 Email #1:
 Email #2:
 Telephone:
 Fax:

Relinquished By: *[Signature]* Date/Time: 10/14/15 1535
 Relinquished By: *[Signature]* Date/Time: 10/15/15 0835
 Relinquished By: *[Signature]* Date/Time: 10/15/15 0835

Quote #:
 Mail To Contact:
 Mail To Company:
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)
 Profile #

Received By: *[Signature]* Date/Time: 10/15/15 1335
 Received By: *[Signature]* Date/Time: 10/15/15 0835
 Received By: *[Signature]* Date/Time: 10/15/15 0835

FACE Project No. 40122800
 Receipt Temp = 00410
 Sample Receipt pH
 OK / Adjusted
 Cooler Custody Seal Present / Not Present Intact / Not Intact

(Please Print Clearly)

Company Name: EDI
Branch/Location:
Project Contact: Patricia Cain
Phone:
Project Number: 0295.0020
Project Name: DOT 035-US6 E-555
Project State: Illinois
Sampled By (Print): Margaret Darnery-Subic
Sampled By (Sign): mgdarnery

CHAIN OF CUSTODY



UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Filtered? (YES/NO)
Preservation (CODE)*

V/I N	Pick Letter	Analyses Requested
N	EF	VOCs
N	A	SVOCs
N	A	Total Metals
N	A	TECP Metals
N	A	OPRP Metals
N	A	PH

Quote #:
Mail To Contact:
Mail To Company:
Mail To Address:
Invoice To Contact:
Invoice To Company:
Invoice To Address:
Invoice To Phone:

CLIENT COMMENTS
LAB COMMENTS (Lab Use Only)
Profile #

3-40ml VEE 3-40mg
LAST ITEM

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX
D4D	VU-2(5-10)-101415	10-14-15	1135	S
D4I	VU-3(0-7)-101415	0-14-15	1230	S
D4A	VU-1-3(7-14)-101415	0-14-15	1235	S
D43	VU-1-4(0-5)-101415	10-14-15	1253	S
D44	VU-1-4(5-10)-101415	10-14-15	1258	S
D45	VU-1-5(0-5)-101415	10-14-15	1315	S
D4P	VU-1-5(0-5)-101415D	10-14-15	1315	S

Data Package Options (billable)
 EPA Level III
 EPA Level IV
MS/MSD (billable)
 On your sample
 NOT needed on your sample
Regulatory Program:

Matrix Codes
A = Air B = Bids
C = Charcoal O = Oil
SI = Sludge
W = Water
DW = Drinking Water
GW = Ground Water
SW = Surface Water
WW = Waste Water
WP = Wipe

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Relinquished By: [Signature]
Relinquished By: [Signature]
Relinquished By: [Signature]
Relinquished By: [Signature]
Date/Time: 04-15 1533
Date/Time: 10/15/15 0935
Date/Time: 10/15/15 1730
Date/Time: 10/15/15 0935

Received By: [Signature]
Received By: [Signature]
Received By: [Signature]
Received By: [Signature]
Date/Time: 10/19/15 1333
Date/Time: 10/17/15
Date/Time: 10/15/15 0935
Date/Time:

PACE Project No. 40122890
Receipt Temp = 0.0410
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present Intact / Not Intact

(Please Print Clearly)

Company Name: EDI
 Branch/Location:
 Project Contact: Patricia Kolin
 Phone:
 Project Number: 0295-000
 Project Name: 1DOT 025-US6ET-33
 Project State: Illinois
 Sampled By (Print): Margaret Downey-Skoric
 Sampled By (Sign): *M. Downey-Skoric*
 PO #:
 Regulatory Program:
 Data Package Options:
 (billable)
 EPA Level III
 EPA Level IV
 On your sample (billable)
 NOT needed on your sample
 Matrix Codes:
 A = Air, B = Biot, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WP = Waste Water
 Matrix Codes:
 W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WP = Waste Water



CHAIN OF CUSTODY

Preservation Codes:
 A=None, B=HCL, C=H2SO4, D=HNO3, E=DI Water, F=Methanol, G=NaOH
 H=Sodium Bisulfate Solution, I=Sodium Thiosulfate, J=Other

Y/N	Pick Letter	ANALYSES REQUESTED
N	EF	VOCs
N	A	SVOCs
N	A	Total Metals
N	A	TCP Metals
N	D	SPP Metals
N	A	PH

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	ANALYSES REQUESTED	Y/N	Pick Letter
047	VU-5(5-10)-101415	10-14-15	1320	S	X	X	
048	SG-1(10-7)-101415	10-14-15	1405	S	X	X	
049	SG-2(10-5)-101415	10-14-15	1427	S	X	X	
050	SG-2(5-9)-101415	10-14-15	1432	S	X	X	
051	PG-1(10-5)-101415	10-14-15	1500	S	X	X	
052	PG-1(5-9)-101415	10-14-15	1505	S	X	X	
053	A12-6(15-9)-101415	10-14-15	1510	S	X	X	

Quote #:
 Mail To Contact:
 Mail To Company:
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS:
 LAB COMMENTS (Lab Use Only):
 Profile #:
 PACE Project No. 40122890
 Receipt Temp = 10.4
 Sample Receipt pH
 Cooler/Custody Seal Present / Not Present Intact / Not Intact

UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436



Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Client Name: EDI

Project #:

WO#: 40122890

Courier: Fed Ex UPS Client Pace Other: CS LOGISTICS
Tracking #:



Custody Seal on Cooler/Box Present: X yes - no Seals intact: X yes - no

Custody Seal on Samples Present: yes X no Seals intact: yes - no

Packing Material: Bubble Wrap X Bubble Bags None Other

Thermometer Used SR104 Type of Ice: Wet Blue Dry None X Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 0.04, 1.0 Corr: 0.04, 1.0 Biological Tissue is Frozen: yes

Temp Blank Present: X yes - no

Person examining contents:
Date: 10/15/15
Initials: JL

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows of custody and sample condition checks. Includes items like Chain of Custody Present, Short Hold Time Analysis, Rush Turn Around Time, etc.

Client Notification/ Resolution: Person Contacted: Date/Time: If checked, see attached form for additional comments

Comments/ Resolution: 047 1 of 3 vials no collect date, 023 no collect times 10/15/15

Project Manager Review: Date: 10/15/15



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAI 55: Interstate Route 55 at US Route 6 Office Phone Number, if available: _____

Physical Site Location (address, including number and street):
23830-23846 Eames Street(ISGS Site No. 693V-12)

City: Channahon State: IL Zip Code: _____

County: Will Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.458086237 Longitude: -88.192505989
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

Street Address: 201 West Center Court

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: Schaumburg State: IL

Zip Code: 60196-1096 Phone: 847-705-4101

Zip Code: 60196-1096 Phone: 847-705-4101

Contact: Sam Mead

Contact: Sam Mead

Email, if available: Sam.Mead@illinois.gov

Email, if available: Sam.Mead@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAI 55: Interstate Route 55 at US Route 6

Latitude: 41.458086237 Longitude: -88.192505989

Uncontaminated Site Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

- a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a):

LOCATIONS RC-1 THROUGH RC-3 WAS SAMPLED ADJACENT TO ISGS SITE No. 693V-12. SEE FIGURE 3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

- b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

PACE ANALYTICAL REPORT - JOB ID: 40122822
ALSO SEE FIGURE 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, William F. Karlovitz, P.E. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Weston Solutions, Inc.
 Street Address: 300 Circle Plaza; Suite 202
 City: Mundelein State: IL Zip Code: 60060
 Phone: (224) 864-7200

William F. Karlovitz, P.E.

Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

14 Dec. 2015

Date:



P.E. or L.P.G. Seal:

Summary Table of ISGS Site No. 693V-12
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	RC-1 (0-7)-101315	RC-2 (0-5)-101315	RC-2 (5-9)-101315	RC-3 (0-7)-101315	Soil Reference Concentrations ^A
Sample Date	10/13/2015	10/13/2015	10/13/2015	10/13/2015	
Location ID	RC-1	RC-2	RC-2	RC-3	
Depth	0 - 7	0 - 5	5 - 9	0 - 7	
Lab Sample ID	40122822034	40122822035	40122822036	40122822037	
Location Code	693V-12	693V-12	693V-12	693V-12	
Parameter					
Laboratory pH	8.22 J	8.56 J	8.61 J	8.3 J	<6.25, >9.0
VOCs (ug/kg)					
Acetone	ND	ND	5.3 J	ND	25000
Methyl ethyl ketone	ND	ND	ND	ND	---
Toluene	ND	ND	ND	ND	12000
SVOCS (ug/kg)					
Benzo(a)pyrene	189	101	260	205	90 / 1300 / 2100
Total Metals (mg/kg)					
Arsenic, Total	3.9	5.1	2.7	3	11.3 / 13.0
Barium, Total	45	23.9	12.2	16.2	1500
Beryllium, Total	0.29 J	ND	ND	ND	22
Cadmium, Total	0.27 J	0.28 J	ND	ND	5.2
Calcium, Total	131000	100000	181000	118000	---
Chromium, Total	8.7 J	10.3 J	5 J	4.4 J	21
Cobalt, Total	3.9	4.5	1.5	2	20
Copper, Total	8.7	19.1	5.8	5.8	2900
Iron, Total	8810	11200	11200	4530	15000 / 15900
Lead, Total	16.8	56.5	5.4	5.2	107
Magnesium, Total	73100	59100	102000	69300	325000
Manganese, Total	488	349	637	236	630 / 636
Mercury, Total	0.0077 J	0.0056 J	ND	0.0074 J	0.89
Nickel, Total	8.2 J	10.8 J	4.2 J	4.8 J	100
Potassium, Total	1130 J	821 J	547 J	570 J	---
Selenium, Total	ND	ND	ND	ND	1.3
Sodium, Total	326	611	399	205	---
Thallium, Total	0.64 J	1.1 J	0.55 J	ND	2.6
Vanadium, Total	13	16.6	4.9	7.4	550
Zinc, Total	42.8	42.4	25.6	15.2	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	ND	ND	ND	ND	0.05
Barium, TCLP	0.46 J	ND	ND	0.4 J	2
Beryllium, TCLP	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	0.031 J	ND	1
Copper, TCLP	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	0.56	ND	5
Lead, TCLP	0.0035 J	0.0062 J	0.014	ND	0.0075
Manganese, TCLP	0.41	1.6	3.8	0.41	0.15
Mercury, TCLP	0.00013 J	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	0.035 J	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	0.05
Zinc, TCLP	0.058	0.061	0.68	0.037 J	5
SPLP Metals (mg/l)					
Arsenic, SPLP	ND	ND	ND	ND	0.05
Barium, SPLP	0.34 J	0.48 J	ND	0.59	2
Beryllium, SPLP	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	ND	ND	ND	0.025 J	0.1
Cobalt, SPLP	ND	ND	ND	ND	1
Copper, SPLP	ND	ND	ND	ND	0.65
Iron, SPLP	11.3	6.3	ND	20.1	5
Lead, SPLP	0.02	0.045	ND	0.027	0.0075
Manganese, SPLP	0.16	0.092	ND	0.24	0.15
Mercury, SPLP	0.00017 J	0.00059	0.00023	0.00013 J	0.002
Nickel, SPLP	ND	ND	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	0.05
Zinc, SPLP	0.13	0.26	0.044 J	0.25	5

Summary Table of ISGS Site No. 693V-12
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Notes:

--- - not applicable or value not available.

^A - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.


B - Constituent detected in the blank and investigative sample.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

J+ - Estimated concentration, biased high.

 Shaded values indicate concentration **exceeds** Reference Concentration.

November 10, 2015

Patricia Feeley, P.G.
Environmental Design International Inc.
33 West Monroe Street
Suite 1825
Chicago, IL 606035326

RE: Project: 0295.020 FAI 55
Pace Project No.: 40122822

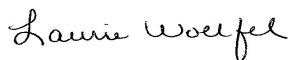
Dear Patricia Feeley, P.G.:

Enclosed are the analytical results for sample(s) received by the laboratory on October 14, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Revised Report REV_1. Added 6010 SPLP Mn to sample 40122822001.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Laurie Woelfel
laurie.woelfel@pacelabs.com
Project Manager

Enclosures

cc: Andrew Dorn, Environmental Design
Colin Pannier, Environmental Design



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Alabama Certification #40770

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

Colorado Certification #Pace

Connecticut Certification #: PH-0256

EPA Region 8 Certification #: 8TMS-L

Florida/NELAP Certification #: E87605

Guam Certification #:14-008r

Georgia Certification #: 959

Georgia EPD #: Pace

Idaho Certification #: MN00064

Hawaii Certification #MN00064

Illinois Certification #: 200011

Indiana Certification#C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky Dept of Envi. Protection - DW #90062

Kentucky Dept of Envi. Protection - WW #:90062

Louisiana DEQ Certification #: 3086

Louisiana DHH #: LA140001

Maine Certification #: 2013011

Maryland Certification #: 322

Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New York Certification #: 11647

North Carolina Certification #: 530

North Carolina State Public Health #: 27700

North Dakota Certification #: R-036

Ohio EPA #: 4150

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Oregon Certification #: MN300001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Saipan (CNMI) #:MP0003

South Carolina #:74003001

Texas Certification #: T104704192

Tennessee Certification #: 02818

Utah Certification #: MN000642013-4

Virginia DGS Certification #: 251

Washington Certification #: C486

West Virginia Certification #: 382

West Virginia DHHR #:9952C

Wisconsin Certification #: 999407970

New Orleans Certification IDs

California Env. Lab Accreditation Program Branch:

11277CA

Florida Department of Health (NELAC): E87595

Illinois Environmental Protection Agency: 0025721

Kansas Department of Health and Environment (NELAC):

E-10266

Louisiana Dept. of Environmental Quality (NELAC/LELAP):

02006

Pennsylvania Dept. of Env Protection (NELAC): 68-04202

Texas Commission on Env. Quality (NELAC):

T104704405-09-TX

U.S. Dept. of Agriculture Foreign Soil Import: P330-10-

00119

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP ID: 460263

Virginia VELAP Certification ID: 460263

Wisconsin Certification #: 405132750

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 200074

Indiana Certification #: C-49-06

Kansas Certification #E-10177

Kentucky UST Certification #: 0042

Kentucky WW Certification #:98019

Louisiana Certification #: 04076

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2014-148

Texas Certification #: T104704355-15-9

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-10-00128

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 15-016-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: RC-1 (0-7)-101315 **Lab ID: 40122822034** Collected: 10/13/15 14:47 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.51	mg/kg	1.0	0.51	1	10/20/15 07:39	10/20/15 18:53	7440-36-0	
Arsenic	3.9	mg/kg	1.0	0.51	1	10/20/15 07:39	10/20/15 18:53	7440-38-2	
Barium	45.0	mg/kg	1.0	0.51	1	10/20/15 07:39	10/20/15 18:53	7440-39-3	
Beryllium	0.29J	mg/kg	0.51	0.26	1	10/20/15 07:39	10/20/15 18:53	7440-41-7	
Cadmium	0.27J	mg/kg	0.51	0.26	1	10/20/15 07:39	10/20/15 18:53	7440-43-9	
Calcium	131000	mg/kg	1020	511	20	10/20/15 07:39	10/20/15 22:05	7440-70-2	4q
Chromium	8.7	mg/kg	1.0	0.51	1	10/20/15 07:39	10/20/15 18:53	7440-47-3	
Cobalt	3.9	mg/kg	1.0	0.51	1	10/20/15 07:39	10/20/15 18:53	7440-48-4	
Copper	8.7	mg/kg	1.0	0.51	1	10/20/15 07:39	10/20/15 18:53	7440-50-8	
Iron	8810	mg/kg	51.1	25.6	1	10/20/15 07:39	10/20/15 18:53	7439-89-6	
Lead	16.8	mg/kg	1.0	0.51	1	10/20/15 07:39	10/20/15 18:53	7439-92-1	
Magnesium	73100	mg/kg	1020	511	20	10/20/15 07:39	10/20/15 22:05	7439-95-4	
Manganese	488	mg/kg	1.0	0.51	1	10/20/15 07:39	10/20/15 18:53	7439-96-5	
Nickel	8.2	mg/kg	1.0	0.51	1	10/20/15 07:39	10/20/15 18:53	7440-02-0	
Potassium	1130	mg/kg	51.1	25.6	1	10/20/15 07:39	10/20/15 18:53	7440-09-7	
Selenium	<0.51	mg/kg	1.0	0.51	1	10/20/15 07:39	10/20/15 18:53	7782-49-2	
Silver	<0.26	mg/kg	0.51	0.26	1	10/20/15 07:39	10/20/15 18:53	7440-22-4	
Sodium	326	mg/kg	51.1	25.6	1	10/20/15 07:39	10/20/15 18:53	7440-23-5	
Thallium	0.64J	mg/kg	1.0	0.51	1	10/20/15 07:39	10/20/15 18:53	7440-28-0	
Vanadium	13.0	mg/kg	1.0	0.51	1	10/20/15 07:39	10/20/15 18:53	7440-62-2	
Zinc	42.8	mg/kg	1.0	0.51	1	10/20/15 07:39	10/20/15 18:53	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/16/15 05:06

Arsenic	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:05	7440-38-2	
Barium	0.34J	mg/L	0.50	0.25	1	10/19/15 16:46	10/22/15 16:05	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:05	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/19/15 16:46	10/22/15 16:05	7440-43-9	
Chromium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:05	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:05	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:05	7440-50-8	
Iron	11.3	mg/L	0.50	0.25	1	10/19/15 16:46	10/22/15 16:05	7439-89-6	
Lead	0.020	mg/L	0.0075	0.0038	1	10/19/15 16:46	10/22/15 16:05	7439-92-1	
Manganese	0.16	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:05	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:05	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:05	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:05	7440-22-4	
Zinc	0.13	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:05	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/16/15 04:58

Arsenic	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:22	7440-38-2	
Barium	0.46J	mg/L	0.50	0.25	1	10/19/15 15:36	10/22/15 15:22	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:22	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/19/15 15:36	10/22/15 15:22	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: RC-1 (0-7)-101315 Lab ID: 4012282034 Collected: 10/13/15 14:47 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/16/15 04:58									
Chromium	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:22	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:22	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:22	7440-50-8	
Iron	<0.25	mg/L	0.50	0.25	1	10/19/15 15:36	10/22/15 15:22	7439-89-6	
Lead	0.0035J	mg/L	0.0075	0.0030	1	10/19/15 15:36	10/22/15 15:22	7439-92-1	
Manganese	0.41	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:22	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:22	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:22	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:22	7440-22-4	
Zinc	0.058	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:22	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/16/15 05:06									
Mercury	0.17J	ug/L	0.20	0.10	1	10/19/15 13:35	10/20/15 10:28	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/16/15 04:59									
Mercury	0.13J	ug/L	0.20	0.10	1	10/19/15 13:35	10/20/15 11:15	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.0077J	mg/kg	0.24	0.0047	1	10/19/15 14:39	10/19/15 23:17	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<65.5	ug/kg	218	65.5	1	10/16/15 12:33	10/19/15 15:20	83-32-9	
Acenaphthylene	<65.9	ug/kg	220	65.9	1	10/16/15 12:33	10/19/15 15:20	208-96-8	
Anthracene	<29.5	ug/kg	98.3	29.5	1	10/16/15 12:33	10/19/15 15:20	120-12-7	
Benzo(a)anthracene	139	ug/kg	95.3	28.6	1	10/16/15 12:33	10/19/15 15:20	56-55-3	
Benzo(a)pyrene	189	ug/kg	92.6	27.8	1	10/16/15 12:33	10/19/15 15:20	50-32-8	
Benzo(b)fluoranthene	149	ug/kg	106	31.7	1	10/16/15 12:33	10/19/15 15:20	205-99-2	
Benzo(g,h,i)perylene	170	ug/kg	161	48.3	1	10/16/15 12:33	10/19/15 15:20	191-24-2	
Benzo(k)fluoranthene	215	ug/kg	147	44.2	1	10/16/15 12:33	10/19/15 15:20	207-08-9	
4-Bromophenylphenyl ether	<38.7	ug/kg	129	38.7	1	10/16/15 12:33	10/19/15 15:20	101-55-3	
Butylbenzylphthalate	<29.6	ug/kg	98.7	29.6	1	10/16/15 12:33	10/19/15 15:20	85-68-7	
Carbazole	<28.9	ug/kg	96.3	28.9	1	10/16/15 12:33	10/19/15 15:20	86-74-8	
4-Chloro-3-methylphenol	<57.4	ug/kg	191	57.4	1	10/16/15 12:33	10/19/15 15:20	59-50-7	
4-Chloroaniline	<30.3	ug/kg	101	30.3	1	10/16/15 12:33	10/19/15 15:20	106-47-8	
bis(2-Chloroethoxy)methane	<49.7	ug/kg	166	49.7	1	10/16/15 12:33	10/19/15 15:20	111-91-1	
bis(2-Chloroethyl) ether	<57.6	ug/kg	192	57.6	1	10/16/15 12:33	10/19/15 15:20	111-44-4	
2-Chloronaphthalene	<23.7	ug/kg	79.0	23.7	1	10/16/15 12:33	10/19/15 15:20	91-58-7	
2-Chlorophenol	<46.1	ug/kg	154	46.1	1	10/16/15 12:33	10/19/15 15:20	95-57-8	
4-Chlorophenylphenyl ether	<34.4	ug/kg	115	34.4	1	10/16/15 12:33	10/19/15 15:20	7005-72-3	
Chrysene	180	ug/kg	92.0	27.6	1	10/16/15 12:33	10/19/15 15:20	218-01-9	
Dibenz(a,h)anthracene	<50.1	ug/kg	167	50.1	1	10/16/15 12:33	10/19/15 15:20	53-70-3	
Dibenzofuran	<22.3	ug/kg	74.5	22.3	1	10/16/15 12:33	10/19/15 15:20	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: RC-1 (0-7)-101315 Lab ID: 40122822034 Collected: 10/13/15 14:47 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<58.0	ug/kg	193	58.0	1	10/16/15 12:33	10/19/15 15:20	95-50-1	
1,3-Dichlorobenzene	<25.6	ug/kg	85.2	25.6	1	10/16/15 12:33	10/19/15 15:20	541-73-1	
1,4-Dichlorobenzene	<25.7	ug/kg	85.7	25.7	1	10/16/15 12:33	10/19/15 15:20	106-46-7	
3,3'-Dichlorobenzidine	<50.1	ug/kg	167	50.1	1	10/16/15 12:33	10/19/15 15:20	91-94-1	
2,4-Dichlorophenol	<49.3	ug/kg	164	49.3	1	10/16/15 12:33	10/19/15 15:20	120-83-2	
Diethylphthalate	<30.6	ug/kg	102	30.6	1	10/16/15 12:33	10/19/15 15:20	84-66-2	
2,4-Dimethylphenol	<36.5	ug/kg	122	36.5	1	10/16/15 12:33	10/19/15 15:20	105-67-9	
Dimethylphthalate	<24.0	ug/kg	80.1	24.0	1	10/16/15 12:33	10/19/15 15:20	131-11-3	
Di-n-butylphthalate	<27.6	ug/kg	92.0	27.6	1	10/16/15 12:33	10/19/15 15:20	84-74-2	
4,6-Dinitro-2-methylphenol	<56.9	ug/kg	190	56.9	1	10/16/15 12:33	10/19/15 15:20	534-52-1	
2,4-Dinitrophenol	<56.2	ug/kg	187	56.2	1	10/16/15 12:33	10/19/15 15:20	51-28-5	
2,4-Dinitrotoluene	<26.4	ug/kg	88.0	26.4	1	10/16/15 12:33	10/19/15 15:20	121-14-2	
2,6-Dinitrotoluene	<35.0	ug/kg	117	35.0	1	10/16/15 12:33	10/19/15 15:20	606-20-2	
Di-n-octylphthalate	<41.5	ug/kg	138	41.5	1	10/16/15 12:33	10/19/15 15:20	117-84-0	
bis(2-Ethylhexyl)phthalate	<30.7	ug/kg	102	30.7	1	10/16/15 12:33	10/19/15 15:20	117-81-7	
Fluoranthene	196	ug/kg	87.1	26.1	1	10/16/15 12:33	10/19/15 15:20	206-44-0	
Fluorene	<21.6	ug/kg	71.9	21.6	1	10/16/15 12:33	10/19/15 15:20	86-73-7	
Hexachloro-1,3-butadiene	<47.0	ug/kg	157	47.0	1	10/16/15 12:33	10/19/15 15:20	87-68-3	
Hexachlorobenzene	<31.0	ug/kg	103	31.0	1	10/16/15 12:33	10/19/15 15:20	118-74-1	
Hexachlorocyclopentadiene	<43.7	ug/kg	146	43.7	1	10/16/15 12:33	10/19/15 15:20	77-47-4	
Hexachloroethane	<29.5	ug/kg	98.5	29.5	1	10/16/15 12:33	10/19/15 15:20	67-72-1	
Indeno(1,2,3-cd)pyrene	179	ug/kg	133	39.9	1	10/16/15 12:33	10/19/15 15:20	193-39-5	
Isophorone	<28.4	ug/kg	94.6	28.4	1	10/16/15 12:33	10/19/15 15:20	78-59-1	
2-Methylnaphthalene	<47.9	ug/kg	160	47.9	1	10/16/15 12:33	10/19/15 15:20	91-57-6	
2-Methylphenol(o-Cresol)	<33.5	ug/kg	112	33.5	1	10/16/15 12:33	10/19/15 15:20	95-48-7	
3&4-Methylphenol(m&p Cresol)	<33.8	ug/kg	113	33.8	1	10/16/15 12:33	10/19/15 15:20		
Naphthalene	<64.6	ug/kg	215	64.6	1	10/16/15 12:33	10/19/15 15:20	91-20-3	
2-Nitroaniline	<52.6	ug/kg	175	52.6	1	10/16/15 12:33	10/19/15 15:20	88-74-4	
3-Nitroaniline	<31.4	ug/kg	105	31.4	1	10/16/15 12:33	10/19/15 15:20	99-09-2	
4-Nitroaniline	<76.6	ug/kg	255	76.6	1	10/16/15 12:33	10/19/15 15:20	100-01-6	
Nitrobenzene	<37.4	ug/kg	125	37.4	1	10/16/15 12:33	10/19/15 15:20	98-95-3	
2-Nitrophenol	<58.3	ug/kg	194	58.3	1	10/16/15 12:33	10/19/15 15:20	88-75-5	
4-Nitrophenol	<46.5	ug/kg	155	46.5	1	10/16/15 12:33	10/19/15 15:20	100-02-7	
N-Nitroso-di-n-propylamine	<29.3	ug/kg	97.6	29.3	1	10/16/15 12:33	10/19/15 15:20	621-64-7	
N-Nitrosodiphenylamine	<250	ug/kg	835	250	1	10/16/15 12:33	10/19/15 15:20	86-30-6	
2,2'-Oxybis(1-chloropropane)	<47.6	ug/kg	159	47.6	1	10/16/15 12:33	10/19/15 15:20	108-60-1	
Pentachlorophenol	<40.7	ug/kg	136	40.7	1	10/16/15 12:33	10/19/15 15:20	87-86-5	
Phenanthrene	99.9	ug/kg	78.9	23.7	1	10/16/15 12:33	10/19/15 15:20	85-01-8	
Phenol	<43.8	ug/kg	146	43.8	1	10/16/15 12:33	10/19/15 15:20	108-95-2	
Pyrene	399	ug/kg	136	40.9	1	10/16/15 12:33	10/19/15 15:20	129-00-0	
1,2,4-Trichlorobenzene	<20.9	ug/kg	69.6	20.9	1	10/16/15 12:33	10/19/15 15:20	120-82-1	
2,4,5-Trichlorophenol	<32.6	ug/kg	109	32.6	1	10/16/15 12:33	10/19/15 15:20	95-95-4	
2,4,6-Trichlorophenol	<28.1	ug/kg	93.8	28.1	1	10/16/15 12:33	10/19/15 15:20	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	59	%	45-130		1	10/16/15 12:33	10/19/15 15:20	4165-60-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: RC-1 (0-7)-101315 **Lab ID: 4012282034** Collected: 10/13/15 14:47 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

2-Fluorobiphenyl (S)	68	%	51-130		1	10/16/15 12:33	10/19/15 15:20	321-60-8	
Terphenyl-d14 (S)	134	%	37-134		1	10/16/15 12:33	10/19/15 15:20	1718-51-0	
Phenol-d6 (S)	66	%	36-130		1	10/16/15 12:33	10/19/15 15:20	13127-88-3	
2-Fluorophenol (S)	50	%	37-130		1	10/16/15 12:33	10/19/15 15:20	367-12-4	
2,4,6-Tribromophenol (S)	74	%	30-130		1	10/16/15 12:33	10/19/15 15:20	118-79-6	

8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260

Acetone	<4.2	ug/kg	13.4	4.2	1	10/16/15 12:00	10/16/15 13:01	67-64-1	2q
Benzene	<1.1	ug/kg	3.3	1.1	1	10/16/15 12:00	10/16/15 13:01	71-43-2	
Bromodichloromethane	<0.73	ug/kg	3.3	0.73	1	10/16/15 12:00	10/16/15 13:01	75-27-4	
Bromoform	<0.57	ug/kg	3.3	0.57	1	10/16/15 12:00	10/16/15 13:01	75-25-2	
Bromomethane	<1.0	ug/kg	6.7	1.0	1	10/16/15 12:00	10/16/15 13:01	74-83-9	
2-Butanone (MEK)	<1.9	ug/kg	13.4	1.9	1	10/16/15 12:00	10/16/15 13:01	78-93-3	
Carbon disulfide	<0.86	ug/kg	3.3	0.86	1	10/16/15 12:00	10/16/15 13:01	75-15-0	
Carbon tetrachloride	<1.1	ug/kg	3.3	1.1	1	10/16/15 12:00	10/16/15 13:01	56-23-5	
Chlorobenzene	<1.1	ug/kg	3.3	1.1	1	10/16/15 12:00	10/16/15 13:01	108-90-7	
Chloroethane	<1.3	ug/kg	3.3	1.3	1	10/16/15 12:00	10/16/15 13:01	75-00-3	
Chloroform	<0.63	ug/kg	3.3	0.63	1	10/16/15 12:00	10/16/15 13:01	67-66-3	
Chloromethane	<0.38	ug/kg	3.3	0.38	1	10/16/15 12:00	10/16/15 13:01	74-87-3	
Dibromochloromethane	<1.1	ug/kg	3.3	1.1	1	10/16/15 12:00	10/16/15 13:01	124-48-1	
1,1-Dichloroethane	<1.6	ug/kg	3.3	1.6	1	10/16/15 12:00	10/16/15 13:01	75-34-3	
1,2-Dichloroethane	<0.66	ug/kg	3.3	0.66	1	10/16/15 12:00	10/16/15 13:01	107-06-2	
1,1-Dichloroethene	<1.5	ug/kg	3.3	1.5	1	10/16/15 12:00	10/16/15 13:01	75-35-4	
cis-1,2-Dichloroethene	<0.89	ug/kg	3.3	0.89	1	10/16/15 12:00	10/16/15 13:01	156-59-2	
trans-1,2-Dichloroethene	<0.83	ug/kg	3.3	0.83	1	10/16/15 12:00	10/16/15 13:01	156-60-5	
1,2-Dichloropropane	<0.84	ug/kg	3.3	0.84	1	10/16/15 12:00	10/16/15 13:01	78-87-5	
cis-1,3-Dichloropropene	<0.45	ug/kg	3.3	0.45	1	10/16/15 12:00	10/16/15 13:01	10061-01-5	
trans-1,3-Dichloropropene	<0.62	ug/kg	3.3	0.62	1	10/16/15 12:00	10/16/15 13:01	10061-02-6	
Ethylbenzene	<0.97	ug/kg	3.3	0.97	1	10/16/15 12:00	10/16/15 13:01	100-41-4	
2-Hexanone	<0.99	ug/kg	3.3	0.99	1	10/16/15 12:00	10/16/15 13:01	591-78-6	
Methylene Chloride	<1.2	ug/kg	3.3	1.2	1	10/16/15 12:00	10/16/15 13:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.82	ug/kg	3.3	0.82	1	10/16/15 12:00	10/16/15 13:01	108-10-1	
Methyl-tert-butyl ether	<0.67	ug/kg	3.3	0.67	1	10/16/15 12:00	10/16/15 13:01	1634-04-4	
Styrene	<0.51	ug/kg	3.3	0.51	1	10/16/15 12:00	10/16/15 13:01	100-42-5	
1,1,2,2-Tetrachloroethane	<1.4	ug/kg	3.3	1.4	1	10/16/15 12:00	10/16/15 13:01	79-34-5	
Tetrachloroethene	<1.1	ug/kg	3.3	1.1	1	10/16/15 12:00	10/16/15 13:01	127-18-4	
Toluene	<1.0	ug/kg	3.3	1.0	1	10/16/15 12:00	10/16/15 13:01	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/kg	3.3	1.0	1	10/16/15 12:00	10/16/15 13:01	71-55-6	
1,1,2-Trichloroethane	<1.3	ug/kg	3.3	1.3	1	10/16/15 12:00	10/16/15 13:01	79-00-5	
Trichloroethene	<1.3	ug/kg	3.3	1.3	1	10/16/15 12:00	10/16/15 13:01	79-01-6	
Vinyl chloride	<0.37	ug/kg	3.3	0.37	1	10/16/15 12:00	10/16/15 13:01	75-01-4	
Xylene (Total)	<3.0	ug/kg	10.0	3.0	1	10/16/15 12:00	10/16/15 13:01	1330-20-7	

Surrogates

Dibromofluoromethane (S)	104	%	70-130		1	10/16/15 12:00	10/16/15 13:01	1868-53-7	
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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: RC-1 (0-7)-101315 **Lab ID: 40122822034** Collected: 10/13/15 14:47 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	107	%	67-138		1	10/16/15 12:00	10/16/15 13:01	2037-26-5	
4-Bromofluorobenzene (S)	83	%	68-130		1	10/16/15 12:00	10/16/15 13:01	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	9.6	%	0.10	0.10	1		10/14/15 19:36		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.22	Std. Units	0.100	0.0100	1		10/15/15 20:45		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: RC-2 (0-5)-101315 Lab ID: 40122822035 Collected: 10/13/15 15:05 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.51	mg/kg	1.0	0.51	1	10/20/15 07:39	10/20/15 18:55	7440-36-0	
Arsenic	5.1	mg/kg	1.0	0.51	1	10/20/15 07:39	10/20/15 18:55	7440-38-2	
Barium	23.9	mg/kg	1.0	0.51	1	10/20/15 07:39	10/20/15 18:55	7440-39-3	
Beryllium	<0.25	mg/kg	0.51	0.25	1	10/20/15 07:39	10/20/15 18:55	7440-41-7	
Cadmium	0.28J	mg/kg	0.51	0.25	1	10/20/15 07:39	10/20/15 18:55	7440-43-9	
Calcium	100000	mg/kg	1020	508	20	10/20/15 07:39	10/20/15 22:07	7440-70-2	4q
Chromium	10.3	mg/kg	1.0	0.51	1	10/20/15 07:39	10/20/15 18:55	7440-47-3	
Cobalt	4.5	mg/kg	1.0	0.51	1	10/20/15 07:39	10/20/15 18:55	7440-48-4	
Copper	19.1	mg/kg	1.0	0.51	1	10/20/15 07:39	10/20/15 18:55	7440-50-8	
Iron	11200	mg/kg	50.8	25.4	1	10/20/15 07:39	10/20/15 18:55	7439-89-6	
Lead	56.5	mg/kg	1.0	0.51	1	10/20/15 07:39	10/20/15 18:55	7439-92-1	
Magnesium	59100	mg/kg	1020	508	20	10/20/15 07:39	10/20/15 22:07	7439-95-4	
Manganese	349	mg/kg	1.0	0.51	1	10/20/15 07:39	10/20/15 18:55	7439-96-5	
Nickel	10.8	mg/kg	1.0	0.51	1	10/20/15 07:39	10/20/15 18:55	7440-02-0	
Potassium	821	mg/kg	50.8	25.4	1	10/20/15 07:39	10/20/15 18:55	7440-09-7	
Selenium	<0.51	mg/kg	1.0	0.51	1	10/20/15 07:39	10/20/15 18:55	7782-49-2	
Silver	<0.25	mg/kg	0.51	0.25	1	10/20/15 07:39	10/20/15 18:55	7440-22-4	
Sodium	611	mg/kg	50.8	25.4	1	10/20/15 07:39	10/20/15 18:55	7440-23-5	
Thallium	1.1	mg/kg	1.0	0.51	1	10/20/15 07:39	10/20/15 18:55	7440-28-0	
Vanadium	16.6	mg/kg	1.0	0.51	1	10/20/15 07:39	10/20/15 18:55	7440-62-2	
Zinc	42.4	mg/kg	1.0	0.51	1	10/20/15 07:39	10/20/15 18:55	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/16/15 05:06

Arsenic	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:08	7440-38-2	
Barium	0.48J	mg/L	0.50	0.25	1	10/19/15 16:46	10/22/15 16:08	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:08	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/19/15 16:46	10/22/15 16:08	7440-43-9	
Chromium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:08	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:08	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:08	7440-50-8	
Iron	6.3	mg/L	0.50	0.25	1	10/19/15 16:46	10/22/15 16:08	7439-89-6	
Lead	0.045	mg/L	0.0075	0.0038	1	10/19/15 16:46	10/22/15 16:08	7439-92-1	
Manganese	0.092	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:08	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:08	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:08	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:08	7440-22-4	
Zinc	0.26	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:08	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/16/15 04:58

Arsenic	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:24	7440-38-2	
Barium	<0.25	mg/L	0.50	0.25	1	10/19/15 15:36	10/22/15 15:24	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:24	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/19/15 15:36	10/22/15 15:24	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: RC-2 (0-5)-101315 **Lab ID: 4012282035** Collected: 10/13/15 15:05 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/16/15 04:58									
Chromium	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:24	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:24	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:24	7440-50-8	
Iron	<0.25	mg/L	0.50	0.25	1	10/19/15 15:36	10/22/15 15:24	7439-89-6	
Lead	0.0062J	mg/L	0.0075	0.0030	1	10/19/15 15:36	10/22/15 15:24	7439-92-1	
Manganese	1.6	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:24	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:24	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:24	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:24	7440-22-4	
Zinc	0.061	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:24	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/16/15 05:06									
Mercury	0.59	ug/L	0.20	0.10	1	10/19/15 13:35	10/20/15 10:31	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/16/15 04:59									
Mercury	<0.10	ug/L	0.20	0.10	1	10/19/15 13:35	10/20/15 11:17	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.0056J	mg/kg	0.21	0.0042	1	10/19/15 14:39	10/19/15 23:19	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<62.0	ug/kg	207	62.0	1	10/16/15 12:33	10/20/15 11:36	83-32-9	
Acenaphthylene	<62.4	ug/kg	208	62.4	1	10/16/15 12:33	10/20/15 11:36	208-96-8	
Anthracene	<28.0	ug/kg	93.2	28.0	1	10/16/15 12:33	10/20/15 11:36	120-12-7	
Benzo(a)anthracene	69.0J	ug/kg	90.3	27.1	1	10/16/15 12:33	10/20/15 11:36	56-55-3	
Benzo(a)pyrene	101	ug/kg	87.8	26.3	1	10/16/15 12:33	10/20/15 11:36	50-32-8	
Benzo(b)fluoranthene	108	ug/kg	100	30.1	1	10/16/15 12:33	10/20/15 11:36	205-99-2	
Benzo(g,h,i)perylene	116J	ug/kg	153	45.8	1	10/16/15 12:33	10/20/15 11:36	191-24-2	
Benzo(k)fluoranthene	101J	ug/kg	140	41.9	1	10/16/15 12:33	10/20/15 11:36	207-08-9	
4-Bromophenylphenyl ether	<36.6	ug/kg	122	36.6	1	10/16/15 12:33	10/20/15 11:36	101-55-3	
Butylbenzylphthalate	<28.1	ug/kg	93.5	28.1	1	10/16/15 12:33	10/20/15 11:36	85-68-7	
Carbazole	<27.4	ug/kg	91.3	27.4	1	10/16/15 12:33	10/20/15 11:36	86-74-8	
4-Chloro-3-methylphenol	<54.4	ug/kg	181	54.4	1	10/16/15 12:33	10/20/15 11:36	59-50-7	
4-Chloroaniline	<28.8	ug/kg	95.8	28.8	1	10/16/15 12:33	10/20/15 11:36	106-47-8	
bis(2-Chloroethoxy)methane	<47.1	ug/kg	157	47.1	1	10/16/15 12:33	10/20/15 11:36	111-91-1	
bis(2-Chloroethyl) ether	<54.6	ug/kg	182	54.6	1	10/16/15 12:33	10/20/15 11:36	111-44-4	
2-Chloronaphthalene	<22.5	ug/kg	74.9	22.5	1	10/16/15 12:33	10/20/15 11:36	91-58-7	
2-Chlorophenol	<43.7	ug/kg	146	43.7	1	10/16/15 12:33	10/20/15 11:36	95-57-8	
4-Chlorophenylphenyl ether	<32.6	ug/kg	109	32.6	1	10/16/15 12:33	10/20/15 11:36	7005-72-3	
Chrysene	88.3	ug/kg	87.2	26.2	1	10/16/15 12:33	10/20/15 11:36	218-01-9	
Dibenz(a,h)anthracene	59.9J	ug/kg	158	47.5	1	10/16/15 12:33	10/20/15 11:36	53-70-3	
Dibenzofuran	<21.2	ug/kg	70.6	21.2	1	10/16/15 12:33	10/20/15 11:36	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: RC-2 (0-5)-101315 **Lab ID: 40122822035** Collected: 10/13/15 15:05 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<55.0	ug/kg	183	55.0	1	10/16/15 12:33	10/20/15 11:36	95-50-1	
1,3-Dichlorobenzene	<24.2	ug/kg	80.8	24.2	1	10/16/15 12:33	10/20/15 11:36	541-73-1	
1,4-Dichlorobenzene	<24.4	ug/kg	81.3	24.4	1	10/16/15 12:33	10/20/15 11:36	106-46-7	
3,3'-Dichlorobenzidine	<47.5	ug/kg	158	47.5	1	10/16/15 12:33	10/20/15 11:36	91-94-1	
2,4-Dichlorophenol	<46.8	ug/kg	156	46.8	1	10/16/15 12:33	10/20/15 11:36	120-83-2	
Diethylphthalate	<29.0	ug/kg	96.7	29.0	1	10/16/15 12:33	10/20/15 11:36	84-66-2	
2,4-Dimethylphenol	<34.6	ug/kg	115	34.6	1	10/16/15 12:33	10/20/15 11:36	105-67-9	
Dimethylphthalate	<22.8	ug/kg	75.9	22.8	1	10/16/15 12:33	10/20/15 11:36	131-11-3	
Di-n-butylphthalate	<26.2	ug/kg	87.2	26.2	1	10/16/15 12:33	10/20/15 11:36	84-74-2	
4,6-Dinitro-2-methylphenol	<53.9	ug/kg	180	53.9	1	10/16/15 12:33	10/20/15 11:36	534-52-1	
2,4-Dinitrophenol	<53.3	ug/kg	178	53.3	1	10/16/15 12:33	10/20/15 11:36	51-28-5	
2,4-Dinitrotoluene	<25.0	ug/kg	83.4	25.0	1	10/16/15 12:33	10/20/15 11:36	121-14-2	
2,6-Dinitrotoluene	<33.2	ug/kg	111	33.2	1	10/16/15 12:33	10/20/15 11:36	606-20-2	
Di-n-octylphthalate	<39.3	ug/kg	131	39.3	1	10/16/15 12:33	10/20/15 11:36	117-84-0	
bis(2-Ethylhexyl)phthalate	31.5J	ug/kg	97.0	29.1	1	10/16/15 12:33	10/20/15 11:36	117-81-7	
Fluoranthene	120	ug/kg	82.5	24.8	1	10/16/15 12:33	10/20/15 11:36	206-44-0	
Fluorene	<20.5	ug/kg	68.2	20.5	1	10/16/15 12:33	10/20/15 11:36	86-73-7	
Hexachloro-1,3-butadiene	<44.6	ug/kg	149	44.6	1	10/16/15 12:33	10/20/15 11:36	87-68-3	
Hexachlorobenzene	<29.4	ug/kg	98.1	29.4	1	10/16/15 12:33	10/20/15 11:36	118-74-1	
Hexachlorocyclopentadiene	<41.4	ug/kg	138	41.4	1	10/16/15 12:33	10/20/15 11:36	77-47-4	
Hexachloroethane	<28.0	ug/kg	93.3	28.0	1	10/16/15 12:33	10/20/15 11:36	67-72-1	
Indeno(1,2,3-cd)pyrene	103J	ug/kg	126	37.9	1	10/16/15 12:33	10/20/15 11:36	193-39-5	
Isophorone	<26.9	ug/kg	89.7	26.9	1	10/16/15 12:33	10/20/15 11:36	78-59-1	
2-Methylnaphthalene	<45.4	ug/kg	151	45.4	1	10/16/15 12:33	10/20/15 11:36	91-57-6	
2-Methylphenol(o-Cresol)	<31.8	ug/kg	106	31.8	1	10/16/15 12:33	10/20/15 11:36	95-48-7	
3&4-Methylphenol(m&p Cresol)	<32.1	ug/kg	107	32.1	1	10/16/15 12:33	10/20/15 11:36		
Naphthalene	<61.2	ug/kg	204	61.2	1	10/16/15 12:33	10/20/15 11:36	91-20-3	
2-Nitroaniline	<49.9	ug/kg	166	49.9	1	10/16/15 12:33	10/20/15 11:36	88-74-4	
3-Nitroaniline	<29.8	ug/kg	99.2	29.8	1	10/16/15 12:33	10/20/15 11:36	99-09-2	
4-Nitroaniline	<72.6	ug/kg	242	72.6	1	10/16/15 12:33	10/20/15 11:36	100-01-6	
Nitrobenzene	<35.5	ug/kg	118	35.5	1	10/16/15 12:33	10/20/15 11:36	98-95-3	
2-Nitrophenol	<55.2	ug/kg	184	55.2	1	10/16/15 12:33	10/20/15 11:36	88-75-5	
4-Nitrophenol	<44.1	ug/kg	147	44.1	1	10/16/15 12:33	10/20/15 11:36	100-02-7	
N-Nitroso-di-n-propylamine	<27.8	ug/kg	92.5	27.8	1	10/16/15 12:33	10/20/15 11:36	621-64-7	
N-Nitrosodiphenylamine	<237	ug/kg	791	237	1	10/16/15 12:33	10/20/15 11:36	86-30-6	
2,2'-Oxybis(1-chloropropane)	<45.1	ug/kg	150	45.1	1	10/16/15 12:33	10/20/15 11:36	108-60-1	
Pentachlorophenol	<38.5	ug/kg	128	38.5	1	10/16/15 12:33	10/20/15 11:36	87-86-5	
Phenanthrene	51.0J	ug/kg	74.8	22.4	1	10/16/15 12:33	10/20/15 11:36	85-01-8	
Phenol	<41.5	ug/kg	138	41.5	1	10/16/15 12:33	10/20/15 11:36	108-95-2	
Pyrene	167	ug/kg	129	38.8	1	10/16/15 12:33	10/20/15 11:36	129-00-0	
1,2,4-Trichlorobenzene	<19.8	ug/kg	65.9	19.8	1	10/16/15 12:33	10/20/15 11:36	120-82-1	
2,4,5-Trichlorophenol	<30.9	ug/kg	103	30.9	1	10/16/15 12:33	10/20/15 11:36	95-95-4	
2,4,6-Trichlorophenol	<26.7	ug/kg	88.9	26.7	1	10/16/15 12:33	10/20/15 11:36	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	56	%	45-130		1	10/16/15 12:33	10/20/15 11:36	4165-60-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: RC-2 (0-5)-101315 **Lab ID: 40122822035** Collected: 10/13/15 15:05 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	64	%	51-130		1	10/16/15 12:33	10/20/15 11:36	321-60-8	
Terphenyl-d14 (S)	123	%	37-134		1	10/16/15 12:33	10/20/15 11:36	1718-51-0	
Phenol-d6 (S)	60	%	36-130		1	10/16/15 12:33	10/20/15 11:36	13127-88-3	
2-Fluorophenol (S)	47	%	37-130		1	10/16/15 12:33	10/20/15 11:36	367-12-4	
2,4,6-Tribromophenol (S)	78	%	30-130		1	10/16/15 12:33	10/20/15 11:36	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.5	ug/kg	14.3	4.5	1	10/16/15 12:00	10/16/15 13:23	67-64-1	2q
Benzene	<1.2	ug/kg	3.6	1.2	1	10/16/15 12:00	10/16/15 13:23	71-43-2	
Bromodichloromethane	<0.79	ug/kg	3.6	0.79	1	10/16/15 12:00	10/16/15 13:23	75-27-4	
Bromoform	<0.61	ug/kg	3.6	0.61	1	10/16/15 12:00	10/16/15 13:23	75-25-2	
Bromomethane	<1.1	ug/kg	7.2	1.1	1	10/16/15 12:00	10/16/15 13:23	74-83-9	
2-Butanone (MEK)	<2.0	ug/kg	14.3	2.0	1	10/16/15 12:00	10/16/15 13:23	78-93-3	
Carbon disulfide	<0.93	ug/kg	3.6	0.93	1	10/16/15 12:00	10/16/15 13:23	75-15-0	
Carbon tetrachloride	<1.1	ug/kg	3.6	1.1	1	10/16/15 12:00	10/16/15 13:23	56-23-5	
Chlorobenzene	<1.1	ug/kg	3.6	1.1	1	10/16/15 12:00	10/16/15 13:23	108-90-7	
Chloroethane	<1.4	ug/kg	3.6	1.4	1	10/16/15 12:00	10/16/15 13:23	75-00-3	
Chloroform	<0.68	ug/kg	3.6	0.68	1	10/16/15 12:00	10/16/15 13:23	67-66-3	
Chloromethane	<0.40	ug/kg	3.6	0.40	1	10/16/15 12:00	10/16/15 13:23	74-87-3	
Dibromochloromethane	<1.2	ug/kg	3.6	1.2	1	10/16/15 12:00	10/16/15 13:23	124-48-1	
1,1-Dichloroethane	<1.7	ug/kg	3.6	1.7	1	10/16/15 12:00	10/16/15 13:23	75-34-3	
1,2-Dichloroethane	<0.70	ug/kg	3.6	0.70	1	10/16/15 12:00	10/16/15 13:23	107-06-2	
1,1-Dichloroethene	<1.6	ug/kg	3.6	1.6	1	10/16/15 12:00	10/16/15 13:23	75-35-4	
cis-1,2-Dichloroethene	<0.95	ug/kg	3.6	0.95	1	10/16/15 12:00	10/16/15 13:23	156-59-2	
trans-1,2-Dichloroethene	<0.89	ug/kg	3.6	0.89	1	10/16/15 12:00	10/16/15 13:23	156-60-5	
1,2-Dichloropropane	<0.90	ug/kg	3.6	0.90	1	10/16/15 12:00	10/16/15 13:23	78-87-5	
cis-1,3-Dichloropropene	<0.48	ug/kg	3.6	0.48	1	10/16/15 12:00	10/16/15 13:23	10061-01-5	
trans-1,3-Dichloropropene	<0.66	ug/kg	3.6	0.66	1	10/16/15 12:00	10/16/15 13:23	10061-02-6	
Ethylbenzene	<1.0	ug/kg	3.6	1.0	1	10/16/15 12:00	10/16/15 13:23	100-41-4	
2-Hexanone	<1.1	ug/kg	3.6	1.1	1	10/16/15 12:00	10/16/15 13:23	591-78-6	
Methylene Chloride	<1.3	ug/kg	3.6	1.3	1	10/16/15 12:00	10/16/15 13:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.88	ug/kg	3.6	0.88	1	10/16/15 12:00	10/16/15 13:23	108-10-1	
Methyl-tert-butyl ether	<0.72	ug/kg	3.6	0.72	1	10/16/15 12:00	10/16/15 13:23	1634-04-4	
Styrene	<0.54	ug/kg	3.6	0.54	1	10/16/15 12:00	10/16/15 13:23	100-42-5	
1,1,2,2-Tetrachloroethane	<1.5	ug/kg	3.6	1.5	1	10/16/15 12:00	10/16/15 13:23	79-34-5	
Tetrachloroethene	<1.1	ug/kg	3.6	1.1	1	10/16/15 12:00	10/16/15 13:23	127-18-4	
Toluene	<1.1	ug/kg	3.6	1.1	1	10/16/15 12:00	10/16/15 13:23	108-88-3	
1,1,1-Trichloroethane	<1.1	ug/kg	3.6	1.1	1	10/16/15 12:00	10/16/15 13:23	71-55-6	
1,1,2-Trichloroethane	<1.4	ug/kg	3.6	1.4	1	10/16/15 12:00	10/16/15 13:23	79-00-5	
Trichloroethene	<1.4	ug/kg	3.6	1.4	1	10/16/15 12:00	10/16/15 13:23	79-01-6	
Vinyl chloride	<0.39	ug/kg	3.6	0.39	1	10/16/15 12:00	10/16/15 13:23	75-01-4	
Xylene (Total)	<3.2	ug/kg	10.8	3.2	1	10/16/15 12:00	10/16/15 13:23	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	104	%	70-130		1	10/16/15 12:00	10/16/15 13:23	1868-53-7	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: RC-2 (0-5)-101315 **Lab ID: 40122822035** Collected: 10/13/15 15:05 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	99	%	67-138		1	10/16/15 12:00	10/16/15 13:23	2037-26-5	
4-Bromofluorobenzene (S)	92	%	68-130		1	10/16/15 12:00	10/16/15 13:23	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	4.6	%	0.10	0.10	1		10/14/15 19:36		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.56	Std. Units	0.100	0.0100	1		10/15/15 20:45		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: RC-2 (5-9)-101315 Lab ID: 40122822036 Collected: 10/13/15 15:10 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.48	mg/kg	0.96	0.48	1	10/20/15 07:39	10/20/15 19:06	7440-36-0	
Arsenic	2.7	mg/kg	0.96	0.48	1	10/20/15 07:39	10/20/15 19:06	7440-38-2	
Barium	12.2	mg/kg	0.96	0.48	1	10/20/15 07:39	10/20/15 19:06	7440-39-3	
Beryllium	<0.24	mg/kg	0.48	0.24	1	10/20/15 07:39	10/20/15 19:06	7440-41-7	
Cadmium	<0.24	mg/kg	0.48	0.24	1	10/20/15 07:39	10/20/15 19:06	7440-43-9	
Calcium	181000	mg/kg	956	478	20	10/20/15 07:39	10/20/15 22:22	7440-70-2	4q
Chromium	5.0	mg/kg	0.96	0.48	1	10/20/15 07:39	10/20/15 19:06	7440-47-3	
Cobalt	1.5	mg/kg	0.96	0.48	1	10/20/15 07:39	10/20/15 19:06	7440-48-4	
Copper	5.8	mg/kg	0.96	0.48	1	10/20/15 07:39	10/20/15 19:06	7440-50-8	
Iron	11200	mg/kg	47.8	23.9	1	10/20/15 07:39	10/20/15 19:06	7439-89-6	
Lead	5.4	mg/kg	0.96	0.48	1	10/20/15 07:39	10/20/15 19:06	7439-92-1	
Magnesium	102000	mg/kg	956	478	20	10/20/15 07:39	10/20/15 22:22	7439-95-4	
Manganese	637	mg/kg	0.96	0.48	1	10/20/15 07:39	10/20/15 19:06	7439-96-5	
Nickel	4.2	mg/kg	0.96	0.48	1	10/20/15 07:39	10/20/15 19:06	7440-02-0	
Potassium	547	mg/kg	47.8	23.9	1	10/20/15 07:39	10/20/15 19:06	7440-09-7	
Selenium	<0.48	mg/kg	0.96	0.48	1	10/20/15 07:39	10/20/15 19:06	7782-49-2	
Silver	<0.24	mg/kg	0.48	0.24	1	10/20/15 07:39	10/20/15 19:06	7440-22-4	
Sodium	399	mg/kg	47.8	23.9	1	10/20/15 07:39	10/20/15 19:06	7440-23-5	
Thallium	0.55J	mg/kg	0.96	0.48	1	10/20/15 07:39	10/20/15 19:06	7440-28-0	
Vanadium	4.9	mg/kg	0.96	0.48	1	10/20/15 07:39	10/20/15 19:06	7440-62-2	
Zinc	25.6	mg/kg	0.96	0.48	1	10/20/15 07:39	10/20/15 19:06	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/16/15 05:06

Arsenic	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:10	7440-38-2	
Barium	<0.25	mg/L	0.50	0.25	1	10/19/15 16:46	10/22/15 16:10	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:10	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/19/15 16:46	10/22/15 16:10	7440-43-9	
Chromium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:10	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:10	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:10	7440-50-8	
Iron	<0.25	mg/L	0.50	0.25	1	10/19/15 16:46	10/22/15 16:10	7439-89-6	
Lead	<0.0038	mg/L	0.0075	0.0038	1	10/19/15 16:46	10/22/15 16:10	7439-92-1	
Manganese	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:10	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:10	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:10	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:10	7440-22-4	
Zinc	0.044J	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:10	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/16/15 04:58

Arsenic	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:40	7440-38-2	
Barium	<0.25	mg/L	0.50	0.25	1	10/19/15 15:36	10/22/15 15:40	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:40	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/19/15 15:36	10/22/15 15:40	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: RC-2 (5-9)-101315 **Lab ID: 4012282036** Collected: 10/13/15 15:10 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/16/15 04:58									
Chromium	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:40	7440-47-3	
Cobalt	0.031J	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:40	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:40	7440-50-8	
Iron	0.56	mg/L	0.50	0.25	1	10/19/15 15:36	10/22/15 15:40	7439-89-6	
Lead	0.014	mg/L	0.0075	0.0030	1	10/19/15 15:36	10/22/15 15:40	7439-92-1	
Manganese	3.8	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:40	7439-96-5	
Nickel	0.035J	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:40	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:40	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:40	7440-22-4	
Zinc	0.68	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:40	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/16/15 05:06									
Mercury	0.23	ug/L	0.20	0.10	1	10/19/15 13:35	10/20/15 10:33	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/16/15 04:59									
Mercury	<0.10	ug/L	0.20	0.10	1	10/19/15 13:35	10/20/15 11:54	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	<0.0043	mg/kg	0.21	0.0043	1	10/19/15 14:39	10/19/15 23:22	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<63.7	ug/kg	212	63.7	1	10/16/15 12:33	10/20/15 13:14	83-32-9	
Acenaphthylene	<64.0	ug/kg	213	64.0	1	10/16/15 12:33	10/20/15 13:14	208-96-8	
Anthracene	39.8J	ug/kg	95.6	28.7	1	10/16/15 12:33	10/20/15 13:14	120-12-7	
Benzo(a)anthracene	221	ug/kg	92.7	27.8	1	10/16/15 12:33	10/20/15 13:14	56-55-3	
Benzo(a)pyrene	260	ug/kg	90.0	27.0	1	10/16/15 12:33	10/20/15 13:14	50-32-8	
Benzo(b)fluoranthene	256	ug/kg	103	30.8	1	10/16/15 12:33	10/20/15 13:14	205-99-2	
Benzo(g,h,i)perylene	227	ug/kg	157	47.0	1	10/16/15 12:33	10/20/15 13:14	191-24-2	
Benzo(k)fluoranthene	292	ug/kg	143	43.0	1	10/16/15 12:33	10/20/15 13:14	207-08-9	
4-Bromophenylphenyl ether	<37.6	ug/kg	125	37.6	1	10/16/15 12:33	10/20/15 13:14	101-55-3	
Butylbenzylphthalate	<28.8	ug/kg	96.0	28.8	1	10/16/15 12:33	10/20/15 13:14	85-68-7	
Carbazole	<28.1	ug/kg	93.7	28.1	1	10/16/15 12:33	10/20/15 13:14	86-74-8	
4-Chloro-3-methylphenol	<55.9	ug/kg	186	55.9	1	10/16/15 12:33	10/20/15 13:14	59-50-7	
4-Chloroaniline	<29.5	ug/kg	98.3	29.5	1	10/16/15 12:33	10/20/15 13:14	106-47-8	
bis(2-Chloroethoxy)methane	<48.3	ug/kg	161	48.3	1	10/16/15 12:33	10/20/15 13:14	111-91-1	
bis(2-Chloroethyl) ether	<56.0	ug/kg	187	56.0	1	10/16/15 12:33	10/20/15 13:14	111-44-4	
2-Chloronaphthalene	<23.0	ug/kg	76.8	23.0	1	10/16/15 12:33	10/20/15 13:14	91-58-7	
2-Chlorophenol	<44.8	ug/kg	149	44.8	1	10/16/15 12:33	10/20/15 13:14	95-57-8	
4-Chlorophenylphenyl ether	<33.4	ug/kg	111	33.4	1	10/16/15 12:33	10/20/15 13:14	7005-72-3	
Chrysene	306	ug/kg	89.5	26.8	1	10/16/15 12:33	10/20/15 13:14	218-01-9	
Dibenz(a,h)anthracene	76.4J	ug/kg	163	48.8	1	10/16/15 12:33	10/20/15 13:14	53-70-3	
Dibenzofuran	<21.7	ug/kg	72.4	21.7	1	10/16/15 12:33	10/20/15 13:14	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: RC-2 (5-9)-101315 Lab ID: 40122822036 Collected: 10/13/15 15:10 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<56.4	ug/kg	188	56.4	1	10/16/15 12:33	10/20/15 13:14	95-50-1	
1,3-Dichlorobenzene	<24.9	ug/kg	82.9	24.9	1	10/16/15 12:33	10/20/15 13:14	541-73-1	
1,4-Dichlorobenzene	<25.0	ug/kg	83.4	25.0	1	10/16/15 12:33	10/20/15 13:14	106-46-7	
3,3'-Dichlorobenzidine	<48.7	ug/kg	162	48.7	1	10/16/15 12:33	10/20/15 13:14	91-94-1	
2,4-Dichlorophenol	<48.0	ug/kg	160	48.0	1	10/16/15 12:33	10/20/15 13:14	120-83-2	
Diethylphthalate	<29.8	ug/kg	99.2	29.8	1	10/16/15 12:33	10/20/15 13:14	84-66-2	
2,4-Dimethylphenol	<35.5	ug/kg	118	35.5	1	10/16/15 12:33	10/20/15 13:14	105-67-9	
Dimethylphthalate	<23.4	ug/kg	77.8	23.4	1	10/16/15 12:33	10/20/15 13:14	131-11-3	
Di-n-butylphthalate	<26.8	ug/kg	89.4	26.8	1	10/16/15 12:33	10/20/15 13:14	84-74-2	
4,6-Dinitro-2-methylphenol	<55.3	ug/kg	184	55.3	1	10/16/15 12:33	10/20/15 13:14	534-52-1	
2,4-Dinitrophenol	<54.7	ug/kg	182	54.7	1	10/16/15 12:33	10/20/15 13:14	51-28-5	
2,4-Dinitrotoluene	<25.7	ug/kg	85.6	25.7	1	10/16/15 12:33	10/20/15 13:14	121-14-2	
2,6-Dinitrotoluene	<34.1	ug/kg	114	34.1	1	10/16/15 12:33	10/20/15 13:14	606-20-2	
Di-n-octylphthalate	<40.4	ug/kg	135	40.4	1	10/16/15 12:33	10/20/15 13:14	117-84-0	
bis(2-Ethylhexyl)phthalate	<29.8	ug/kg	99.5	29.8	1	10/16/15 12:33	10/20/15 13:14	117-81-7	
Fluoranthene	303	ug/kg	84.7	25.4	1	10/16/15 12:33	10/20/15 13:14	206-44-0	
Fluorene	<21.0	ug/kg	69.9	21.0	1	10/16/15 12:33	10/20/15 13:14	86-73-7	
Hexachloro-1,3-butadiene	<45.7	ug/kg	152	45.7	1	10/16/15 12:33	10/20/15 13:14	87-68-3	
Hexachlorobenzene	<30.2	ug/kg	101	30.2	1	10/16/15 12:33	10/20/15 13:14	118-74-1	
Hexachlorocyclopentadiene	<42.5	ug/kg	142	42.5	1	10/16/15 12:33	10/20/15 13:14	77-47-4	
Hexachloroethane	<28.7	ug/kg	95.8	28.7	1	10/16/15 12:33	10/20/15 13:14	67-72-1	
Indeno(1,2,3-cd)pyrene	254	ug/kg	129	38.8	1	10/16/15 12:33	10/20/15 13:14	193-39-5	
Isophorone	<27.6	ug/kg	92.0	27.6	1	10/16/15 12:33	10/20/15 13:14	78-59-1	
2-Methylnaphthalene	<46.6	ug/kg	155	46.6	1	10/16/15 12:33	10/20/15 13:14	91-57-6	
2-Methylphenol(o-Cresol)	<32.6	ug/kg	109	32.6	1	10/16/15 12:33	10/20/15 13:14	95-48-7	
3&4-Methylphenol(m&p Cresol)	<32.9	ug/kg	110	32.9	1	10/16/15 12:33	10/20/15 13:14		
Naphthalene	<62.8	ug/kg	209	62.8	1	10/16/15 12:33	10/20/15 13:14	91-20-3	
2-Nitroaniline	<51.2	ug/kg	171	51.2	1	10/16/15 12:33	10/20/15 13:14	88-74-4	
3-Nitroaniline	<30.5	ug/kg	102	30.5	1	10/16/15 12:33	10/20/15 13:14	99-09-2	
4-Nitroaniline	<74.5	ug/kg	248	74.5	1	10/16/15 12:33	10/20/15 13:14	100-01-6	
Nitrobenzene	<36.4	ug/kg	121	36.4	1	10/16/15 12:33	10/20/15 13:14	98-95-3	
2-Nitrophenol	<56.7	ug/kg	189	56.7	1	10/16/15 12:33	10/20/15 13:14	88-75-5	
4-Nitrophenol	<45.2	ug/kg	151	45.2	1	10/16/15 12:33	10/20/15 13:14	100-02-7	
N-Nitroso-di-n-propylamine	<28.5	ug/kg	94.9	28.5	1	10/16/15 12:33	10/20/15 13:14	621-64-7	
N-Nitrosodiphenylamine	<244	ug/kg	812	244	1	10/16/15 12:33	10/20/15 13:14	86-30-6	
2,2'-Oxybis(1-chloropropane)	<46.3	ug/kg	154	46.3	1	10/16/15 12:33	10/20/15 13:14	108-60-1	
Pentachlorophenol	<39.5	ug/kg	132	39.5	1	10/16/15 12:33	10/20/15 13:14	87-86-5	
Phenanthrene	202	ug/kg	76.8	23.0	1	10/16/15 12:33	10/20/15 13:14	85-01-8	
Phenol	<42.6	ug/kg	142	42.6	1	10/16/15 12:33	10/20/15 13:14	108-95-2	
Pyrene	812	ug/kg	133	39.8	1	10/16/15 12:33	10/20/15 13:14	129-00-0	
1,2,4-Trichlorobenzene	<20.3	ug/kg	67.6	20.3	1	10/16/15 12:33	10/20/15 13:14	120-82-1	
2,4,5-Trichlorophenol	<31.7	ug/kg	106	31.7	1	10/16/15 12:33	10/20/15 13:14	95-95-4	
2,4,6-Trichlorophenol	<27.4	ug/kg	91.2	27.4	1	10/16/15 12:33	10/20/15 13:14	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	58	%	45-130		1	10/16/15 12:33	10/20/15 13:14	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: RC-2 (5-9)-101315 Lab ID: 40122822036 Collected: 10/13/15 15:10 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	74	%	51-130		1	10/16/15 12:33	10/20/15 13:14	321-60-8	
Terphenyl-d14 (S)	195	%	37-134		1	10/16/15 12:33	10/20/15 13:14	1718-51-0	S0
Phenol-d6 (S)	80	%	36-130		1	10/16/15 12:33	10/20/15 13:14	13127-88-3	
2-Fluorophenol (S)	60	%	37-130		1	10/16/15 12:33	10/20/15 13:14	367-12-4	
2,4,6-Tribromophenol (S)	88	%	30-130		1	10/16/15 12:33	10/20/15 13:14	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	5.3J	ug/kg	13.9	4.3	1	10/16/15 12:00	10/16/15 13:46	67-64-1	1q
Benzene	<1.1	ug/kg	3.5	1.1	1	10/16/15 12:00	10/16/15 13:46	71-43-2	
Bromodichloromethane	<0.76	ug/kg	3.5	0.76	1	10/16/15 12:00	10/16/15 13:46	75-27-4	
Bromoform	<0.59	ug/kg	3.5	0.59	1	10/16/15 12:00	10/16/15 13:46	75-25-2	
Bromomethane	<1.0	ug/kg	6.9	1.0	1	10/16/15 12:00	10/16/15 13:46	74-83-9	
2-Butanone (MEK)	<2.0	ug/kg	13.9	2.0	1	10/16/15 12:00	10/16/15 13:46	78-93-3	
Carbon disulfide	<0.90	ug/kg	3.5	0.90	1	10/16/15 12:00	10/16/15 13:46	75-15-0	
Carbon tetrachloride	<1.1	ug/kg	3.5	1.1	1	10/16/15 12:00	10/16/15 13:46	56-23-5	
Chlorobenzene	<1.1	ug/kg	3.5	1.1	1	10/16/15 12:00	10/16/15 13:46	108-90-7	
Chloroethane	<1.4	ug/kg	3.5	1.4	1	10/16/15 12:00	10/16/15 13:46	75-00-3	
Chloroform	<0.66	ug/kg	3.5	0.66	1	10/16/15 12:00	10/16/15 13:46	67-66-3	
Chloromethane	<0.39	ug/kg	3.5	0.39	1	10/16/15 12:00	10/16/15 13:46	74-87-3	
Dibromochloromethane	<1.2	ug/kg	3.5	1.2	1	10/16/15 12:00	10/16/15 13:46	124-48-1	
1,1-Dichloroethane	<1.6	ug/kg	3.5	1.6	1	10/16/15 12:00	10/16/15 13:46	75-34-3	
1,2-Dichloroethane	<0.68	ug/kg	3.5	0.68	1	10/16/15 12:00	10/16/15 13:46	107-06-2	
1,1-Dichloroethene	<1.6	ug/kg	3.5	1.6	1	10/16/15 12:00	10/16/15 13:46	75-35-4	
cis-1,2-Dichloroethene	<0.92	ug/kg	3.5	0.92	1	10/16/15 12:00	10/16/15 13:46	156-59-2	
trans-1,2-Dichloroethene	<0.86	ug/kg	3.5	0.86	1	10/16/15 12:00	10/16/15 13:46	156-60-5	
1,2-Dichloropropane	<0.88	ug/kg	3.5	0.88	1	10/16/15 12:00	10/16/15 13:46	78-87-5	
cis-1,3-Dichloropropene	<0.46	ug/kg	3.5	0.46	1	10/16/15 12:00	10/16/15 13:46	10061-01-5	
trans-1,3-Dichloropropene	<0.64	ug/kg	3.5	0.64	1	10/16/15 12:00	10/16/15 13:46	10061-02-6	
Ethylbenzene	<1.0	ug/kg	3.5	1.0	1	10/16/15 12:00	10/16/15 13:46	100-41-4	
2-Hexanone	<1.0	ug/kg	3.5	1.0	1	10/16/15 12:00	10/16/15 13:46	591-78-6	
Methylene Chloride	<1.3	ug/kg	3.5	1.3	1	10/16/15 12:00	10/16/15 13:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.85	ug/kg	3.5	0.85	1	10/16/15 12:00	10/16/15 13:46	108-10-1	
Methyl-tert-butyl ether	<0.70	ug/kg	3.5	0.70	1	10/16/15 12:00	10/16/15 13:46	1634-04-4	
Styrene	<0.53	ug/kg	3.5	0.53	1	10/16/15 12:00	10/16/15 13:46	100-42-5	
1,1,2,2-Tetrachloroethane	<1.4	ug/kg	3.5	1.4	1	10/16/15 12:00	10/16/15 13:46	79-34-5	
Tetrachloroethene	<1.1	ug/kg	3.5	1.1	1	10/16/15 12:00	10/16/15 13:46	127-18-4	
Toluene	<1.0	ug/kg	3.5	1.0	1	10/16/15 12:00	10/16/15 13:46	108-88-3	
1,1,1-Trichloroethane	<1.1	ug/kg	3.5	1.1	1	10/16/15 12:00	10/16/15 13:46	71-55-6	
1,1,2-Trichloroethane	<1.3	ug/kg	3.5	1.3	1	10/16/15 12:00	10/16/15 13:46	79-00-5	
Trichloroethene	<1.3	ug/kg	3.5	1.3	1	10/16/15 12:00	10/16/15 13:46	79-01-6	
Vinyl chloride	<0.38	ug/kg	3.5	0.38	1	10/16/15 12:00	10/16/15 13:46	75-01-4	
Xylene (Total)	<3.1	ug/kg	10.4	3.1	1	10/16/15 12:00	10/16/15 13:46	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	101	%	70-130		1	10/16/15 12:00	10/16/15 13:46	1868-53-7	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: RC-2 (5-9)-101315 **Lab ID: 40122822036** Collected: 10/13/15 15:10 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	101	%	67-138		1	10/16/15 12:00	10/16/15 13:46	2037-26-5	
4-Bromofluorobenzene (S)	90	%	68-130		1	10/16/15 12:00	10/16/15 13:46	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	7.0	%	0.10	0.10	1		10/14/15 19:36		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.61	Std. Units	0.100	0.0100	1		10/15/15 20:45		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: RC-3 (0-7)-101315 Lab ID: 4012282037 Collected: 10/13/15 15:20 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.50	mg/kg	1.0	0.50	1	10/20/15 07:39	10/20/15 19:08	7440-36-0	
Arsenic	3.0	mg/kg	1.0	0.50	1	10/20/15 07:39	10/20/15 19:08	7440-38-2	
Barium	16.2	mg/kg	1.0	0.50	1	10/20/15 07:39	10/20/15 19:08	7440-39-3	
Beryllium	<0.25	mg/kg	0.50	0.25	1	10/20/15 07:39	10/20/15 19:08	7440-41-7	
Cadmium	<0.25	mg/kg	0.50	0.25	1	10/20/15 07:39	10/20/15 19:08	7440-43-9	
Calcium	118000	mg/kg	995	498	20	10/20/15 07:39	10/20/15 22:25	7440-70-2	4q
Chromium	4.4	mg/kg	1.0	0.50	1	10/20/15 07:39	10/20/15 19:08	7440-47-3	
Cobalt	2.0	mg/kg	1.0	0.50	1	10/20/15 07:39	10/20/15 19:08	7440-48-4	
Copper	5.8	mg/kg	1.0	0.50	1	10/20/15 07:39	10/20/15 19:08	7440-50-8	
Iron	4530	mg/kg	49.8	24.9	1	10/20/15 07:39	10/20/15 19:08	7439-89-6	
Lead	5.2	mg/kg	1.0	0.50	1	10/20/15 07:39	10/20/15 19:08	7439-92-1	
Magnesium	69300	mg/kg	995	498	20	10/20/15 07:39	10/20/15 22:25	7439-95-4	
Manganese	236	mg/kg	1.0	0.50	1	10/20/15 07:39	10/20/15 19:08	7439-96-5	
Nickel	4.8	mg/kg	1.0	0.50	1	10/20/15 07:39	10/20/15 19:08	7440-02-0	
Potassium	570	mg/kg	49.8	24.9	1	10/20/15 07:39	10/20/15 19:08	7440-09-7	
Selenium	<0.50	mg/kg	1.0	0.50	1	10/20/15 07:39	10/20/15 19:08	7782-49-2	
Silver	<0.25	mg/kg	0.50	0.25	1	10/20/15 07:39	10/20/15 19:08	7440-22-4	
Sodium	205	mg/kg	49.8	24.9	1	10/20/15 07:39	10/20/15 19:08	7440-23-5	
Thallium	<0.50	mg/kg	1.0	0.50	1	10/20/15 07:39	10/20/15 19:08	7440-28-0	
Vanadium	7.4	mg/kg	1.0	0.50	1	10/20/15 07:39	10/20/15 19:08	7440-62-2	
Zinc	15.2	mg/kg	1.0	0.50	1	10/20/15 07:39	10/20/15 19:08	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/16/15 05:06

Arsenic	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:12	7440-38-2	
Barium	0.59	mg/L	0.50	0.25	1	10/19/15 16:46	10/22/15 16:12	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:12	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/19/15 16:46	10/22/15 16:12	7440-43-9	
Chromium	0.025J	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:12	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:12	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:12	7440-50-8	
Iron	20.1	mg/L	0.50	0.25	1	10/19/15 16:46	10/22/15 16:12	7439-89-6	
Lead	0.027	mg/L	0.0075	0.0038	1	10/19/15 16:46	10/22/15 16:12	7439-92-1	
Manganese	0.24	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:12	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:12	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:12	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:12	7440-22-4	
Zinc	0.25	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:12	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/16/15 04:58

Arsenic	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:27	7440-38-2	
Barium	0.40J	mg/L	0.50	0.25	1	10/19/15 15:36	10/22/15 15:27	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:27	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/19/15 15:36	10/22/15 15:27	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: RC-3 (0-7)-101315 **Lab ID: 4012282037** Collected: 10/13/15 15:20 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/16/15 04:58									
Chromium	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:27	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:27	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:27	7440-50-8	
Iron	<0.25	mg/L	0.50	0.25	1	10/19/15 15:36	10/22/15 15:27	7439-89-6	
Lead	<0.0030	mg/L	0.0075	0.0030	1	10/19/15 15:36	10/22/15 15:27	7439-92-1	
Manganese	0.41	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:27	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:27	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:27	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:27	7440-22-4	
Zinc	0.037J	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:27	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/16/15 05:06									
Mercury	0.13J	ug/L	0.20	0.10	1	10/19/15 13:35	10/20/15 10:40	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/16/15 04:59									
Mercury	<0.10	ug/L	0.20	0.10	1	10/19/15 13:35	10/20/15 11:19	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.0074J	mg/kg	0.22	0.0043	1	10/19/15 14:39	10/19/15 23:24	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<64.3	ug/kg	214	64.3	1	10/16/15 12:33	10/20/15 12:09	83-32-9	
Acenaphthylene	<64.6	ug/kg	215	64.6	1	10/16/15 12:33	10/20/15 12:09	208-96-8	
Anthracene	<29.0	ug/kg	96.5	29.0	1	10/16/15 12:33	10/20/15 12:09	120-12-7	
Benzo(a)anthracene	160	ug/kg	93.5	28.1	1	10/16/15 12:33	10/20/15 12:09	56-55-3	
Benzo(a)pyrene	205	ug/kg	90.9	27.3	1	10/16/15 12:33	10/20/15 12:09	50-32-8	
Benzo(b)fluoranthene	215	ug/kg	104	31.1	1	10/16/15 12:33	10/20/15 12:09	205-99-2	
Benzo(g,h,i)perylene	176	ug/kg	158	47.4	1	10/16/15 12:33	10/20/15 12:09	191-24-2	
Benzo(k)fluoranthene	221	ug/kg	145	43.4	1	10/16/15 12:33	10/20/15 12:09	207-08-9	
4-Bromophenylphenyl ether	<38.0	ug/kg	126	38.0	1	10/16/15 12:33	10/20/15 12:09	101-55-3	
Butylbenzylphthalate	<29.1	ug/kg	96.9	29.1	1	10/16/15 12:33	10/20/15 12:09	85-68-7	
Carbazole	<28.4	ug/kg	94.6	28.4	1	10/16/15 12:33	10/20/15 12:09	86-74-8	
4-Chloro-3-methylphenol	<56.4	ug/kg	188	56.4	1	10/16/15 12:33	10/20/15 12:09	59-50-7	
4-Chloroaniline	<29.8	ug/kg	99.3	29.8	1	10/16/15 12:33	10/20/15 12:09	106-47-8	
bis(2-Chloroethoxy)methane	<48.8	ug/kg	163	48.8	1	10/16/15 12:33	10/20/15 12:09	111-91-1	
bis(2-Chloroethyl) ether	<56.6	ug/kg	189	56.6	1	10/16/15 12:33	10/20/15 12:09	111-44-4	
2-Chloronaphthalene	<23.3	ug/kg	77.6	23.3	1	10/16/15 12:33	10/20/15 12:09	91-58-7	
2-Chlorophenol	<45.2	ug/kg	151	45.2	1	10/16/15 12:33	10/20/15 12:09	95-57-8	
4-Chlorophenylphenyl ether	<33.8	ug/kg	113	33.8	1	10/16/15 12:33	10/20/15 12:09	7005-72-3	
Chrysene	211	ug/kg	90.3	27.1	1	10/16/15 12:33	10/20/15 12:09	218-01-9	
Dibenz(a,h)anthracene	50.8J	ug/kg	164	49.2	1	10/16/15 12:33	10/20/15 12:09	53-70-3	
Dibenzofuran	<21.9	ug/kg	73.1	21.9	1	10/16/15 12:33	10/20/15 12:09	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: RC-3 (0-7)-101315 **Lab ID: 4012282037** Collected: 10/13/15 15:20 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<57.0	ug/kg	190	57.0	1	10/16/15 12:33	10/20/15 12:09	95-50-1	
1,3-Dichlorobenzene	<25.1	ug/kg	83.6	25.1	1	10/16/15 12:33	10/20/15 12:09	541-73-1	
1,4-Dichlorobenzene	<25.2	ug/kg	84.2	25.2	1	10/16/15 12:33	10/20/15 12:09	106-46-7	
3,3'-Dichlorobenzidine	<49.2	ug/kg	164	49.2	1	10/16/15 12:33	10/20/15 12:09	91-94-1	
2,4-Dichlorophenol	<48.4	ug/kg	161	48.4	1	10/16/15 12:33	10/20/15 12:09	120-83-2	
Diethylphthalate	<30.0	ug/kg	100	30.0	1	10/16/15 12:33	10/20/15 12:09	84-66-2	
2,4-Dimethylphenol	<35.8	ug/kg	119	35.8	1	10/16/15 12:33	10/20/15 12:09	105-67-9	
Dimethylphthalate	<23.6	ug/kg	78.6	23.6	1	10/16/15 12:33	10/20/15 12:09	131-11-3	
Di-n-butylphthalate	<27.1	ug/kg	90.3	27.1	1	10/16/15 12:33	10/20/15 12:09	84-74-2	
4,6-Dinitro-2-methylphenol	<55.9	ug/kg	186	55.9	1	10/16/15 12:33	10/20/15 12:09	534-52-1	
2,4-Dinitrophenol	<55.2	ug/kg	184	55.2	1	10/16/15 12:33	10/20/15 12:09	51-28-5	
2,4-Dinitrotoluene	<25.9	ug/kg	86.4	25.9	1	10/16/15 12:33	10/20/15 12:09	121-14-2	
2,6-Dinitrotoluene	<34.4	ug/kg	115	34.4	1	10/16/15 12:33	10/20/15 12:09	606-20-2	
Di-n-octylphthalate	<40.7	ug/kg	136	40.7	1	10/16/15 12:33	10/20/15 12:09	117-84-0	
bis(2-Ethylhexyl)phthalate	<30.1	ug/kg	100	30.1	1	10/16/15 12:33	10/20/15 12:09	117-81-7	
Fluoranthene	352	ug/kg	85.5	25.6	1	10/16/15 12:33	10/20/15 12:09	206-44-0	
Fluorene	<21.2	ug/kg	70.6	21.2	1	10/16/15 12:33	10/20/15 12:09	86-73-7	
Hexachloro-1,3-butadiene	<46.2	ug/kg	154	46.2	1	10/16/15 12:33	10/20/15 12:09	87-68-3	
Hexachlorobenzene	<30.5	ug/kg	102	30.5	1	10/16/15 12:33	10/20/15 12:09	118-74-1	
Hexachlorocyclopentadiene	<42.9	ug/kg	143	42.9	1	10/16/15 12:33	10/20/15 12:09	77-47-4	
Hexachloroethane	<29.0	ug/kg	96.7	29.0	1	10/16/15 12:33	10/20/15 12:09	67-72-1	
Indeno(1,2,3-cd)pyrene	197	ug/kg	131	39.2	1	10/16/15 12:33	10/20/15 12:09	193-39-5	
Isophorone	<27.9	ug/kg	92.9	27.9	1	10/16/15 12:33	10/20/15 12:09	78-59-1	
2-Methylnaphthalene	<47.1	ug/kg	157	47.1	1	10/16/15 12:33	10/20/15 12:09	91-57-6	
2-Methylphenol(o-Cresol)	<32.9	ug/kg	110	32.9	1	10/16/15 12:33	10/20/15 12:09	95-48-7	
3&4-Methylphenol(m&p Cresol)	<33.2	ug/kg	111	33.2	1	10/16/15 12:33	10/20/15 12:09		
Naphthalene	<63.4	ug/kg	211	63.4	1	10/16/15 12:33	10/20/15 12:09	91-20-3	
2-Nitroaniline	<51.6	ug/kg	172	51.6	1	10/16/15 12:33	10/20/15 12:09	88-74-4	
3-Nitroaniline	<30.8	ug/kg	103	30.8	1	10/16/15 12:33	10/20/15 12:09	99-09-2	
4-Nitroaniline	<75.2	ug/kg	251	75.2	1	10/16/15 12:33	10/20/15 12:09	100-01-6	
Nitrobenzene	<36.7	ug/kg	122	36.7	1	10/16/15 12:33	10/20/15 12:09	98-95-3	
2-Nitrophenol	<57.2	ug/kg	191	57.2	1	10/16/15 12:33	10/20/15 12:09	88-75-5	
4-Nitrophenol	<45.6	ug/kg	152	45.6	1	10/16/15 12:33	10/20/15 12:09	100-02-7	
N-Nitroso-di-n-propylamine	<28.7	ug/kg	95.8	28.7	1	10/16/15 12:33	10/20/15 12:09	621-64-7	
N-Nitrosodiphenylamine	<246	ug/kg	820	246	1	10/16/15 12:33	10/20/15 12:09	86-30-6	
2,2'-Oxybis(1-chloropropane)	<46.7	ug/kg	156	46.7	1	10/16/15 12:33	10/20/15 12:09	108-60-1	
Pentachlorophenol	<39.9	ug/kg	133	39.9	1	10/16/15 12:33	10/20/15 12:09	87-86-5	
Phenanthrene	128	ug/kg	77.5	23.2	1	10/16/15 12:33	10/20/15 12:09	85-01-8	
Phenol	<43.0	ug/kg	143	43.0	1	10/16/15 12:33	10/20/15 12:09	108-95-2	
Pyrene	479	ug/kg	134	40.2	1	10/16/15 12:33	10/20/15 12:09	129-00-0	
1,2,4-Trichlorobenzene	<20.5	ug/kg	68.3	20.5	1	10/16/15 12:33	10/20/15 12:09	120-82-1	
2,4,5-Trichlorophenol	<32.0	ug/kg	107	32.0	1	10/16/15 12:33	10/20/15 12:09	95-95-4	
2,4,6-Trichlorophenol	<27.6	ug/kg	92.1	27.6	1	10/16/15 12:33	10/20/15 12:09	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	60	%	45-130		1	10/16/15 12:33	10/20/15 12:09	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: RC-3 (0-7)-101315 **Lab ID: 4012282037** Collected: 10/13/15 15:20 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	67	%	51-130		1	10/16/15 12:33	10/20/15 12:09	321-60-8	
Terphenyl-d14 (S)	128	%	37-134		1	10/16/15 12:33	10/20/15 12:09	1718-51-0	
Phenol-d6 (S)	67	%	36-130		1	10/16/15 12:33	10/20/15 12:09	13127-88-3	
2-Fluorophenol (S)	57	%	37-130		1	10/16/15 12:33	10/20/15 12:09	367-12-4	
2,4,6-Tribromophenol (S)	77	%	30-130		1	10/16/15 12:33	10/20/15 12:09	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.5	ug/kg	14.6	4.5	1	10/16/15 12:00	10/16/15 14:09	67-64-1	2q
Benzene	<1.2	ug/kg	3.6	1.2	1	10/16/15 12:00	10/16/15 14:09	71-43-2	
Bromodichloromethane	<0.80	ug/kg	3.6	0.80	1	10/16/15 12:00	10/16/15 14:09	75-27-4	
Bromoform	<0.62	ug/kg	3.6	0.62	1	10/16/15 12:00	10/16/15 14:09	75-25-2	
Bromomethane	<1.1	ug/kg	7.3	1.1	1	10/16/15 12:00	10/16/15 14:09	74-83-9	
2-Butanone (MEK)	<2.1	ug/kg	14.6	2.1	1	10/16/15 12:00	10/16/15 14:09	78-93-3	
Carbon disulfide	<0.94	ug/kg	3.6	0.94	1	10/16/15 12:00	10/16/15 14:09	75-15-0	
Carbon tetrachloride	<1.2	ug/kg	3.6	1.2	1	10/16/15 12:00	10/16/15 14:09	56-23-5	
Chlorobenzene	<1.2	ug/kg	3.6	1.2	1	10/16/15 12:00	10/16/15 14:09	108-90-7	
Chloroethane	<1.5	ug/kg	3.6	1.5	1	10/16/15 12:00	10/16/15 14:09	75-00-3	
Chloroform	<0.69	ug/kg	3.6	0.69	1	10/16/15 12:00	10/16/15 14:09	67-66-3	
Chloromethane	<0.41	ug/kg	3.6	0.41	1	10/16/15 12:00	10/16/15 14:09	74-87-3	
Dibromochloromethane	<1.2	ug/kg	3.6	1.2	1	10/16/15 12:00	10/16/15 14:09	124-48-1	
1,1-Dichloroethane	<1.7	ug/kg	3.6	1.7	1	10/16/15 12:00	10/16/15 14:09	75-34-3	
1,2-Dichloroethane	<0.72	ug/kg	3.6	0.72	1	10/16/15 12:00	10/16/15 14:09	107-06-2	
1,1-Dichloroethene	<1.7	ug/kg	3.6	1.7	1	10/16/15 12:00	10/16/15 14:09	75-35-4	
cis-1,2-Dichloroethene	<0.97	ug/kg	3.6	0.97	1	10/16/15 12:00	10/16/15 14:09	156-59-2	
trans-1,2-Dichloroethene	<0.90	ug/kg	3.6	0.90	1	10/16/15 12:00	10/16/15 14:09	156-60-5	
1,2-Dichloropropane	<0.92	ug/kg	3.6	0.92	1	10/16/15 12:00	10/16/15 14:09	78-87-5	
cis-1,3-Dichloropropene	<0.49	ug/kg	3.6	0.49	1	10/16/15 12:00	10/16/15 14:09	10061-01-5	
trans-1,3-Dichloropropene	<0.68	ug/kg	3.6	0.68	1	10/16/15 12:00	10/16/15 14:09	10061-02-6	
Ethylbenzene	<1.1	ug/kg	3.6	1.1	1	10/16/15 12:00	10/16/15 14:09	100-41-4	
2-Hexanone	<1.1	ug/kg	3.6	1.1	1	10/16/15 12:00	10/16/15 14:09	591-78-6	
Methylene Chloride	<1.3	ug/kg	3.6	1.3	1	10/16/15 12:00	10/16/15 14:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.89	ug/kg	3.6	0.89	1	10/16/15 12:00	10/16/15 14:09	108-10-1	
Methyl-tert-butyl ether	<0.73	ug/kg	3.6	0.73	1	10/16/15 12:00	10/16/15 14:09	1634-04-4	
Styrene	<0.55	ug/kg	3.6	0.55	1	10/16/15 12:00	10/16/15 14:09	100-42-5	
1,1,2,2-Tetrachloroethane	<1.5	ug/kg	3.6	1.5	1	10/16/15 12:00	10/16/15 14:09	79-34-5	
Tetrachloroethene	<1.1	ug/kg	3.6	1.1	1	10/16/15 12:00	10/16/15 14:09	127-18-4	
Toluene	<1.1	ug/kg	3.6	1.1	1	10/16/15 12:00	10/16/15 14:09	108-88-3	
1,1,1-Trichloroethane	<1.1	ug/kg	3.6	1.1	1	10/16/15 12:00	10/16/15 14:09	71-55-6	
1,1,2-Trichloroethane	<1.4	ug/kg	3.6	1.4	1	10/16/15 12:00	10/16/15 14:09	79-00-5	
Trichloroethene	<1.4	ug/kg	3.6	1.4	1	10/16/15 12:00	10/16/15 14:09	79-01-6	
Vinyl chloride	<0.40	ug/kg	3.6	0.40	1	10/16/15 12:00	10/16/15 14:09	75-01-4	
Xylene (Total)	<3.3	ug/kg	10.9	3.3	1	10/16/15 12:00	10/16/15 14:09	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	106	%	70-130		1	10/16/15 12:00	10/16/15 14:09	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: RC-3 (0-7)-101315 **Lab ID: 4012282037** Collected: 10/13/15 15:20 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	99	%	67-138		1	10/16/15 12:00	10/16/15 14:09	2037-26-5	
4-Bromofluorobenzene (S)	92	%	68-130		1	10/16/15 12:00	10/16/15 14:09	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	7.9	%	0.10	0.10	1		10/14/15 19:36		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	8.30	Std. Units	0.100	0.0100	1		10/15/15 20:45		H6

Revised 11/05/15 16:33

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: **EDI**
 Branch/Location:
 Project Contact: **Patricia Collins**
 Phone: **312-345-1900**
 Project Number: **10295.0201**
 Project Name: **PAE 55**
 Project State:
 Sampled By (Print): **GIN FINN**
 Sampled By (Sign): *[Signature]*
 PO #:
 Regulatory Program:

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD (billable)
 On your sample
 NOT needed on your sample

Matrix Codes
 A = Air
 B = Biota
 C = Charcoal
 O = Oil
 S = Soil
 SI = Sludge
 W = Water
 DW = Drinking Water
 GW = Ground Water
 SW = Surface Water
 WW = Waste Water
 WP = Wipe

Filtered? (YES/NO)
 Preservation Codes
 A=None B-HCl C-H2SO4 D-HNO3 E-DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

CHAIN OF CUSTODY



PAGE LAB #	CLIENT FIELD ID	COLLECTION DATE	TIME	MATRIX	Analyses Requested											
					V / N	Pick Letter										
001	SR-1(6-2)-101315	10/1/15	0850	61	X	VOCs	X	SVOCs	X	Total Metals	X	TCLP Metals	X	SPRP Metals	X	PH
002	SR-2(6-2)-101315		0905		X											
003	SR-2(6-2)-101315		0910		X											
004	SR-3(6-2)-101315		0930		X											
005	SR-4(6-2)-101315		0940		X											
006	SR-5(6-2)-101315		1000		X											
007	SR-12(6-4)-101315		1045		X											
008	SR-13(6-3)-101315		1105		X											
009	VU-1(6-3)-101315		1125		X											
010	VU-2(6-3)-101315		1140		X											
011	PV-1(6-4)-101315		1240		X											
012	PV-1(6-4)-101315		1245		X											
013	PV-2(6-4)-101315		1325		X											

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed:
 Transmit Prelim Rush Results by (complete what you want):
 Email #1:
 Email #2:
 Telephone:
 Fax:

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
<i>[Signature]</i>	10/1/15 15:41	<i>[Signature]</i>	10/1/15 17:30	<i>[Signature]</i>	10/1/15 10:00

Quote #:
 Mail To Contact:
 Mail To Company:
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:

CLIENT COMMENTS (Lab Use Only)
 3-40MAY EEF
 3-40MAY A
 LAB COMMENTS Profile #

Received By: *[Signature]* Date/Time: 10/1/15 13:41
 Received By: *[Signature]* Date/Time: 10/1/15
 Received By: *[Signature]* Date/Time: 10/1/15 10:00
 Receipt Temp = 51.04 °C
 Sample Receipt pH
 OK / Adjusted
 Cooler Custody Seal Present / Not Present
 Intact / Not Intact

(Please Print Clearly)

Company Name: **EDT**
 Branch/Location:
 Project Contact: **Patricia/Colin**
 Phone:
 Project Number: **0295020**
 Project Name: **IDT 035-056**
 Project State: **Illinois**
 Sampled By (Print): **Margaret DeWentz-Sklar**
 Sampled By (Sign): *[Signature]*
 PO #:
 Regulatory Program:

Data Package Options (billable)
 EPA Level III
 EPA Level IV
 On your sample (billable)
 NOT needed on your sample

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX
D14	SR-11(0-4)-101315	10-13-15	0845	S
D15	SR-11(0-4)-101315D	10-13-15	0845	S
D16	SR-10(0-4)-101315	10-13-15	0915	S
D17	SR-9(0-4)-101315	10-13-15	0920	S
D18	SR-8(0-5)-101315	10-13-15	0935	S
D19	SR-7(0-5)-101315	10-13-15	0950	S
D20	SR-7(5-9)-101315	10-13-15	0955	S
D21	SR-6(0-7)-101315	10-13-15	1018	S
D22	SR-6(7-14)-101315	10-13-15	1024	S
D23	AL2-16(0-5)-101315	10-13-15	1115	S
D24	AL2-16(5-9)-101315	10-13-15	1120	S
D25	AL1-1(0-5)-101315	10-13-15	1140	S
D26	AL1-1(0-5)-101315D	10-13-15	1140	S

CHAIN OF CUSTODY

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UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

Preservation Codes:
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Matrix Codes:
 A=Air B=Biota C=Charcoal D=Drinking Water E=Oil F=Ground Water G=Surface Water H=Sludge I=Water J=Wipe

Filtered? (YES/NO)
 Preservation Code? (CODE)

Analyses Requested	Y/N	Pick Letter
VOCS	N	EF
SUOCS	N	A
Total Metals	N	A
TCLP Metals	N	A
SPLP Metals	N	A
DM	N	A

Quote #:
 Mail To Contact:
 Mail To Company:
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)
 Profile #

Relinquished By:	Date/Time:	Received By:	Date/Time:
<i>[Signature]</i>	10-13-15 1540	<i>[Signature]</i>	10-13-15 1540
<i>[Signature]</i>	10-13-15 1730	<i>[Signature]</i>	10-13-15 1730
<i>[Signature]</i>	10-13-15 1730	<i>[Signature]</i>	10-13-15 1730

PACE Project No.
 Receipt Temp = 51.0, 4 °C
 Sample Receipt pH
 OK / Adjusted
 Cooler/Custody Seal Present / Not Present
 Intact / Not Intact

(Please Print Clearly)



UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

40132822

CHAIN OF CUSTODY

A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
PRESERVATION
(CODE)*

V/I/N	Pick Label
N	E/F
N	A
N	D
N	D
N	D
N	A

Analyses Requested
 VOCs
 SVOCs
 Total Metals
 TCLP Metals
 SPUV Metals
 PH

Quote #:

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS
3-40ML EEF 3-4022g

LAB COMMENTS
(Lab Use Only)

Profile #

PAGE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME
		DATE	TIME									
027	ALI-4(0-5)-101315			S	10-13-15	1325						
028	ALI-4(5-9)-101315			S	10-13-15	1330						
029	ALI-5(0-5)-101315			S	10-13-15	1345						
030	ALI-5(5-9)-101315			S	10-13-15	1350						
031	ALI-6(0-5)-101315			S	10-13-15	1424						
032	ALI-6(0-5)-101315			S	10-13-15	1430						
033	ALI-6(5-9)-101315			S	10-13-15	1439						
034	RC-1(0-7)-101315			S	10-13-15	1447						
035	RC-2(0-5)-101315			S	10-13-15	1505						
036	RC-2(5-9)-101315			S	10-13-15	1510						
037	RC-3(0-7)-101315			S	10-13-15	1520						

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed:

Relinquished By: *[Signature]*
 Date/Time: 10-13-2015 1530

Received By: *[Signature]*
 Date/Time: 10-13-2015 1540

Relinquished By: *[Signature]*
 Date/Time: 10-13-2015 1730

Received By: *[Signature]*
 Date/Time: 10-13-2015 1740

Transmit Prelim Rush Results by (complete what you want):

Relinquished By: *[Signature]*
 Date/Time: 10-13-2015 1730

Received By: *[Signature]*
 Date/Time: 10-13-2015 1740

Relinquished By: *[Signature]*
 Date/Time: 10-13-2015 1740

Received By: *[Signature]*
 Date/Time: 10-13-2015 1740

Email #1:
 Email #2:
 Telephone:
 Fax:

Relinquished By: *[Signature]*
 Date/Time: 10-13-2015 1740

Received By: *[Signature]*
 Date/Time: 10-13-2015 1740

Relinquished By: *[Signature]*
 Date/Time: 10-13-2015 1740

Received By: *[Signature]*
 Date/Time: 10-13-2015 1740

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: *[Signature]*
 Date/Time: 10-13-2015 1740

Received By: *[Signature]*
 Date/Time: 10-13-2015 1740

Relinquished By: *[Signature]*
 Date/Time: 10-13-2015 1740

Received By: *[Signature]*
 Date/Time: 10-13-2015 1740

Receipt Temp = 51.04 °C
 Sample Receipt pH OK / Adjusted
 Cooler Custody Seal Present / Not Present Intact / Not Intact

(Please Print Clearly)



CHAIN OF CUSTODY

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

RESERVATION (CODE)*
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

REGULATORY PROGRAM:
Sampled By (Print): Margaret Doherty-SKibic
Sampled By (Sign): *[Signature]*

Company Name: EDI
 Branch/Location:
 Project Contact: Patricia Goin
 Phone:
 Project Number: 029 5 020
 Project Name: IDOT 035-USE 01-55
 Project State: Illinois
 Data Package Options:
 EPA Level III
 EPA Level IV
 MS/MSD (billable)
 On your sample (billable)
 NOT needed on your sample
 Matrix Codes:
 A = Air W = Water
 B = Bids DW = Drinking Water
 C = Charcoal GW = Ground Water
 D = Oil SW = Surface Water
 S = Soil WW = Waste Water
 Sl = Sludge WP = Wipe

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX
D38	AL-1(5-9)-101315	10-13-15	1150	S
D39	AL-2(10-5)-101315	10-13-15	1212	S
D40	AL-2(5-9)-101315	10-13-15	1218	S
D41	AL-3(6-5)-101315	10-13-15	1253	S
D42	AL-3(5-9)-101315	10-13-15	1258	S

Analyses Requested	V/I/N	
	Pick Letter	Letter
VOCS	E	F
SVOCs	A	
TOTAL METALS	A	
TRCP METALS	A	
SPLP METALS	A	
PH	A	

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed:
 Transmit Prelim Rush Results by (complete what you want):
 Email #1:
 Email #2:
 Telephone:
 Fax:
 Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
<i>[Signature]</i>	10-13-2015 1640	<i>[Signature]</i>	10-13-2015 1640
<i>[Signature]</i>	10-13-15 1230	<i>[Signature]</i>	10-13-15 1230
<i>[Signature]</i>	10-13-15 1000	<i>[Signature]</i>	10-13-15 1000

Received By:	Date/Time:	Received By:	Date/Time:
<i>[Signature]</i>	10-13-15 1440	<i>[Signature]</i>	10-13-15 1440
<i>[Signature]</i>	10-13-15 1230	<i>[Signature]</i>	10-13-15 1230
<i>[Signature]</i>	10-13-15 1000	<i>[Signature]</i>	10-13-15 1000

Quote #:
 Mail To Contact:
 Mail To Company:
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS
 3-40MVEEF 3-40229
 LAB COMMENTS (Lab Use Only)
 PROFILE #
 Receipt Temp - 51.04 °C
 Sample Receipt pH
 OK / Adjusted
 Cooler/Custody Seal Present / Not Present
 Intact / Not Intact



Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Project #:

WO#: 40122822



Client Name: EDI

Courier: Fed Ex UPS Client Pace Other: CS LOGISTICS

Tracking #:

Custody Seal on Cooler/Box Present: X yes no Seals intact: X yes no

Custody Seal on Samples Present: yes X no Seals intact: yes no

Packing Material: Bubble Wrap X Bubble Bags None Other

Thermometer Used SPLA Type of Ice: Wet Blue Dry None X Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 5.60.4 / Corr: 5.10.4 Biological Tissue is Frozen: yes

Temp Blank Present: X yes no

Person examining contents:
Date: 10/14/15
Initials: [Signature]

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows of checklist items (Chain of Custody Present, Short Hold Time Analysis, etc.) and checkboxes for Yes/No/N/A.

Handwritten notes in cell 12: 015 lot jars collect time 0552, 025 lot 3 jars no collect time, 034 lot 3 vials no collect date or time, 036 no collect time on 10/13 vials, 037 no collect time on 10/13 jars

Client Notification/ Resolution: Person Contacted: Date/Time: If checked, see attached form for additional comments

Comments/ Resolution: 040 lot 3 vials collect time 1212, 042 lot 3 jars no collect date 10/14/15, 025 lot 3 jars no collect time

Project Manager Review: [Signature] Date: 10/14/15



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAI 55: Interstate Route 55 at US Route 6 Office Phone Number, if available: _____

Physical Site Location (address, including number and street):

23000-24000 Eames Street(ISGS Site No. 693V-19)

City: Channahon State: IL Zip Code: _____

County: Will Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.455583441 Longitude: -88.194290895

(Decimal Degrees)

(-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: _____ BOL: _____ BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

Street Address: 201 West Center Court

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: Schaumburg State: IL

Zip Code: 60196-1096 Phone: 847-705-4101

Zip Code: 60196-1096 Phone: 847-705-4101

Contact: Sam Mead

Contact: Sam Mead

Email, if available: Sam.Mead@illinois.gov

Email, if available: Sam.Mead@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAI 55: Interstate Route 55 at US Route 6

Latitude: 41.455583441 Longitude: -88.194290895

Uncontaminated Site Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

- a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a):

LOCATIONS SR-1 THROUGH SR-5, SR-8 THROUGH SR-13, 55-5, 55-4, 55-19, AND 55-20 WERE SAMPLED ADJACENT TO ISGS SITE No. 693V-19. SEE FIGURES 3-1, 3-4, AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

- b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

PACE ANALYTICAL REPORT - JOB ID: 40122822
 TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-82944-4 AND 500-82945-1
 ALSO SEE FIGURES 4-1 AND 4-4 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

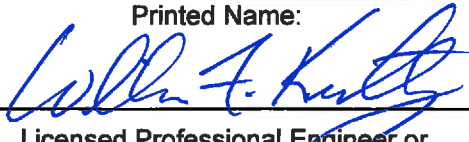
I, William F. Karlovitz, P.E. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Weston Solutions, Inc.
 Street Address: 300 Circle Plaza; Suite 202
 City: Mundelein State: IL Zip Code: 60060
 Phone: (224) 864-7200

William F. Karlovitz, P.E.

Printed Name:



Licensed Professional Engineer or
Licensed Professional Geologist Signature:

14 Dec. 2015

Date:



P.E. or L.P.G. Seal:

Summary Table of ISGS Site No. 693V-19
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	SR-1 (0-2)-101315	SR-2 (0-2)-101315	SR-2 (0-2)-101315D	SR-3 (0-2)-101315	Soil Reference Concentrations ^A
Sample Date	10/13/2015	10/13/2015	10/13/2015	10/13/2015	
Location ID	SR-1	SR-2	SR-2	SR-3	
Depth	0 - 2	0 - 2	0 - 2	0 - 2	
Lab Sample ID	40122822001	40122822002	40122822003	40122822004	
Location Code	693V-19	693V-19	693V-19	693V-19	
Parameter					
Laboratory pH	8.74 J	8.56 J	8.7 J	8.73 J	<6.25, >9.0
VOCs (ug/kg)					
Acetone	ND	ND	ND	ND	25000
Methyl ethyl ketone	ND	ND	ND	ND	---
Toluene	ND	ND	ND	ND	12000
SVOCs (ug/kg)					
Benzo(a)pyrene	ND	ND	ND	ND	90 / 1300 / 2100
Total Metals (mg/kg)					
Arsenic, Total	2.2	6.8	8.1	6.5	11.3 / 13.0
Barium, Total	9.5	37.6	44.9	36.2	1500
Beryllium, Total	0.16	0.21	0.49	0.35	22
Cadmium, Total	0.31 J	0.33 J	0.33 J	0.36 J	5.2
Calcium, Total	165000	108000	64900	74200	---
Chromium, Total	4	10.1	15.3	12.3	21
Cobalt, Total	2	5	6.7	5.1	20
Copper, Total	6.4	13.4	16.6	13.9	2900
Iron, Total	11800	8640 J	17200 J	14900	15000 / 15900
Lead, Total	4.9	20.4 J	11 J	8.9	107
Magnesium, Total	74900	41800	27100	42300	325000
Manganese, Total	240	465	450	445	630 / 636
Mercury, Total	0.0032 J	0.03 J	0.015 J	0.012 J	0.89
Nickel, Total	4.6	10.8	16.1	12.7	100
Potassium, Total	1190 J	1230 J	2010 J	1360 J	---
Selenium, Total	ND	ND	ND	0.4 J	1.3
Sodium, Total	272	1360	1650	1530	---
Thallium, Total	ND	ND	ND	ND	2.6
Vanadium, Total	8.5	19.3	29.6	23.4	550
Zinc, Total	25.3	42.9	39.4	37.5	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	ND	ND	ND	ND	0.05
Barium, TCLP	0.24 J	0.18 J	0.21 J	0.22 J	2
Beryllium, TCLP	ND	ND	ND	ND	0.004
Cadmium, TCLP	0.00093 J	0.0015 J	0.0013 J	0.0016 J	0.005
Chromium, TCLP	ND	ND	ND	ND	0.1
Cobalt, TCLP	0.011	0.014	0.0067 J	0.0028 J	1
Copper, TCLP	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	0.0061 J	ND	0.0075
Manganese, TCLP	1.8	2.1	1.9	1.5	0.15
Mercury, TCLP	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	0.1
Selenium, TCLP	0.0068 J	0.0091 J	0.0081 J	0.01 J	0.05
Silver, TCLP	ND	ND	ND	ND	0.05
Zinc, TCLP	0.037 J	0.076 J	0.08 J	0.048 J	5
SPLP Metals (mg/l)					
Arsenic, SPLP	0.0063 J	0.0046 J	0.048 J	0.0057 J	0.05
Barium, SPLP	ND	ND	0.37 J	ND	2
Beryllium, SPLP	0.00022 J	0.00019 J	0.0035 J	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	0.0087	0.011	0.012	0.0097	0.1
Cobalt, SPLP	ND	ND	0.047 J	ND	1
Copper, SPLP	0.0099 J	ND	0.011	0.011	0.65
Iron, SPLP	6.8	4 J	108 J	3.9	5
Lead, SPLP	0.0059	ND	0.0079	0.0074	0.0075
Manganese, SPLP	0.086	0.059 J	3.3 J	0.072	0.15
Mercury, SPLP	ND	0.00055 J	ND	ND	0.002
Nickel, SPLP	ND	ND	0.008	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	0.05
Zinc, SPLP	0.015 J	ND	0.031 J	0.025 J	5

Summary Table of ISGS Site No. 693V-19
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	SR-4 (0-2)-101315	SR-5 (0-2)-101315	SR-8 (0-5)-101315	SR-9 (0-4)-101315	Soil Reference Concentrations ^A
Sample Date	10/13/2015	10/13/2015	10/13/2015	10/13/2015	
Location ID	SR-4	SR-5	SR-8	SR-9	
Depth	0 - 2	0 - 2	0 - 5	0 - 4	
Lab Sample ID	40122822005	40122822006	40122822018	40122822017	
Location Code	693V-19	693V-19	693V-19	693V-19	
Parameter					
Laboratory pH	7.78 J	8.63 J	8.04 J	8.27 J	<6.25, >9.0
VOCs (ug/kg)					
Acetone	ND	ND	ND	ND	25000
Methyl ethyl ketone	ND	ND	ND	ND	---
Toluene	ND	ND	ND	ND	12000
SVOCs (ug/kg)					
Benzo(a)pyrene	ND	ND	ND	ND	90 / 1300 / 2100
Total Metals (mg/kg)					
Arsenic, Total	6.5	6.5	6.9	7	11.3 / 13.0
Barium, Total	247	37.7	33.2	38.7	1500
Beryllium, Total	0.52	0.24 J	0.36	0.4	22
Cadmium, Total	0.37 J	0.13 J	0.11 J	0.077 J	5.2
Calcium, Total	49300	56000	83300	64800	---
Chromium, Total	13.6	10.7	9	9.8	21
Cobalt, Total	6.7	6	4.9 J	4.4 J	20
Copper, Total	17.8	15.4	12	12	2900
Iron, Total	14700	13800	13500	16200	15000 / 15900
Lead, Total	18.2	15	21.7 J	14.3 J	107
Magnesium, Total	27700	32300	42700	36100	325000
Manganese, Total	519	385	358	527	630 / 636
Mercury, Total	0.035 J	0.026	ND	0.0087 J	0.89
Nickel, Total	13.7	12	9.3 J	9.7 J	100
Potassium, Total	1670 J	821	1360 J	1470 J	---
Selenium, Total	ND	0.61 J	ND	ND	1.3
Sodium, Total	3110	1230	892	514	---
Thallium, Total	ND	ND	ND	ND	2.6
Vanadium, Total	25.8	18.8	17.1	18.4	550
Zinc, Total	42	34.4	30	25	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	ND	ND	ND	ND	0.05
Barium, TCLP	0.33	ND	0.37 J	0.41 J	2
Beryllium, TCLP	ND	ND	ND	ND	0.004
Cadmium, TCLP	0.0017 J	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	0.0417 J	1
Copper, TCLP	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	0.361	ND	5
Lead, TCLP	ND	0.014 J	ND	ND	0.0075
Manganese, TCLP	1.1	ND	1.12	11.4	0.15
Mercury, TCLP	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	0.0031 J	ND	ND	0.1
Selenium, TCLP	0.0074 J	0.0083 J	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	0.05
Zinc, TCLP	0.055 J	ND	ND	0.0409 J	5
SPLP Metals (mg/l)					
Arsenic, SPLP	0.011	0.017	0.019 J	0.0054 J	0.05
Barium, SPLP	ND	0.19 J	0.14	0.051	2
Beryllium, SPLP	0.00045 J	0.001 J	0.0015 J	ND	0.004
Cadmium, SPLP	ND	0.00052 J	ND	ND	0.005
Chromium, SPLP	0.016	0.036	0.038	0.012	0.1
Cobalt, SPLP	ND	0.013	0.0134	0.0032 J	1
Copper, SPLP	0.02	0.042	0.0367	0.01 J	0.65
Iron, SPLP	12.1	44	38.2	10.8	5
Lead, SPLP	0.017	0.045	0.042	0.013	0.0075
Manganese, SPLP	0.14	0.65	0.814	0.19	0.15
Mercury, SPLP	ND	0.00008 J	ND	ND	0.002
Nickel, SPLP	0.0089	0.035 J	0.0488	0.0145 J	0.1
Selenium, SPLP	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	0.05
Zinc, SPLP	0.043 J	0.13	0.105	0.0319	5

Summary Table of ISGS Site No. 693V-19
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	SR-10 (0-4)-101315	SR-11 (0-4)-101315	SR-11 (0-4)-101315D	SR-12 (0-4)-101315	Soil Reference Concentrations ^A
Sample Date	10/13/2015	10/13/2015	10/13/2015	10/13/2015	
Location ID	SR-10	SR-11	SR-11	SR-12	
Depth	0 - 4	0 - 4	0 - 4	0 - 4	
Lab Sample ID	40122822016	40122822014	40122822015	40122822007	
Location Code	693V-19	693V-19	693V-19	693V-19	
Parameter					
Laboratory pH	8.15 J	8.66 J	8.49 J	8.81 J	<6.25, >9.0
VOCs (ug/kg)					
Acetone	ND	ND	ND	ND	25000
Methyl ethyl ketone	ND	ND	ND	ND	---
Toluene	ND	ND	ND	ND	12000
SVOCs (ug/kg)					
Benzo(a)pyrene	39.5 J	ND	ND	ND	90 / 1300 / 2100
Total Metals (mg/kg)					
Arsenic, Total	3.7 J	5.3	4.8	5.1	11.3 / 13.0
Barium, Total	18.3	38.6	40.4	35	1500
Beryllium, Total	0.17 J	0.27 J	0.23 J	0.23 J	22
Cadmium, Total	0.12 J	0.2 J	0.21 J	0.11 J	5.2
Calcium, Total	136000	57600	43900	80000	---
Chromium, Total	5.1	11.5	11.1	13	21
Cobalt, Total	2.3 J	7	5.5	8.8	20
Copper, Total	6.1	15.5	14.5	21.8	2900
Iron, Total	4760	13100	12600	15900	15000 / 15900
Lead, Total	11.1 J	ND	16.6	10	107
Magnesium, Total	76600	32400	27400	45200	325000
Manganese, Total	360	417	437	413	630 / 636
Mercury, Total	0.009 J	0.021	0.019	0.03	0.89
Nickel, Total	4.9 J	10.2	9.7	12.4	100
Potassium, Total	1130 J	759	741	1110	---
Selenium, Total	ND	0.7 J	0.58 J	0.36 J	1.3
Sodium, Total	252	1460	1360	1020	---
Thallium, Total	ND	ND	ND	ND	2.6
Vanadium, Total	8.1	20.7	18.9	24	550
Zinc, Total	23	49.4	46.7	32.4	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	0.02 J	ND	ND	ND	0.05
Barium, TCLP	0.3 J	ND	ND	ND	2
Beryllium, TCLP	ND	ND	ND	ND	0.004
Cadmium, TCLP	0.0046 J	0.00054 J	0.00088 J	ND	0.005
Chromium, TCLP	ND	ND	0.0046 J	ND	0.1
Cobalt, TCLP	0.0188 J	ND	0.0025 J	0.0029 J	1
Copper, TCLP	ND	ND	ND	ND	0.65
Iron, TCLP	0.0519 J	ND	0.018 J	ND	5
Lead, TCLP	ND	ND	ND	ND	0.0075
Manganese, TCLP	5.44	0.28 J	2 J	0.99	0.15
Mercury, TCLP	ND	ND	ND	ND	0.002
Nickel, TCLP	0.0205 J	0.003 J	0.0091 J	0.0086 J	0.1
Selenium, TCLP	ND	0.0054 J	0.0052 J	0.0067 J	0.05
Silver, TCLP	ND	ND	ND	ND	0.05
Zinc, TCLP	0.147	ND	ND	ND	5
SPLP Metals (mg/l)					
Arsenic, SPLP	0.0045 J	0.0053 J	0.0066 J	0.012	0.05
Barium, SPLP	0.036	0.36	0.11 J	0.47	2
Beryllium, SPLP	ND	ND	0.00029 J	0.00071 J	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	0.0096 J	0.011	0.015	0.027	0.1
Cobalt, SPLP	0.0023 J	0.0026 J	0.0039 J	0.0091 J	1
Copper, SPLP	0.0121	0.013	0.017	0.039	0.65
Iron, SPLP	7.89	11.7	16	32.8	5
Lead, SPLP	0.01	0.0084	0.012	0.024	0.0075
Manganese, SPLP	0.15	0.14	0.23	0.4	0.15
Mercury, SPLP	ND	ND	ND	0.00006 J	0.002
Nickel, SPLP	0.0109 J	0.0092 J	0.012 J	0.027 J	0.1
Selenium, SPLP	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	0.05
Zinc, SPLP	0.0328	0.093 J	ND	ND	5

Summary Table of ISGS Site No. 693V-19
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	SR-13 (0-3)-101315	55-4(0-7)-082514	55-4(7-15)-082514	55-4(7-15)-082514D	Soil Reference Concentrations ^A
Sample Date	10/13/2015	8/25/2014	8/25/2014	8/25/2014	
Location ID	SR-13	55-4	55-4	55-4	
Depth	0 - 3	0 - 7	7 - 15	7 - 15	
Lab Sample ID	40122822008	500-82944-10	500-82944-11	500-82944-12	
Location Code	693V-19	693V-19	693V-19	693V-19	
Parameter					
Laboratory pH	7.72 J	8.61	8.51	8.41	<6.25, >9.0
VOCs (ug/kg)					
Acetone	ND	57	ND	ND	25000
Methyl ethyl ketone	ND	12	ND	ND	---
Toluene	ND	ND	ND	ND	12000
SVOCs (ug/kg)					
Benzo(a)pyrene	ND	170	42	13 J	90 / 1300 / 2100
Total Metals (mg/kg)					
Arsenic, Total	3.3	5.2	3.8	3.6	11.3 / 13.0
Barium, Total	43.8	55	23	19	1500
Beryllium, Total	0.38 J	0.44	0.27	0.22	22
Cadmium, Total	0.16 J	0.23 J-	0.18 J-	0.23 J-	5.2
Calcium, Total	29400	43000 J+	110000 J+	140000 J+	---
Chromium, Total	7.7	15 J	9.3 J	11 J	21
Cobalt, Total	4.4	6.5 J-	3.2 J-	2.7 J-	20
Copper, Total	10.3	16 B	9.1 B	9.8 B	2900
Iron, Total	9920	13000 J+	8200 J+	7300 J+	15000 / 15900
Lead, Total	ND	39 J	8.1 J	5.7 J	107
Magnesium, Total	17400	28000 J+	52000 J+	81000 J+	325000
Manganese, Total	298	330 J	290 J	270 J	630 / 636
Mercury, Total	0.044	0.022 J	0.017 J	0.013 J	0.89
Nickel, Total	8.2	13 J-	7.7 J-	7.2 J-	100
Potassium, Total	659	1700 J+	1300 J+	1200 J+	---
Selenium, Total	0.4 J	ND	ND	ND	1.3
Sodium, Total	139	1600 J+	560 J+	580 J+	---
Thallium, Total	ND	0.86	0.55	0.36 J	2.6
Vanadium, Total	12.6	23	13	11	550
Zinc, Total	42	52 J-	22 J-	19 J-	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	0.0054 J	0.01 J	ND	ND	0.05
Barium, TCLP	ND	0.64	0.61	0.5	2
Beryllium, TCLP	ND	ND	ND	ND	0.004
Cadmium, TCLP	0.00073 J	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	0.024 J	0.015 J	0.013 J	1
Copper, TCLP	ND	0.064	0.016 J	0.072 J	0.65
Iron, TCLP	ND	0.32	ND	ND	5
Lead, TCLP	ND	0.014	ND	ND	0.0075
Manganese, TCLP	0.23	5.2	4.7	3.7	0.15
Mercury, TCLP	ND	ND	ND	ND	0.002
Nickel, TCLP	0.0025 J	0.032	0.022 J	0.022 J	0.1
Selenium, TCLP	0.0074 J	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	0.37	0.26	0.24	5
SPLP Metals (mg/l)					
Arsenic, SPLP	ND	0.011 J	ND	ND	0.05
Barium, SPLP	ND	0.2 J	0.3 J	0.29 J	2
Beryllium, SPLP	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	0.0061 J	0.046	ND	ND	0.1
Cobalt, SPLP	0.0013 J	0.017 J	ND	ND	1
Copper, SPLP	0.0083 J	ND	ND	ND	0.65
Iron, SPLP	5.6	42	2.2	2.5	5
Lead, SPLP	0.0041 J	0.12	ND	ND	0.0075
Manganese, SPLP	0.058	0.64	0.045	0.053	0.15
Mercury, SPLP	0.00005 J	ND	ND	ND	0.002
Nickel, SPLP	0.0047 J	0.041	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	0.05
Zinc, SPLP	ND	0.2	0.26	0.26	5

Summary Table of ISGS Site No. 693V-19
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	55-5(0-4)-082514	55-19(0-7)-082514	55-19(7-15)-082514	55-20(0-7)-082514	Soil Reference Concentrations ^A
Sample Date	8/25/2014	8/25/2014	8/25/2014	8/25/2014	
Location ID	55-5	55-19	55-19	55-20	
Depth	0 - 4	0 - 7	7 - 15	0 - 7	
Lab Sample ID	500-82944-9	500-82944-5	500-82944-6	500-82945-4	
Location Code	693V-19	693V-19	693V-19	693V-19	
Parameter					
Laboratory pH	8.77	8.5	7.9	8.25	<6.25, >9.0
VOCs (ug/kg)					
Acetone	ND	ND	ND	57	25000
Methyl ethyl ketone	ND	ND	ND	ND	---
Toluene	ND	ND	ND	ND	12000
SVOCS (ug/kg)					
Benzo(a)pyrene	37	77 J	18 J	64	90 / 1300 / 2100
Total Metals (mg/kg)					
Arsenic, Total	3.9	4.4	5.1	4.4	11.3 / 13.0
Barium, Total	35	47	46	40	1500
Beryllium, Total	0.36	0.41	0.46	0.44	22
Cadmium, Total	0.29 J-	0.23 J-	0.26 J-	0.26	5.2
Calcium, Total	110000 J+	81000 J+	110000 J+	82000 B	---
Chromium, Total	11 J	11 J	12 J	10 B	21
Cobalt, Total	5.2 J-	4.7 J-	5.2 J-	7	20
Copper, Total	14 B	12 B	13 B	12	2900
Iron, Total	10000 J+	11000 J+	11000 J+	12000	15000 / 15900
Lead, Total	57 J	36 J	23 J	60	107
Magnesium, Total	49000 J+	38000 J+	54000 J+	37000	325000
Manganese, Total	350 J	360 J	430 J	290	630 / 636
Mercury, Total	0.026 J	0.023 J	0.022 J	0.028	0.89
Nickel, Total	10 J-	9.9 J-	11 J-	15	100
Potassium, Total	1800 J+	1800 J+	2000 J+	1300	---
Selenium, Total	ND	ND	ND	0.22 J	1.3
Sodium, Total	1600 J+	1400 J+	1000 J+	750 B	---
Thallium, Total	0.45 J	0.7	0.67	ND	2.6
Vanadium, Total	17	18	20	17	550
Zinc, Total	34 J-	31 J-	30 J-	55 B	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	0.01 J	0.012 J	ND	0.011 J	0.05
Barium, TCLP	0.6	0.49 J	0.52	0.59	2
Beryllium, TCLP	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	0.1
Cobalt, TCLP	0.019 J	ND	ND	0.021 J	1
Copper, TCLP	0.02 J	0.023 J	0.043	0.024 J	0.65
Iron, TCLP	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	0.0075
Manganese, TCLP	4.1	2.2	0.48	4.9	0.15
Mercury, TCLP	ND	ND	ND	ND	0.002
Nickel, TCLP	0.015 J	0.02 J	ND	0.017 J	0.1
Selenium, TCLP	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	0.05
Zinc, TCLP	0.3	0.25	0.15	0.24	5
SPLP Metals (mg/l)					
Arsenic, SPLP	0.047 J	ND	0.026 J	0.012 J	0.05
Barium, SPLP	0.58	0.14 J	0.37 J	0.43 J	2
Beryllium, SPLP	0.0056	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	0.15	0.035	0.093	0.053	0.1
Cobalt, SPLP	0.057	ND	0.023 J	0.011 J	1
Copper, SPLP	0.2 B	ND	0.085 B	0.086	0.65
Iron, SPLP	140	31	93	44	5
Lead, SPLP	0.46	0.098	0.11	0.094	0.0075
Manganese, SPLP	1.5	0.32	1	0.57	0.15
Mercury, SPLP	ND	ND	ND	ND	0.002
Nickel, SPLP	0.17	0.03	0.09	0.042	0.1
Selenium, SPLP	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	0.05
Zinc, SPLP	0.55	0.13	0.28	ND	5

Summary Table of ISGS Site No. 693V-19
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	55-20(7-15)-082514	Soil Reference Concentrations^A
Sample Date	8/25/2014	
Location ID	55-20	
Depth	7 - 15	
Lab Sample ID	500-82945-5	
Location Code	693V-19	
Parameter		
Laboratory pH	8.04	<6.25, >9.0
VOCs (ug/kg)		
Acetone	ND	25000
Methyl ethyl ketone	ND	---
Toluene	ND	12000
SVOCs (ug/kg)		
Benzo(a)pyrene	120	90 / 1300 / 2100
Total Metals (mg/kg)		
Arsenic, Total	4.5	11.3 / 13.0
Barium, Total	44	1500
Beryllium, Total	0.43	22
Cadmium, Total	0.13	5.2
Calcium, Total	84000 B	---
Chromium, Total	11 B	21
Cobalt, Total	6.5	20
Copper, Total	12	2900
Iron, Total	11000	15000 / 15900
Lead, Total	22	107
Magnesium, Total	37000	325000
Manganese, Total	370	630 / 636
Mercury, Total	0.032	0.89
Nickel, Total	15	100
Potassium, Total	1100	---
Selenium, Total	0.29 J	1.3
Sodium, Total	410 B	---
Thallium, Total	ND	2.6
Vanadium, Total	18	550
Zinc, Total	43 B	5100
TCLP Metals (mg/l)		
Arsenic, TCLP	ND	0.05
Barium, TCLP	0.58	2
Beryllium, TCLP	ND	0.004
Cadmium, TCLP	ND	0.005
Chromium, TCLP	ND	0.1
Cobalt, TCLP	ND	1
Copper, TCLP	0.015 J	0.65
Iron, TCLP	ND	5
Lead, TCLP	ND	0.0075
Manganese, TCLP	1.8	0.15
Mercury, TCLP	ND	0.002
Nickel, TCLP	ND	0.1
Selenium, TCLP	ND	0.05
Silver, TCLP	ND	0.05
Zinc, TCLP	0.25	5
SPLP Metals (mg/l)		
Arsenic, SPLP	ND	0.05
Barium, SPLP	0.41 J	2
Beryllium, SPLP	ND	0.004
Cadmium, SPLP	ND	0.005
Chromium, SPLP	0.027	0.1
Cobalt, SPLP	ND	1
Copper, SPLP	0.057	0.65
Iron, SPLP	19	5
Lead, SPLP	0.049	0.0075
Manganese, SPLP	0.69	0.15
Mercury, SPLP	ND	0.002
Nickel, SPLP	0.023 J	0.1
Selenium, SPLP	ND	0.05
Silver, SPLP	ND	0.05
Zinc, SPLP	ND	5

Summary Table of ISGS Site No. 693V-19
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Notes:

--- - not applicable or value not available.

^A - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.


B - Constituent detected in the blank and investigative sample.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

J+ - Estimated concentration, biased high.

 Shaded values indicate concentration **exceeds** Reference Concentration.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Chicago

2417 Bond Street

University Park, IL 60484

Tel: (708)534-5200

TestAmerica Job ID: 500-82944-1

Client Project/Site: IDOT - Channahon - WO 085

For:

Weston Solutions, Inc.

300 Plaza Circle, Suite 202

Mundelein, Illinois 60060

Attn: Mr. S. Babusukumar



Authorized for release by:

9/10/2014 3:20:14 PM

Richard Wright, Senior Project Manager

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

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-19(0-7)-082514

Lab Sample ID: 500-82944-5

Date Collected: 08/25/14 10:15

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 90.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.5		5.5	2.4	ug/Kg	*		08/27/14 16:52	1
Benzene	<5.5		5.5	0.76	ug/Kg	*		08/27/14 16:52	1
Bromodichloromethane	<5.5		5.5	0.95	ug/Kg	*		08/27/14 16:52	1
Bromoform	<5.5		5.5	1.3	ug/Kg	*		08/27/14 16:52	1
Bromomethane	<5.5		5.5	1.7	ug/Kg	*		08/27/14 16:52	1
Carbon disulfide	<5.5		5.5	0.83	ug/Kg	*		08/27/14 16:52	1
Carbon tetrachloride	<5.5		5.5	1.0	ug/Kg	*		08/27/14 16:52	1
Chlorobenzene	<5.5		5.5	0.56	ug/Kg	*		08/27/14 16:52	1
Chloroethane	<5.5		5.5	1.5	ug/Kg	*		08/27/14 16:52	1
Chloroform	<5.5		5.5	0.64	ug/Kg	*		08/27/14 16:52	1
Chloromethane	<5.5		5.5	1.2	ug/Kg	*		08/27/14 16:52	1
cis-1,2-Dichloroethene	<5.5		5.5	0.78	ug/Kg	*		08/27/14 16:52	1
cis-1,3-Dichloropropene	<5.5		5.5	0.73	ug/Kg	*		08/27/14 16:52	1
Dibromochloromethane	<5.5		5.5	0.96	ug/Kg	*		08/27/14 16:52	1
1,1-Dichloroethane	<5.5		5.5	0.88	ug/Kg	*		08/27/14 16:52	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	*		08/27/14 16:52	1
1,1-Dichloroethene	<5.5		5.5	0.90	ug/Kg	*		08/27/14 16:52	1
1,2-Dichloropropane	<5.5		5.5	0.84	ug/Kg	*		08/27/14 16:52	1
1,3-Dichloropropene, Total	<5.5		5.5	0.73	ug/Kg	*		08/27/14 16:52	1
Ethylbenzene	<5.5		5.5	1.1	ug/Kg	*		08/27/14 16:52	1
2-Hexanone	<5.5		5.5	1.6	ug/Kg	*		08/27/14 16:52	1
Methylene Chloride	<5.5		5.5	1.5	ug/Kg	*		08/27/14 16:52	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	*		08/27/14 16:52	1
methyl isobutyl ketone	<5.5		5.5	1.5	ug/Kg	*		08/27/14 16:52	1
Methyl tert-butyl ether	<5.5		5.5	0.92	ug/Kg	*		08/27/14 16:52	1
Styrene	<5.5		5.5	0.73	ug/Kg	*		08/27/14 16:52	1
1,1,1,2-Tetrachloroethane	<5.5		5.5	1.1	ug/Kg	*		08/27/14 16:52	1
Tetrachloroethene	<5.5		5.5	0.85	ug/Kg	*		08/27/14 16:52	1
Toluene	<5.5		5.5	0.78	ug/Kg	*		08/27/14 16:52	1
trans-1,2-Dichloroethene	<5.5		5.5	0.76	ug/Kg	*		08/27/14 16:52	1
trans-1,3-Dichloropropene	<5.5		5.5	0.99	ug/Kg	*		08/27/14 16:52	1
1,1,1-Trichloroethane	<5.5		5.5	0.83	ug/Kg	*		08/27/14 16:52	1
1,1,2-Trichloroethane	<5.5		5.5	0.76	ug/Kg	*		08/27/14 16:52	1
Trichloroethene	<5.5		5.5	0.91	ug/Kg	*		08/27/14 16:52	1
Vinyl chloride	<5.5		5.5	1.2	ug/Kg	*		08/27/14 16:52	1
Xylenes, Total	<11		11	0.50	ug/Kg	*		08/27/14 16:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 122		08/27/14 16:52	1
Dibromofluoromethane	104		75 - 120		08/27/14 16:52	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		08/27/14 16:52	1
Toluene-d8 (Surr)	95		75 - 122		08/27/14 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<170		170	38	ug/Kg	*	09/02/14 07:19	09/03/14 16:55	1
1,2-Dichlorobenzene	<170		170	42	ug/Kg	*	09/02/14 07:19	09/03/14 16:55	1
1,3-Dichlorobenzene	<170		170	39	ug/Kg	*	09/02/14 07:19	09/03/14 16:55	1
1,4-Dichlorobenzene	<170		170	45	ug/Kg	*	09/02/14 07:19	09/03/14 16:55	1
2,2'-oxybis[1-chloropropane]	<170		170	40	ug/Kg	*	09/02/14 07:19	09/03/14 16:55	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-19(0-7)-082514

Lab Sample ID: 500-82944-5

Date Collected: 08/25/14 10:15

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	79	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
2,4-Dichlorophenol	<350		350	83	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
2,4-Dinitrophenol	<700		700	610	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
2,4-Dinitrotoluene	<170		170	55	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
2,6-Dinitrotoluene	<170		170	68	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
2-Chloronaphthalene	<170		170	38	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
2-Chlorophenol	<170		170	59	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
2-Methylnaphthalene	<35		35	6.4	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
2-Methylphenol	<170		170	56	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
2-Nitroaniline	<170		170	47	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
2-Nitrophenol	<350		350	82	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
3 & 4 Methylphenol	<170		170	58	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
3,3'-Dichlorobenzidine	<170		170	49	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
4,6-Dinitro-2-methylphenol	<350		350	280	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
4-Bromophenyl phenyl ether	<170		170	46	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
4-Chloroaniline	<700		700	160	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
4-Chlorophenyl phenyl ether	<170		170	41	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
4-Nitrophenol	<700		700	330	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Acenaphthylene	<35		35	4.6	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Anthracene	13	J	35	5.8	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Benzo[a]anthracene	78		35	4.7	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Benzo[a]pyrene	77		35	6.7	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Benzo[b]fluoranthene	98		35	7.5	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Benzo[g,h,i]perylene	56		35	11	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Benzo[k]fluoranthene	34	J	35	10	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Bis(2-chloroethoxy)methane	<170		170	36	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Bis(2-chloroethyl)ether	<170		170	52	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Bis(2-ethylhexyl) phthalate	<170		170	64	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Butyl benzyl phthalate	<170		170	66	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Carbazole	<170		170	90	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Chrysene	82		35	9.5	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Dibenz(a,h)anthracene	<35		35	6.7	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Dibenzofuran	<170		170	41	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Diethyl phthalate	<170		170	59	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Dimethyl phthalate	<170		170	45	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Di-n-butyl phthalate	<170		170	53	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Di-n-octyl phthalate	<170		170	57	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Fluoranthene	110		35	6.5	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Fluorene	<35		35	4.9	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Hexachlorobenzene	<70		70	8.1	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Hexachlorobutadiene	<170		170	55	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Hexachlorocyclopentadiene	<700		700	200	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Hexachloroethane	<170		170	53	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-19(0-7)-082514

Lab Sample ID: 500-82944-5

Date Collected: 08/25/14 10:15

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	50		35	9.0	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Isophorone	<170		170	39	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Naphthalene	<35		35	5.4	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Nitrobenzene	<35		35	8.7	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
N-Nitrosodi-n-propylamine	<170		170	43	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
N-Nitrosodiphenylamine	<170		170	41	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Pentachlorophenol	<700		700	560	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Phenanthrene	50		35	4.9	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Phenol	<170		170	77	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Pyrene	130		35	6.9	ug/Kg	☼	09/02/14 07:19	09/03/14 16:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	102		35 - 137				09/02/14 07:19	09/03/14 16:55	1
2-Fluorobiphenyl	67		25 - 119				09/02/14 07:19	09/03/14 16:55	1
2-Fluorophenol	50		25 - 110				09/02/14 07:19	09/03/14 16:55	1
Nitrobenzene-d5	50		25 - 115				09/02/14 07:19	09/03/14 16:55	1
Phenol-d5	51		31 - 110				09/02/14 07:19	09/03/14 16:55	1
Terphenyl-d14	96		36 - 134				09/02/14 07:19	09/03/14 16:55	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:16	1
Barium	0.49	J	0.50	0.050	mg/L		09/03/14 08:15	09/04/14 13:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:15	09/04/14 13:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:15	09/04/14 13:16	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:16	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:16	1
Copper	0.023	J	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:16	1
Iron	<0.20		0.20	0.20	mg/L		09/03/14 08:15	09/04/14 13:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/14 08:15	09/04/14 13:16	1
Manganese	2.2		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:16	1
Nickel	0.020	J	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:16	1
Selenium	0.011	J B	0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:16	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:16	1
Zinc	0.25		0.10	0.020	mg/L		09/03/14 08:15	09/04/14 13:16	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 02:53	1
Barium	0.14	J	0.50	0.050	mg/L		09/02/14 15:40	09/05/14 02:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/05/14 02:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/05/14 02:53	1
Chromium	0.035		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:53	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:53	1
Copper	0.039	B	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:53	1
Iron	31		0.20	0.20	mg/L		09/02/14 15:40	09/05/14 02:53	1
Lead	0.098		0.0075	0.0075	mg/L		09/02/14 15:40	09/05/14 02:53	1
Manganese	0.32		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:53	1
Nickel	0.030		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:53	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 02:53	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-19(0-7)-082514

Lab Sample ID: 500-82944-5

Date Collected: 08/25/14 10:15

Matrix: Solid

Date Received: 08/26/14 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:53	1
Zinc	0.13		0.10	0.020	mg/L		09/02/14 15:40	09/05/14 02:53	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.42	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Arsenic	4.4		0.52	0.10	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Barium	47		0.52	0.056	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Beryllium	0.41		0.21	0.042	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Cadmium	0.23		0.10	0.013	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Calcium	81000	B	100	28	mg/Kg	☼	09/03/14 10:00	09/06/14 00:16	10
Chromium	11	B	0.52	0.060	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Cobalt	4.7		0.26	0.052	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Copper	12	B	0.52	0.10	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Iron	11000		10	4.3	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Lead	36		0.26	0.077	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Magnesium	38000	B	5.2	1.1	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Manganese	360		0.52	0.10	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Nickel	9.9		0.52	0.10	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Potassium	1800		26	1.6	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Selenium	<0.52		0.52	0.18	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Silver	<0.26		0.26	0.019	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Sodium	1400	B	52	7.0	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Thallium	0.70		0.52	0.22	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Vanadium	18		0.26	0.038	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1
Zinc	31	B	1.0	0.21	mg/Kg	☼	09/03/14 10:00	09/04/14 22:00	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 11:25	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 09:47	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	23		16	6.2	ug/Kg	☼	09/03/14 14:30	09/04/14 10:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.50		0.200	0.200	SU			08/28/14 23:37	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-19(7-15)-082514

Lab Sample ID: 500-82944-6

Date Collected: 08/25/14 10:20

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 78.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.4		6.4	2.7	ug/Kg	*		08/27/14 17:15	1
Benzene	<6.4		6.4	0.87	ug/Kg	*		08/27/14 17:15	1
Bromodichloromethane	<6.4		6.4	1.1	ug/Kg	*		08/27/14 17:15	1
Bromoform	<6.4		6.4	1.5	ug/Kg	*		08/27/14 17:15	1
Bromomethane	<6.4		6.4	1.9	ug/Kg	*		08/27/14 17:15	1
Carbon disulfide	<6.4		6.4	0.95	ug/Kg	*		08/27/14 17:15	1
Carbon tetrachloride	<6.4		6.4	1.2	ug/Kg	*		08/27/14 17:15	1
Chlorobenzene	<6.4		6.4	0.65	ug/Kg	*		08/27/14 17:15	1
Chloroethane	<6.4		6.4	1.7	ug/Kg	*		08/27/14 17:15	1
Chloroform	<6.4		6.4	0.73	ug/Kg	*		08/27/14 17:15	1
Chloromethane	<6.4		6.4	1.3	ug/Kg	*		08/27/14 17:15	1
cis-1,2-Dichloroethene	<6.4		6.4	0.90	ug/Kg	*		08/27/14 17:15	1
cis-1,3-Dichloropropene	<6.4		6.4	0.84	ug/Kg	*		08/27/14 17:15	1
Dibromochloromethane	<6.4		6.4	1.1	ug/Kg	*		08/27/14 17:15	1
1,1-Dichloroethane	<6.4		6.4	1.0	ug/Kg	*		08/27/14 17:15	1
1,2-Dichloroethane	<6.4		6.4	0.94	ug/Kg	*		08/27/14 17:15	1
1,1-Dichloroethene	<6.4		6.4	1.0	ug/Kg	*		08/27/14 17:15	1
1,2-Dichloropropane	<6.4		6.4	0.97	ug/Kg	*		08/27/14 17:15	1
1,3-Dichloropropene, Total	<6.4		6.4	0.84	ug/Kg	*		08/27/14 17:15	1
Ethylbenzene	<6.4		6.4	1.3	ug/Kg	*		08/27/14 17:15	1
2-Hexanone	<6.4		6.4	1.8	ug/Kg	*		08/27/14 17:15	1
Methylene Chloride	<6.4		6.4	1.7	ug/Kg	*		08/27/14 17:15	1
Methyl Ethyl Ketone	<6.4		6.4	2.3	ug/Kg	*		08/27/14 17:15	1
methyl isobutyl ketone	<6.4		6.4	1.7	ug/Kg	*		08/27/14 17:15	1
Methyl tert-butyl ether	<6.4		6.4	1.1	ug/Kg	*		08/27/14 17:15	1
Styrene	<6.4		6.4	0.84	ug/Kg	*		08/27/14 17:15	1
1,1,2,2-Tetrachloroethane	<6.4		6.4	1.3	ug/Kg	*		08/27/14 17:15	1
Tetrachloroethene	<6.4		6.4	0.97	ug/Kg	*		08/27/14 17:15	1
Toluene	<6.4		6.4	0.89	ug/Kg	*		08/27/14 17:15	1
trans-1,2-Dichloroethene	<6.4		6.4	0.88	ug/Kg	*		08/27/14 17:15	1
trans-1,3-Dichloropropene	<6.4		6.4	1.1	ug/Kg	*		08/27/14 17:15	1
1,1,1-Trichloroethane	<6.4		6.4	0.95	ug/Kg	*		08/27/14 17:15	1
1,1,2-Trichloroethane	<6.4		6.4	0.87	ug/Kg	*		08/27/14 17:15	1
Trichloroethene	<6.4		6.4	1.1	ug/Kg	*		08/27/14 17:15	1
Vinyl chloride	<6.4		6.4	1.3	ug/Kg	*		08/27/14 17:15	1
Xylenes, Total	<13		13	0.58	ug/Kg	*		08/27/14 17:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 122		08/27/14 17:15	1
Dibromofluoromethane	106		75 - 120		08/27/14 17:15	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134		08/27/14 17:15	1
Toluene-d8 (Surr)	97		75 - 122		08/27/14 17:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	*	09/02/14 07:19	09/03/14 14:28	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	*	09/02/14 07:19	09/03/14 14:28	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	*	09/02/14 07:19	09/03/14 14:28	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	*	09/02/14 07:19	09/03/14 14:28	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	*	09/02/14 07:19	09/03/14 14:28	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-19(7-15)-082514

Lab Sample ID: 500-82944-6

Date Collected: 08/25/14 10:20

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 78.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
2,4-Dinitrophenol	<810		810	700	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
2-Methylnaphthalene	<40		40	7.4	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
2-Methylphenol	<200		200	64	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Anthracene	<40		40	6.7	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Benzo[a]anthracene	10 J		40	5.4	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Benzo[a]pyrene	18 J		40	7.7	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Benzo[b]fluoranthene	21 J		40	8.6	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Benzo[g,h,i]perylene	18 J		40	13	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Benzo[k]fluoranthene	13 J		40	12	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Carbazole	<200		200	100	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Chrysene	15 J		40	11	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Dibenz(a,h)anthracene	9.8 J		40	7.7	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Dibenzofuran	<200		200	47	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Fluoranthene	15 J		40	7.4	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Fluorene	<40		40	5.6	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Hexachloroethane	<200		200	61	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-19(7-15)-082514

Lab Sample ID: 500-82944-6

Date Collected: 08/25/14 10:20

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 78.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	13	J	40	10	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Isophorone	<200		200	45	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Naphthalene	<40		40	6.2	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Nitrobenzene	<40		40	10	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Phenanthrene	10	J	40	5.6	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Phenol	<200		200	89	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Pyrene	<40		40	8.0	ug/Kg	☼	09/02/14 07:19	09/03/14 14:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	102		35 - 137				09/02/14 07:19	09/03/14 14:28	1
2-Fluorobiphenyl	63		25 - 119				09/02/14 07:19	09/03/14 14:28	1
2-Fluorophenol	52		25 - 110				09/02/14 07:19	09/03/14 14:28	1
Nitrobenzene-d5	50		25 - 115				09/02/14 07:19	09/03/14 14:28	1
Phenol-d5	49		31 - 110				09/02/14 07:19	09/03/14 14:28	1
Terphenyl-d14	83		36 - 134				09/02/14 07:19	09/03/14 14:28	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:29	1
Barium	0.52		0.50	0.050	mg/L		09/03/14 08:15	09/04/14 13:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:15	09/04/14 13:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:15	09/04/14 13:29	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:29	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:29	1
Copper	0.043		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:29	1
Iron	<0.20		0.20	0.20	mg/L		09/03/14 08:15	09/04/14 13:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/14 08:15	09/04/14 13:29	1
Manganese	0.48		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:29	1
Nickel	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:29	1
Selenium	0.017	J B	0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:29	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:29	1
Zinc	0.15		0.10	0.020	mg/L		09/03/14 08:15	09/04/14 13:29	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.026	J	0.050	0.010	mg/L		09/02/14 15:40	09/05/14 02:57	1
Barium	0.37	J	0.50	0.050	mg/L		09/02/14 15:40	09/05/14 02:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/05/14 02:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/05/14 02:57	1
Chromium	0.093		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:57	1
Cobalt	0.023	J	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:57	1
Copper	0.085	B	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:57	1
Iron	93		0.20	0.20	mg/L		09/02/14 15:40	09/05/14 02:57	1
Lead	0.11		0.0075	0.0075	mg/L		09/02/14 15:40	09/05/14 02:57	1
Manganese	1.0		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:57	1
Nickel	0.090		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:57	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 02:57	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-19(7-15)-082514

Lab Sample ID: 500-82944-6

Date Collected: 08/25/14 10:20

Matrix: Solid

Date Received: 08/26/14 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:57	1
Zinc	0.28		0.10	0.020	mg/L		09/02/14 15:40	09/05/14 02:57	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.3		1.3	0.51	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Arsenic	5.1		0.63	0.13	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Barium	46		0.63	0.067	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Beryllium	0.46		0.25	0.050	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Cadmium	0.26		0.13	0.016	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Calcium	110000	B	130	34	mg/Kg	☼	09/03/14 10:00	09/06/14 00:20	10
Chromium	12	B	0.63	0.073	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Cobalt	5.2		0.32	0.063	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Copper	13	B	0.63	0.13	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Iron	11000		13	5.2	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Lead	23		0.32	0.094	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Magnesium	54000	B	6.3	1.3	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Manganese	430		0.63	0.13	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Nickel	11		0.63	0.13	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Potassium	2000		32	1.9	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Selenium	<0.63		0.63	0.22	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Silver	<0.32		0.32	0.023	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Sodium	1000	B	63	8.4	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Thallium	0.67		0.63	0.27	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Vanadium	20		0.32	0.047	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1
Zinc	30	B	1.3	0.25	mg/Kg	☼	09/03/14 10:00	09/04/14 22:06	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 11:27	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 09:49	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	22		20	7.7	ug/Kg	☼	09/03/14 14:30	09/04/14 10:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.90		0.200	0.200	SU			08/28/14 23:37	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-5(0-4)-082514

Lab Sample ID: 500-82944-9

Date Collected: 08/25/14 11:00

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 86.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	*		08/27/14 18:23	1
Benzene	<5.8		5.8	0.79	ug/Kg	*		08/27/14 18:23	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	*		08/27/14 18:23	1
Bromoform	<5.8		5.8	1.3	ug/Kg	*		08/27/14 18:23	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	*		08/27/14 18:23	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	*		08/27/14 18:23	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	*		08/27/14 18:23	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	*		08/27/14 18:23	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	*		08/27/14 18:23	1
Chloroform	<5.8		5.8	0.67	ug/Kg	*		08/27/14 18:23	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	*		08/27/14 18:23	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	*		08/27/14 18:23	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	*		08/27/14 18:23	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	*		08/27/14 18:23	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	*		08/27/14 18:23	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	*		08/27/14 18:23	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	*		08/27/14 18:23	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	*		08/27/14 18:23	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	*		08/27/14 18:23	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	*		08/27/14 18:23	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	*		08/27/14 18:23	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	*		08/27/14 18:23	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	*		08/27/14 18:23	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	*		08/27/14 18:23	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	*		08/27/14 18:23	1
Styrene	<5.8		5.8	0.76	ug/Kg	*		08/27/14 18:23	1
1,1,1,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	*		08/27/14 18:23	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	*		08/27/14 18:23	1
Toluene	<5.8		5.8	0.81	ug/Kg	*		08/27/14 18:23	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	*		08/27/14 18:23	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	*		08/27/14 18:23	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	*		08/27/14 18:23	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	*		08/27/14 18:23	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	*		08/27/14 18:23	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	*		08/27/14 18:23	1
Xylenes, Total	<12		12	0.53	ug/Kg	*		08/27/14 18:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 122		08/27/14 18:23	1
Dibromofluoromethane	108		75 - 120		08/27/14 18:23	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134		08/27/14 18:23	1
Toluene-d8 (Surr)	97		75 - 122		08/27/14 18:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	*	09/02/14 07:19	09/03/14 17:16	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	*	09/02/14 07:19	09/03/14 17:16	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	*	09/02/14 07:19	09/03/14 17:16	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	*	09/02/14 07:19	09/03/14 17:16	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	*	09/02/14 07:19	09/03/14 17:16	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-5(0-4)-082514

Lab Sample ID: 500-82944-9

Date Collected: 08/25/14 11:00

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
2-Methylphenol	<190		190	60	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Anthracene	<37		37	6.2	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Benzo[a]anthracene	29	J	37	5.0	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Benzo[a]pyrene	37		37	7.2	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Benzo[b]fluoranthene	56		37	8.0	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Benzo[g,h,i]perylene	38		37	12	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Benzo[k]fluoranthene	23	J	37	11	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Carbazole	<190		190	96	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Chrysene	41		37	10	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Dibenz(a,h)anthracene	11	J	37	7.2	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Fluoranthene	38		37	6.9	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Fluorene	<37		37	5.2	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Hexachloroethane	<190		190	57	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-5(0-4)-082514

Lab Sample ID: 500-82944-9

Date Collected: 08/25/14 11:00

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	36	J	37	9.6	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Isophorone	<190		190	42	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Naphthalene	<37		37	5.7	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
N-Nitrosodi-n-propylamine	<190		190	45	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Phenanthrene	17	J	37	5.2	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Phenol	<190		190	83	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Pyrene	50		37	7.4	ug/Kg	☼	09/02/14 07:19	09/03/14 17:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	105		35 - 137				09/02/14 07:19	09/03/14 17:16	1
2-Fluorobiphenyl	58		25 - 119				09/02/14 07:19	09/03/14 17:16	1
2-Fluorophenol	46		25 - 110				09/02/14 07:19	09/03/14 17:16	1
Nitrobenzene-d5	44		25 - 115				09/02/14 07:19	09/03/14 17:16	1
Phenol-d5	47		31 - 110				09/02/14 07:19	09/03/14 17:16	1
Terphenyl-d14	106		36 - 134				09/02/14 07:19	09/03/14 17:16	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	J	0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:44	1
Barium	0.60		0.50	0.050	mg/L		09/03/14 08:15	09/04/14 13:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:15	09/04/14 13:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:15	09/04/14 13:44	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:44	1
Cobalt	0.019	J	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:44	1
Copper	0.020	J	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:44	1
Iron	<0.20		0.20	0.20	mg/L		09/03/14 08:15	09/04/14 13:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/14 08:15	09/04/14 13:44	1
Manganese	4.1		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:44	1
Nickel	0.015	J	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:44	1
Selenium	0.015	J B	0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:44	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:44	1
Zinc	0.30		0.10	0.020	mg/L		09/03/14 08:15	09/04/14 13:44	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.047	J	0.050	0.010	mg/L		09/02/14 15:40	09/05/14 03:09	1
Barium	0.58		0.50	0.050	mg/L		09/02/14 15:40	09/05/14 03:09	1
Beryllium	0.0056		0.0040	0.0040	mg/L		09/02/14 15:40	09/05/14 03:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/05/14 03:09	1
Chromium	0.15		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:09	1
Cobalt	0.057		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:09	1
Copper	0.20	B	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:09	1
Iron	140		0.20	0.20	mg/L		09/02/14 15:40	09/05/14 03:09	1
Lead	0.46		0.0075	0.0075	mg/L		09/02/14 15:40	09/05/14 03:09	1
Manganese	1.5		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:09	1
Nickel	0.17		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:09	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 03:09	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-5(0-4)-082514

Lab Sample ID: 500-82944-9

Date Collected: 08/25/14 11:00

Matrix: Solid

Date Received: 08/26/14 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:09	1
Zinc	0.55		0.10	0.020	mg/L		09/02/14 15:40	09/05/14 03:09	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.46	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Arsenic	3.9		0.58	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Barium	35		0.58	0.062	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Beryllium	0.36		0.23	0.046	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Cadmium	0.29		0.12	0.015	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Calcium	110000	B	120	31	mg/Kg	☼	09/03/14 10:00	09/06/14 00:28	10
Chromium	11	B	0.58	0.067	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Cobalt	5.2		0.29	0.058	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Copper	14	B	0.58	0.12	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Iron	10000		12	4.7	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Lead	57		0.29	0.086	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Magnesium	49000	B	5.8	1.2	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Manganese	350		0.58	0.12	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Nickel	10		0.58	0.12	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Potassium	1800		29	1.7	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Selenium	<0.58		0.58	0.20	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Sodium	1600	B	58	7.7	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Thallium	0.45	J	0.58	0.24	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Vanadium	17		0.29	0.043	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1
Zinc	34	B	1.2	0.23	mg/Kg	☼	09/03/14 10:00	09/04/14 22:40	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 11:41	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 09:55	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	26		17	6.7	ug/Kg	☼	09/03/14 14:30	09/04/14 11:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.77		0.200	0.200	SU			08/28/14 23:37	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-4(0-7)-082514

Lab Sample ID: 500-82944-10

Date Collected: 08/25/14 11:15

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 89.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	57		5.6	2.4	ug/Kg	☼		08/27/14 18:46	1
Benzene	<5.6		5.6	0.76	ug/Kg	☼		08/27/14 18:46	1
Bromodichloromethane	<5.6		5.6	0.96	ug/Kg	☼		08/27/14 18:46	1
Bromoform	<5.6		5.6	1.3	ug/Kg	☼		08/27/14 18:46	1
Bromomethane	<5.6		5.6	1.7	ug/Kg	☼		08/27/14 18:46	1
Carbon disulfide	<5.6		5.6	0.83	ug/Kg	☼		08/27/14 18:46	1
Carbon tetrachloride	<5.6		5.6	1.0	ug/Kg	☼		08/27/14 18:46	1
Chlorobenzene	<5.6		5.6	0.56	ug/Kg	☼		08/27/14 18:46	1
Chloroethane	<5.6		5.6	1.5	ug/Kg	☼		08/27/14 18:46	1
Chloroform	<5.6		5.6	0.64	ug/Kg	☼		08/27/14 18:46	1
Chloromethane	<5.6		5.6	1.2	ug/Kg	☼		08/27/14 18:46	1
cis-1,2-Dichloroethene	<5.6		5.6	0.79	ug/Kg	☼		08/27/14 18:46	1
cis-1,3-Dichloropropene	<5.6		5.6	0.73	ug/Kg	☼		08/27/14 18:46	1
Dibromochloromethane	<5.6		5.6	0.97	ug/Kg	☼		08/27/14 18:46	1
1,1-Dichloroethane	<5.6		5.6	0.88	ug/Kg	☼		08/27/14 18:46	1
1,2-Dichloroethane	<5.6		5.6	0.82	ug/Kg	☼		08/27/14 18:46	1
1,1-Dichloroethene	<5.6		5.6	0.90	ug/Kg	☼		08/27/14 18:46	1
1,2-Dichloropropane	<5.6		5.6	0.84	ug/Kg	☼		08/27/14 18:46	1
1,3-Dichloropropene, Total	<5.6		5.6	0.73	ug/Kg	☼		08/27/14 18:46	1
Ethylbenzene	<5.6		5.6	1.1	ug/Kg	☼		08/27/14 18:46	1
2-Hexanone	<5.6		5.6	1.6	ug/Kg	☼		08/27/14 18:46	1
Methylene Chloride	<5.6		5.6	1.5	ug/Kg	☼		08/27/14 18:46	1
Methyl Ethyl Ketone	12		5.6	2.0	ug/Kg	☼		08/27/14 18:46	1
methyl isobutyl ketone	<5.6		5.6	1.5	ug/Kg	☼		08/27/14 18:46	1
Methyl tert-butyl ether	<5.6		5.6	0.92	ug/Kg	☼		08/27/14 18:46	1
Styrene	<5.6		5.6	0.73	ug/Kg	☼		08/27/14 18:46	1
1,1,1,2-Tetrachloroethane	<5.6		5.6	1.1	ug/Kg	☼		08/27/14 18:46	1
Tetrachloroethene	<5.6		5.6	0.85	ug/Kg	☼		08/27/14 18:46	1
Toluene	<5.6		5.6	0.78	ug/Kg	☼		08/27/14 18:46	1
trans-1,2-Dichloroethene	<5.6		5.6	0.77	ug/Kg	☼		08/27/14 18:46	1
trans-1,3-Dichloropropene	<5.6		5.6	1.0	ug/Kg	☼		08/27/14 18:46	1
1,1,1-Trichloroethane	<5.6		5.6	0.83	ug/Kg	☼		08/27/14 18:46	1
1,1,2-Trichloroethane	<5.6		5.6	0.76	ug/Kg	☼		08/27/14 18:46	1
Trichloroethene	<5.6		5.6	0.92	ug/Kg	☼		08/27/14 18:46	1
Vinyl chloride	<5.6		5.6	1.2	ug/Kg	☼		08/27/14 18:46	1
Xylenes, Total	<11		11	0.50	ug/Kg	☼		08/27/14 18:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 122		08/27/14 18:46	1
Dibromofluoromethane	111		75 - 120		08/27/14 18:46	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 134		08/27/14 18:46	1
Toluene-d8 (Surr)	96		75 - 122		08/27/14 18:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-4(0-7)-082514

Lab Sample ID: 500-82944-10

Date Collected: 08/25/14 11:15

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
2-Methylnaphthalene	16	J	36	6.7	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
2-Methylphenol	<180		180	58	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
4-Nitrophenol	<730		730	350	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Acenaphthene	7.1	J	36	6.5	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Acenaphthylene	11	J	36	4.8	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Anthracene	65		36	6.1	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Benzo[a]anthracene	190		36	4.9	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Benzo[a]pyrene	170		36	7.0	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Benzo[b]fluoranthene	130		36	7.8	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Benzo[g,h,i]perylene	78		36	12	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Benzo[k]fluoranthene	150		36	11	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Carbazole	<180		180	94	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Chrysene	180		36	9.9	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Dibenzofuran	<180		180	43	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Fluoranthene	330		36	6.7	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Fluorene	13	J	36	5.1	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Hexachloroethane	<180		180	55	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-4(0-7)-082514

Lab Sample ID: 500-82944-10

Date Collected: 08/25/14 11:15

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	87		36	9.4	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Isophorone	<180		180	41	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Naphthalene	<36		36	5.6	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Phenanthrene	290		36	5.1	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Phenol	<180		180	81	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Pyrene	330		36	7.2	ug/Kg	☼	09/02/14 07:19	09/08/14 02:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	77		35 - 137				09/02/14 07:19	09/08/14 02:47	1
2-Fluorobiphenyl	67		25 - 119				09/02/14 07:19	09/08/14 02:47	1
2-Fluorophenol	72		25 - 110				09/02/14 07:19	09/08/14 02:47	1
Nitrobenzene-d5	62		25 - 115				09/02/14 07:19	09/08/14 02:47	1
Phenol-d5	80		31 - 110				09/02/14 07:19	09/08/14 02:47	1
Terphenyl-d14	83		36 - 134				09/02/14 07:19	09/08/14 02:47	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	J	0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:49	1
Barium	0.64		0.50	0.050	mg/L		09/03/14 08:15	09/04/14 13:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:15	09/04/14 13:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:15	09/04/14 13:49	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:49	1
Cobalt	0.024	J	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:49	1
Copper	0.064		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:49	1
Iron	0.32		0.20	0.20	mg/L		09/03/14 08:15	09/04/14 13:49	1
Lead	0.014		0.0075	0.0075	mg/L		09/03/14 08:15	09/04/14 13:49	1
Manganese	5.2		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:49	1
Nickel	0.032		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:49	1
Selenium	0.021	J B	0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:49	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:49	1
Zinc	0.37		0.10	0.020	mg/L		09/03/14 08:15	09/04/14 13:49	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.011	J	0.050	0.010	mg/L		09/02/14 15:40	09/05/14 03:13	1
Barium	0.20	J	0.50	0.050	mg/L		09/02/14 15:40	09/05/14 03:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/05/14 03:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/05/14 03:13	1
Chromium	0.046		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:13	1
Cobalt	0.017	J	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:13	1
Copper	0.051	B	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:13	1
Iron	42		0.20	0.20	mg/L		09/02/14 15:40	09/05/14 03:13	1
Lead	0.12		0.0075	0.0075	mg/L		09/02/14 15:40	09/05/14 03:13	1
Manganese	0.64		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:13	1
Nickel	0.041		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:13	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 03:13	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-4(0-7)-082514

Lab Sample ID: 500-82944-10

Date Collected: 08/25/14 11:15

Matrix: Solid

Date Received: 08/26/14 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:13	1
Zinc	0.20		0.10	0.020	mg/L		09/02/14 15:40	09/05/14 03:13	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.44	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Arsenic	5.2		0.55	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Barium	55		0.55	0.059	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Beryllium	0.44		0.22	0.044	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Cadmium	0.23		0.11	0.014	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Calcium	43000 B		11	3.0	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Chromium	15 B		0.55	0.064	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Cobalt	6.5		0.28	0.055	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Copper	16 B		0.55	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Iron	13000		11	4.5	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Lead	39		0.28	0.082	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Magnesium	28000 B		5.5	1.1	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Manganese	330		0.55	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Nickel	13		0.55	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Potassium	1700		28	1.7	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Selenium	<0.55		0.55	0.20	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Silver	<0.28		0.28	0.020	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Sodium	1600 B		55	7.4	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Thallium	0.86		0.55	0.23	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Vanadium	23		0.28	0.041	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1
Zinc	52 B		1.1	0.22	mg/Kg	☼	09/03/14 10:00	09/04/14 22:46	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 11:43	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 09:57	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	22		19	7.3	ug/Kg	☼	09/03/14 14:30	09/04/14 11:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.61		0.200	0.200	SU			08/28/14 23:37	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-4(7-15)-082514

Lab Sample ID: 500-82944-11

Date Collected: 08/25/14 11:20

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 90.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.5		5.5	2.4	ug/Kg	*		08/27/14 19:09	1
Benzene	<5.5		5.5	0.76	ug/Kg	*		08/27/14 19:09	1
Bromodichloromethane	<5.5		5.5	0.95	ug/Kg	*		08/27/14 19:09	1
Bromoform	<5.5		5.5	1.3	ug/Kg	*		08/27/14 19:09	1
Bromomethane	<5.5		5.5	1.7	ug/Kg	*		08/27/14 19:09	1
Carbon disulfide	<5.5		5.5	0.83	ug/Kg	*		08/27/14 19:09	1
Carbon tetrachloride	<5.5		5.5	1.0	ug/Kg	*		08/27/14 19:09	1
Chlorobenzene	<5.5		5.5	0.56	ug/Kg	*		08/27/14 19:09	1
Chloroethane	<5.5		5.5	1.5	ug/Kg	*		08/27/14 19:09	1
Chloroform	<5.5		5.5	0.64	ug/Kg	*		08/27/14 19:09	1
Chloromethane	<5.5		5.5	1.2	ug/Kg	*		08/27/14 19:09	1
cis-1,2-Dichloroethene	<5.5		5.5	0.78	ug/Kg	*		08/27/14 19:09	1
cis-1,3-Dichloropropene	<5.5		5.5	0.73	ug/Kg	*		08/27/14 19:09	1
Dibromochloromethane	<5.5		5.5	0.96	ug/Kg	*		08/27/14 19:09	1
1,1-Dichloroethane	<5.5		5.5	0.87	ug/Kg	*		08/27/14 19:09	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	*		08/27/14 19:09	1
1,1-Dichloroethene	<5.5		5.5	0.89	ug/Kg	*		08/27/14 19:09	1
1,2-Dichloropropane	<5.5		5.5	0.84	ug/Kg	*		08/27/14 19:09	1
1,3-Dichloropropene, Total	<5.5		5.5	0.73	ug/Kg	*		08/27/14 19:09	1
Ethylbenzene	<5.5		5.5	1.1	ug/Kg	*		08/27/14 19:09	1
2-Hexanone	<5.5		5.5	1.6	ug/Kg	*		08/27/14 19:09	1
Methylene Chloride	<5.5		5.5	1.5	ug/Kg	*		08/27/14 19:09	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	*		08/27/14 19:09	1
methyl isobutyl ketone	<5.5		5.5	1.4	ug/Kg	*		08/27/14 19:09	1
Methyl tert-butyl ether	<5.5		5.5	0.91	ug/Kg	*		08/27/14 19:09	1
Styrene	<5.5		5.5	0.73	ug/Kg	*		08/27/14 19:09	1
1,1,1,2-Tetrachloroethane	<5.5		5.5	1.1	ug/Kg	*		08/27/14 19:09	1
Tetrachloroethene	<5.5		5.5	0.84	ug/Kg	*		08/27/14 19:09	1
Toluene	<5.5		5.5	0.77	ug/Kg	*		08/27/14 19:09	1
trans-1,2-Dichloroethene	<5.5		5.5	0.76	ug/Kg	*		08/27/14 19:09	1
trans-1,3-Dichloropropene	<5.5		5.5	0.99	ug/Kg	*		08/27/14 19:09	1
1,1,1-Trichloroethane	<5.5		5.5	0.83	ug/Kg	*		08/27/14 19:09	1
1,1,2-Trichloroethane	<5.5		5.5	0.75	ug/Kg	*		08/27/14 19:09	1
Trichloroethene	<5.5		5.5	0.91	ug/Kg	*		08/27/14 19:09	1
Vinyl chloride	<5.5		5.5	1.2	ug/Kg	*		08/27/14 19:09	1
Xylenes, Total	<11		11	0.50	ug/Kg	*		08/27/14 19:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 122		08/27/14 19:09	1
Dibromofluoromethane	104		75 - 120		08/27/14 19:09	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 134		08/27/14 19:09	1
Toluene-d8 (Surr)	98		75 - 122		08/27/14 19:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	*	09/02/14 07:19	09/08/14 03:09	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	*	09/02/14 07:19	09/08/14 03:09	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	*	09/02/14 07:19	09/08/14 03:09	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	*	09/02/14 07:19	09/08/14 03:09	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	*	09/02/14 07:19	09/08/14 03:09	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-4(7-15)-082514

Lab Sample ID: 500-82944-11

Date Collected: 08/25/14 11:20

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 90.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
2-Methylnaphthalene	<36		36	6.6	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
2-Methylphenol	<180		180	58	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Anthracene	<36		36	6.0	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Benzo[a]anthracene	41		36	4.9	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Benzo[a]pyrene	42		36	7.0	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Benzo[b]fluoranthene	98		36	7.8	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Benzo[k]fluoranthene	36		36	11	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Bis(2-ethylhexyl) phthalate	88 J		180	66	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Carbazole	<180		180	93	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Chrysene	64		36	9.9	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Dibenzofuran	<180		180	42	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Fluoranthene	100		36	6.7	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Fluorene	<36		36	5.1	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Hexachloroethane	<180		180	55	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-4(7-15)-082514

Lab Sample ID: 500-82944-11

Date Collected: 08/25/14 11:20

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 90.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<36		36	9.4	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Isophorone	<180		180	41	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Naphthalene	<36		36	5.6	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Phenanthrene	<36		36	5.0	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Phenol	<180		180	80	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1
Pyrene	71		36	7.2	ug/Kg	☼	09/02/14 07:19	09/08/14 03:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	73		35 - 137	09/02/14 07:19	09/08/14 03:09	1
2-Fluorobiphenyl	68		25 - 119	09/02/14 07:19	09/08/14 03:09	1
2-Fluorophenol	73		25 - 110	09/02/14 07:19	09/08/14 03:09	1
Nitrobenzene-d5	61		25 - 115	09/02/14 07:19	09/08/14 03:09	1
Phenol-d5	77		31 - 110	09/02/14 07:19	09/08/14 03:09	1
Terphenyl-d14	83		36 - 134	09/02/14 07:19	09/08/14 03:09	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:54	1
Barium	0.61		0.50	0.050	mg/L		09/03/14 08:15	09/04/14 13:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:15	09/04/14 13:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:15	09/04/14 13:54	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:54	1
Cobalt	0.015	J	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:54	1
Copper	0.016	J	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:54	1
Iron	<0.20		0.20	0.20	mg/L		09/03/14 08:15	09/04/14 13:54	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/14 08:15	09/04/14 13:54	1
Manganese	4.7		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:54	1
Nickel	0.022	J	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:54	1
Selenium	0.019	J B	0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:54	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:54	1
Zinc	0.26		0.10	0.020	mg/L		09/03/14 08:15	09/04/14 13:54	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 03:26	1
Barium	0.30	J	0.50	0.050	mg/L		09/02/14 15:40	09/05/14 03:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/05/14 03:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/05/14 03:26	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:26	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:26	1
Copper	0.021	J B	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:26	1
Iron	2.2		0.20	0.20	mg/L		09/02/14 15:40	09/05/14 03:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/14 15:40	09/05/14 03:26	1
Manganese	0.045		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:26	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:26	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 03:26	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-4(7-15)-082514

Lab Sample ID: 500-82944-11

Date Collected: 08/25/14 11:20

Matrix: Solid

Date Received: 08/26/14 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:26	1
Zinc	0.26		0.10	0.020	mg/L		09/02/14 15:40	09/05/14 03:26	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.44	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Arsenic	3.8		0.54	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Barium	23		0.54	0.058	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Beryllium	0.27		0.22	0.043	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Cadmium	0.18		0.11	0.014	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Calcium	110000	B	110	29	mg/Kg	☼	09/03/14 10:00	09/06/14 00:32	10
Chromium	9.3	B	0.54	0.063	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Cobalt	3.2		0.27	0.054	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Copper	9.1	B	0.54	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Iron	8200		11	4.5	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Lead	8.1		0.27	0.081	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Magnesium	52000	B	5.4	1.1	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Manganese	290		0.54	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Nickel	7.7		0.54	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Potassium	1300		27	1.6	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Selenium	<0.54		0.54	0.19	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Silver	<0.27		0.27	0.020	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Sodium	560	B	54	7.3	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Thallium	0.55		0.54	0.23	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Vanadium	13		0.27	0.040	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1
Zinc	22	B	1.1	0.22	mg/Kg	☼	09/03/14 10:00	09/04/14 22:52	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 11:45	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 09:59	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	17	J	18	7.0	ug/Kg	☼	09/03/14 14:30	09/04/14 11:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.51		0.200	0.200	SU			08/28/14 23:37	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-4(7-15)-082514D

Lab Sample ID: 500-82944-12

Date Collected: 08/25/14 11:20

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 91.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.5		5.5	2.4	ug/Kg	*		08/27/14 19:32	1
Benzene	<5.5		5.5	0.75	ug/Kg	*		08/27/14 19:32	1
Bromodichloromethane	<5.5		5.5	0.95	ug/Kg	*		08/27/14 19:32	1
Bromoform	<5.5		5.5	1.3	ug/Kg	*		08/27/14 19:32	1
Bromomethane	<5.5		5.5	1.7	ug/Kg	*		08/27/14 19:32	1
Carbon disulfide	<5.5		5.5	0.82	ug/Kg	*		08/27/14 19:32	1
Carbon tetrachloride	<5.5		5.5	1.0	ug/Kg	*		08/27/14 19:32	1
Chlorobenzene	<5.5		5.5	0.56	ug/Kg	*		08/27/14 19:32	1
Chloroethane	<5.5		5.5	1.5	ug/Kg	*		08/27/14 19:32	1
Chloroform	<5.5		5.5	0.63	ug/Kg	*		08/27/14 19:32	1
Chloromethane	<5.5		5.5	1.2	ug/Kg	*		08/27/14 19:32	1
cis-1,2-Dichloroethene	<5.5		5.5	0.78	ug/Kg	*		08/27/14 19:32	1
cis-1,3-Dichloropropene	<5.5		5.5	0.72	ug/Kg	*		08/27/14 19:32	1
Dibromochloromethane	<5.5		5.5	0.96	ug/Kg	*		08/27/14 19:32	1
1,1-Dichloroethane	<5.5		5.5	0.87	ug/Kg	*		08/27/14 19:32	1
1,2-Dichloroethane	<5.5		5.5	0.81	ug/Kg	*		08/27/14 19:32	1
1,1-Dichloroethene	<5.5		5.5	0.89	ug/Kg	*		08/27/14 19:32	1
1,2-Dichloropropane	<5.5		5.5	0.83	ug/Kg	*		08/27/14 19:32	1
1,3-Dichloropropene, Total	<5.5		5.5	0.72	ug/Kg	*		08/27/14 19:32	1
Ethylbenzene	<5.5		5.5	1.1	ug/Kg	*		08/27/14 19:32	1
2-Hexanone	<5.5		5.5	1.6	ug/Kg	*		08/27/14 19:32	1
Methylene Chloride	<5.5		5.5	1.5	ug/Kg	*		08/27/14 19:32	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	*		08/27/14 19:32	1
methyl isobutyl ketone	<5.5		5.5	1.4	ug/Kg	*		08/27/14 19:32	1
Methyl tert-butyl ether	<5.5		5.5	0.91	ug/Kg	*		08/27/14 19:32	1
Styrene	<5.5		5.5	0.72	ug/Kg	*		08/27/14 19:32	1
1,1,1,2-Tetrachloroethane	<5.5		5.5	1.1	ug/Kg	*		08/27/14 19:32	1
Tetrachloroethene	<5.5		5.5	0.84	ug/Kg	*		08/27/14 19:32	1
Toluene	<5.5		5.5	0.77	ug/Kg	*		08/27/14 19:32	1
trans-1,2-Dichloroethene	<5.5		5.5	0.76	ug/Kg	*		08/27/14 19:32	1
trans-1,3-Dichloropropene	<5.5		5.5	0.98	ug/Kg	*		08/27/14 19:32	1
1,1,1-Trichloroethane	<5.5		5.5	0.82	ug/Kg	*		08/27/14 19:32	1
1,1,2-Trichloroethane	<5.5		5.5	0.75	ug/Kg	*		08/27/14 19:32	1
Trichloroethene	<5.5		5.5	0.91	ug/Kg	*		08/27/14 19:32	1
Vinyl chloride	<5.5		5.5	1.2	ug/Kg	*		08/27/14 19:32	1
Xylenes, Total	<11		11	0.50	ug/Kg	*		08/27/14 19:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122		08/27/14 19:32	1
Dibromofluoromethane	110		75 - 120		08/27/14 19:32	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		08/27/14 19:32	1
Toluene-d8 (Surr)	98		75 - 122		08/27/14 19:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	38	ug/Kg	*	09/02/14 07:19	09/03/14 17:58	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	*	09/02/14 07:19	09/03/14 17:58	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	*	09/02/14 07:19	09/03/14 17:58	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	*	09/02/14 07:19	09/03/14 17:58	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	*	09/02/14 07:19	09/03/14 17:58	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-4(7-15)-082514D

Lab Sample ID: 500-82944-12

Date Collected: 08/25/14 11:20

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 91.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	81	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
2,4-Dichlorophenol	<350		350	85	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
2,4-Dimethylphenol	<350		350	140	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
2-Methylnaphthalene	<35		35	6.6	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
2-Methylphenol	<180		180	57	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
4,6-Dinitro-2-methylphenol	<350		350	290	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Acenaphthene	<35		35	6.4	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Anthracene	<35		35	6.0	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Benzo[a]anthracene	11 J		35	4.8	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Benzo[a]pyrene	13 J		35	6.9	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Benzo[b]fluoranthene	20 J		35	7.7	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Benzo[g,h,i]perylene	<35		35	11	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Benzo[k]fluoranthene	15 J		35	10	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Carbazole	<180		180	92	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Chrysene	16 J		35	9.7	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Dibenz(a,h)anthracene	<35		35	6.9	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Dibenzofuran	<180		180	42	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Fluoranthene	22 J		35	6.6	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Fluorene	<35		35	5.0	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Hexachlorocyclopentadiene	<720		720	200	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Hexachloroethane	<180		180	54	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-4(7-15)-082514D

Lab Sample ID: 500-82944-12

Date Collected: 08/25/14 11:20

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 91.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	16	J	35	9.2	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Isophorone	<180		180	40	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Naphthalene	<35		35	5.5	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Nitrobenzene	<35		35	8.9	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Phenanthrene	11	J	35	5.0	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Phenol	<180		180	79	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Pyrene	17	J	35	7.1	ug/Kg	☼	09/02/14 07:19	09/03/14 17:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	104		35 - 137				09/02/14 07:19	09/03/14 17:58	1
2-Fluorobiphenyl	63		25 - 119				09/02/14 07:19	09/03/14 17:58	1
2-Fluorophenol	49		25 - 110				09/02/14 07:19	09/03/14 17:58	1
Nitrobenzene-d5	46		25 - 115				09/02/14 07:19	09/03/14 17:58	1
Phenol-d5	49		31 - 110				09/02/14 07:19	09/03/14 17:58	1
Terphenyl-d14	103		36 - 134				09/02/14 07:19	09/03/14 17:58	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:59	1
Barium	0.50		0.50	0.050	mg/L		09/03/14 08:15	09/04/14 13:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:15	09/04/14 13:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:15	09/04/14 13:59	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:59	1
Cobalt	0.013	J	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:59	1
Copper	0.072		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:59	1
Iron	<0.20		0.20	0.20	mg/L		09/03/14 08:15	09/04/14 13:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/14 08:15	09/04/14 13:59	1
Manganese	3.7		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:59	1
Nickel	0.022	J	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:59	1
Selenium	0.020	J B	0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:59	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:59	1
Zinc	0.24		0.10	0.020	mg/L		09/03/14 08:15	09/04/14 13:59	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 03:30	1
Barium	0.29	J	0.50	0.050	mg/L		09/02/14 15:40	09/05/14 03:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/05/14 03:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/05/14 03:30	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:30	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:30	1
Copper	0.048	B	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:30	1
Iron	2.5		0.20	0.20	mg/L		09/02/14 15:40	09/05/14 03:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/02/14 15:40	09/05/14 03:30	1
Manganese	0.053		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:30	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:30	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 03:30	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: 55-4(7-15)-082514D

Lab Sample ID: 500-82944-12

Date Collected: 08/25/14 11:20

Matrix: Solid

Date Received: 08/26/14 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 03:30	1
Zinc	0.26		0.10	0.020	mg/L		09/02/14 15:40	09/05/14 03:30	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.40	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Arsenic	3.6		0.50	0.10	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Barium	19		0.50	0.054	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Beryllium	0.22		0.20	0.040	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Cadmium	0.23		0.10	0.013	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Calcium	140000	B	100	27	mg/Kg	☼	09/03/14 10:00	09/06/14 00:36	10
Chromium	11	B	0.50	0.058	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Cobalt	2.7		0.25	0.050	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Copper	9.8	B	0.50	0.10	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Iron	7300		10	4.1	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Lead	5.7		0.25	0.075	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Magnesium	81000	B	50	10	mg/Kg	☼	09/03/14 10:00	09/06/14 00:36	10
Manganese	270		0.50	0.10	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Nickel	7.2		0.50	0.10	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Potassium	1200		25	1.5	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Selenium	<0.50		0.50	0.18	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Silver	<0.25		0.25	0.018	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Sodium	580	B	50	6.7	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Thallium	0.36	J	0.50	0.21	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Vanadium	11		0.25	0.037	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1
Zinc	19	B	1.0	0.20	mg/Kg	☼	09/03/14 10:00	09/04/14 22:58	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 11:47	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 10:09	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	13	J	17	6.7	ug/Kg	☼	09/03/14 14:30	09/04/14 11:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.41		0.200	0.200	SU			08/28/14 23:37	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
E	Result exceeded calibration range.
F2	MS/MSD RPD exceeds control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



Report To: _____ (optional)
 Contact: Si Babusukhwa
 Company: Weston
 Address: 300 Plaza Circle, Ste 202
 Address: Mundelein, IL 60060
 Phone: 224-864-7250
 Fax: _____
 E-Mail: _____

Bill To: _____ (optional)
 Contact: _____
 Company: _____
 Address: _____
 Address: Same
 Phone: _____
 Fax: _____
 PO#/Reference#: _____

Chain of Custody Record

Lab Job #: 500-82944

Chain of Custody Number: _____

Page 1 of 3

Temperature °C of Cooler: (3.9)(4.2)

Client		Client Project #		Preservative		Parameter		Sampling		# of Containers	Matrix	NOCs	SNOCs	Total metals	TCLP/SPLP metals	pH	Comments
Lab ID	MS/MSD	Sample ID	Date	Time	Matrix	Matrix	Date	Time									
<u>Weston</u>																	
Project Name		Lab Project #		Preservative		Parameter		Sampling		# of Containers	Matrix	NOCs	SNOCs	Total metals	TCLP/SPLP metals	pH	Comments
<u>IDOT-085</u>																	
Project Location/State		Lab Project #		Preservative		Parameter		Sampling		# of Containers	Matrix	NOCs	SNOCs	Total metals	TCLP/SPLP metals	pH	Comments
<u>Channahon / IL</u>																	
Sampler		Lab PM		Preservative		Parameter		Sampling		# of Containers	Matrix	NOCs	SNOCs	Total metals	TCLP/SPLP metals	pH	Comments
<u>T. Walls</u>		<u>D. Wright</u>															
1		CB-1(0-7)-082514	8-25-14	0855	2	S	X	X	X	X	X						
2		CB-1(0-7)-082514D		0855													
3		CB-1(7-15)-082514		0900													
4		CB-2(0-4)-082514		0915													
5		55-19(0-7)-082514		1015													
6		55-19(7-15)-082514		1020													
7		55-6(0-4)-082514		1035													
8		55-7(0-4)-082514		1050													
9		55-5(0-4)-082514		1100													
10		55-4(0-7)-082514	8-25-14	1115	2	S	X	X	X	X	X						

- Preservative Key
1. HCL, Cool to 4°
 2. H2SO4, Cool to 4°
 3. HNO3, Cool to 4°
 4. NaOH, Cool to 4°
 5. NaOH/Zn, Cool to 4°
 6. NaHSO4
 7. Cool to 4°
 8. None
 9. Other

Turnaround Time Required (Business Days)

___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days ___ standard Other

Requested Due Date _____

Sample Disposal

Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>Timothy A. Walsh</u>	Company <u>Weston</u>	Date <u>8-25-14</u>	Time <u>1600</u>	Received By <u>P. Neal</u>	Company <u>TA</u>	Date <u>8/25/14</u>	Time <u>1600</u>
Relinquished By <u>P. Neal</u>	Company <u>TA</u>	Date <u>8/25/14</u>	Time <u>1645</u>	Received By <u>Jst</u>	Company <u>TA</u>	Date <u>8/26/14</u>	Time <u>0630</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA

Shipped: _____

Hand Delivered: _____

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional) _____
 Contact: S. Balasubramanian
 Company: Weston
 Address: 300 Plaza Circle, Ste 202
Mundelein, IL 60060
 Phone: 824-864-7250
 Fax: _____
 E-Mail: _____

Bill To (optional) _____
 Contact: _____
 Company: _____
 Address: _____
 Phone: Same
 Fax: _____
 PO#/Reference# _____

Chain of Custody Record

Lab Job #: 500-82944
 Chain of Custody Number: _____
 Page 2 of 3
 Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		JOCs		SVOCS		Total Metals		TCLP/SPLP Metals		PH		Preservative Key	
<u>Weston</u>																		1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		Sampling		# of Containers	Matrix											Comments	
<u>IDOT-085</u>				Date	Time														
Project Location/State		Lab PM																	
<u>Channahon, IL</u>		<u>D. Wright</u>																	
Sampler																			
<u>T. Walls</u>																			
Lab ID	MS/MSD	Sample ID		Date	Time	# of Containers	Matrix												
11		55-4 (7-15)-082514		8-25-14	1120	2	S	X	X	X	X	X	X	X	X	X	X		
12		55-4 (7-15)-082514D			1120														
13		55-12 (0-8)-082514			1145														
14		55-12 (8-16)-082514			1150														
15		55-12 (16-23)-082514			1205														
16		55-13 (0-7)-082514			1240														
17		55-13 (7-15)-082514			1245														
18		55-14 (0-4)-082514			1405														
19		55-15 (0-4)-082514			1415														
20		55-16 (0-4)-082514		8-25-14	1425	2	S	X	X	X	X	X	X	X	X	X	X		

Turnaround Time Required (Business Days)
 ___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other _____

Requested Due Date _____

Sample Disposal
 Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>T. Walls</u>	Company <u>Weston</u>	Date <u>8-25-14</u>	Time <u>1600</u>	Received By <u>P. Neal</u>	Company <u>TA</u>	Date <u>8/25/14</u>	Time <u>1600</u>	Lab Courier <u>TA</u>
Relinquished By <u>P. Neal</u>	Company <u>TA</u>	Date <u>8/25/14</u>	Time <u>1645</u>	Received By <u>JT</u>	Company <u>TA</u>	Date <u>8/26/14</u>	Time <u>0630</u>	Shipped _____
Relinquished By _____	Company _____	Date _____	Time _____	Received By _____	Company _____	Date _____	Time _____	Hand Delivered _____

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments: _____

Lab Comments: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Chicago

2417 Bond Street

University Park, IL 60484

Tel: (708)534-5200

TestAmerica Job ID: 500-82945-1

Client Project/Site: IDOT - Channahon - WO 085

For:

Weston Solutions, Inc.

300 Plaza Circle, Suite 202

Mundelein, Illinois 60060

Attn: Mr. S. Babusukumar



Authorized for release by:

9/10/2014 12:11:27 PM

Richard Wright, Senior Project Manager

(708)534-5200

richard.wright@testamericainc.com

LINKS

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

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

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

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82945-1

Client Sample ID: 55-20(0-7)-082514

Lab Sample ID: 500-82945-4

Date Collected: 08/25/14 15:05

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 88.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	57		5.7	2.5	ug/Kg	☼		08/26/14 21:32	1
Benzene	<5.7		5.7	0.78	ug/Kg	☼		08/26/14 21:32	1
Bromodichloromethane	<5.7		5.7	0.98	ug/Kg	☼		08/26/14 21:32	1
Bromoform	<5.7 *		5.7	1.3	ug/Kg	☼		08/26/14 21:32	1
Bromomethane	<5.7		5.7	1.7	ug/Kg	☼		08/26/14 21:32	1
Carbon disulfide	<5.7		5.7	0.85	ug/Kg	☼		08/26/14 21:32	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		08/26/14 21:32	1
Chlorobenzene	<5.7		5.7	0.58	ug/Kg	☼		08/26/14 21:32	1
Chloroethane	<5.7 *		5.7	1.5	ug/Kg	☼		08/26/14 21:32	1
Chloroform	<5.7		5.7	0.65	ug/Kg	☼		08/26/14 21:32	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		08/26/14 21:32	1
cis-1,2-Dichloroethene	<5.7		5.7	0.80	ug/Kg	☼		08/26/14 21:32	1
cis-1,3-Dichloropropene	<5.7		5.7	0.74	ug/Kg	☼		08/26/14 21:32	1
Dibromochloromethane	<5.7		5.7	0.99	ug/Kg	☼		08/26/14 21:32	1
1,1-Dichloroethane	<5.7		5.7	0.90	ug/Kg	☼		08/26/14 21:32	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		08/26/14 21:32	1
1,1-Dichloroethene	<5.7		5.7	0.92	ug/Kg	☼		08/26/14 21:32	1
1,2-Dichloropropane	<5.7		5.7	0.86	ug/Kg	☼		08/26/14 21:32	1
1,3-Dichloropropene, Total	<5.7		5.7	0.74	ug/Kg	☼		08/26/14 21:32	1
Ethylbenzene	<5.7		5.7	1.1	ug/Kg	☼		08/26/14 21:32	1
2-Hexanone	<5.7		5.7	1.6	ug/Kg	☼		08/26/14 21:32	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg	☼		08/26/14 21:32	1
Methyl Ethyl Ketone	<5.7		5.7	2.1	ug/Kg	☼		08/26/14 21:32	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		08/26/14 21:32	1
Methyl tert-butyl ether	<5.7		5.7	0.94	ug/Kg	☼		08/26/14 21:32	1
Styrene	<5.7		5.7	0.74	ug/Kg	☼		08/26/14 21:32	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.1	ug/Kg	☼		08/26/14 21:32	1
Tetrachloroethene	<5.7		5.7	0.87	ug/Kg	☼		08/26/14 21:32	1
Toluene	<5.7		5.7	0.79	ug/Kg	☼		08/26/14 21:32	1
trans-1,2-Dichloroethene	<5.7		5.7	0.78	ug/Kg	☼		08/26/14 21:32	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		08/26/14 21:32	1
1,1,1-Trichloroethane	<5.7		5.7	0.85	ug/Kg	☼		08/26/14 21:32	1
1,1,2-Trichloroethane	<5.7		5.7	0.77	ug/Kg	☼		08/26/14 21:32	1
Trichloroethene	<5.7		5.7	0.94	ug/Kg	☼		08/26/14 21:32	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		08/26/14 21:32	1
Xylenes, Total	<11		11	0.51	ug/Kg	☼		08/26/14 21:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 122		08/26/14 21:32	1
Dibromofluoromethane	108		75 - 120		08/26/14 21:32	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134		08/26/14 21:32	1
Toluene-d8 (Surr)	98		75 - 122		08/26/14 21:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	40	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
2,2'-oxybis[1-chloropropane]	<180		180	43	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82945-1

Client Sample ID: 55-20(0-7)-082514

Lab Sample ID: 500-82945-4

Date Collected: 08/25/14 15:05

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	84	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
2-Chloronaphthalene	<180		180	41	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
2-Chlorophenol	<180		180	63	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
2-Methylphenol	<180		180	59	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
2-Nitrophenol	<360		360	87	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
3-Nitroaniline	<360 *		360	110	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
4-Chloroaniline	<740 *		740	170	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Anthracene	12	J	36	6.1	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Benzo[a]anthracene	73		36	4.9	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Benzo[a]pyrene	64		36	7.1	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Benzo[b]fluoranthene	95		36	7.9	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Benzo[g,h,i]perylene	60		36	12	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Benzo[k]fluoranthene	36		36	11	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Carbazole	<180 *		180	95	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Chrysene	80		36	10	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Dibenz(a,h)anthracene	13	J	36	7.1	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Dibenzofuran	<180		180	43	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Fluoranthene	100		36	6.8	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Fluorene	<36		36	5.2	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Hexachlorobutadiene	<180		180	58	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Hexachlorocyclopentadiene	<740 *		740	210	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Hexachloroethane	<180		180	56	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82945-1

Client Sample ID: 55-20(0-7)-082514

Lab Sample ID: 500-82945-4

Date Collected: 08/25/14 15:05

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	59		36	9.5	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Isophorone	<180		180	41	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Naphthalene	<36		36	5.6	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Nitrobenzene	<36		36	9.2	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
N-Nitrosodi-n-propylamine	<180		180	45	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Phenanthrene	56		36	5.1	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Phenol	<180		180	81	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Pyrene	160		36	7.3	ug/Kg	☼	09/02/14 17:11	09/05/14 18:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	122		35 - 137				09/02/14 17:11	09/05/14 18:45	1
2-Fluorobiphenyl	67		25 - 119				09/02/14 17:11	09/05/14 18:45	1
2-Fluorophenol	46		25 - 110				09/02/14 17:11	09/05/14 18:45	1
Nitrobenzene-d5	43		25 - 115				09/02/14 17:11	09/05/14 18:45	1
Phenol-d5	42		31 - 110				09/02/14 17:11	09/05/14 18:45	1
Terphenyl-d14	100		36 - 134				09/02/14 17:11	09/05/14 18:45	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.011	J	0.050	0.010	mg/L		09/04/14 08:30	09/04/14 23:01	1
Barium	0.59		0.50	0.050	mg/L		09/04/14 08:30	09/04/14 23:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/04/14 23:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/04/14 23:01	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:01	1
Cobalt	0.021	J	0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:01	1
Copper	0.024	J	0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:01	1
Iron	<0.20		0.20	0.20	mg/L		09/04/14 08:30	09/04/14 23:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:30	09/04/14 23:01	1
Manganese	4.9		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:01	1
Nickel	0.017	J	0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:01	1
Selenium	0.017	J B	0.050	0.010	mg/L		09/04/14 08:30	09/04/14 23:01	1
Silver	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:01	1
Zinc	0.24		0.10	0.020	mg/L		09/04/14 08:30	09/04/14 23:01	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		09/04/14 08:55	09/04/14 18:27	1
Barium	0.43	J	0.50	0.050	mg/L		09/04/14 08:55	09/04/14 18:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:55	09/04/14 18:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:55	09/04/14 18:27	1
Chromium	0.053		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:27	1
Cobalt	0.011	J	0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:27	1
Copper	0.086		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:27	1
Iron	44		0.20	0.20	mg/L		09/04/14 08:55	09/04/14 18:27	1
Lead	0.094		0.0075	0.0075	mg/L		09/04/14 08:55	09/04/14 18:27	1
Manganese	0.57		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:27	1
Nickel	0.042		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:27	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:55	09/04/14 18:27	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82945-1

Client Sample ID: 55-20(0-7)-082514

Lab Sample ID: 500-82945-4

Date Collected: 08/25/14 15:05

Matrix: Solid

Date Received: 08/26/14 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:27	1
Zinc	0.36	B	0.10	0.020	mg/L		09/04/14 08:55	09/04/14 18:27	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.44	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Arsenic	4.4		0.55	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Barium	40		0.55	0.059	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Beryllium	0.44		0.22	0.044	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Cadmium	0.26		0.11	0.014	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Calcium	82000	B	110	30	mg/Kg	☼	09/03/14 10:10	09/05/14 05:29	10
Chromium	10	B	0.55	0.064	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Cobalt	7.0		0.28	0.055	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Copper	12		0.55	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Iron	12000		11	4.5	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Lead	60		0.28	0.082	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Magnesium	37000		5.5	1.1	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Manganese	290		0.55	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Nickel	15		0.55	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Potassium	1300		28	1.7	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Selenium	0.22	J	0.55	0.20	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Silver	<0.28		0.28	0.020	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Sodium	750	B	55	7.4	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Thallium	<0.55		0.55	0.23	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Vanadium	17		0.28	0.041	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1
Zinc	55	B	1.1	0.22	mg/Kg	☼	09/03/14 10:10	09/04/14 03:55	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 09:22	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 10:42	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	28		18	7.1	ug/Kg	☼	09/03/14 14:30	09/04/14 10:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.25		0.200	0.200	SU			08/29/14 19:33	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82945-1

Client Sample ID: 55-20(7-15)-082514

Lab Sample ID: 500-82945-5

Date Collected: 08/25/14 15:10

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 86.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	*		08/26/14 21:55	1
Benzene	<5.8		5.8	0.79	ug/Kg	*		08/26/14 21:55	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	*		08/26/14 21:55	1
Bromoform	<5.8	*	5.8	1.3	ug/Kg	*		08/26/14 21:55	1
Bromomethane	<5.8		5.8	1.7	ug/Kg	*		08/26/14 21:55	1
Carbon disulfide	<5.8		5.8	0.86	ug/Kg	*		08/26/14 21:55	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	*		08/26/14 21:55	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	*		08/26/14 21:55	1
Chloroethane	<5.8	*	5.8	1.6	ug/Kg	*		08/26/14 21:55	1
Chloroform	<5.8		5.8	0.67	ug/Kg	*		08/26/14 21:55	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	*		08/26/14 21:55	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	*		08/26/14 21:55	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	*		08/26/14 21:55	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	*		08/26/14 21:55	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	*		08/26/14 21:55	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	*		08/26/14 21:55	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	*		08/26/14 21:55	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	*		08/26/14 21:55	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	*		08/26/14 21:55	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	*		08/26/14 21:55	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	*		08/26/14 21:55	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	*		08/26/14 21:55	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	*		08/26/14 21:55	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	*		08/26/14 21:55	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	*		08/26/14 21:55	1
Styrene	<5.8		5.8	0.76	ug/Kg	*		08/26/14 21:55	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	*		08/26/14 21:55	1
Tetrachloroethene	<5.8		5.8	0.88	ug/Kg	*		08/26/14 21:55	1
Toluene	<5.8		5.8	0.81	ug/Kg	*		08/26/14 21:55	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	*		08/26/14 21:55	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	*		08/26/14 21:55	1
1,1,1-Trichloroethane	<5.8		5.8	0.86	ug/Kg	*		08/26/14 21:55	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	*		08/26/14 21:55	1
Trichloroethene	<5.8		5.8	0.95	ug/Kg	*		08/26/14 21:55	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	*		08/26/14 21:55	1
Xylenes, Total	<12		12	0.52	ug/Kg	*		08/26/14 21:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 122		08/26/14 21:55	1
Dibromofluoromethane	104		75 - 120		08/26/14 21:55	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134		08/26/14 21:55	1
Toluene-d8 (Surr)	97		75 - 122		08/26/14 21:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	*	09/02/14 17:11	09/03/14 17:18	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	*	09/02/14 17:11	09/03/14 17:18	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	*	09/02/14 17:11	09/03/14 17:18	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	*	09/02/14 17:11	09/03/14 17:18	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	*	09/02/14 17:11	09/03/14 17:18	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82945-1

Client Sample ID: 55-20(7-15)-082514

Lab Sample ID: 500-82945-5

Date Collected: 08/25/14 15:10

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
2-Methylnaphthalene	11	J	36	6.7	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
2-Methylphenol	<180		180	58	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
3-Nitroaniline	<360	*	360	110	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
4-Chloroaniline	<730	*	730	170	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
4-Nitrophenol	<730		730	350	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Acenaphthene	<36		36	6.5	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Anthracene	25	J	36	6.1	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Benzo[a]anthracene	110		36	4.9	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Benzo[a]pyrene	120		36	7.0	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Benzo[b]fluoranthene	170		36	7.8	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Benzo[g,h,i]perylene	<36		36	12	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Benzo[k]fluoranthene	91		36	11	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Carbazole	<180	*	180	94	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Chrysene	130		36	9.9	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Dibenzofuran	<180		180	43	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Fluoranthene	200		36	6.7	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Fluorene	12	J	36	5.1	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Hexachlorocyclopentadiene	<730	*	730	210	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Hexachloroethane	<180		180	55	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82945-1

Client Sample ID: 55-20(7-15)-082514

Lab Sample ID: 500-82945-5

Date Collected: 08/25/14 15:10

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	59		36	9.4	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Isophorone	<180		180	41	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Naphthalene	<36		36	5.6	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Phenanthrene	110		36	5.1	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Phenol	<180		180	81	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Pyrene	230		36	7.2	ug/Kg	☼	09/02/14 17:11	09/03/14 17:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	65		35 - 137				09/02/14 17:11	09/03/14 17:18	1
2-Fluorobiphenyl	58		25 - 119				09/02/14 17:11	09/03/14 17:18	1
2-Fluorophenol	53		25 - 110				09/02/14 17:11	09/03/14 17:18	1
Nitrobenzene-d5	44		25 - 115				09/02/14 17:11	09/03/14 17:18	1
Phenol-d5	53		31 - 110				09/02/14 17:11	09/03/14 17:18	1
Terphenyl-d14	80		36 - 134				09/02/14 17:11	09/03/14 17:18	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/04/14 23:06	1
Barium	0.58		0.50	0.050	mg/L		09/04/14 08:30	09/04/14 23:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/04/14 23:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/04/14 23:06	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:06	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:06	1
Copper	0.015	J	0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:06	1
Iron	<0.20		0.20	0.20	mg/L		09/04/14 08:30	09/04/14 23:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:30	09/04/14 23:06	1
Manganese	1.8		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:06	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:06	1
Selenium	0.013	J B	0.050	0.010	mg/L		09/04/14 08:30	09/04/14 23:06	1
Silver	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/04/14 23:06	1
Zinc	0.25		0.10	0.020	mg/L		09/04/14 08:30	09/04/14 23:06	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/04/14 08:55	09/04/14 18:31	1
Barium	0.41	J	0.50	0.050	mg/L		09/04/14 08:55	09/04/14 18:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:55	09/04/14 18:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:55	09/04/14 18:31	1
Chromium	0.027		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:31	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:31	1
Copper	0.057		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:31	1
Iron	19		0.20	0.20	mg/L		09/04/14 08:55	09/04/14 18:31	1
Lead	0.049		0.0075	0.0075	mg/L		09/04/14 08:55	09/04/14 18:31	1
Manganese	0.69		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:31	1
Nickel	0.023	J	0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:31	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:55	09/04/14 18:31	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82945-1

Client Sample ID: 55-20(7-15)-082514

Lab Sample ID: 500-82945-5

Date Collected: 08/25/14 15:10

Matrix: Solid

Date Received: 08/26/14 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 18:31	1
Zinc	0.27	B	0.10	0.020	mg/L		09/04/14 08:55	09/04/14 18:31	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.43	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Arsenic	4.5		0.54	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Barium	44		0.54	0.057	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Beryllium	0.43		0.21	0.043	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Cadmium	0.13		0.11	0.014	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Calcium	84000	B	110	29	mg/Kg	☼	09/03/14 10:10	09/05/14 05:33	10
Chromium	11	B	0.54	0.062	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Cobalt	6.5		0.27	0.054	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Copper	12		0.54	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Iron	11000		11	4.4	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Lead	22		0.27	0.080	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Magnesium	37000		5.4	1.1	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Manganese	370		0.54	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Nickel	15		0.54	0.11	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Potassium	1100		27	1.6	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Selenium	0.29	J	0.54	0.19	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Silver	<0.27		0.27	0.019	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Sodium	410	B	54	7.2	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Thallium	<0.54		0.54	0.23	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Vanadium	18		0.27	0.040	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1
Zinc	43	B	1.1	0.22	mg/Kg	☼	09/03/14 10:10	09/04/14 04:00	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 09:24	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 10:44	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	32		19	7.3	ug/Kg	☼	09/03/14 14:30	09/04/14 10:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.04		0.200	0.200	SU			08/29/14 19:33	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82945-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
*	RPD of the LCS and LCSD exceeds the control limits
F1	MS and/or MSD Recovery exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

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: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82945-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



Report To (optional)
Contact: S. Balasubramanian
Company: Weston
Address: 300 Plaza Circle, Ste 202
Address: Waukegan, IL 60060
Phone: 224-864-7250
Fax:
E-Mail:

Bill To (optional)
Contact:
Company:
Address:
Address: Same
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-82945
Chain of Custody Number:
Page 3 of 3
Temperature °C of Cooler: 3.9

Client		Client Project #		Preservative		Parameter		Matrix		Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		Sampling		Total metals		TCLP/SPUP metals			Comments
Project Location/State		Lab PM		Date	Time	# of Containers	Matrix	pH			
<u>Weston</u>		<u>Weston</u>									
<u>IND-085</u>											
<u>Channahon/IL</u>		<u>D. Wright</u>									
<u>T. Walls</u>											
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPUP metals	pH
<u>1</u>		<u>55-17(0-7)-082514</u>	<u>8-25-14</u>	<u>1435</u>	<u>2</u>	<u>5</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>2</u>		<u>55-17(7-15)-082514</u>		<u>1440</u>							
<u>3</u>		<u>55-17(7-15)-082514D</u>		<u>1440</u>							
<u>4</u>		<u>55-20(0-7)-082514</u>		<u>1505</u>							
<u>5</u>		<u>55-20(7-15)-082514</u>		<u>1510</u>							
<u>6</u>		<u>MM-1(0-4)-082514</u>	<u>8-25-14</u>	<u>1520</u>	<u>2</u>	<u>5</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>7-Walls 8-28-14</u>											

Turnaround Time Required (Business Days)

1 Day 2 Days 5 Days 7 Days 10 Days 15 Days standard Other

Requested Due Date

Sample Disposal

Return to Client

Disposal by Lab

Archive for _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>Timothy A. Walls</u> Company <u>Weston</u>	Date <u>8-25-14</u>	Time <u>1600</u>	Received By <u>P. Neal</u> Company <u>TA</u>	Date <u>8/25/14</u>	Time <u>1600</u>
Relinquished By <u>P. Neal</u> Company <u>TA</u>	Date <u>8/25/14</u>	Time <u>1645</u>	Received By <u>JLX</u> Company <u>TA</u>	Date <u>8/26/14</u>	Time <u>0630</u>
Relinquished By	Date	Time	Received By	Date	Time

Lab Courier TA

Shipped

Hand Delivered

Matrix Key
WW - Wastewater SE - Sediment
W - Water SO - Soil
S - Soil L - Leachate
SL - Sludge WI - Wipe
MS - Miscellaneous DW - Drinking Water
OL - Oil O - Other
A - Air

Client Comments

Lab Comments:

November 10, 2015

Patricia Feeley, P.G.
Environmental Design International Inc.
33 West Monroe Street
Suite 1825
Chicago, IL 606035326

RE: Project: 0295.020 FAI 55
Pace Project No.: 40122822

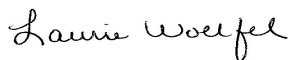
Dear Patricia Feeley, P.G.:

Enclosed are the analytical results for sample(s) received by the laboratory on October 14, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Revised Report REV_1. Added 6010 SPLP Mn to sample 40122822001.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Laurie Woelfel
laurie.woelfel@pacelabs.com
Project Manager

Enclosures

cc: Andrew Dorn, Environmental Design
Colin Pannier, Environmental Design



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Alabama Certification #40770

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

Colorado Certification #Pace

Connecticut Certification #: PH-0256

EPA Region 8 Certification #: 8TMS-L

Florida/NELAP Certification #: E87605

Guam Certification #:14-008r

Georgia Certification #: 959

Georgia EPD #: Pace

Idaho Certification #: MN00064

Hawaii Certification #MN00064

Illinois Certification #: 200011

Indiana Certification#C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky Dept of Envi. Protection - DW #90062

Kentucky Dept of Envi. Protection - WW #:90062

Louisiana DEQ Certification #: 3086

Louisiana DHH #: LA140001

Maine Certification #: 2013011

Maryland Certification #: 322

Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New York Certification #: 11647

North Carolina Certification #: 530

North Carolina State Public Health #: 27700

North Dakota Certification #: R-036

Ohio EPA #: 4150

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Oregon Certification #: MN300001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Saipan (CNMI) #:MP0003

South Carolina #:74003001

Texas Certification #: T104704192

Tennessee Certification #: 02818

Utah Certification #: MN000642013-4

Virginia DGS Certification #: 251

Washington Certification #: C486

West Virginia Certification #: 382

West Virginia DHHR #:9952C

Wisconsin Certification #: 999407970

New Orleans Certification IDs

California Env. Lab Accreditation Program Branch:

11277CA

Florida Department of Health (NELAC): E87595

Illinois Environmental Protection Agency: 0025721

Kansas Department of Health and Environment (NELAC):

E-10266

Louisiana Dept. of Environmental Quality (NELAC/LELAP):

02006

Pennsylvania Dept. of Env Protection (NELAC): 68-04202

Texas Commission on Env. Quality (NELAC):

T104704405-09-TX

U.S. Dept. of Agriculture Foreign Soil Import: P330-10-

00119

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP ID: 460263

Virginia VELAP Certification ID: 460263

Wisconsin Certification #: 405132750

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 200074

Indiana Certification #: C-49-06

Kansas Certification #E-10177

Kentucky UST Certification #: 0042

Kentucky WW Certification #:98019

Louisiana Certification #: 04076

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2014-148

Texas Certification #: T104704355-15-9

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-10-00128

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 15-016-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-1 (0-2)-101315 Lab ID: 40122822001 Collected: 10/13/15 08:50 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Red. Interference									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	0.65J	mg/kg	0.88	0.27	1	10/19/15 11:30	10/20/15 11:56	7440-36-0	
Arsenic	2.2	mg/kg	0.88	0.35	1	10/19/15 11:30	10/20/15 10:11	7440-38-2	
Barium	9.5	mg/kg	0.88	0.050	1	10/19/15 11:30	10/20/15 10:11	7440-39-3	
Beryllium	0.16	mg/kg	0.088	0.010	1	10/19/15 11:30	10/20/15 11:56	7440-41-7	
Cadmium	0.31J	mg/kg	0.44	0.021	1	10/19/15 11:30	10/20/15 10:11	7440-43-9	
Calcium	165000	mg/kg	87.7	9.6	10	10/19/15 11:30	10/20/15 15:12	7440-70-2	
Chromium	4.0	mg/kg	0.44	0.055	1	10/19/15 11:30	10/20/15 10:11	7440-47-3	
Cobalt	2.0	mg/kg	0.44	0.040	1	10/19/15 11:30	10/20/15 10:11	7440-48-4	
Copper	6.4	mg/kg	0.88	0.19	1	10/19/15 11:30	10/20/15 10:11	7440-50-8	
Iron	11800	mg/kg	4.4	0.39	1	10/19/15 11:30	10/20/15 11:56	7439-89-6	
Lead	4.9	mg/kg	0.88	0.18	1	10/19/15 11:30	10/20/15 10:11	7439-92-1	
Magnesium	74900	mg/kg	4.4	0.77	1	10/19/15 11:30	10/20/15 10:11	7439-95-4	
Manganese	240	mg/kg	0.44	0.059	1	10/19/15 11:30	10/20/15 10:11	7439-96-5	
Nickel	4.6	mg/kg	0.44	0.074	1	10/19/15 11:30	10/20/15 10:11	7440-02-0	
Potassium	1190	mg/kg	43.9	4.4	1	10/19/15 11:30	10/20/15 11:56	7440-09-7	
Selenium	<0.40	mg/kg	1.3	0.40	1	10/19/15 11:30	10/20/15 11:56	7782-49-2	
Silver	<0.091	mg/kg	0.61	0.091	1	10/19/15 11:30	10/20/15 10:11	7440-22-4	
Sodium	272	mg/kg	43.9	1.4	1	10/19/15 11:30	10/20/15 10:11	7440-23-5	
Thallium	<0.27	mg/kg	1.8	0.27	1	10/19/15 11:30	10/20/15 10:11	7440-28-0	
Vanadium	8.5	mg/kg	0.88	0.094	1	10/19/15 11:30	10/20/15 10:11	7440-62-2	
Zinc	25.3	mg/kg	8.8	0.50	1	10/19/15 11:30	10/20/15 10:11	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/22/15 00:00

Arsenic	0.0063J	mg/L	0.010	0.0045	1	10/23/15 15:50	10/26/15 13:52	7440-38-2	
Barium	0.030J	mg/L	0.10	0.00052	1	10/23/15 15:50	10/26/15 13:52	7440-39-3	B
Beryllium	0.00022J	mg/L	0.0010	0.00017	1	10/23/15 15:50	10/26/15 13:52	7440-41-7	
Cadmium	<0.00056	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 13:52	7440-43-9	
Chromium	0.0087	mg/L	0.0050	0.00096	1	10/29/15 14:00	10/30/15 11:45	7440-47-3	
Cobalt	0.0023J	mg/L	0.0050	0.00080	1	10/23/15 15:50	10/26/15 13:52	7440-48-4	B
Copper	0.0099J	mg/L	0.010	0.00083	1	10/29/15 14:00	10/30/15 11:45	7440-50-8	
Iron	6.8	mg/L	0.050	0.0090	1	10/23/15 15:50	10/26/15 13:52	7439-89-6	
Lead	0.0059	mg/L	0.0050	0.0019	1	10/29/15 14:00	10/30/15 11:45	7439-92-1	
Manganese	0.086	mg/L	0.0050	0.0024	1	10/23/15 15:50	10/26/15 13:52	7439-96-5	
Nickel	0.0045J	mg/L	0.0050	0.00056	1	10/29/15 14:00	10/30/15 11:45	7440-02-0	B
Selenium	<0.0058	mg/L	0.015	0.0058	1	10/23/15 15:50	10/26/15 13:52	7782-49-2	
Silver	<0.0011	mg/L	0.0070	0.0011	1	10/23/15 15:50	10/26/15 13:52	7440-22-4	
Zinc	0.015J	mg/L	0.050	0.0026	1	10/29/15 14:00	10/30/15 11:45	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/22/15 00:00

Arsenic	0.0084J	mg/L	0.050	0.0045	1	10/23/15 15:50	10/26/15 11:37	7440-38-2	B
Barium	0.24J	mg/L	0.25	0.00052	1	10/23/15 15:50	10/26/15 11:37	7440-39-3	
Beryllium	<0.00017	mg/L	0.0050	0.00017	1	10/23/15 15:50	10/26/15 11:37	7440-41-7	
Cadmium	0.00093J	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 11:37	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-1 (0-2)-101315 Lab ID: 4012282001 Collected: 10/13/15 08:50 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/22/15 00:00									
Chromium	0.0045J	mg/L	0.010	0.00096	1	10/23/15 15:50	10/26/15 11:37	7440-47-3	B
Cobalt	0.011	mg/L	0.010	0.00080	1	10/23/15 15:50	10/26/15 11:37	7440-48-4	
Copper	0.011J	mg/L	0.020	0.00083	1	10/23/15 15:50	10/26/15 11:37	7440-50-8	B
Iron	0.039J	mg/L	0.10	0.0090	1	10/23/15 15:50	10/26/15 11:37	7439-89-6	B
Lead	<0.0019	mg/L	0.050	0.0019	1	10/23/15 15:50	10/26/15 11:37	7439-92-1	
Manganese	1.8	mg/L	0.010	0.0024	1	10/23/15 15:50	10/26/15 11:37	7439-96-5	
Nickel	0.023	mg/L	0.010	0.00056	1	10/23/15 15:50	10/26/15 11:37	7440-02-0	B
Selenium	0.0068J	mg/L	0.050	0.0058	1	10/23/15 15:50	10/26/15 11:37	7782-49-2	
Silver	<0.0011	mg/L	0.010	0.0011	1	10/23/15 15:50	10/26/15 11:37	7440-22-4	
Zinc	0.037J	mg/L	0.25	0.0026	1	10/23/15 15:50	10/26/15 11:37	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/22/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/26/15 08:45	10/26/15 14:24	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/22/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/26/15 08:45	10/26/15 13:26	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.0032J	mg/kg	0.038	0.0020	1	10/19/15 10:00	10/19/15 15:07	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<312	ug/kg	1040	312	5	10/16/15 09:58	10/19/15 17:31	83-32-9	
Acenaphthylene	<313	ug/kg	1040	313	5	10/16/15 09:58	10/19/15 17:31	208-96-8	
Anthracene	<140	ug/kg	468	140	5	10/16/15 09:58	10/19/15 17:31	120-12-7	
Benzo(a)anthracene	<136	ug/kg	454	136	5	10/16/15 09:58	10/19/15 17:31	56-55-3	
Benzo(a)pyrene	<132	ug/kg	441	132	5	10/16/15 09:58	10/19/15 17:31	50-32-8	
Benzo(b)fluoranthene	<151	ug/kg	503	151	5	10/16/15 09:58	10/19/15 17:31	205-99-2	
Benzo(g,h,i)perylene	<230	ug/kg	766	230	5	10/16/15 09:58	10/19/15 17:31	191-24-2	
Benzo(k)fluoranthene	<210	ug/kg	701	210	5	10/16/15 09:58	10/19/15 17:31	207-08-9	
4-Bromophenylphenyl ether	<184	ug/kg	613	184	5	10/16/15 09:58	10/19/15 17:31	101-55-3	
Butylbenzylphthalate	<141	ug/kg	470	141	5	10/16/15 09:58	10/19/15 17:31	85-68-7	
Carbazole	<138	ug/kg	459	138	5	10/16/15 09:58	10/19/15 17:31	86-74-8	
4-Chloro-3-methylphenol	<273	ug/kg	911	273	5	10/16/15 09:58	10/19/15 17:31	59-50-7	
4-Chloroaniline	<144	ug/kg	481	144	5	10/16/15 09:58	10/19/15 17:31	106-47-8	
bis(2-Chloroethoxy)methane	<237	ug/kg	789	237	5	10/16/15 09:58	10/19/15 17:31	111-91-1	
bis(2-Chloroethyl) ether	<274	ug/kg	914	274	5	10/16/15 09:58	10/19/15 17:31	111-44-4	
2-Chloronaphthalene	<113	ug/kg	376	113	5	10/16/15 09:58	10/19/15 17:31	91-58-7	
2-Chlorophenol	<219	ug/kg	731	219	5	10/16/15 09:58	10/19/15 17:31	95-57-8	
4-Chlorophenylphenyl ether	<164	ug/kg	546	164	5	10/16/15 09:58	10/19/15 17:31	7005-72-3	
Chrysene	<131	ug/kg	438	131	5	10/16/15 09:58	10/19/15 17:31	218-01-9	
Dibenz(a,h)anthracene	<239	ug/kg	796	239	5	10/16/15 09:58	10/19/15 17:31	53-70-3	
Dibenzofuran	<106	ug/kg	355	106	5	10/16/15 09:58	10/19/15 17:31	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-1 (0-2)-101315 Lab ID: 40122822001 Collected: 10/13/15 08:50 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<276	ug/kg	921	276	5	10/16/15 09:58	10/19/15 17:31	95-50-1	
1,3-Dichlorobenzene	<122	ug/kg	406	122	5	10/16/15 09:58	10/19/15 17:31	541-73-1	
1,4-Dichlorobenzene	<122	ug/kg	408	122	5	10/16/15 09:58	10/19/15 17:31	106-46-7	
3,3'-Dichlorobenzidine	<238	ug/kg	795	238	5	10/16/15 09:58	10/19/15 17:31	91-94-1	
2,4-Dichlorophenol	<235	ug/kg	783	235	5	10/16/15 09:58	10/19/15 17:31	120-83-2	
Diethylphthalate	<146	ug/kg	486	146	5	10/16/15 09:58	10/19/15 17:31	84-66-2	
2,4-Dimethylphenol	<174	ug/kg	579	174	5	10/16/15 09:58	10/19/15 17:31	105-67-9	
Dimethylphthalate	<114	ug/kg	381	114	5	10/16/15 09:58	10/19/15 17:31	131-11-3	
Di-n-butylphthalate	<131	ug/kg	438	131	5	10/16/15 09:58	10/19/15 17:31	84-74-2	
4,6-Dinitro-2-methylphenol	<271	ug/kg	903	271	5	10/16/15 09:58	10/19/15 17:31	534-52-1	
2,4-Dinitrophenol	<268	ug/kg	892	268	5	10/16/15 09:58	10/19/15 17:31	51-28-5	
2,4-Dinitrotoluene	<126	ug/kg	419	126	5	10/16/15 09:58	10/19/15 17:31	121-14-2	
2,6-Dinitrotoluene	<167	ug/kg	556	167	5	10/16/15 09:58	10/19/15 17:31	606-20-2	
Di-n-octylphthalate	<198	ug/kg	659	198	5	10/16/15 09:58	10/19/15 17:31	117-84-0	
bis(2-Ethylhexyl)phthalate	<146	ug/kg	487	146	5	10/16/15 09:58	10/19/15 17:31	117-81-7	
Fluoranthene	<124	ug/kg	414	124	5	10/16/15 09:58	10/19/15 17:31	206-44-0	
Fluorene	<103	ug/kg	342	103	5	10/16/15 09:58	10/19/15 17:31	86-73-7	
Hexachloro-1,3-butadiene	<224	ug/kg	746	224	5	10/16/15 09:58	10/19/15 17:31	87-68-3	
Hexachlorobenzene	<148	ug/kg	493	148	5	10/16/15 09:58	10/19/15 17:31	118-74-1	
Hexachlorocyclopentadiene	<208	ug/kg	693	208	5	10/16/15 09:58	10/19/15 17:31	77-47-4	
Hexachloroethane	<141	ug/kg	469	141	5	10/16/15 09:58	10/19/15 17:31	67-72-1	
Indeno(1,2,3-cd)pyrene	<190	ug/kg	634	190	5	10/16/15 09:58	10/19/15 17:31	193-39-5	
Isophorone	<135	ug/kg	450	135	5	10/16/15 09:58	10/19/15 17:31	78-59-1	
2-Methylnaphthalene	<228	ug/kg	761	228	5	10/16/15 09:58	10/19/15 17:31	91-57-6	
2-Methylphenol(o-Cresol)	<160	ug/kg	532	160	5	10/16/15 09:58	10/19/15 17:31	95-48-7	
3&4-Methylphenol(m&p Cresol)	<161	ug/kg	537	161	5	10/16/15 09:58	10/19/15 17:31		
Naphthalene	<307	ug/kg	1020	307	5	10/16/15 09:58	10/19/15 17:31	91-20-3	
2-Nitroaniline	<250	ug/kg	835	250	5	10/16/15 09:58	10/19/15 17:31	88-74-4	
3-Nitroaniline	<149	ug/kg	498	149	5	10/16/15 09:58	10/19/15 17:31	99-09-2	
4-Nitroaniline	<365	ug/kg	1220	365	5	10/16/15 09:58	10/19/15 17:31	100-01-6	
Nitrobenzene	<178	ug/kg	594	178	5	10/16/15 09:58	10/19/15 17:31	98-95-3	
2-Nitrophenol	<277	ug/kg	924	277	5	10/16/15 09:58	10/19/15 17:31	88-75-5	
4-Nitrophenol	<221	ug/kg	738	221	5	10/16/15 09:58	10/19/15 17:31	100-02-7	
N-Nitroso-di-n-propylamine	<139	ug/kg	465	139	5	10/16/15 09:58	10/19/15 17:31	621-64-7	
N-Nitrosodiphenylamine	<1190	ug/kg	3970	1190	5	10/16/15 09:58	10/19/15 17:31	86-30-6	
2,2'-Oxybis(1-chloropropane)	<227	ug/kg	755	227	5	10/16/15 09:58	10/19/15 17:31	108-60-1	
Pentachlorophenol	<194	ug/kg	645	194	5	10/16/15 09:58	10/19/15 17:31	87-86-5	
Phenanthrene	<113	ug/kg	376	113	5	10/16/15 09:58	10/19/15 17:31	85-01-8	
Phenol	<209	ug/kg	695	209	5	10/16/15 09:58	10/19/15 17:31	108-95-2	D3
Pyrene	<195	ug/kg	649	195	5	10/16/15 09:58	10/19/15 17:31	129-00-0	
1,2,4-Trichlorobenzene	<99.3	ug/kg	331	99.3	5	10/16/15 09:58	10/19/15 17:31	120-82-1	
2,4,5-Trichlorophenol	<155	ug/kg	517	155	5	10/16/15 09:58	10/19/15 17:31	95-95-4	
2,4,6-Trichlorophenol	<134	ug/kg	447	134	5	10/16/15 09:58	10/19/15 17:31	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	57	%	45-130		5	10/16/15 09:58	10/19/15 17:31	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-1 (0-2)-101315 Lab ID: 40122822001 Collected: 10/13/15 08:50 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	73	%	51-130		5	10/16/15 09:58	10/19/15 17:31	321-60-8	
Terphenyl-d14 (S)	123	%	37-134		5	10/16/15 09:58	10/19/15 17:31	1718-51-0	
Phenol-d6 (S)	60	%	36-130		5	10/16/15 09:58	10/19/15 17:31	13127-88-3	
2-Fluorophenol (S)	53	%	37-130		5	10/16/15 09:58	10/19/15 17:31	367-12-4	
2,4,6-Tribromophenol (S)	79	%	30-130		5	10/16/15 09:58	10/19/15 17:31	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.2	ug/kg	13.5	4.2	1	10/15/15 12:00	10/15/15 18:08	67-64-1	2q
Benzene	<1.1	ug/kg	3.4	1.1	1	10/15/15 12:00	10/15/15 18:08	71-43-2	
Bromodichloromethane	<0.74	ug/kg	3.4	0.74	1	10/15/15 12:00	10/15/15 18:08	75-27-4	
Bromoform	<0.57	ug/kg	3.4	0.57	1	10/15/15 12:00	10/15/15 18:08	75-25-2	
Bromomethane	<1.0	ug/kg	6.7	1.0	1	10/15/15 12:00	10/15/15 18:08	74-83-9	
2-Butanone (MEK)	<1.9	ug/kg	13.5	1.9	1	10/15/15 12:00	10/15/15 18:08	78-93-3	
Carbon disulfide	<0.87	ug/kg	3.4	0.87	1	10/15/15 12:00	10/15/15 18:08	75-15-0	
Carbon tetrachloride	<1.1	ug/kg	3.4	1.1	1	10/15/15 12:00	10/15/15 18:08	56-23-5	
Chlorobenzene	<1.1	ug/kg	3.4	1.1	1	10/15/15 12:00	10/15/15 18:08	108-90-7	
Chloroethane	<1.4	ug/kg	3.4	1.4	1	10/15/15 12:00	10/15/15 18:08	75-00-3	
Chloroform	<0.64	ug/kg	3.4	0.64	1	10/15/15 12:00	10/15/15 18:08	67-66-3	
Chloromethane	<0.38	ug/kg	3.4	0.38	1	10/15/15 12:00	10/15/15 18:08	74-87-3	
Dibromochloromethane	<1.2	ug/kg	3.4	1.2	1	10/15/15 12:00	10/15/15 18:08	124-48-1	
1,1-Dichloroethane	<1.6	ug/kg	3.4	1.6	1	10/15/15 12:00	10/15/15 18:08	75-34-3	
1,2-Dichloroethane	<0.66	ug/kg	3.4	0.66	1	10/15/15 12:00	10/15/15 18:08	107-06-2	
1,1-Dichloroethene	<1.5	ug/kg	3.4	1.5	1	10/15/15 12:00	10/15/15 18:08	75-35-4	
cis-1,2-Dichloroethene	<0.89	ug/kg	3.4	0.89	1	10/15/15 12:00	10/15/15 18:08	156-59-2	
trans-1,2-Dichloroethene	<0.83	ug/kg	3.4	0.83	1	10/15/15 12:00	10/15/15 18:08	156-60-5	
1,2-Dichloropropane	<0.85	ug/kg	3.4	0.85	1	10/15/15 12:00	10/15/15 18:08	78-87-5	
cis-1,3-Dichloropropene	<0.45	ug/kg	3.4	0.45	1	10/15/15 12:00	10/15/15 18:08	10061-01-5	
trans-1,3-Dichloropropene	<0.62	ug/kg	3.4	0.62	1	10/15/15 12:00	10/15/15 18:08	10061-02-6	
Ethylbenzene	<0.97	ug/kg	3.4	0.97	1	10/15/15 12:00	10/15/15 18:08	100-41-4	
2-Hexanone	<1.0	ug/kg	3.4	1.0	1	10/15/15 12:00	10/15/15 18:08	591-78-6	
Methylene Chloride	<1.2	ug/kg	3.4	1.2	1	10/15/15 12:00	10/15/15 18:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.83	ug/kg	3.4	0.83	1	10/15/15 12:00	10/15/15 18:08	108-10-1	
Methyl-tert-butyl ether	<0.68	ug/kg	3.4	0.68	1	10/15/15 12:00	10/15/15 18:08	1634-04-4	
Styrene	<0.51	ug/kg	3.4	0.51	1	10/15/15 12:00	10/15/15 18:08	100-42-5	
1,1,2,2-Tetrachloroethane	<1.4	ug/kg	3.4	1.4	1	10/15/15 12:00	10/15/15 18:08	79-34-5	
Tetrachloroethene	<1.1	ug/kg	3.4	1.1	1	10/15/15 12:00	10/15/15 18:08	127-18-4	
Toluene	<1.0	ug/kg	3.4	1.0	1	10/15/15 12:00	10/15/15 18:08	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/kg	3.4	1.0	1	10/15/15 12:00	10/15/15 18:08	71-55-6	
1,1,2-Trichloroethane	<1.3	ug/kg	3.4	1.3	1	10/15/15 12:00	10/15/15 18:08	79-00-5	
Trichloroethene	<1.3	ug/kg	3.4	1.3	1	10/15/15 12:00	10/15/15 18:08	79-01-6	
Vinyl chloride	<0.37	ug/kg	3.4	0.37	1	10/15/15 12:00	10/15/15 18:08	75-01-4	
Xylene (Total)	<3.0	ug/kg	10.1	3.0	1	10/15/15 12:00	10/15/15 18:08	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	108	%	70-130		1	10/15/15 12:00	10/15/15 18:08	1868-53-7	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-1 (0-2)-101315 **Lab ID: 4012282001** Collected: 10/13/15 08:50 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	110	%	67-138		1	10/15/15 12:00	10/15/15 18:08	2037-26-5	
4-Bromofluorobenzene (S)	81	%	68-130		1	10/15/15 12:00	10/15/15 18:08	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	5.0	%	0.10	0.10	1		10/14/15 18:05		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	8.74	Std. Units	0.100	0.0100	1		10/15/15 15:30		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-2 (0-2)-101315 Lab ID: 4012282002 Collected: 10/13/15 09:05 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Red. Interference Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.48	mg/kg	1.5	0.48	2	10/19/15 11:30	10/20/15 13:26	7440-36-0	D3
Arsenic	6.8	mg/kg	0.77	0.31	1	10/19/15 11:30	10/20/15 10:15	7440-38-2	
Barium	37.6	mg/kg	0.77	0.044	1	10/19/15 11:30	10/20/15 10:15	7440-39-3	
Beryllium	0.21	mg/kg	0.077	0.0089	1	10/19/15 11:30	10/20/15 11:59	7440-41-7	
Cadmium	0.33J	mg/kg	0.39	0.018	1	10/19/15 11:30	10/20/15 10:15	7440-43-9	
Calcium	108000	mg/kg	15.4	1.7	2	10/19/15 11:30	10/20/15 13:26	7440-70-2	
Chromium	10.1	mg/kg	0.39	0.048	1	10/19/15 11:30	10/20/15 10:15	7440-47-3	
Cobalt	5.0	mg/kg	0.39	0.035	1	10/19/15 11:30	10/20/15 10:15	7440-48-4	
Copper	13.4	mg/kg	0.77	0.17	1	10/19/15 11:30	10/20/15 10:15	7440-50-8	
Iron	8640	mg/kg	3.9	0.34	1	10/19/15 11:30	10/20/15 11:59	7439-89-6	
Lead	20.4	mg/kg	0.77	0.16	1	10/19/15 11:30	10/20/15 10:15	7439-92-1	
Magnesium	41800	mg/kg	3.9	0.68	1	10/19/15 11:30	10/20/15 10:15	7439-95-4	
Manganese	465	mg/kg	0.39	0.052	1	10/19/15 11:30	10/20/15 10:15	7439-96-5	
Nickel	10.8	mg/kg	0.39	0.066	1	10/19/15 11:30	10/20/15 10:15	7440-02-0	
Potassium	1230	mg/kg	386	38.7	10	10/19/15 11:30	10/20/15 15:09	7440-09-7	
Selenium	<0.70	mg/kg	2.3	0.70	2	10/19/15 11:30	10/20/15 13:26	7782-49-2	D3
Silver	<0.080	mg/kg	0.54	0.080	1	10/19/15 11:30	10/20/15 10:15	7440-22-4	
Sodium	1360	mg/kg	38.6	1.2	1	10/19/15 11:30	10/20/15 10:15	7440-23-5	
Thallium	<0.24	mg/kg	1.5	0.24	1	10/19/15 11:30	10/20/15 10:15	7440-28-0	
Vanadium	19.3	mg/kg	0.77	0.083	1	10/19/15 11:30	10/20/15 10:15	7440-62-2	
Zinc	42.9	mg/kg	7.7	0.44	1	10/19/15 11:30	10/20/15 10:15	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/22/15 00:00

Arsenic	0.0046J	mg/L	0.010	0.0045	1	10/23/15 15:50	10/26/15 13:55	7440-38-2	
Barium	0.020J	mg/L	0.10	0.00052	1	10/23/15 15:50	10/26/15 13:55	7440-39-3	B
Beryllium	0.00019J	mg/L	0.0010	0.00017	1	10/23/15 15:50	10/26/15 13:55	7440-41-7	
Cadmium	<0.00056	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 13:55	7440-43-9	
Chromium	0.011	mg/L	0.0050	0.00096	1	10/29/15 14:00	10/30/15 11:51	7440-47-3	
Cobalt	0.00086J	mg/L	0.0050	0.00080	1	10/23/15 15:50	10/26/15 13:55	7440-48-4	B
Copper	0.0052J	mg/L	0.010	0.00083	1	10/23/15 15:50	10/26/15 13:55	7440-50-8	B
Iron	4.0	mg/L	0.050	0.0090	1	10/23/15 15:50	10/26/15 13:55	7439-89-6	
Lead	0.0050J	mg/L	0.0050	0.0019	1	10/23/15 15:50	10/26/15 13:55	7439-92-1	B
Manganese	0.059	mg/L	0.0050	0.0024	1	10/23/15 15:50	10/26/15 13:55	7439-96-5	B
Nickel	0.0037J	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 13:55	7440-02-0	B
Selenium	<0.0058	mg/L	0.015	0.0058	1	10/23/15 15:50	10/26/15 13:55	7782-49-2	
Silver	<0.0011	mg/L	0.0070	0.0011	1	10/23/15 15:50	10/26/15 13:55	7440-22-4	
Zinc	0.020J	mg/L	0.050	0.0026	1	10/23/15 15:50	10/26/15 13:55	7440-66-6	B

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/22/15 00:00

Arsenic	0.0055J	mg/L	0.050	0.0045	1	10/23/15 15:50	10/26/15 11:40	7440-38-2	B
Barium	0.18J	mg/L	0.25	0.00052	1	10/23/15 15:50	10/26/15 11:40	7440-39-3	
Beryllium	<0.00017	mg/L	0.0050	0.00017	1	10/23/15 15:50	10/26/15 11:40	7440-41-7	
Cadmium	0.0015J	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 11:40	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-2 (0-2)-101315 Lab ID: 4012282002 Collected: 10/13/15 09:05 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/22/15 00:00									
Chromium	0.0029J	mg/L	0.010	0.00096	1	10/23/15 15:50	10/26/15 11:40	7440-47-3	B
Cobalt	0.014	mg/L	0.010	0.00080	1	10/23/15 15:50	10/26/15 11:40	7440-48-4	
Copper	0.0073J	mg/L	0.020	0.00083	1	10/23/15 15:50	10/26/15 11:40	7440-50-8	B
Iron	0.022J	mg/L	0.10	0.0090	1	10/23/15 15:50	10/26/15 11:40	7439-89-6	B
Lead	<0.0019	mg/L	0.050	0.0019	1	10/23/15 15:50	10/26/15 11:40	7439-92-1	
Manganese	2.1	mg/L	0.010	0.0024	1	10/23/15 15:50	10/26/15 11:40	7439-96-5	
Nickel	0.018	mg/L	0.010	0.00056	1	10/23/15 15:50	10/26/15 11:40	7440-02-0	B
Selenium	0.0091J	mg/L	0.050	0.0058	1	10/23/15 15:50	10/26/15 11:40	7782-49-2	
Silver	<0.0011	mg/L	0.010	0.0011	1	10/23/15 15:50	10/26/15 11:40	7440-22-4	
Zinc	0.076J	mg/L	0.25	0.0026	1	10/23/15 15:50	10/26/15 11:40	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/22/15 00:00									
Mercury	0.00055J	mg/L	0.00067	0.00033	1	10/26/15 08:45	10/26/15 14:26	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/22/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/26/15 08:45	10/26/15 13:28	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.030	mg/kg	0.028	0.0015	1	10/19/15 10:00	10/19/15 15:09	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<64.0	ug/kg	213	64.0	1	10/16/15 09:58	10/19/15 16:58	83-32-9	
Acenaphthylene	<64.4	ug/kg	215	64.4	1	10/16/15 09:58	10/19/15 16:58	208-96-8	
Anthracene	<28.8	ug/kg	96.2	28.8	1	10/16/15 09:58	10/19/15 16:58	120-12-7	
Benzo(a)anthracene	<28.0	ug/kg	93.2	28.0	1	10/16/15 09:58	10/19/15 16:58	56-55-3	
Benzo(a)pyrene	<27.2	ug/kg	90.5	27.2	1	10/16/15 09:58	10/19/15 16:58	50-32-8	
Benzo(b)fluoranthene	<31.0	ug/kg	103	31.0	1	10/16/15 09:58	10/19/15 16:58	205-99-2	
Benzo(g,h,i)perylene	66.7J	ug/kg	157	47.2	1	10/16/15 09:58	10/19/15 16:58	191-24-2	
Benzo(k)fluoranthene	<43.2	ug/kg	144	43.2	1	10/16/15 09:58	10/19/15 16:58	207-08-9	
4-Bromophenylphenyl ether	<37.8	ug/kg	126	37.8	1	10/16/15 09:58	10/19/15 16:58	101-55-3	
Butylbenzylphthalate	<28.9	ug/kg	96.5	28.9	1	10/16/15 09:58	10/19/15 16:58	85-68-7	
Carbazole	<28.3	ug/kg	94.2	28.3	1	10/16/15 09:58	10/19/15 16:58	86-74-8	
4-Chloro-3-methylphenol	<56.2	ug/kg	187	56.2	1	10/16/15 09:58	10/19/15 16:58	59-50-7	
4-Chloroaniline	<29.7	ug/kg	98.9	29.7	1	10/16/15 09:58	10/19/15 16:58	106-47-8	
bis(2-Chloroethoxy)methane	<48.6	ug/kg	162	48.6	1	10/16/15 09:58	10/19/15 16:58	111-91-1	
bis(2-Chloroethyl) ether	<56.3	ug/kg	188	56.3	1	10/16/15 09:58	10/19/15 16:58	111-44-4	
2-Chloronaphthalene	<23.2	ug/kg	77.2	23.2	1	10/16/15 09:58	10/19/15 16:58	91-58-7	
2-Chlorophenol	<45.1	ug/kg	150	45.1	1	10/16/15 09:58	10/19/15 16:58	95-57-8	
4-Chlorophenylphenyl ether	<33.6	ug/kg	112	33.6	1	10/16/15 09:58	10/19/15 16:58	7005-72-3	
Chrysene	<27.0	ug/kg	90.0	27.0	1	10/16/15 09:58	10/19/15 16:58	218-01-9	
Dibenz(a,h)anthracene	<49.0	ug/kg	163	49.0	1	10/16/15 09:58	10/19/15 16:58	53-70-3	
Dibenzofuran	<21.8	ug/kg	72.8	21.8	1	10/16/15 09:58	10/19/15 16:58	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-2 (0-2)-101315 **Lab ID: 40122822002** Collected: 10/13/15 09:05 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<56.8	ug/kg	189	56.8	1	10/16/15 09:58	10/19/15 16:58	95-50-1	
1,3-Dichlorobenzene	<25.0	ug/kg	83.3	25.0	1	10/16/15 09:58	10/19/15 16:58	541-73-1	
1,4-Dichlorobenzene	<25.1	ug/kg	83.8	25.1	1	10/16/15 09:58	10/19/15 16:58	106-46-7	
3,3'-Dichlorobenzidine	<49.0	ug/kg	163	49.0	1	10/16/15 09:58	10/19/15 16:58	91-94-1	
2,4-Dichlorophenol	<48.2	ug/kg	161	48.2	1	10/16/15 09:58	10/19/15 16:58	120-83-2	
Diethylphthalate	<29.9	ug/kg	99.8	29.9	1	10/16/15 09:58	10/19/15 16:58	84-66-2	
2,4-Dimethylphenol	<35.7	ug/kg	119	35.7	1	10/16/15 09:58	10/19/15 16:58	105-67-9	
Dimethylphthalate	<23.5	ug/kg	78.3	23.5	1	10/16/15 09:58	10/19/15 16:58	131-11-3	
Di-n-butylphthalate	<27.0	ug/kg	89.9	27.0	1	10/16/15 09:58	10/19/15 16:58	84-74-2	
4,6-Dinitro-2-methylphenol	<55.6	ug/kg	185	55.6	1	10/16/15 09:58	10/19/15 16:58	534-52-1	
2,4-Dinitrophenol	<55.0	ug/kg	183	55.0	1	10/16/15 09:58	10/19/15 16:58	51-28-5	
2,4-Dinitrotoluene	<25.8	ug/kg	86.0	25.8	1	10/16/15 09:58	10/19/15 16:58	121-14-2	
2,6-Dinitrotoluene	<34.3	ug/kg	114	34.3	1	10/16/15 09:58	10/19/15 16:58	606-20-2	
Di-n-octylphthalate	<40.6	ug/kg	135	40.6	1	10/16/15 09:58	10/19/15 16:58	117-84-0	
bis(2-Ethylhexyl)phthalate	<30.0	ug/kg	100	30.0	1	10/16/15 09:58	10/19/15 16:58	117-81-7	
Fluoranthene	<25.5	ug/kg	85.1	25.5	1	10/16/15 09:58	10/19/15 16:58	206-44-0	
Fluorene	<21.1	ug/kg	70.3	21.1	1	10/16/15 09:58	10/19/15 16:58	86-73-7	
Hexachloro-1,3-butadiene	<46.0	ug/kg	153	46.0	1	10/16/15 09:58	10/19/15 16:58	87-68-3	
Hexachlorobenzene	<30.4	ug/kg	101	30.4	1	10/16/15 09:58	10/19/15 16:58	118-74-1	
Hexachlorocyclopentadiene	<42.7	ug/kg	142	42.7	1	10/16/15 09:58	10/19/15 16:58	77-47-4	
Hexachloroethane	<28.9	ug/kg	96.3	28.9	1	10/16/15 09:58	10/19/15 16:58	67-72-1	
Indeno(1,2,3-cd)pyrene	41.1J	ug/kg	130	39.1	1	10/16/15 09:58	10/19/15 16:58	193-39-5	
Isophorone	<27.7	ug/kg	92.5	27.7	1	10/16/15 09:58	10/19/15 16:58	78-59-1	
2-Methylnaphthalene	<46.9	ug/kg	156	46.9	1	10/16/15 09:58	10/19/15 16:58	91-57-6	
2-Methylphenol(o-Cresol)	<32.8	ug/kg	109	32.8	1	10/16/15 09:58	10/19/15 16:58	95-48-7	
3&4-Methylphenol(m&p Cresol)	<33.1	ug/kg	110	33.1	1	10/16/15 09:58	10/19/15 16:58		
Naphthalene	<63.1	ug/kg	210	63.1	1	10/16/15 09:58	10/19/15 16:58	91-20-3	
2-Nitroaniline	<51.4	ug/kg	171	51.4	1	10/16/15 09:58	10/19/15 16:58	88-74-4	
3-Nitroaniline	<30.7	ug/kg	102	30.7	1	10/16/15 09:58	10/19/15 16:58	99-09-2	
4-Nitroaniline	<74.9	ug/kg	250	74.9	1	10/16/15 09:58	10/19/15 16:58	100-01-6	
Nitrobenzene	<36.6	ug/kg	122	36.6	1	10/16/15 09:58	10/19/15 16:58	98-95-3	
2-Nitrophenol	<57.0	ug/kg	190	57.0	1	10/16/15 09:58	10/19/15 16:58	88-75-5	
4-Nitrophenol	<45.4	ug/kg	151	45.4	1	10/16/15 09:58	10/19/15 16:58	100-02-7	
N-Nitroso-di-n-propylamine	<28.6	ug/kg	95.4	28.6	1	10/16/15 09:58	10/19/15 16:58	621-64-7	
N-Nitrosodiphenylamine	<245	ug/kg	816	245	1	10/16/15 09:58	10/19/15 16:58	86-30-6	
2,2'-Oxybis(1-chloropropane)	<46.5	ug/kg	155	46.5	1	10/16/15 09:58	10/19/15 16:58	108-60-1	
Pentachlorophenol	<39.8	ug/kg	132	39.8	1	10/16/15 09:58	10/19/15 16:58	87-86-5	
Phenanthrene	<23.2	ug/kg	77.2	23.2	1	10/16/15 09:58	10/19/15 16:58	85-01-8	
Phenol	<42.8	ug/kg	143	42.8	1	10/16/15 09:58	10/19/15 16:58	108-95-2	
Pyrene	<40.0	ug/kg	133	40.0	1	10/16/15 09:58	10/19/15 16:58	129-00-0	
1,2,4-Trichlorobenzene	<20.4	ug/kg	68.0	20.4	1	10/16/15 09:58	10/19/15 16:58	120-82-1	
2,4,5-Trichlorophenol	<31.9	ug/kg	106	31.9	1	10/16/15 09:58	10/19/15 16:58	95-95-4	
2,4,6-Trichlorophenol	<27.5	ug/kg	91.7	27.5	1	10/16/15 09:58	10/19/15 16:58	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	71	%	45-130		1	10/16/15 09:58	10/19/15 16:58	4165-60-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-2 (0-2)-101315 **Lab ID: 4012282002** Collected: 10/13/15 09:05 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

2-Fluorobiphenyl (S)	83	%	51-130		1	10/16/15 09:58	10/19/15 16:58	321-60-8	
Terphenyl-d14 (S)	133	%	37-134		1	10/16/15 09:58	10/19/15 16:58	1718-51-0	
Phenol-d6 (S)	79	%	36-130		1	10/16/15 09:58	10/19/15 16:58	13127-88-3	
2-Fluorophenol (S)	68	%	37-130		1	10/16/15 09:58	10/19/15 16:58	367-12-4	
2,4,6-Tribromophenol (S)	67	%	30-130		1	10/16/15 09:58	10/19/15 16:58	118-79-6	

8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260

Acetone	<4.3	ug/kg	13.8	4.3	1	10/15/15 12:00	10/15/15 18:30	67-64-1	2q
Benzene	<1.1	ug/kg	3.4	1.1	1	10/15/15 12:00	10/15/15 18:30	71-43-2	
Bromodichloromethane	<0.76	ug/kg	3.4	0.76	1	10/15/15 12:00	10/15/15 18:30	75-27-4	
Bromoform	<0.58	ug/kg	3.4	0.58	1	10/15/15 12:00	10/15/15 18:30	75-25-2	
Bromomethane	<1.0	ug/kg	6.9	1.0	1	10/15/15 12:00	10/15/15 18:30	74-83-9	
2-Butanone (MEK)	<2.0	ug/kg	13.8	2.0	1	10/15/15 12:00	10/15/15 18:30	78-93-3	
Carbon disulfide	<0.89	ug/kg	3.4	0.89	1	10/15/15 12:00	10/15/15 18:30	75-15-0	
Carbon tetrachloride	<1.1	ug/kg	3.4	1.1	1	10/15/15 12:00	10/15/15 18:30	56-23-5	
Chlorobenzene	<1.1	ug/kg	3.4	1.1	1	10/15/15 12:00	10/15/15 18:30	108-90-7	
Chloroethane	<1.4	ug/kg	3.4	1.4	1	10/15/15 12:00	10/15/15 18:30	75-00-3	
Chloroform	<0.65	ug/kg	3.4	0.65	1	10/15/15 12:00	10/15/15 18:30	67-66-3	
Chloromethane	<0.39	ug/kg	3.4	0.39	1	10/15/15 12:00	10/15/15 18:30	74-87-3	
Dibromochloromethane	<1.2	ug/kg	3.4	1.2	1	10/15/15 12:00	10/15/15 18:30	124-48-1	
1,1-Dichloroethane	<1.6	ug/kg	3.4	1.6	1	10/15/15 12:00	10/15/15 18:30	75-34-3	
1,2-Dichloroethane	<0.68	ug/kg	3.4	0.68	1	10/15/15 12:00	10/15/15 18:30	107-06-2	
1,1-Dichloroethene	<1.6	ug/kg	3.4	1.6	1	10/15/15 12:00	10/15/15 18:30	75-35-4	
cis-1,2-Dichloroethene	<0.91	ug/kg	3.4	0.91	1	10/15/15 12:00	10/15/15 18:30	156-59-2	
trans-1,2-Dichloroethene	<0.85	ug/kg	3.4	0.85	1	10/15/15 12:00	10/15/15 18:30	156-60-5	
1,2-Dichloropropane	<0.87	ug/kg	3.4	0.87	1	10/15/15 12:00	10/15/15 18:30	78-87-5	
cis-1,3-Dichloropropene	<0.46	ug/kg	3.4	0.46	1	10/15/15 12:00	10/15/15 18:30	10061-01-5	
trans-1,3-Dichloropropene	<0.64	ug/kg	3.4	0.64	1	10/15/15 12:00	10/15/15 18:30	10061-02-6	
Ethylbenzene	<0.99	ug/kg	3.4	0.99	1	10/15/15 12:00	10/15/15 18:30	100-41-4	
2-Hexanone	<1.0	ug/kg	3.4	1.0	1	10/15/15 12:00	10/15/15 18:30	591-78-6	
Methylene Chloride	<1.3	ug/kg	3.4	1.3	1	10/15/15 12:00	10/15/15 18:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.85	ug/kg	3.4	0.85	1	10/15/15 12:00	10/15/15 18:30	108-10-1	
Methyl-tert-butyl ether	<0.69	ug/kg	3.4	0.69	1	10/15/15 12:00	10/15/15 18:30	1634-04-4	
Styrene	<0.52	ug/kg	3.4	0.52	1	10/15/15 12:00	10/15/15 18:30	100-42-5	
1,1,2,2-Tetrachloroethane	<1.4	ug/kg	3.4	1.4	1	10/15/15 12:00	10/15/15 18:30	79-34-5	
Tetrachloroethene	<1.1	ug/kg	3.4	1.1	1	10/15/15 12:00	10/15/15 18:30	127-18-4	
Toluene	<1.0	ug/kg	3.4	1.0	1	10/15/15 12:00	10/15/15 18:30	108-88-3	
1,1,1-Trichloroethane	<1.1	ug/kg	3.4	1.1	1	10/15/15 12:00	10/15/15 18:30	71-55-6	
1,1,2-Trichloroethane	<1.3	ug/kg	3.4	1.3	1	10/15/15 12:00	10/15/15 18:30	79-00-5	
Trichloroethene	<1.3	ug/kg	3.4	1.3	1	10/15/15 12:00	10/15/15 18:30	79-01-6	
Vinyl chloride	<0.38	ug/kg	3.4	0.38	1	10/15/15 12:00	10/15/15 18:30	75-01-4	
Xylene (Total)	<3.1	ug/kg	10.3	3.1	1	10/15/15 12:00	10/15/15 18:30	1330-20-7	

Surrogates

Dibromofluoromethane (S)	106	%	70-130		1	10/15/15 12:00	10/15/15 18:30	1868-53-7	
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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-2 (0-2)-101315 **Lab ID: 4012282002** Collected: 10/13/15 09:05 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	100	%	67-138		1	10/15/15 12:00	10/15/15 18:30	2037-26-5	
4-Bromofluorobenzene (S)	96	%	68-130		1	10/15/15 12:00	10/15/15 18:30	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	7.5	%	0.10	0.10	1		10/14/15 18:05		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.56	Std. Units	0.100	0.0100	1		10/15/15 15:30		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-2 (0-2)-101315D Lab ID: 40122822003 Collected: 10/13/15 09:10 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Red. Interference Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.29	mg/kg	0.93	0.29	1	10/19/15 11:30	10/20/15 12:03	7440-36-0	
Arsenic	8.1	mg/kg	0.93	0.37	1	10/19/15 11:30	10/20/15 10:18	7440-38-2	
Barium	44.9	mg/kg	0.93	0.053	1	10/19/15 11:30	10/20/15 10:18	7440-39-3	
Beryllium	0.49	mg/kg	0.093	0.011	1	10/19/15 11:30	10/20/15 12:03	7440-41-7	
Cadmium	0.33J	mg/kg	0.47	0.022	1	10/19/15 11:30	10/20/15 10:18	7440-43-9	
Calcium	64900	mg/kg	9.3	1.0	1	10/19/15 11:30	10/20/15 12:03	7440-70-2	
Chromium	15.3	mg/kg	0.47	0.058	1	10/19/15 11:30	10/20/15 10:18	7440-47-3	
Cobalt	6.7	mg/kg	0.47	0.043	1	10/19/15 11:30	10/20/15 10:18	7440-48-4	
Copper	16.6	mg/kg	0.93	0.21	1	10/19/15 11:30	10/20/15 10:18	7440-50-8	
Iron	17200	mg/kg	4.7	0.42	1	10/19/15 11:30	10/20/15 12:03	7439-89-6	
Lead	11.0	mg/kg	0.93	0.19	1	10/19/15 11:30	10/20/15 10:18	7439-92-1	
Magnesium	27100	mg/kg	4.7	0.82	1	10/19/15 11:30	10/20/15 10:18	7439-95-4	
Manganese	450	mg/kg	0.47	0.063	1	10/19/15 11:30	10/20/15 10:18	7439-96-5	
Nickel	16.1	mg/kg	0.47	0.079	1	10/19/15 11:30	10/20/15 10:18	7440-02-0	
Potassium	2010	mg/kg	46.7	4.7	1	10/19/15 11:30	10/20/15 12:03	7440-09-7	
Selenium	<0.42	mg/kg	1.4	0.42	1	10/19/15 11:30	10/20/15 12:03	7782-49-2	
Silver	<0.097	mg/kg	0.65	0.097	1	10/19/15 11:30	10/20/15 10:18	7440-22-4	
Sodium	1650	mg/kg	46.7	1.5	1	10/19/15 11:30	10/20/15 10:18	7440-23-5	
Thallium	<0.29	mg/kg	1.9	0.29	1	10/19/15 11:30	10/20/15 10:18	7440-28-0	
Vanadium	29.6	mg/kg	0.93	0.10	1	10/19/15 11:30	10/20/15 10:18	7440-62-2	
Zinc	39.4	mg/kg	9.3	0.53	1	10/19/15 11:30	10/20/15 10:18	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/22/15 00:00

Arsenic	0.048	mg/L	0.010	0.0045	1	10/23/15 15:50	10/26/15 13:59	7440-38-2	
Barium	0.37	mg/L	0.10	0.00052	1	10/23/15 15:50	10/26/15 13:59	7440-39-3	
Beryllium	0.0035	mg/L	0.0010	0.00017	1	10/23/15 15:50	10/26/15 13:59	7440-41-7	
Cadmium	0.0031J	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 13:59	7440-43-9	B
Chromium	0.012	mg/L	0.0050	0.00096	1	10/29/15 14:00	10/30/15 11:54	7440-47-3	
Cobalt	0.047	mg/L	0.0050	0.00080	1	10/23/15 15:50	10/26/15 13:59	7440-48-4	
Copper	0.011	mg/L	0.010	0.00083	1	10/29/15 14:00	10/30/15 11:54	7440-50-8	
Iron	108	mg/L	0.050	0.0090	1	10/23/15 15:50	10/26/15 13:59	7439-89-6	
Lead	0.0079	mg/L	0.0050	0.0019	1	10/29/15 14:00	10/30/15 11:54	7439-92-1	
Manganese	3.3	mg/L	0.0050	0.0024	1	10/23/15 15:50	10/26/15 13:59	7439-96-5	
Nickel	0.0080	mg/L	0.0050	0.00056	1	10/29/15 14:00	10/30/15 11:54	7440-02-0	
Selenium	<0.0058	mg/L	0.015	0.0058	1	10/23/15 15:50	10/26/15 13:59	7782-49-2	
Silver	<0.0011	mg/L	0.0070	0.0011	1	10/23/15 15:50	10/26/15 13:59	7440-22-4	
Zinc	0.031J	mg/L	0.050	0.0026	1	10/29/15 14:00	10/30/15 11:54	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/22/15 00:00

Arsenic	0.0086J	mg/L	0.050	0.0045	1	10/23/15 15:50	10/26/15 11:51	7440-38-2	B
Barium	0.21J	mg/L	0.25	0.00052	1	10/23/15 15:50	10/26/15 11:51	7440-39-3	
Beryllium	<0.00017	mg/L	0.0050	0.00017	1	10/23/15 15:50	10/26/15 11:51	7440-41-7	
Cadmium	0.0013J	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 11:51	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-2 (0-2)-101315D Lab ID: 40122822003 Collected: 10/13/15 09:10 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/22/15 00:00									
Chromium	0.0032J	mg/L	0.010	0.00096	1	10/23/15 15:50	10/26/15 11:51	7440-47-3	B
Cobalt	0.0067J	mg/L	0.010	0.00080	1	10/23/15 15:50	10/26/15 11:51	7440-48-4	
Copper	0.014J	mg/L	0.020	0.00083	1	10/23/15 15:50	10/26/15 11:51	7440-50-8	B
Iron	0.019J	mg/L	0.10	0.0090	1	10/23/15 15:50	10/26/15 11:51	7439-89-6	B
Lead	0.0061J	mg/L	0.050	0.0019	1	10/23/15 15:50	10/26/15 11:51	7439-92-1	
Manganese	1.9	mg/L	0.010	0.0024	1	10/23/15 15:50	10/26/15 11:51	7439-96-5	
Nickel	0.014	mg/L	0.010	0.00056	1	10/23/15 15:50	10/26/15 11:51	7440-02-0	B
Selenium	0.0081J	mg/L	0.050	0.0058	1	10/23/15 15:50	10/26/15 11:51	7782-49-2	
Silver	<0.0011	mg/L	0.010	0.0011	1	10/23/15 15:50	10/26/15 11:51	7440-22-4	
Zinc	0.080J	mg/L	0.25	0.0026	1	10/23/15 15:50	10/26/15 11:51	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/22/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/26/15 08:45	10/26/15 14:28	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/22/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/26/15 08:45	10/26/15 13:30	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.015J	mg/kg	0.038	0.0020	1	10/19/15 10:00	10/19/15 15:16	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<315	ug/kg	1050	315	5	10/16/15 09:58	10/19/15 18:04	83-32-9	
Acenaphthylene	<317	ug/kg	1060	317	5	10/16/15 09:58	10/19/15 18:04	208-96-8	
Anthracene	<142	ug/kg	474	142	5	10/16/15 09:58	10/19/15 18:04	120-12-7	
Benzo(a)anthracene	<138	ug/kg	459	138	5	10/16/15 09:58	10/19/15 18:04	56-55-3	
Benzo(a)pyrene	<134	ug/kg	446	134	5	10/16/15 09:58	10/19/15 18:04	50-32-8	
Benzo(b)fluoranthene	<153	ug/kg	509	153	5	10/16/15 09:58	10/19/15 18:04	205-99-2	
Benzo(g,h,i)perylene	<233	ug/kg	776	233	5	10/16/15 09:58	10/19/15 18:04	191-24-2	
Benzo(k)fluoranthene	<213	ug/kg	710	213	5	10/16/15 09:58	10/19/15 18:04	207-08-9	
4-Bromophenylphenyl ether	<186	ug/kg	621	186	5	10/16/15 09:58	10/19/15 18:04	101-55-3	
Butylbenzylphthalate	<143	ug/kg	475	143	5	10/16/15 09:58	10/19/15 18:04	85-68-7	
Carbazole	<139	ug/kg	464	139	5	10/16/15 09:58	10/19/15 18:04	86-74-8	
4-Chloro-3-methylphenol	<277	ug/kg	922	277	5	10/16/15 09:58	10/19/15 18:04	59-50-7	
4-Chloroaniline	<146	ug/kg	487	146	5	10/16/15 09:58	10/19/15 18:04	106-47-8	
bis(2-Chloroethoxy)methane	<240	ug/kg	798	240	5	10/16/15 09:58	10/19/15 18:04	111-91-1	
bis(2-Chloroethyl) ether	<278	ug/kg	926	278	5	10/16/15 09:58	10/19/15 18:04	111-44-4	
2-Chloronaphthalene	<114	ug/kg	381	114	5	10/16/15 09:58	10/19/15 18:04	91-58-7	
2-Chlorophenol	<222	ug/kg	740	222	5	10/16/15 09:58	10/19/15 18:04	95-57-8	
4-Chlorophenylphenyl ether	<166	ug/kg	552	166	5	10/16/15 09:58	10/19/15 18:04	7005-72-3	
Chrysene	<133	ug/kg	443	133	5	10/16/15 09:58	10/19/15 18:04	218-01-9	
Dibenz(a,h)anthracene	<242	ug/kg	805	242	5	10/16/15 09:58	10/19/15 18:04	53-70-3	
Dibenzofuran	<108	ug/kg	359	108	5	10/16/15 09:58	10/19/15 18:04	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Lab Project No.: 40122822

Sample: SR-2 (0-2)-101315D Lab ID: 40122822003 Collected: 10/13/15 09:10 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<280	ug/kg	932	280	5	10/16/15 09:58	10/19/15 18:04	95-50-1	
1,3-Dichlorobenzene	<123	ug/kg	411	123	5	10/16/15 09:58	10/19/15 18:04	541-73-1	
1,4-Dichlorobenzene	<124	ug/kg	413	124	5	10/16/15 09:58	10/19/15 18:04	106-46-7	
3,3'-Dichlorobenzidine	<241	ug/kg	804	241	5	10/16/15 09:58	10/19/15 18:04	91-94-1	
2,4-Dichlorophenol	<238	ug/kg	792	238	5	10/16/15 09:58	10/19/15 18:04	120-83-2	
Diethylphthalate	<147	ug/kg	492	147	5	10/16/15 09:58	10/19/15 18:04	84-66-2	
2,4-Dimethylphenol	<176	ug/kg	586	176	5	10/16/15 09:58	10/19/15 18:04	105-67-9	
Dimethylphthalate	<116	ug/kg	386	116	5	10/16/15 09:58	10/19/15 18:04	131-11-3	
Di-n-butylphthalate	<133	ug/kg	443	133	5	10/16/15 09:58	10/19/15 18:04	84-74-2	
4,6-Dinitro-2-methylphenol	<274	ug/kg	914	274	5	10/16/15 09:58	10/19/15 18:04	534-52-1	
2,4-Dinitrophenol	<271	ug/kg	903	271	5	10/16/15 09:58	10/19/15 18:04	51-28-5	
2,4-Dinitrotoluene	<127	ug/kg	424	127	5	10/16/15 09:58	10/19/15 18:04	121-14-2	
2,6-Dinitrotoluene	<169	ug/kg	563	169	5	10/16/15 09:58	10/19/15 18:04	606-20-2	
Di-n-octylphthalate	<200	ug/kg	667	200	5	10/16/15 09:58	10/19/15 18:04	117-84-0	
bis(2-Ethylhexyl)phthalate	<148	ug/kg	493	148	5	10/16/15 09:58	10/19/15 18:04	117-81-7	
Fluoranthene	<126	ug/kg	420	126	5	10/16/15 09:58	10/19/15 18:04	206-44-0	
Fluorene	<104	ug/kg	347	104	5	10/16/15 09:58	10/19/15 18:04	86-73-7	
Hexachloro-1,3-butadiene	<227	ug/kg	755	227	5	10/16/15 09:58	10/19/15 18:04	87-68-3	
Hexachlorobenzene	<150	ug/kg	499	150	5	10/16/15 09:58	10/19/15 18:04	118-74-1	
Hexachlorocyclopentadiene	<210	ug/kg	702	210	5	10/16/15 09:58	10/19/15 18:04	77-47-4	
Hexachloroethane	<142	ug/kg	474	142	5	10/16/15 09:58	10/19/15 18:04	67-72-1	
Indeno(1,2,3-cd)pyrene	<192	ug/kg	642	192	5	10/16/15 09:58	10/19/15 18:04	193-39-5	
Isophorone	<137	ug/kg	456	137	5	10/16/15 09:58	10/19/15 18:04	78-59-1	
2-Methylnaphthalene	<231	ug/kg	770	231	5	10/16/15 09:58	10/19/15 18:04	91-57-6	
2-Methylphenol(o-Cresol)	<162	ug/kg	539	162	5	10/16/15 09:58	10/19/15 18:04	95-48-7	
3&4-Methylphenol(m&p Cresol)	<163	ug/kg	543	163	5	10/16/15 09:58	10/19/15 18:04		
Naphthalene	<311	ug/kg	1040	311	5	10/16/15 09:58	10/19/15 18:04	91-20-3	
2-Nitroaniline	<253	ug/kg	845	253	5	10/16/15 09:58	10/19/15 18:04	88-74-4	
3-Nitroaniline	<151	ug/kg	504	151	5	10/16/15 09:58	10/19/15 18:04	99-09-2	
4-Nitroaniline	<369	ug/kg	1230	369	5	10/16/15 09:58	10/19/15 18:04	100-01-6	
Nitrobenzene	<180	ug/kg	601	180	5	10/16/15 09:58	10/19/15 18:04	98-95-3	
2-Nitrophenol	<281	ug/kg	936	281	5	10/16/15 09:58	10/19/15 18:04	88-75-5	
4-Nitrophenol	<224	ug/kg	747	224	5	10/16/15 09:58	10/19/15 18:04	100-02-7	
N-Nitroso-di-n-propylamine	<141	ug/kg	470	141	5	10/16/15 09:58	10/19/15 18:04	621-64-7	
N-Nitrosodiphenylamine	<1210	ug/kg	4020	1210	5	10/16/15 09:58	10/19/15 18:04	86-30-6	
2,2'-Oxybis(1-chloropropane)	<229	ug/kg	765	229	5	10/16/15 09:58	10/19/15 18:04	108-60-1	
Pentachlorophenol	<196	ug/kg	653	196	5	10/16/15 09:58	10/19/15 18:04	87-86-5	
Phenanthrene	<114	ug/kg	380	114	5	10/16/15 09:58	10/19/15 18:04	85-01-8	
Phenol	<211	ug/kg	704	211	5	10/16/15 09:58	10/19/15 18:04	108-95-2	D3
Pyrene	<197	ug/kg	657	197	5	10/16/15 09:58	10/19/15 18:04	129-00-0	
1,2,4-Trichlorobenzene	<101	ug/kg	335	101	5	10/16/15 09:58	10/19/15 18:04	120-82-1	
2,4,5-Trichlorophenol	<157	ug/kg	524	157	5	10/16/15 09:58	10/19/15 18:04	95-95-4	
2,4,6-Trichlorophenol	<136	ug/kg	452	136	5	10/16/15 09:58	10/19/15 18:04	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	71	%	45-130		5	10/16/15 09:58	10/19/15 18:04	4165-60-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-2 (0-2)-101315D Lab ID: 40122822003 Collected: 10/13/15 09:10 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	91	%	51-130		5	10/16/15 09:58	10/19/15 18:04	321-60-8	
Terphenyl-d14 (S)	174	%	37-134		5	10/16/15 09:58	10/19/15 18:04	1718-51-0	S3
Phenol-d6 (S)	70	%	36-130		5	10/16/15 09:58	10/19/15 18:04	13127-88-3	
2-Fluorophenol (S)	63	%	37-130		5	10/16/15 09:58	10/19/15 18:04	367-12-4	
2,4,6-Tribromophenol (S)	92	%	30-130		5	10/16/15 09:58	10/19/15 18:04	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<3.6	ug/kg	11.6	3.6	1	10/15/15 12:00	10/15/15 18:53	67-64-1	2q
Benzene	<0.93	ug/kg	2.9	0.93	1	10/15/15 12:00	10/15/15 18:53	71-43-2	
Bromodichloromethane	<0.63	ug/kg	2.9	0.63	1	10/15/15 12:00	10/15/15 18:53	75-27-4	
Bromoform	<0.49	ug/kg	2.9	0.49	1	10/15/15 12:00	10/15/15 18:53	75-25-2	
Bromomethane	<0.87	ug/kg	5.8	0.87	1	10/15/15 12:00	10/15/15 18:53	74-83-9	
2-Butanone (MEK)	<1.6	ug/kg	11.6	1.6	1	10/15/15 12:00	10/15/15 18:53	78-93-3	
Carbon disulfide	<0.75	ug/kg	2.9	0.75	1	10/15/15 12:00	10/15/15 18:53	75-15-0	
Carbon tetrachloride	<0.92	ug/kg	2.9	0.92	1	10/15/15 12:00	10/15/15 18:53	56-23-5	
Chlorobenzene	<0.92	ug/kg	2.9	0.92	1	10/15/15 12:00	10/15/15 18:53	108-90-7	
Chloroethane	<1.2	ug/kg	2.9	1.2	1	10/15/15 12:00	10/15/15 18:53	75-00-3	
Chloroform	<0.55	ug/kg	2.9	0.55	1	10/15/15 12:00	10/15/15 18:53	67-66-3	
Chloromethane	<0.32	ug/kg	2.9	0.32	1	10/15/15 12:00	10/15/15 18:53	74-87-3	
Dibromochloromethane	<0.99	ug/kg	2.9	0.99	1	10/15/15 12:00	10/15/15 18:53	124-48-1	
1,1-Dichloroethane	<1.4	ug/kg	2.9	1.4	1	10/15/15 12:00	10/15/15 18:53	75-34-3	
1,2-Dichloroethane	<0.57	ug/kg	2.9	0.57	1	10/15/15 12:00	10/15/15 18:53	107-06-2	
1,1-Dichloroethene	<1.3	ug/kg	2.9	1.3	1	10/15/15 12:00	10/15/15 18:53	75-35-4	
cis-1,2-Dichloroethene	<0.77	ug/kg	2.9	0.77	1	10/15/15 12:00	10/15/15 18:53	156-59-2	
trans-1,2-Dichloroethene	<0.72	ug/kg	2.9	0.72	1	10/15/15 12:00	10/15/15 18:53	156-60-5	
1,2-Dichloropropane	<0.73	ug/kg	2.9	0.73	1	10/15/15 12:00	10/15/15 18:53	78-87-5	
cis-1,3-Dichloropropene	<0.39	ug/kg	2.9	0.39	1	10/15/15 12:00	10/15/15 18:53	10061-01-5	
trans-1,3-Dichloropropene	<0.54	ug/kg	2.9	0.54	1	10/15/15 12:00	10/15/15 18:53	10061-02-6	
Ethylbenzene	<0.83	ug/kg	2.9	0.83	1	10/15/15 12:00	10/15/15 18:53	100-41-4	
2-Hexanone	<0.86	ug/kg	2.9	0.86	1	10/15/15 12:00	10/15/15 18:53	591-78-6	
Methylene Chloride	<1.1	ug/kg	2.9	1.1	1	10/15/15 12:00	10/15/15 18:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.71	ug/kg	2.9	0.71	1	10/15/15 12:00	10/15/15 18:53	108-10-1	
Methyl-tert-butyl ether	<0.58	ug/kg	2.9	0.58	1	10/15/15 12:00	10/15/15 18:53	1634-04-4	
Styrene	<0.44	ug/kg	2.9	0.44	1	10/15/15 12:00	10/15/15 18:53	100-42-5	
1,1,2,2-Tetrachloroethane	<1.2	ug/kg	2.9	1.2	1	10/15/15 12:00	10/15/15 18:53	79-34-5	
Tetrachloroethene	<0.91	ug/kg	2.9	0.91	1	10/15/15 12:00	10/15/15 18:53	127-18-4	
Toluene	<0.86	ug/kg	2.9	0.86	1	10/15/15 12:00	10/15/15 18:53	108-88-3	
1,1,1-Trichloroethane	<0.89	ug/kg	2.9	0.89	1	10/15/15 12:00	10/15/15 18:53	71-55-6	
1,1,2-Trichloroethane	<1.1	ug/kg	2.9	1.1	1	10/15/15 12:00	10/15/15 18:53	79-00-5	
Trichloroethene	<1.1	ug/kg	2.9	1.1	1	10/15/15 12:00	10/15/15 18:53	79-01-6	
Vinyl chloride	<0.32	ug/kg	2.9	0.32	1	10/15/15 12:00	10/15/15 18:53	75-01-4	
Xylene (Total)	<2.6	ug/kg	8.7	2.6	1	10/15/15 12:00	10/15/15 18:53	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	102	%	70-130		1	10/15/15 12:00	10/15/15 18:53	1868-53-7	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-2 (0-2)-101315D **Lab ID: 40122822003** Collected: 10/13/15 09:10 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	109	%	67-138		1	10/15/15 12:00	10/15/15 18:53	2037-26-5	
4-Bromofluorobenzene (S)	87	%	68-130		1	10/15/15 12:00	10/15/15 18:53	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	6.2	%	0.10	0.10	1		10/14/15 18:05		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	8.70	Std. Units	0.100	0.0100	1		10/15/15 15:30		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-3 (0-2)-101315 **Lab ID: 4012282004** Collected: 10/13/15 09:30 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Red. Interference Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.25	mg/kg	0.80	0.25	1	10/19/15 11:30	10/20/15 12:21	7440-36-0	
Arsenic	6.5	mg/kg	0.80	0.32	1	10/19/15 11:30	10/20/15 12:21	7440-38-2	
Barium	36.2	mg/kg	0.80	0.045	1	10/19/15 11:30	10/20/15 12:21	7440-39-3	
Beryllium	0.35	mg/kg	0.080	0.0092	1	10/19/15 11:30	10/20/15 12:21	7440-41-7	
Cadmium	0.36J	mg/kg	0.40	0.019	1	10/19/15 11:30	10/20/15 12:21	7440-43-9	
Calcium	74200	mg/kg	8.0	0.87	1	10/19/15 11:30	10/20/15 12:21	7440-70-2	
Chromium	12.3	mg/kg	0.40	0.050	1	10/19/15 11:30	10/20/15 12:21	7440-47-3	
Cobalt	5.1	mg/kg	0.40	0.036	1	10/19/15 11:30	10/20/15 12:21	7440-48-4	
Copper	13.9	mg/kg	0.80	0.18	1	10/19/15 11:30	10/20/15 12:21	7440-50-8	
Iron	14900	mg/kg	4.0	0.36	1	10/19/15 11:30	10/20/15 12:21	7439-89-6	
Lead	8.9	mg/kg	0.80	0.16	1	10/19/15 11:30	10/20/15 12:21	7439-92-1	
Magnesium	42300	mg/kg	4.0	0.70	1	10/19/15 11:30	10/20/15 12:21	7439-95-4	
Manganese	445	mg/kg	0.40	0.054	1	10/19/15 11:30	10/20/15 12:21	7439-96-5	
Nickel	12.7	mg/kg	0.40	0.068	1	10/19/15 11:30	10/20/15 12:21	7440-02-0	
Potassium	1360	mg/kg	400	40.1	10	10/19/15 11:30	10/20/15 14:41	7440-09-7	
Selenium	0.40J	mg/kg	1.2	0.36	1	10/19/15 11:30	10/20/15 12:21	7782-49-2	
Silver	<0.083	mg/kg	0.56	0.083	1	10/19/15 11:30	10/20/15 12:21	7440-22-4	
Sodium	1530	mg/kg	40.0	1.2	1	10/19/15 11:30	10/20/15 12:21	7440-23-5	
Thallium	<0.25	mg/kg	1.6	0.25	1	10/19/15 11:30	10/20/15 12:21	7440-28-0	
Vanadium	23.4	mg/kg	0.80	0.085	1	10/19/15 11:30	10/20/15 12:21	7440-62-2	
Zinc	37.5	mg/kg	8.0	0.45	1	10/19/15 11:30	10/20/15 12:21	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/22/15 00:00

Arsenic	0.0057J	mg/L	0.010	0.0045	1	10/23/15 15:50	10/26/15 14:02	7440-38-2	
Barium	0.028J	mg/L	0.10	0.00052	1	10/23/15 15:50	10/26/15 14:02	7440-39-3	B
Beryllium	<0.00017	mg/L	0.0010	0.00017	1	10/23/15 15:50	10/26/15 14:02	7440-41-7	
Cadmium	<0.00056	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 14:02	7440-43-9	
Chromium	0.0097	mg/L	0.0050	0.00096	1	10/29/15 14:00	10/30/15 11:56	7440-47-3	
Cobalt	0.0014J	mg/L	0.0050	0.00080	1	10/23/15 15:50	10/26/15 14:02	7440-48-4	B
Copper	0.011	mg/L	0.010	0.00083	1	10/29/15 14:00	10/30/15 11:56	7440-50-8	
Iron	3.9	mg/L	0.050	0.0090	1	10/23/15 15:50	10/26/15 14:02	7439-89-6	
Lead	0.0074	mg/L	0.0050	0.0019	1	10/29/15 14:00	10/30/15 11:56	7439-92-1	
Manganese	0.072	mg/L	0.0050	0.0024	1	10/29/15 14:00	10/30/15 11:56	7439-96-5	
Nickel	0.0057	mg/L	0.0050	0.00056	1	10/29/15 14:00	10/30/15 11:56	7440-02-0	B
Selenium	<0.0058	mg/L	0.015	0.0058	1	10/23/15 15:50	10/26/15 14:02	7782-49-2	
Silver	<0.0011	mg/L	0.0070	0.0011	1	10/23/15 15:50	10/26/15 14:02	7440-22-4	
Zinc	0.025J	mg/L	0.050	0.0026	1	10/29/15 14:00	10/30/15 11:56	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/22/15 00:00

Arsenic	0.0065J	mg/L	0.050	0.0045	1	10/23/15 15:50	10/26/15 11:55	7440-38-2	B
Barium	0.22J	mg/L	0.25	0.00052	1	10/23/15 15:50	10/26/15 11:55	7440-39-3	
Beryllium	<0.00017	mg/L	0.0050	0.00017	1	10/23/15 15:50	10/26/15 11:55	7440-41-7	
Cadmium	0.0016J	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 11:55	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-3 (0-2)-101315 **Lab ID: 4012282004** Collected: 10/13/15 09:30 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/22/15 00:00									
Chromium	0.0030J	mg/L	0.010	0.00096	1	10/23/15 15:50	10/26/15 11:55	7440-47-3	B
Cobalt	0.0028J	mg/L	0.010	0.00080	1	10/23/15 15:50	10/26/15 11:55	7440-48-4	
Copper	0.0078J	mg/L	0.020	0.00083	1	10/23/15 15:50	10/26/15 11:55	7440-50-8	B
Iron	0.031J	mg/L	0.10	0.0090	1	10/23/15 15:50	10/26/15 11:55	7439-89-6	B
Lead	<0.0019	mg/L	0.050	0.0019	1	10/23/15 15:50	10/26/15 11:55	7439-92-1	
Manganese	1.5	mg/L	0.010	0.0024	1	10/23/15 15:50	10/26/15 11:55	7439-96-5	
Nickel	0.013	mg/L	0.010	0.00056	1	10/23/15 15:50	10/26/15 11:55	7440-02-0	B
Selenium	0.010J	mg/L	0.050	0.0058	1	10/23/15 15:50	10/26/15 11:55	7782-49-2	
Silver	<0.0011	mg/L	0.010	0.0011	1	10/23/15 15:50	10/26/15 11:55	7440-22-4	
Zinc	0.048J	mg/L	0.25	0.0026	1	10/23/15 15:50	10/26/15 11:55	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/22/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/26/15 08:45	10/26/15 14:30	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/22/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/26/15 08:45	10/26/15 13:33	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.012J	mg/kg	0.045	0.0024	1	10/19/15 10:00	10/19/15 15:18	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<625	ug/kg	2080	625	10	10/16/15 09:58	10/19/15 18:37	83-32-9	
Acenaphthylene	<628	ug/kg	2090	628	10	10/16/15 09:58	10/19/15 18:37	208-96-8	
Anthracene	<282	ug/kg	938	282	10	10/16/15 09:58	10/19/15 18:37	120-12-7	
Benzo(a)anthracene	<273	ug/kg	909	273	10	10/16/15 09:58	10/19/15 18:37	56-55-3	
Benzo(a)pyrene	<265	ug/kg	883	265	10	10/16/15 09:58	10/19/15 18:37	50-32-8	
Benzo(b)fluoranthene	<303	ug/kg	1010	303	10	10/16/15 09:58	10/19/15 18:37	205-99-2	
Benzo(g,h,i)perylene	<461	ug/kg	1540	461	10	10/16/15 09:58	10/19/15 18:37	191-24-2	
Benzo(k)fluoranthene	<422	ug/kg	1410	422	10	10/16/15 09:58	10/19/15 18:37	207-08-9	
4-Bromophenylphenyl ether	<369	ug/kg	1230	369	10	10/16/15 09:58	10/19/15 18:37	101-55-3	
Butylbenzylphthalate	<282	ug/kg	942	282	10	10/16/15 09:58	10/19/15 18:37	85-68-7	
Carbazole	<276	ug/kg	919	276	10	10/16/15 09:58	10/19/15 18:37	86-74-8	
4-Chloro-3-methylphenol	<548	ug/kg	1830	548	10	10/16/15 09:58	10/19/15 18:37	59-50-7	
4-Chloroaniline	<289	ug/kg	965	289	10	10/16/15 09:58	10/19/15 18:37	106-47-8	
bis(2-Chloroethoxy)methane	<474	ug/kg	1580	474	10	10/16/15 09:58	10/19/15 18:37	111-91-1	
bis(2-Chloroethyl) ether	<550	ug/kg	1830	550	10	10/16/15 09:58	10/19/15 18:37	111-44-4	
2-Chloronaphthalene	<226	ug/kg	754	226	10	10/16/15 09:58	10/19/15 18:37	91-58-7	
2-Chlorophenol	<440	ug/kg	1470	440	10	10/16/15 09:58	10/19/15 18:37	95-57-8	
4-Chlorophenylphenyl ether	<328	ug/kg	1090	328	10	10/16/15 09:58	10/19/15 18:37	7005-72-3	
Chrysene	<263	ug/kg	878	263	10	10/16/15 09:58	10/19/15 18:37	218-01-9	
Dibenz(a,h)anthracene	<478	ug/kg	1590	478	10	10/16/15 09:58	10/19/15 18:37	53-70-3	
Dibenzofuran	<213	ug/kg	711	213	10	10/16/15 09:58	10/19/15 18:37	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Lab Project No.: 40122822

Sample: SR-3 (0-2)-101315 **Lab ID: 40122822004** Collected: 10/13/15 09:30 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<554	ug/kg	1850	554	10	10/16/15 09:58	10/19/15 18:37	95-50-1	
1,3-Dichlorobenzene	<244	ug/kg	813	244	10	10/16/15 09:58	10/19/15 18:37	541-73-1	
1,4-Dichlorobenzene	<245	ug/kg	818	245	10	10/16/15 09:58	10/19/15 18:37	106-46-7	
3,3'-Dichlorobenzidine	<478	ug/kg	1590	478	10	10/16/15 09:58	10/19/15 18:37	91-94-1	
2,4-Dichlorophenol	<471	ug/kg	1570	471	10	10/16/15 09:58	10/19/15 18:37	120-83-2	
Diethylphthalate	<292	ug/kg	974	292	10	10/16/15 09:58	10/19/15 18:37	84-66-2	
2,4-Dimethylphenol	<348	ug/kg	1160	348	10	10/16/15 09:58	10/19/15 18:37	105-67-9	
Dimethylphthalate	<229	ug/kg	764	229	10	10/16/15 09:58	10/19/15 18:37	131-11-3	
Di-n-butylphthalate	<263	ug/kg	878	263	10	10/16/15 09:58	10/19/15 18:37	84-74-2	
4,6-Dinitro-2-methylphenol	<543	ug/kg	1810	543	10	10/16/15 09:58	10/19/15 18:37	534-52-1	
2,4-Dinitrophenol	<537	ug/kg	1790	537	10	10/16/15 09:58	10/19/15 18:37	51-28-5	
2,4-Dinitrotoluene	<252	ug/kg	840	252	10	10/16/15 09:58	10/19/15 18:37	121-14-2	
2,6-Dinitrotoluene	<334	ug/kg	1110	334	10	10/16/15 09:58	10/19/15 18:37	606-20-2	
Di-n-octylphthalate	<396	ug/kg	1320	396	10	10/16/15 09:58	10/19/15 18:37	117-84-0	
bis(2-Ethylhexyl)phthalate	<293	ug/kg	976	293	10	10/16/15 09:58	10/19/15 18:37	117-81-7	
Fluoranthene	<249	ug/kg	831	249	10	10/16/15 09:58	10/19/15 18:37	206-44-0	
Fluorene	<206	ug/kg	686	206	10	10/16/15 09:58	10/19/15 18:37	86-73-7	
Hexachloro-1,3-butadiene	<449	ug/kg	1500	449	10	10/16/15 09:58	10/19/15 18:37	87-68-3	
Hexachlorobenzene	<296	ug/kg	988	296	10	10/16/15 09:58	10/19/15 18:37	118-74-1	
Hexachlorocyclopentadiene	<417	ug/kg	1390	417	10	10/16/15 09:58	10/19/15 18:37	77-47-4	
Hexachloroethane	<282	ug/kg	940	282	10	10/16/15 09:58	10/19/15 18:37	67-72-1	
Indeno(1,2,3-cd)pyrene	<381	ug/kg	1270	381	10	10/16/15 09:58	10/19/15 18:37	193-39-5	
Isophorone	<271	ug/kg	903	271	10	10/16/15 09:58	10/19/15 18:37	78-59-1	
2-Methylnaphthalene	<457	ug/kg	1520	457	10	10/16/15 09:58	10/19/15 18:37	91-57-6	
2-Methylphenol(o-Cresol)	<320	ug/kg	1070	320	10	10/16/15 09:58	10/19/15 18:37	95-48-7	
3&4-Methylphenol(m&p Cresol)	<323	ug/kg	1080	323	10	10/16/15 09:58	10/19/15 18:37		
Naphthalene	<616	ug/kg	2050	616	10	10/16/15 09:58	10/19/15 18:37	91-20-3	
2-Nitroaniline	<502	ug/kg	1670	502	10	10/16/15 09:58	10/19/15 18:37	88-74-4	
3-Nitroaniline	<300	ug/kg	999	300	10	10/16/15 09:58	10/19/15 18:37	99-09-2	
4-Nitroaniline	<731	ug/kg	2440	731	10	10/16/15 09:58	10/19/15 18:37	100-01-6	
Nitrobenzene	<357	ug/kg	1190	357	10	10/16/15 09:58	10/19/15 18:37	98-95-3	
2-Nitrophenol	<556	ug/kg	1850	556	10	10/16/15 09:58	10/19/15 18:37	88-75-5	
4-Nitrophenol	<444	ug/kg	1480	444	10	10/16/15 09:58	10/19/15 18:37	100-02-7	
N-Nitroso-di-n-propylamine	<279	ug/kg	931	279	10	10/16/15 09:58	10/19/15 18:37	621-64-7	
N-Nitrosodiphenylamine	<2390	ug/kg	7970	2390	10	10/16/15 09:58	10/19/15 18:37	86-30-6	
2,2'-Oxybis(1-chloropropane)	<454	ug/kg	1510	454	10	10/16/15 09:58	10/19/15 18:37	108-60-1	
Pentachlorophenol	<388	ug/kg	1290	388	10	10/16/15 09:58	10/19/15 18:37	87-86-5	
Phenanthrene	<226	ug/kg	753	226	10	10/16/15 09:58	10/19/15 18:37	85-01-8	
Phenol	<418	ug/kg	1390	418	10	10/16/15 09:58	10/19/15 18:37	108-95-2	D3
Pyrene	<390	ug/kg	1300	390	10	10/16/15 09:58	10/19/15 18:37	129-00-0	
1,2,4-Trichlorobenzene	<199	ug/kg	664	199	10	10/16/15 09:58	10/19/15 18:37	120-82-1	
2,4,5-Trichlorophenol	<311	ug/kg	1040	311	10	10/16/15 09:58	10/19/15 18:37	95-95-4	
2,4,6-Trichlorophenol	<269	ug/kg	895	269	10	10/16/15 09:58	10/19/15 18:37	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	53	%	45-130		10	10/16/15 09:58	10/19/15 18:37	4165-60-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-3 (0-2)-101315 **Lab ID: 40122822004** Collected: 10/13/15 09:30 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	72	%	51-130		10	10/16/15 09:58	10/19/15 18:37	321-60-8	
Terphenyl-d14 (S)	136	%	37-134		10	10/16/15 09:58	10/19/15 18:37	1718-51-0	S3
Phenol-d6 (S)	53	%	36-130		10	10/16/15 09:58	10/19/15 18:37	13127-88-3	
2-Fluorophenol (S)	40	%	37-130		10	10/16/15 09:58	10/19/15 18:37	367-12-4	
2,4,6-Tribromophenol (S)	99	%	30-130		10	10/16/15 09:58	10/19/15 18:37	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.5	ug/kg	14.4	4.5	1	10/15/15 12:00	10/15/15 19:15	67-64-1	2q
Benzene	<1.2	ug/kg	3.6	1.2	1	10/15/15 12:00	10/15/15 19:15	71-43-2	
Bromodichloromethane	<0.79	ug/kg	3.6	0.79	1	10/15/15 12:00	10/15/15 19:15	75-27-4	
Bromoform	<0.61	ug/kg	3.6	0.61	1	10/15/15 12:00	10/15/15 19:15	75-25-2	
Bromomethane	<1.1	ug/kg	7.2	1.1	1	10/15/15 12:00	10/15/15 19:15	74-83-9	
2-Butanone (MEK)	<2.1	ug/kg	14.4	2.1	1	10/15/15 12:00	10/15/15 19:15	78-93-3	
Carbon disulfide	<0.93	ug/kg	3.6	0.93	1	10/15/15 12:00	10/15/15 19:15	75-15-0	
Carbon tetrachloride	<1.1	ug/kg	3.6	1.1	1	10/15/15 12:00	10/15/15 19:15	56-23-5	
Chlorobenzene	<1.1	ug/kg	3.6	1.1	1	10/15/15 12:00	10/15/15 19:15	108-90-7	
Chloroethane	<1.5	ug/kg	3.6	1.5	1	10/15/15 12:00	10/15/15 19:15	75-00-3	
Chloroform	<0.68	ug/kg	3.6	0.68	1	10/15/15 12:00	10/15/15 19:15	67-66-3	
Chloromethane	<0.41	ug/kg	3.6	0.41	1	10/15/15 12:00	10/15/15 19:15	74-87-3	
Dibromochloromethane	<1.2	ug/kg	3.6	1.2	1	10/15/15 12:00	10/15/15 19:15	124-48-1	
1,1-Dichloroethane	<1.7	ug/kg	3.6	1.7	1	10/15/15 12:00	10/15/15 19:15	75-34-3	
1,2-Dichloroethane	<0.71	ug/kg	3.6	0.71	1	10/15/15 12:00	10/15/15 19:15	107-06-2	
1,1-Dichloroethene	<1.6	ug/kg	3.6	1.6	1	10/15/15 12:00	10/15/15 19:15	75-35-4	
cis-1,2-Dichloroethene	<0.96	ug/kg	3.6	0.96	1	10/15/15 12:00	10/15/15 19:15	156-59-2	
trans-1,2-Dichloroethene	<0.89	ug/kg	3.6	0.89	1	10/15/15 12:00	10/15/15 19:15	156-60-5	
1,2-Dichloropropane	<0.91	ug/kg	3.6	0.91	1	10/15/15 12:00	10/15/15 19:15	78-87-5	
cis-1,3-Dichloropropene	<0.48	ug/kg	3.6	0.48	1	10/15/15 12:00	10/15/15 19:15	10061-01-5	
trans-1,3-Dichloropropene	<0.67	ug/kg	3.6	0.67	1	10/15/15 12:00	10/15/15 19:15	10061-02-6	
Ethylbenzene	<1.0	ug/kg	3.6	1.0	1	10/15/15 12:00	10/15/15 19:15	100-41-4	
2-Hexanone	<1.1	ug/kg	3.6	1.1	1	10/15/15 12:00	10/15/15 19:15	591-78-6	
Methylene Chloride	<1.3	ug/kg	3.6	1.3	1	10/15/15 12:00	10/15/15 19:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.89	ug/kg	3.6	0.89	1	10/15/15 12:00	10/15/15 19:15	108-10-1	
Methyl-tert-butyl ether	<0.72	ug/kg	3.6	0.72	1	10/15/15 12:00	10/15/15 19:15	1634-04-4	
Styrene	<0.55	ug/kg	3.6	0.55	1	10/15/15 12:00	10/15/15 19:15	100-42-5	
1,1,2,2-Tetrachloroethane	<1.5	ug/kg	3.6	1.5	1	10/15/15 12:00	10/15/15 19:15	79-34-5	
Tetrachloroethene	<1.1	ug/kg	3.6	1.1	1	10/15/15 12:00	10/15/15 19:15	127-18-4	
Toluene	<1.1	ug/kg	3.6	1.1	1	10/15/15 12:00	10/15/15 19:15	108-88-3	
1,1,1-Trichloroethane	<1.1	ug/kg	3.6	1.1	1	10/15/15 12:00	10/15/15 19:15	71-55-6	
1,1,2-Trichloroethane	<1.4	ug/kg	3.6	1.4	1	10/15/15 12:00	10/15/15 19:15	79-00-5	
Trichloroethene	<1.4	ug/kg	3.6	1.4	1	10/15/15 12:00	10/15/15 19:15	79-01-6	
Vinyl chloride	<0.39	ug/kg	3.6	0.39	1	10/15/15 12:00	10/15/15 19:15	75-01-4	
Xylene (Total)	<3.2	ug/kg	10.8	3.2	1	10/15/15 12:00	10/15/15 19:15	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	102	%	70-130		1	10/15/15 12:00	10/15/15 19:15	1868-53-7	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-3 (0-2)-101315 **Lab ID: 40122822004** Collected: 10/13/15 09:30 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	106	%	67-138		1	10/15/15 12:00	10/15/15 19:15	2037-26-5	
4-Bromofluorobenzene (S)	94	%	68-130		1	10/15/15 12:00	10/15/15 19:15	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	5.2	%	0.10	0.10	1		10/14/15 18:05		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	8.73	Std. Units	0.100	0.0100	1		10/15/15 15:30		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-4 (0-2)-101315 Lab ID: 40122822005 Collected: 10/13/15 09:40 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Red. Interference Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.34	mg/kg	1.1	0.34	1	10/19/15 11:30	10/20/15 12:24	7440-36-0	
Arsenic	6.5	mg/kg	1.1	0.43	1	10/19/15 11:30	10/20/15 12:24	7440-38-2	
Barium	247	mg/kg	1.1	0.062	1	10/19/15 11:30	10/20/15 12:24	7440-39-3	
Beryllium	0.52	mg/kg	0.11	0.013	1	10/19/15 11:30	10/20/15 12:24	7440-41-7	
Cadmium	0.37J	mg/kg	0.55	0.026	1	10/19/15 11:30	10/20/15 12:24	7440-43-9	
Calcium	49300	mg/kg	11.0	1.2	1	10/19/15 11:30	10/20/15 12:24	7440-70-2	
Chromium	13.6	mg/kg	0.55	0.068	1	10/19/15 11:30	10/20/15 12:24	7440-47-3	
Cobalt	6.7	mg/kg	0.55	0.050	1	10/19/15 11:30	10/20/15 12:24	7440-48-4	
Copper	17.8	mg/kg	1.1	0.24	1	10/19/15 11:30	10/20/15 12:24	7440-50-8	
Iron	14700	mg/kg	5.5	0.49	1	10/19/15 11:30	10/20/15 12:24	7439-89-6	
Lead	18.2	mg/kg	1.1	0.22	1	10/19/15 11:30	10/20/15 12:24	7439-92-1	
Magnesium	27700	mg/kg	5.5	0.96	1	10/19/15 11:30	10/20/15 12:24	7439-95-4	
Manganese	519	mg/kg	0.55	0.074	1	10/19/15 11:30	10/20/15 12:24	7439-96-5	
Nickel	13.7	mg/kg	0.55	0.093	1	10/19/15 11:30	10/20/15 12:24	7440-02-0	
Potassium	1670	mg/kg	548	54.9	10	10/19/15 11:30	10/20/15 14:44	7440-09-7	
Selenium	<0.50	mg/kg	1.6	0.50	1	10/19/15 11:30	10/20/15 12:24	7782-49-2	
Silver	<0.11	mg/kg	0.77	0.11	1	10/19/15 11:30	10/20/15 12:24	7440-22-4	
Sodium	3110	mg/kg	54.8	1.7	1	10/19/15 11:30	10/20/15 12:24	7440-23-5	
Thallium	<0.34	mg/kg	2.2	0.34	1	10/19/15 11:30	10/20/15 12:24	7440-28-0	
Vanadium	25.8	mg/kg	1.1	0.12	1	10/19/15 11:30	10/20/15 12:24	7440-62-2	
Zinc	42.0	mg/kg	11.0	0.62	1	10/19/15 11:30	10/20/15 12:24	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/22/15 00:00

Arsenic	0.011	mg/L	0.010	0.0045	1	10/23/15 15:50	10/26/15 14:06	7440-38-2	
Barium	0.067J	mg/L	0.10	0.00052	1	10/23/15 15:50	10/26/15 14:06	7440-39-3	B
Beryllium	0.00045J	mg/L	0.0010	0.00017	1	10/23/15 15:50	10/26/15 14:06	7440-41-7	
Cadmium	0.00076J	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 14:06	7440-43-9	B
Chromium	0.016	mg/L	0.0050	0.00096	1	10/29/15 14:00	10/30/15 11:58	7440-47-3	
Cobalt	0.0049J	mg/L	0.0050	0.00080	1	10/23/15 15:50	10/26/15 14:06	7440-48-4	B
Copper	0.020	mg/L	0.010	0.00083	1	10/29/15 14:00	10/30/15 11:58	7440-50-8	
Iron	12.1	mg/L	0.050	0.0090	1	10/23/15 15:50	10/26/15 14:06	7439-89-6	
Lead	0.017	mg/L	0.0050	0.0019	1	10/29/15 14:00	10/30/15 11:58	7439-92-1	
Manganese	0.14	mg/L	0.0050	0.0024	1	10/23/15 15:50	10/26/15 14:06	7439-96-5	
Nickel	0.0089	mg/L	0.0050	0.00056	1	10/29/15 14:00	10/30/15 11:58	7440-02-0	
Selenium	<0.0058	mg/L	0.015	0.0058	1	10/23/15 15:50	10/26/15 14:06	7782-49-2	
Silver	<0.0011	mg/L	0.0070	0.0011	1	10/23/15 15:50	10/26/15 14:06	7440-22-4	
Zinc	0.043J	mg/L	0.050	0.0026	1	10/29/15 14:00	10/30/15 11:58	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/22/15 00:00

Arsenic	0.0064J	mg/L	0.050	0.0045	1	10/23/15 15:50	10/26/15 11:58	7440-38-2	B
Barium	0.33	mg/L	0.25	0.00052	1	10/23/15 15:50	10/26/15 11:58	7440-39-3	
Beryllium	<0.00017	mg/L	0.0050	0.00017	1	10/23/15 15:50	10/26/15 11:58	7440-41-7	
Cadmium	0.0017J	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 11:58	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-4 (0-2)-101315 Lab ID: 40122822005 Collected: 10/13/15 09:40 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/22/15 00:00									
Chromium	0.0032J	mg/L	0.010	0.00096	1	10/23/15 15:50	10/26/15 11:58	7440-47-3	B
Cobalt	<0.00080	mg/L	0.010	0.00080	1	10/23/15 15:50	10/26/15 11:58	7440-48-4	
Copper	0.016J	mg/L	0.020	0.00083	1	10/23/15 15:50	10/26/15 11:58	7440-50-8	B
Iron	0.059J	mg/L	0.10	0.0090	1	10/23/15 15:50	10/26/15 11:58	7439-89-6	B
Lead	<0.0019	mg/L	0.050	0.0019	1	10/23/15 15:50	10/26/15 11:58	7439-92-1	
Manganese	1.1	mg/L	0.010	0.0024	1	10/23/15 15:50	10/26/15 11:58	7439-96-5	
Nickel	0.011	mg/L	0.010	0.00056	1	10/23/15 15:50	10/26/15 11:58	7440-02-0	B
Selenium	0.0074J	mg/L	0.050	0.0058	1	10/23/15 15:50	10/26/15 11:58	7782-49-2	
Silver	<0.0011	mg/L	0.010	0.0011	1	10/23/15 15:50	10/26/15 11:58	7440-22-4	
Zinc	0.055J	mg/L	0.25	0.0026	1	10/23/15 15:50	10/26/15 11:58	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/22/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/26/15 08:45	10/26/15 14:33	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/22/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/26/15 08:45	10/26/15 13:35	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.035J	mg/kg	0.037	0.0019	1	10/19/15 10:00	10/19/15 15:20	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<70.0	ug/kg	233	70.0	1	10/16/15 09:58	10/19/15 13:10	83-32-9	
Acenaphthylene	<70.4	ug/kg	235	70.4	1	10/16/15 09:58	10/19/15 13:10	208-96-8	
Anthracene	<31.6	ug/kg	105	31.6	1	10/16/15 09:58	10/19/15 13:10	120-12-7	
Benzo(a)anthracene	<30.6	ug/kg	102	30.6	1	10/16/15 09:58	10/19/15 13:10	56-55-3	
Benzo(a)pyrene	<29.7	ug/kg	99.0	29.7	1	10/16/15 09:58	10/19/15 13:10	50-32-8	
Benzo(b)fluoranthene	<33.9	ug/kg	113	33.9	1	10/16/15 09:58	10/19/15 13:10	205-99-2	
Benzo(g,h,i)perylene	<51.7	ug/kg	172	51.7	1	10/16/15 09:58	10/19/15 13:10	191-24-2	
Benzo(k)fluoranthene	<47.3	ug/kg	158	47.3	1	10/16/15 09:58	10/19/15 13:10	207-08-9	
4-Bromophenylphenyl ether	<41.4	ug/kg	138	41.4	1	10/16/15 09:58	10/19/15 13:10	101-55-3	
Butylbenzylphthalate	<31.7	ug/kg	106	31.7	1	10/16/15 09:58	10/19/15 13:10	85-68-7	
Carbazole	<30.9	ug/kg	103	30.9	1	10/16/15 09:58	10/19/15 13:10	86-74-8	
4-Chloro-3-methylphenol	<61.4	ug/kg	205	61.4	1	10/16/15 09:58	10/19/15 13:10	59-50-7	
4-Chloroaniline	<32.5	ug/kg	108	32.5	1	10/16/15 09:58	10/19/15 13:10	106-47-8	
bis(2-Chloroethoxy)methane	<53.2	ug/kg	177	53.2	1	10/16/15 09:58	10/19/15 13:10	111-91-1	
bis(2-Chloroethyl) ether	<61.6	ug/kg	205	61.6	1	10/16/15 09:58	10/19/15 13:10	111-44-4	
2-Chloronaphthalene	<25.4	ug/kg	84.5	25.4	1	10/16/15 09:58	10/19/15 13:10	91-58-7	
2-Chlorophenol	<49.3	ug/kg	164	49.3	1	10/16/15 09:58	10/19/15 13:10	95-57-8	
4-Chlorophenylphenyl ether	<36.8	ug/kg	123	36.8	1	10/16/15 09:58	10/19/15 13:10	7005-72-3	
Chrysene	<29.5	ug/kg	98.4	29.5	1	10/16/15 09:58	10/19/15 13:10	218-01-9	
Dibenz(a,h)anthracene	<53.6	ug/kg	179	53.6	1	10/16/15 09:58	10/19/15 13:10	53-70-3	
Dibenzofuran	<23.9	ug/kg	79.7	23.9	1	10/16/15 09:58	10/19/15 13:10	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122822

Sample: SR-4 (0-2)-101315 Lab ID: 40122822005 Collected: 10/13/15 09:40 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<62.1	ug/kg	207	62.1	1	10/16/15 09:58	10/19/15 13:10	95-50-1	
1,3-Dichlorobenzene	<27.3	ug/kg	91.1	27.3	1	10/16/15 09:58	10/19/15 13:10	541-73-1	
1,4-Dichlorobenzene	<27.5	ug/kg	91.7	27.5	1	10/16/15 09:58	10/19/15 13:10	106-46-7	
3,3'-Dichlorobenzidine	<53.6	ug/kg	179	53.6	1	10/16/15 09:58	10/19/15 13:10	91-94-1	
2,4-Dichlorophenol	<52.8	ug/kg	176	52.8	1	10/16/15 09:58	10/19/15 13:10	120-83-2	
Diethylphthalate	<32.7	ug/kg	109	32.7	1	10/16/15 09:58	10/19/15 13:10	84-66-2	
2,4-Dimethylphenol	<39.0	ug/kg	130	39.0	1	10/16/15 09:58	10/19/15 13:10	105-67-9	
Dimethylphthalate	<25.7	ug/kg	85.6	25.7	1	10/16/15 09:58	10/19/15 13:10	131-11-3	
Di-n-butylphthalate	<29.5	ug/kg	98.4	29.5	1	10/16/15 09:58	10/19/15 13:10	84-74-2	
4,6-Dinitro-2-methylphenol	<60.9	ug/kg	203	60.9	1	10/16/15 09:58	10/19/15 13:10	534-52-1	
2,4-Dinitrophenol	<60.2	ug/kg	201	60.2	1	10/16/15 09:58	10/19/15 13:10	51-28-5	
2,4-Dinitrotoluene	<28.2	ug/kg	94.1	28.2	1	10/16/15 09:58	10/19/15 13:10	121-14-2	
2,6-Dinitrotoluene	<37.5	ug/kg	125	37.5	1	10/16/15 09:58	10/19/15 13:10	606-20-2	
Di-n-octylphthalate	<44.4	ug/kg	148	44.4	1	10/16/15 09:58	10/19/15 13:10	117-84-0	
bis(2-Ethylhexyl)phthalate	<32.8	ug/kg	109	32.8	1	10/16/15 09:58	10/19/15 13:10	117-81-7	
Fluoranthene	<27.9	ug/kg	93.1	27.9	1	10/16/15 09:58	10/19/15 13:10	206-44-0	
Fluorene	<23.1	ug/kg	76.9	23.1	1	10/16/15 09:58	10/19/15 13:10	86-73-7	
Hexachloro-1,3-butadiene	<50.3	ug/kg	168	50.3	1	10/16/15 09:58	10/19/15 13:10	87-68-3	
Hexachlorobenzene	<33.2	ug/kg	111	33.2	1	10/16/15 09:58	10/19/15 13:10	118-74-1	
Hexachlorocyclopentadiene	<46.7	ug/kg	156	46.7	1	10/16/15 09:58	10/19/15 13:10	77-47-4	
Hexachloroethane	<31.6	ug/kg	105	31.6	1	10/16/15 09:58	10/19/15 13:10	67-72-1	
Indeno(1,2,3-cd)pyrene	<42.7	ug/kg	142	42.7	1	10/16/15 09:58	10/19/15 13:10	193-39-5	
Isophorone	<30.4	ug/kg	101	30.4	1	10/16/15 09:58	10/19/15 13:10	78-59-1	
2-Methylnaphthalene	<51.3	ug/kg	171	51.3	1	10/16/15 09:58	10/19/15 13:10	91-57-6	
2-Methylphenol(o-Cresol)	<35.9	ug/kg	120	35.9	1	10/16/15 09:58	10/19/15 13:10	95-48-7	
3&4-Methylphenol(m&p Cresol)	<36.2	ug/kg	121	36.2	1	10/16/15 09:58	10/19/15 13:10		
Naphthalene	<69.0	ug/kg	230	69.0	1	10/16/15 09:58	10/19/15 13:10	91-20-3	
2-Nitroaniline	<56.3	ug/kg	188	56.3	1	10/16/15 09:58	10/19/15 13:10	88-74-4	
3-Nitroaniline	<33.6	ug/kg	112	33.6	1	10/16/15 09:58	10/19/15 13:10	99-09-2	
4-Nitroaniline	<82.0	ug/kg	273	82.0	1	10/16/15 09:58	10/19/15 13:10	100-01-6	
Nitrobenzene	<40.0	ug/kg	133	40.0	1	10/16/15 09:58	10/19/15 13:10	98-95-3	
2-Nitrophenol	<62.3	ug/kg	208	62.3	1	10/16/15 09:58	10/19/15 13:10	88-75-5	
4-Nitrophenol	<49.7	ug/kg	166	49.7	1	10/16/15 09:58	10/19/15 13:10	100-02-7	
N-Nitroso-di-n-propylamine	<31.3	ug/kg	104	31.3	1	10/16/15 09:58	10/19/15 13:10	621-64-7	
N-Nitrosodiphenylamine	<268	ug/kg	893	268	1	10/16/15 09:58	10/19/15 13:10	86-30-6	
2,2'-Oxybis(1-chloropropane)	<50.9	ug/kg	170	50.9	1	10/16/15 09:58	10/19/15 13:10	108-60-1	
Pentachlorophenol	<43.5	ug/kg	145	43.5	1	10/16/15 09:58	10/19/15 13:10	87-86-5	
Phenanthrene	<25.3	ug/kg	84.4	25.3	1	10/16/15 09:58	10/19/15 13:10	85-01-8	
Phenol	<46.9	ug/kg	156	46.9	1	10/16/15 09:58	10/19/15 13:10	108-95-2	
Pyrene	<43.8	ug/kg	146	43.8	1	10/16/15 09:58	10/19/15 13:10	129-00-0	
1,2,4-Trichlorobenzene	<22.3	ug/kg	74.4	22.3	1	10/16/15 09:58	10/19/15 13:10	120-82-1	
2,4,5-Trichlorophenol	<34.9	ug/kg	116	34.9	1	10/16/15 09:58	10/19/15 13:10	95-95-4	
2,4,6-Trichlorophenol	<30.1	ug/kg	100	30.1	1	10/16/15 09:58	10/19/15 13:10	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	76	%	45-130		1	10/16/15 09:58	10/19/15 13:10	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-4 (0-2)-101315 Lab ID: 40122822005 Collected: 10/13/15 09:40 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	84	%	51-130		1	10/16/15 09:58	10/19/15 13:10	321-60-8	
Terphenyl-d14 (S)	96	%	37-134		1	10/16/15 09:58	10/19/15 13:10	1718-51-0	
Phenol-d6 (S)	73	%	36-130		1	10/16/15 09:58	10/19/15 13:10	13127-88-3	
2-Fluorophenol (S)	71	%	37-130		1	10/16/15 09:58	10/19/15 13:10	367-12-4	
2,4,6-Tribromophenol (S)	78	%	30-130		1	10/16/15 09:58	10/19/15 13:10	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<5.3	ug/kg	17.1	5.3	1	10/15/15 12:00	10/15/15 19:38	67-64-1	2q
Benzene	<1.4	ug/kg	4.3	1.4	1	10/15/15 12:00	10/15/15 19:38	71-43-2	
Bromodichloromethane	<0.94	ug/kg	4.3	0.94	1	10/15/15 12:00	10/15/15 19:38	75-27-4	
Bromoform	<0.72	ug/kg	4.3	0.72	1	10/15/15 12:00	10/15/15 19:38	75-25-2	
Bromomethane	<1.3	ug/kg	8.5	1.3	1	10/15/15 12:00	10/15/15 19:38	74-83-9	
2-Butanone (MEK)	<2.4	ug/kg	17.1	2.4	1	10/15/15 12:00	10/15/15 19:38	78-93-3	
Carbon disulfide	<1.1	ug/kg	4.3	1.1	1	10/15/15 12:00	10/15/15 19:38	75-15-0	
Carbon tetrachloride	<1.4	ug/kg	4.3	1.4	1	10/15/15 12:00	10/15/15 19:38	56-23-5	
Chlorobenzene	<1.4	ug/kg	4.3	1.4	1	10/15/15 12:00	10/15/15 19:38	108-90-7	
Chloroethane	<1.7	ug/kg	4.3	1.7	1	10/15/15 12:00	10/15/15 19:38	75-00-3	
Chloroform	<0.81	ug/kg	4.3	0.81	1	10/15/15 12:00	10/15/15 19:38	67-66-3	
Chloromethane	<0.48	ug/kg	4.3	0.48	1	10/15/15 12:00	10/15/15 19:38	74-87-3	
Dibromochloromethane	<1.5	ug/kg	4.3	1.5	1	10/15/15 12:00	10/15/15 19:38	124-48-1	
1,1-Dichloroethane	<2.0	ug/kg	4.3	2.0	1	10/15/15 12:00	10/15/15 19:38	75-34-3	
1,2-Dichloroethane	<0.84	ug/kg	4.3	0.84	1	10/15/15 12:00	10/15/15 19:38	107-06-2	
1,1-Dichloroethene	<1.9	ug/kg	4.3	1.9	1	10/15/15 12:00	10/15/15 19:38	75-35-4	
cis-1,2-Dichloroethene	<1.1	ug/kg	4.3	1.1	1	10/15/15 12:00	10/15/15 19:38	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/kg	4.3	1.1	1	10/15/15 12:00	10/15/15 19:38	156-60-5	
1,2-Dichloropropane	<1.1	ug/kg	4.3	1.1	1	10/15/15 12:00	10/15/15 19:38	78-87-5	
cis-1,3-Dichloropropene	<0.57	ug/kg	4.3	0.57	1	10/15/15 12:00	10/15/15 19:38	10061-01-5	
trans-1,3-Dichloropropene	<0.79	ug/kg	4.3	0.79	1	10/15/15 12:00	10/15/15 19:38	10061-02-6	
Ethylbenzene	<1.2	ug/kg	4.3	1.2	1	10/15/15 12:00	10/15/15 19:38	100-41-4	
2-Hexanone	<1.3	ug/kg	4.3	1.3	1	10/15/15 12:00	10/15/15 19:38	591-78-6	
Methylene Chloride	<1.6	ug/kg	4.3	1.6	1	10/15/15 12:00	10/15/15 19:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	<1.0	ug/kg	4.3	1.0	1	10/15/15 12:00	10/15/15 19:38	108-10-1	
Methyl-tert-butyl ether	<0.86	ug/kg	4.3	0.86	1	10/15/15 12:00	10/15/15 19:38	1634-04-4	
Styrene	<0.65	ug/kg	4.3	0.65	1	10/15/15 12:00	10/15/15 19:38	100-42-5	
1,1,2,2-Tetrachloroethane	<1.8	ug/kg	4.3	1.8	1	10/15/15 12:00	10/15/15 19:38	79-34-5	
Tetrachloroethene	<1.3	ug/kg	4.3	1.3	1	10/15/15 12:00	10/15/15 19:38	127-18-4	
Toluene	<1.3	ug/kg	4.3	1.3	1	10/15/15 12:00	10/15/15 19:38	108-88-3	
1,1,1-Trichloroethane	<1.3	ug/kg	4.3	1.3	1	10/15/15 12:00	10/15/15 19:38	71-55-6	
1,1,2-Trichloroethane	<1.6	ug/kg	4.3	1.6	1	10/15/15 12:00	10/15/15 19:38	79-00-5	
Trichloroethene	<1.6	ug/kg	4.3	1.6	1	10/15/15 12:00	10/15/15 19:38	79-01-6	
Vinyl chloride	<0.47	ug/kg	4.3	0.47	1	10/15/15 12:00	10/15/15 19:38	75-01-4	
Xylene (Total)	<3.8	ug/kg	12.8	3.8	1	10/15/15 12:00	10/15/15 19:38	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	108	%	70-130		1	10/15/15 12:00	10/15/15 19:38	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-4 (0-2)-101315 **Lab ID: 40122822005** Collected: 10/13/15 09:40 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	102	%	67-138		1	10/15/15 12:00	10/15/15 19:38	2037-26-5	
4-Bromofluorobenzene (S)	95	%	68-130		1	10/15/15 12:00	10/15/15 19:38	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	15.5	%	0.10	0.10	1		10/14/15 18:05		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	7.78	Std. Units	0.100	0.0100	1		10/15/15 15:30		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-5 (0-2)-101315 Lab ID: 40122822006 Collected: 10/13/15 10:00 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.11	mg/kg	3.4	0.11	1	10/19/15 08:23	10/21/15 16:23	7440-36-0	
Arsenic	6.5	mg/kg	1.1	0.31	1	10/19/15 08:23	10/21/15 16:23	7440-38-2	
Barium	37.7	mg/kg	22.5	0.29	1	10/19/15 08:23	10/21/15 16:23	7440-39-3	
Beryllium	0.24J	mg/kg	0.56	0.089	1	10/19/15 08:23	10/21/15 16:23	7440-41-7	
Cadmium	0.13J	mg/kg	0.56	0.072	1	10/19/15 08:23	10/21/15 16:23	7440-43-9	
Calcium	56000	mg/kg	113	3.0	1	10/19/15 08:23	10/21/15 16:23	7440-70-2	
Chromium	10.7	mg/kg	1.1	0.34	1	10/19/15 08:23	10/21/15 16:23	7440-47-3	
Cobalt	6.0	mg/kg	1.1	0.15	1	10/19/15 08:23	10/21/15 16:23	7440-48-4	
Copper	15.4	mg/kg	1.1	0.41	1	10/19/15 08:23	10/21/15 16:23	7440-50-8	
Iron	13800	mg/kg	5.6	0.87	1	10/19/15 08:23	10/21/15 16:23	7439-89-6	
Lead	15.0	mg/kg	0.56	0.31	1	10/19/15 08:23	10/21/15 16:23	7439-92-1	
Magnesium	32300	mg/kg	113	3.2	1	10/19/15 08:23	10/21/15 16:23	7439-95-4	
Manganese	385	mg/kg	1.1	0.21	1	10/19/15 08:23	10/21/15 16:23	7439-96-5	
Nickel	12.0	mg/kg	4.5	1.2	1	10/19/15 08:23	10/21/15 16:23	7440-02-0	
Potassium	821	mg/kg	113	3.5	1	10/19/15 08:23	10/21/15 16:23	7440-09-7	
Selenium	0.61J	mg/kg	2.3	0.23	1	10/19/15 08:23	10/21/15 16:23	7782-49-2	
Silver	<0.080	mg/kg	1.1	0.080	1	10/19/15 08:23	10/21/15 16:23	7440-22-4	
Sodium	1230	mg/kg	113	18.9	1	10/19/15 08:23	10/21/15 16:23	7440-23-5	
Thallium	<0.17	mg/kg	0.56	0.17	1	10/19/15 08:23	10/21/15 16:23	7440-28-0	
Vanadium	18.8	mg/kg	5.6	0.35	1	10/19/15 08:23	10/21/15 16:23	7440-62-2	
Zinc	34.4	mg/kg	2.3	0.52	1	10/19/15 08:23	10/21/15 16:23	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/18/15 11:00

Arsenic	0.017	mg/L	0.010	0.0026	1	10/20/15 07:44	10/21/15 11:26	7440-38-2	
Barium	0.19J	mg/L	0.20	0.0037	1	10/20/15 07:44	10/21/15 11:26	7440-39-3	
Beryllium	0.0010J	mg/L	0.0050	0.00025	1	10/20/15 07:44	10/21/15 11:26	7440-41-7	
Cadmium	0.00052J	mg/L	0.0050	0.00027	1	10/20/15 07:44	10/21/15 11:26	7440-43-9	
Chromium	0.036	mg/L	0.010	0.0018	1	10/20/15 07:44	10/21/15 11:26	7440-47-3	
Cobalt	0.013	mg/L	0.010	0.00050	1	10/20/15 07:44	10/21/15 11:26	7440-48-4	
Copper	0.042	mg/L	0.010	0.0024	1	10/20/15 07:44	10/21/15 11:26	7440-50-8	
Iron	44.0	mg/L	0.050	0.0073	1	10/20/15 07:44	10/21/15 11:26	7439-89-6	
Lead	0.045	mg/L	0.0050	0.00084	1	10/20/15 07:44	10/21/15 11:26	7439-92-1	
Manganese	0.65	mg/L	0.010	0.00065	1	10/20/15 07:44	10/21/15 11:26	7439-96-5	
Nickel	0.035J	mg/L	0.040	0.00041	1	10/20/15 07:44	10/21/15 11:26	7440-02-0	
Selenium	<0.0024	mg/L	0.020	0.0024	1	10/20/15 07:44	10/21/15 11:26	7782-49-2	
Silver	<0.00032	mg/L	0.010	0.00032	1	10/20/15 07:44	10/21/15 11:26	7440-22-4	
Zinc	0.13	mg/L	0.020	0.00076	1	10/20/15 07:44	10/21/15 11:26	7440-66-6	

6010 Metals, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/21/15 17:00

Arsenic	<0.0053	mg/L	0.20	0.0053	1	10/22/15 12:12	10/22/15 16:02	7440-38-2	
Barium	0.33J	mg/L	2.0	0.0010	1	10/22/15 12:12	10/22/15 16:02	7440-39-3	B
Beryllium	<0.00050	mg/L	0.20	0.00050	1	10/22/15 12:12	10/22/15 16:02	7440-41-7	
Cadmium	<0.00054	mg/L	0.10	0.00054	1	10/22/15 12:12	10/22/15 16:02	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: **SR-5 (0-2)-101315** Lab ID: **40122822006** Collected: 10/13/15 10:00 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Chromium	<0.0037	mg/L	0.20	0.0037	1	10/22/15 12:12	10/22/15 16:02	7440-47-3	
Cobalt	<0.0010	mg/L	0.20	0.0010	1	10/22/15 12:12	10/22/15 16:02	7440-48-4	
Copper	0.012J	mg/L	0.20	0.0048	1	10/22/15 12:12	10/22/15 16:02	7440-50-8	B
Iron	<0.015	mg/L	1.0	0.015	1	10/22/15 12:12	10/22/15 16:02	7439-89-6	
Lead	0.014J	mg/L	0.20	0.0017	1	10/22/15 12:12	10/22/15 16:02	7439-92-1	M1
Manganese	0.088J	mg/L	0.13	0.0013	1	10/22/15 12:12	10/22/15 16:02	7439-96-5	B
Nickel	0.0031J	mg/L	0.20	0.00082	1	10/22/15 12:12	10/22/15 16:02	7440-02-0	
Selenium	0.0083J	mg/L	0.20	0.0049	1	10/22/15 12:12	10/22/15 16:02	7782-49-2	
Silver	<0.00065	mg/L	0.20	0.00065	1	10/22/15 12:12	10/22/15 16:02	7440-22-4	
Zinc	0.084J	mg/L	0.20	0.0015	1	10/22/15 12:12	10/22/15 16:02	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/18/15 11:00									
Mercury	0.000080J	mg/L	0.00020	0.000024	1	10/20/15 07:58	10/21/15 10:31	7439-97-6	B
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Mercury	<0.000024	mg/L	0.00020	0.000024	1	10/22/15 12:12	10/22/15 15:39	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.026	mg/kg	0.023	0.011	1	10/19/15 09:47	10/20/15 15:20	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<66.7	ug/kg	222	66.7	1	10/16/15 09:58	10/19/15 18:36	83-32-9	
Acenaphthylene	<67.1	ug/kg	224	67.1	1	10/16/15 09:58	10/19/15 18:36	208-96-8	
Anthracene	<30.1	ug/kg	100	30.1	1	10/16/15 09:58	10/19/15 18:36	120-12-7	
Benzo(a)anthracene	<29.1	ug/kg	97.1	29.1	1	10/16/15 09:58	10/19/15 18:36	56-55-3	
Benzo(a)pyrene	<28.3	ug/kg	94.3	28.3	1	10/16/15 09:58	10/19/15 18:36	50-32-8	
Benzo(b)fluoranthene	<32.3	ug/kg	108	32.3	1	10/16/15 09:58	10/19/15 18:36	205-99-2	
Benzo(g,h,i)perylene	<49.2	ug/kg	164	49.2	1	10/16/15 09:58	10/19/15 18:36	191-24-2	
Benzo(k)fluoranthene	<45.0	ug/kg	150	45.0	1	10/16/15 09:58	10/19/15 18:36	207-08-9	
4-Bromophenylphenyl ether	<39.4	ug/kg	131	39.4	1	10/16/15 09:58	10/19/15 18:36	101-55-3	
Butylbenzylphthalate	<30.2	ug/kg	101	30.2	1	10/16/15 09:58	10/19/15 18:36	85-68-7	
Carbazole	<29.4	ug/kg	98.2	29.4	1	10/16/15 09:58	10/19/15 18:36	86-74-8	
4-Chloro-3-methylphenol	<58.5	ug/kg	195	58.5	1	10/16/15 09:58	10/19/15 18:36	59-50-7	
4-Chloroaniline	<30.9	ug/kg	103	30.9	1	10/16/15 09:58	10/19/15 18:36	106-47-8	
bis(2-Chloroethoxy)methane	<50.7	ug/kg	169	50.7	1	10/16/15 09:58	10/19/15 18:36	111-91-1	
bis(2-Chloroethyl) ether	<58.7	ug/kg	196	58.7	1	10/16/15 09:58	10/19/15 18:36	111-44-4	
2-Chloronaphthalene	<24.1	ug/kg	80.5	24.1	1	10/16/15 09:58	10/19/15 18:36	91-58-7	
2-Chlorophenol	<46.9	ug/kg	156	46.9	1	10/16/15 09:58	10/19/15 18:36	95-57-8	
4-Chlorophenylphenyl ether	<35.0	ug/kg	117	35.0	1	10/16/15 09:58	10/19/15 18:36	7005-72-3	
Chrysene	<28.1	ug/kg	93.7	28.1	1	10/16/15 09:58	10/19/15 18:36	218-01-9	
Dibenz(a,h)anthracene	<51.1	ug/kg	170	51.1	1	10/16/15 09:58	10/19/15 18:36	53-70-3	
Dibenzofuran	<22.8	ug/kg	75.9	22.8	1	10/16/15 09:58	10/19/15 18:36	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-5 (0-2)-101315 Lab ID: 40122822006 Collected: 10/13/15 10:00 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<59.1	ug/kg	197	59.1	1	10/16/15 09:58	10/19/15 18:36	95-50-1	
1,3-Dichlorobenzene	<26.0	ug/kg	86.8	26.0	1	10/16/15 09:58	10/19/15 18:36	541-73-1	
1,4-Dichlorobenzene	<26.2	ug/kg	87.3	26.2	1	10/16/15 09:58	10/19/15 18:36	106-46-7	
3,3'-Dichlorobenzidine	<51.0	ug/kg	170	51.0	1	10/16/15 09:58	10/19/15 18:36	91-94-1	
2,4-Dichlorophenol	<50.3	ug/kg	168	50.3	1	10/16/15 09:58	10/19/15 18:36	120-83-2	
Diethylphthalate	<31.2	ug/kg	104	31.2	1	10/16/15 09:58	10/19/15 18:36	84-66-2	
2,4-Dimethylphenol	<37.2	ug/kg	124	37.2	1	10/16/15 09:58	10/19/15 18:36	105-67-9	
Dimethylphthalate	<24.5	ug/kg	81.6	24.5	1	10/16/15 09:58	10/19/15 18:36	131-11-3	
Di-n-butylphthalate	<28.1	ug/kg	93.7	28.1	1	10/16/15 09:58	10/19/15 18:36	84-74-2	
4,6-Dinitro-2-methylphenol	<58.0	ug/kg	193	58.0	1	10/16/15 09:58	10/19/15 18:36	534-52-1	
2,4-Dinitrophenol	<57.3	ug/kg	191	57.3	1	10/16/15 09:58	10/19/15 18:36	51-28-5	
2,4-Dinitrotoluene	<26.9	ug/kg	89.7	26.9	1	10/16/15 09:58	10/19/15 18:36	121-14-2	
2,6-Dinitrotoluene	<35.7	ug/kg	119	35.7	1	10/16/15 09:58	10/19/15 18:36	606-20-2	
Di-n-octylphthalate	<42.3	ug/kg	141	42.3	1	10/16/15 09:58	10/19/15 18:36	117-84-0	
bis(2-Ethylhexyl)phthalate	<31.3	ug/kg	104	31.3	1	10/16/15 09:58	10/19/15 18:36	117-81-7	
Fluoranthene	<26.6	ug/kg	88.7	26.6	1	10/16/15 09:58	10/19/15 18:36	206-44-0	
Fluorene	<22.0	ug/kg	73.3	22.0	1	10/16/15 09:58	10/19/15 18:36	86-73-7	
Hexachloro-1,3-butadiene	<47.9	ug/kg	160	47.9	1	10/16/15 09:58	10/19/15 18:36	87-68-3	
Hexachlorobenzene	<31.6	ug/kg	105	31.6	1	10/16/15 09:58	10/19/15 18:36	118-74-1	
Hexachlorocyclopentadiene	<44.5	ug/kg	148	44.5	1	10/16/15 09:58	10/19/15 18:36	77-47-4	
Hexachloroethane	<30.1	ug/kg	100	30.1	1	10/16/15 09:58	10/19/15 18:36	67-72-1	
Indeno(1,2,3-cd)pyrene	<40.7	ug/kg	136	40.7	1	10/16/15 09:58	10/19/15 18:36	193-39-5	
Isophorone	<28.9	ug/kg	96.4	28.9	1	10/16/15 09:58	10/19/15 18:36	78-59-1	
2-Methylnaphthalene	<48.8	ug/kg	163	48.8	1	10/16/15 09:58	10/19/15 18:36	91-57-6	
2-Methylphenol(o-Cresol)	<34.2	ug/kg	114	34.2	1	10/16/15 09:58	10/19/15 18:36	95-48-7	
3&4-Methylphenol(m&p Cresol)	<34.5	ug/kg	115	34.5	1	10/16/15 09:58	10/19/15 18:36		
Naphthalene	<65.8	ug/kg	219	65.8	1	10/16/15 09:58	10/19/15 18:36	91-20-3	
2-Nitroaniline	<53.6	ug/kg	179	53.6	1	10/16/15 09:58	10/19/15 18:36	88-74-4	
3-Nitroaniline	<32.0	ug/kg	107	32.0	1	10/16/15 09:58	10/19/15 18:36	99-09-2	
4-Nitroaniline	<78.1	ug/kg	260	78.1	1	10/16/15 09:58	10/19/15 18:36	100-01-6	
Nitrobenzene	<38.1	ug/kg	127	38.1	1	10/16/15 09:58	10/19/15 18:36	98-95-3	
2-Nitrophenol	<59.4	ug/kg	198	59.4	1	10/16/15 09:58	10/19/15 18:36	88-75-5	
4-Nitrophenol	<47.4	ug/kg	158	47.4	1	10/16/15 09:58	10/19/15 18:36	100-02-7	
N-Nitroso-di-n-propylamine	<29.8	ug/kg	99.4	29.8	1	10/16/15 09:58	10/19/15 18:36	621-64-7	
N-Nitrosodiphenylamine	<255	ug/kg	851	255	1	10/16/15 09:58	10/19/15 18:36	86-30-6	
2,2'-Oxybis(1-chloropropane)	<48.5	ug/kg	162	48.5	1	10/16/15 09:58	10/19/15 18:36	108-60-1	
Pentachlorophenol	<41.4	ug/kg	138	41.4	1	10/16/15 09:58	10/19/15 18:36	87-86-5	
Phenanthrene	<24.1	ug/kg	80.4	24.1	1	10/16/15 09:58	10/19/15 18:36	85-01-8	
Phenol	<44.6	ug/kg	149	44.6	1	10/16/15 09:58	10/19/15 18:36	108-95-2	
Pyrene	<41.7	ug/kg	139	41.7	1	10/16/15 09:58	10/19/15 18:36	129-00-0	
1,2,4-Trichlorobenzene	<21.3	ug/kg	70.9	21.3	1	10/16/15 09:58	10/19/15 18:36	120-82-1	
2,4,5-Trichlorophenol	<33.2	ug/kg	111	33.2	1	10/16/15 09:58	10/19/15 18:36	95-95-4	
2,4,6-Trichlorophenol	<28.7	ug/kg	95.6	28.7	1	10/16/15 09:58	10/19/15 18:36	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	76	%	45-130		1	10/16/15 09:58	10/19/15 18:36	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-5 (0-2)-101315 **Lab ID: 40122822006** Collected: 10/13/15 10:00 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	70	%	51-130		1	10/16/15 09:58	10/19/15 18:36	321-60-8	
Terphenyl-d14 (S)	78	%	37-134		1	10/16/15 09:58	10/19/15 18:36	1718-51-0	
Phenol-d6 (S)	68	%	36-130		1	10/16/15 09:58	10/19/15 18:36	13127-88-3	
2-Fluorophenol (S)	64	%	37-130		1	10/16/15 09:58	10/19/15 18:36	367-12-4	
2,4,6-Tribromophenol (S)	75	%	30-130		1	10/16/15 09:58	10/19/15 18:36	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.7	ug/kg	14.9	4.7	1	10/15/15 12:00	10/15/15 20:01	67-64-1	2q
Benzene	<1.2	ug/kg	3.7	1.2	1	10/15/15 12:00	10/15/15 20:01	71-43-2	
Bromodichloromethane	<0.82	ug/kg	3.7	0.82	1	10/15/15 12:00	10/15/15 20:01	75-27-4	
Bromoform	<0.63	ug/kg	3.7	0.63	1	10/15/15 12:00	10/15/15 20:01	75-25-2	
Bromomethane	<1.1	ug/kg	7.5	1.1	1	10/15/15 12:00	10/15/15 20:01	74-83-9	
2-Butanone (MEK)	<2.1	ug/kg	14.9	2.1	1	10/15/15 12:00	10/15/15 20:01	78-93-3	
Carbon disulfide	<0.96	ug/kg	3.7	0.96	1	10/15/15 12:00	10/15/15 20:01	75-15-0	
Carbon tetrachloride	<1.2	ug/kg	3.7	1.2	1	10/15/15 12:00	10/15/15 20:01	56-23-5	
Chlorobenzene	<1.2	ug/kg	3.7	1.2	1	10/15/15 12:00	10/15/15 20:01	108-90-7	
Chloroethane	<1.5	ug/kg	3.7	1.5	1	10/15/15 12:00	10/15/15 20:01	75-00-3	
Chloroform	<0.71	ug/kg	3.7	0.71	1	10/15/15 12:00	10/15/15 20:01	67-66-3	
Chloromethane	<0.42	ug/kg	3.7	0.42	1	10/15/15 12:00	10/15/15 20:01	74-87-3	
Dibromochloromethane	<1.3	ug/kg	3.7	1.3	1	10/15/15 12:00	10/15/15 20:01	124-48-1	
1,1-Dichloroethane	<1.8	ug/kg	3.7	1.8	1	10/15/15 12:00	10/15/15 20:01	75-34-3	
1,2-Dichloroethane	<0.73	ug/kg	3.7	0.73	1	10/15/15 12:00	10/15/15 20:01	107-06-2	
1,1-Dichloroethene	<1.7	ug/kg	3.7	1.7	1	10/15/15 12:00	10/15/15 20:01	75-35-4	
cis-1,2-Dichloroethene	<0.99	ug/kg	3.7	0.99	1	10/15/15 12:00	10/15/15 20:01	156-59-2	
trans-1,2-Dichloroethene	<0.92	ug/kg	3.7	0.92	1	10/15/15 12:00	10/15/15 20:01	156-60-5	
1,2-Dichloropropane	<0.94	ug/kg	3.7	0.94	1	10/15/15 12:00	10/15/15 20:01	78-87-5	
cis-1,3-Dichloropropene	<0.50	ug/kg	3.7	0.50	1	10/15/15 12:00	10/15/15 20:01	10061-01-5	
trans-1,3-Dichloropropene	<0.69	ug/kg	3.7	0.69	1	10/15/15 12:00	10/15/15 20:01	10061-02-6	
Ethylbenzene	<1.1	ug/kg	3.7	1.1	1	10/15/15 12:00	10/15/15 20:01	100-41-4	
2-Hexanone	<1.1	ug/kg	3.7	1.1	1	10/15/15 12:00	10/15/15 20:01	591-78-6	
Methylene Chloride	<1.4	ug/kg	3.7	1.4	1	10/15/15 12:00	10/15/15 20:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.92	ug/kg	3.7	0.92	1	10/15/15 12:00	10/15/15 20:01	108-10-1	
Methyl-tert-butyl ether	<0.75	ug/kg	3.7	0.75	1	10/15/15 12:00	10/15/15 20:01	1634-04-4	
Styrene	<0.57	ug/kg	3.7	0.57	1	10/15/15 12:00	10/15/15 20:01	100-42-5	
1,1,2,2-Tetrachloroethane	<1.5	ug/kg	3.7	1.5	1	10/15/15 12:00	10/15/15 20:01	79-34-5	
Tetrachloroethene	<1.2	ug/kg	3.7	1.2	1	10/15/15 12:00	10/15/15 20:01	127-18-4	
Toluene	<1.1	ug/kg	3.7	1.1	1	10/15/15 12:00	10/15/15 20:01	108-88-3	
1,1,1-Trichloroethane	<1.2	ug/kg	3.7	1.2	1	10/15/15 12:00	10/15/15 20:01	71-55-6	
1,1,2-Trichloroethane	<1.4	ug/kg	3.7	1.4	1	10/15/15 12:00	10/15/15 20:01	79-00-5	
Trichloroethene	<1.4	ug/kg	3.7	1.4	1	10/15/15 12:00	10/15/15 20:01	79-01-6	
Vinyl chloride	<0.41	ug/kg	3.7	0.41	1	10/15/15 12:00	10/15/15 20:01	75-01-4	
Xylene (Total)	<3.3	ug/kg	11.2	3.3	1	10/15/15 12:00	10/15/15 20:01	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	101	%	70-130		1	10/15/15 12:00	10/15/15 20:01	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-5 (0-2)-101315 **Lab ID: 40122822006** Collected: 10/13/15 10:00 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	103	%	67-138		1	10/15/15 12:00	10/15/15 20:01	2037-26-5	
4-Bromofluorobenzene (S)	93	%	68-130		1	10/15/15 12:00	10/15/15 20:01	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	11.3	%	0.10	0.10	1		10/14/15 18:06		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.63	Std. Units	0.100	0.0100	1		10/15/15 15:30		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-12 (0-4)-101315 Lab ID: 40122822007 Collected: 10/13/15 10:45 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.10	mg/kg	3.0	0.10	1	10/19/15 08:23	10/21/15 16:27	7440-36-0	
Arsenic	5.1	mg/kg	1.0	0.28	1	10/19/15 08:23	10/21/15 16:27	7440-38-2	
Barium	35.0	mg/kg	20.1	0.26	1	10/19/15 08:23	10/21/15 16:27	7440-39-3	
Beryllium	0.23J	mg/kg	0.50	0.080	1	10/19/15 08:23	10/21/15 16:27	7440-41-7	
Cadmium	0.11J	mg/kg	0.50	0.064	1	10/19/15 08:23	10/21/15 16:27	7440-43-9	
Calcium	80000	mg/kg	1010	26.9	10	10/19/15 08:23	10/21/15 17:09	7440-70-2	
Chromium	13.0	mg/kg	1.0	0.31	1	10/19/15 08:23	10/21/15 16:27	7440-47-3	
Cobalt	8.8	mg/kg	1.0	0.13	1	10/19/15 08:23	10/21/15 16:27	7440-48-4	
Copper	21.8	mg/kg	1.0	0.37	1	10/19/15 08:23	10/21/15 16:27	7440-50-8	
Iron	15900	mg/kg	5.0	0.78	1	10/19/15 08:23	10/21/15 16:27	7439-89-6	
Lead	10	mg/kg	0.50	0.28	1	10/19/15 08:23	10/21/15 16:27	7439-92-1	
Magnesium	45200	mg/kg	101	2.9	1	10/19/15 08:23	10/21/15 16:27	7439-95-4	
Manganese	413	mg/kg	1.0	0.19	1	10/19/15 08:23	10/21/15 16:27	7439-96-5	
Nickel	12.4	mg/kg	4.0	1.1	1	10/19/15 08:23	10/21/15 16:27	7440-02-0	
Potassium	1110	mg/kg	101	3.2	1	10/19/15 08:23	10/21/15 16:27	7440-09-7	
Selenium	0.36J	mg/kg	2.0	0.21	1	10/19/15 08:23	10/21/15 16:27	7782-49-2	
Silver	<0.071	mg/kg	1.0	0.071	1	10/19/15 08:23	10/21/15 16:27	7440-22-4	
Sodium	1020	mg/kg	101	16.9	1	10/19/15 08:23	10/21/15 16:27	7440-23-5	
Thallium	<0.15	mg/kg	0.50	0.15	1	10/19/15 08:23	10/21/15 16:27	7440-28-0	
Vanadium	24.0	mg/kg	5.0	0.31	1	10/19/15 08:23	10/21/15 16:27	7440-62-2	
Zinc	32.4	mg/kg	2.0	0.47	1	10/19/15 08:23	10/21/15 16:27	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/18/15 11:00

Arsenic	0.012	mg/L	0.010	0.0026	1	10/20/15 07:44	10/21/15 11:11	7440-38-2	
Barium	0.47	mg/L	0.20	0.0037	1	10/20/15 07:44	10/21/15 11:11	7440-39-3	
Beryllium	0.00071J	mg/L	0.0050	0.00025	1	10/20/15 07:44	10/21/15 11:11	7440-41-7	
Cadmium	<0.00027	mg/L	0.0050	0.00027	1	10/20/15 07:44	10/21/15 11:11	7440-43-9	
Chromium	0.027	mg/L	0.010	0.0018	1	10/20/15 07:44	10/21/15 11:11	7440-47-3	
Cobalt	0.0091J	mg/L	0.010	0.00050	1	10/20/15 07:44	10/21/15 11:11	7440-48-4	
Copper	0.039	mg/L	0.010	0.0024	1	10/20/15 07:44	10/21/15 11:11	7440-50-8	
Iron	32.8	mg/L	0.050	0.0073	1	10/20/15 07:44	10/21/15 11:11	7439-89-6	
Lead	0.024	mg/L	0.0050	0.00084	1	10/20/15 07:44	10/21/15 11:11	7439-92-1	
Manganese	0.40	mg/L	0.010	0.00065	1	10/20/15 07:44	10/21/15 11:11	7439-96-5	
Nickel	0.027J	mg/L	0.040	0.00041	1	10/20/15 07:44	10/21/15 11:11	7440-02-0	
Selenium	<0.0024	mg/L	0.020	0.0024	1	10/20/15 07:44	10/21/15 11:11	7782-49-2	
Silver	<0.00032	mg/L	0.010	0.00032	1	10/20/15 07:44	10/21/15 11:11	7440-22-4	
Zinc	0.14	mg/L	0.020	0.00076	1	10/20/15 07:44	10/21/15 11:11	7440-66-6	

6010 Metals, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/21/15 17:00

Arsenic	<0.0053	mg/L	0.20	0.0053	1	10/22/15 12:12	10/22/15 16:17	7440-38-2	
Barium	0.28J	mg/L	2.0	0.0010	1	10/22/15 12:12	10/22/15 16:17	7440-39-3	B
Beryllium	<0.00050	mg/L	0.20	0.00050	1	10/22/15 12:12	10/22/15 16:17	7440-41-7	
Cadmium	<0.00054	mg/L	0.10	0.00054	1	10/22/15 12:12	10/22/15 16:17	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-12 (0-4)-101315 Lab ID: 40122822007 Collected: 10/13/15 10:45 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Chromium	<0.0037	mg/L	0.20	0.0037	1	10/22/15 12:12	10/22/15 16:17	7440-47-3	
Cobalt	0.0029J	mg/L	0.20	0.0010	1	10/22/15 12:12	10/22/15 16:17	7440-48-4	
Copper	<0.0048	mg/L	0.20	0.0048	1	10/22/15 12:12	10/22/15 16:17	7440-50-8	
Iron	<0.015	mg/L	1.0	0.015	1	10/22/15 12:12	10/22/15 16:17	7439-89-6	
Lead	<0.0017	mg/L	0.20	0.0017	1	10/22/15 12:12	10/22/15 16:17	7439-92-1	
Manganese	0.99	mg/L	0.13	0.0013	1	10/22/15 12:12	10/22/15 16:17	7439-96-5	
Nickel	0.0086J	mg/L	0.20	0.00082	1	10/22/15 12:12	10/22/15 16:17	7440-02-0	
Selenium	0.0067J	mg/L	0.20	0.0049	1	10/22/15 12:12	10/22/15 16:17	7782-49-2	
Silver	<0.00065	mg/L	0.20	0.00065	1	10/22/15 12:12	10/22/15 16:17	7440-22-4	
Zinc	0.081J	mg/L	0.20	0.0015	1	10/22/15 12:12	10/22/15 16:17	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/18/15 11:00									
Mercury	0.000060J	mg/L	0.00020	0.000024	1	10/20/15 07:58	10/21/15 10:37	7439-97-6	B
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Mercury	<0.000024	mg/L	0.00020	0.000024	1	10/22/15 12:12	10/22/15 15:49	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.030	mg/kg	0.019	0.0093	1	10/19/15 09:47	10/20/15 15:22	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<64.4	ug/kg	215	64.4	1	10/16/15 09:58	10/19/15 11:47	83-32-9	
Acenaphthylene	<64.7	ug/kg	216	64.7	1	10/16/15 09:58	10/19/15 11:47	208-96-8	
Anthracene	<29.0	ug/kg	96.7	29.0	1	10/16/15 09:58	10/19/15 11:47	120-12-7	
Benzo(a)anthracene	<28.1	ug/kg	93.7	28.1	1	10/16/15 09:58	10/19/15 11:47	56-55-3	
Benzo(a)pyrene	<27.3	ug/kg	91.0	27.3	1	10/16/15 09:58	10/19/15 11:47	50-32-8	
Benzo(b)fluoranthene	<31.2	ug/kg	104	31.2	1	10/16/15 09:58	10/19/15 11:47	205-99-2	
Benzo(g,h,i)perylene	<47.5	ug/kg	158	47.5	1	10/16/15 09:58	10/19/15 11:47	191-24-2	
Benzo(k)fluoranthene	<43.4	ug/kg	145	43.4	1	10/16/15 09:58	10/19/15 11:47	207-08-9	
4-Bromophenylphenyl ether	<38.0	ug/kg	127	38.0	1	10/16/15 09:58	10/19/15 11:47	101-55-3	
Butylbenzylphthalate	<29.1	ug/kg	97.0	29.1	1	10/16/15 09:58	10/19/15 11:47	85-68-7	
Carbazole	<28.4	ug/kg	94.7	28.4	1	10/16/15 09:58	10/19/15 11:47	86-74-8	
4-Chloro-3-methylphenol	<56.5	ug/kg	188	56.5	1	10/16/15 09:58	10/19/15 11:47	59-50-7	
4-Chloroaniline	<29.8	ug/kg	99.4	29.8	1	10/16/15 09:58	10/19/15 11:47	106-47-8	
bis(2-Chloroethoxy)methane	<48.9	ug/kg	163	48.9	1	10/16/15 09:58	10/19/15 11:47	111-91-1	
bis(2-Chloroethyl) ether	<56.6	ug/kg	189	56.6	1	10/16/15 09:58	10/19/15 11:47	111-44-4	
2-Chloronaphthalene	<23.3	ug/kg	77.7	23.3	1	10/16/15 09:58	10/19/15 11:47	91-58-7	
2-Chlorophenol	<45.3	ug/kg	151	45.3	1	10/16/15 09:58	10/19/15 11:47	95-57-8	
4-Chlorophenylphenyl ether	<33.8	ug/kg	113	33.8	1	10/16/15 09:58	10/19/15 11:47	7005-72-3	
Chrysene	<27.1	ug/kg	90.4	27.1	1	10/16/15 09:58	10/19/15 11:47	218-01-9	
Dibenz(a,h)anthracene	<49.3	ug/kg	164	49.3	1	10/16/15 09:58	10/19/15 11:47	53-70-3	
Dibenzofuran	<22.0	ug/kg	73.2	22.0	1	10/16/15 09:58	10/19/15 11:47	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Lab Project No.: 40122822

Sample: SR-12 (0-4)-101315 Lab ID: 40122822007 Collected: 10/13/15 10:45 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<57.1	ug/kg	190	57.1	1	10/16/15 09:58	10/19/15 11:47	95-50-1	
1,3-Dichlorobenzene	<25.1	ug/kg	83.8	25.1	1	10/16/15 09:58	10/19/15 11:47	541-73-1	
1,4-Dichlorobenzene	<25.3	ug/kg	84.3	25.3	1	10/16/15 09:58	10/19/15 11:47	106-46-7	
3,3'-Dichlorobenzidine	<49.2	ug/kg	164	49.2	1	10/16/15 09:58	10/19/15 11:47	91-94-1	
2,4-Dichlorophenol	<48.5	ug/kg	162	48.5	1	10/16/15 09:58	10/19/15 11:47	120-83-2	
Diethylphthalate	<30.1	ug/kg	100	30.1	1	10/16/15 09:58	10/19/15 11:47	84-66-2	
2,4-Dimethylphenol	<35.9	ug/kg	120	35.9	1	10/16/15 09:58	10/19/15 11:47	105-67-9	
Dimethylphthalate	<23.6	ug/kg	78.7	23.6	1	10/16/15 09:58	10/19/15 11:47	131-11-3	
Di-n-butylphthalate	<27.1	ug/kg	90.4	27.1	1	10/16/15 09:58	10/19/15 11:47	84-74-2	
4,6-Dinitro-2-methylphenol	<55.9	ug/kg	186	55.9	1	10/16/15 09:58	10/19/15 11:47	534-52-1	
2,4-Dinitrophenol	<55.3	ug/kg	184	55.3	1	10/16/15 09:58	10/19/15 11:47	51-28-5	
2,4-Dinitrotoluene	<26.0	ug/kg	86.5	26.0	1	10/16/15 09:58	10/19/15 11:47	121-14-2	
2,6-Dinitrotoluene	<34.4	ug/kg	115	34.4	1	10/16/15 09:58	10/19/15 11:47	606-20-2	
Di-n-octylphthalate	<40.8	ug/kg	136	40.8	1	10/16/15 09:58	10/19/15 11:47	117-84-0	
bis(2-Ethylhexyl)phthalate	37.0J	ug/kg	101	30.2	1	10/16/15 09:58	10/19/15 11:47	117-81-7	
Fluoranthene	<25.7	ug/kg	85.6	25.7	1	10/16/15 09:58	10/19/15 11:47	206-44-0	
Fluorene	<21.2	ug/kg	70.7	21.2	1	10/16/15 09:58	10/19/15 11:47	86-73-7	
Hexachloro-1,3-butadiene	<46.2	ug/kg	154	46.2	1	10/16/15 09:58	10/19/15 11:47	87-68-3	
Hexachlorobenzene	<30.5	ug/kg	102	30.5	1	10/16/15 09:58	10/19/15 11:47	118-74-1	
Hexachlorocyclopentadiene	<42.9	ug/kg	143	42.9	1	10/16/15 09:58	10/19/15 11:47	77-47-4	
Hexachloroethane	<29.0	ug/kg	96.8	29.0	1	10/16/15 09:58	10/19/15 11:47	67-72-1	
Indeno(1,2,3-cd)pyrene	<39.3	ug/kg	131	39.3	1	10/16/15 09:58	10/19/15 11:47	193-39-5	
Isophorone	<27.9	ug/kg	93.0	27.9	1	10/16/15 09:58	10/19/15 11:47	78-59-1	
2-Methylnaphthalene	<47.1	ug/kg	157	47.1	1	10/16/15 09:58	10/19/15 11:47	91-57-6	
2-Methylphenol(o-Cresol)	<33.0	ug/kg	110	33.0	1	10/16/15 09:58	10/19/15 11:47	95-48-7	
3&4-Methylphenol(m&p Cresol)	<33.3	ug/kg	111	33.3	1	10/16/15 09:58	10/19/15 11:47		
Naphthalene	<63.4	ug/kg	212	63.4	1	10/16/15 09:58	10/19/15 11:47	91-20-3	
2-Nitroaniline	<51.7	ug/kg	172	51.7	1	10/16/15 09:58	10/19/15 11:47	88-74-4	
3-Nitroaniline	<30.9	ug/kg	103	30.9	1	10/16/15 09:58	10/19/15 11:47	99-09-2	
4-Nitroaniline	<75.3	ug/kg	251	75.3	1	10/16/15 09:58	10/19/15 11:47	100-01-6	
Nitrobenzene	<36.8	ug/kg	123	36.8	1	10/16/15 09:58	10/19/15 11:47	98-95-3	
2-Nitrophenol	<57.3	ug/kg	191	57.3	1	10/16/15 09:58	10/19/15 11:47	88-75-5	
4-Nitrophenol	<45.7	ug/kg	152	45.7	1	10/16/15 09:58	10/19/15 11:47	100-02-7	
N-Nitroso-di-n-propylamine	<28.8	ug/kg	95.9	28.8	1	10/16/15 09:58	10/19/15 11:47	621-64-7	
N-Nitrosodiphenylamine	<246	ug/kg	821	246	1	10/16/15 09:58	10/19/15 11:47	86-30-6	
2,2'-Oxybis(1-chloropropane)	<46.8	ug/kg	156	46.8	1	10/16/15 09:58	10/19/15 11:47	108-60-1	
Pentachlorophenol	<40.0	ug/kg	133	40.0	1	10/16/15 09:58	10/19/15 11:47	87-86-5	
Phenanthrene	<23.3	ug/kg	77.6	23.3	1	10/16/15 09:58	10/19/15 11:47	85-01-8	
Phenol	<43.1	ug/kg	144	43.1	1	10/16/15 09:58	10/19/15 11:47	108-95-2	
Pyrene	<40.2	ug/kg	134	40.2	1	10/16/15 09:58	10/19/15 11:47	129-00-0	
1,2,4-Trichlorobenzene	<20.5	ug/kg	68.4	20.5	1	10/16/15 09:58	10/19/15 11:47	120-82-1	
2,4,5-Trichlorophenol	<32.1	ug/kg	107	32.1	1	10/16/15 09:58	10/19/15 11:47	95-95-4	
2,4,6-Trichlorophenol	<27.7	ug/kg	92.2	27.7	1	10/16/15 09:58	10/19/15 11:47	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	63	%	45-130		1	10/16/15 09:58	10/19/15 11:47	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-12 (0-4)-101315 Lab ID: 40122822007 Collected: 10/13/15 10:45 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	59	%	51-130		1	10/16/15 09:58	10/19/15 11:47	321-60-8	
Terphenyl-d14 (S)	58	%	37-134		1	10/16/15 09:58	10/19/15 11:47	1718-51-0	
Phenol-d6 (S)	58	%	36-130		1	10/16/15 09:58	10/19/15 11:47	13127-88-3	
2-Fluorophenol (S)	58	%	37-130		1	10/16/15 09:58	10/19/15 11:47	367-12-4	
2,4,6-Tribromophenol (S)	58	%	30-130		1	10/16/15 09:58	10/19/15 11:47	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.9	ug/kg	15.8	4.9	1	10/15/15 12:00	10/15/15 20:23	67-64-1	2q
Benzene	<1.3	ug/kg	3.9	1.3	1	10/15/15 12:00	10/15/15 20:23	71-43-2	
Bromodichloromethane	<0.86	ug/kg	3.9	0.86	1	10/15/15 12:00	10/15/15 20:23	75-27-4	
Bromoform	<0.67	ug/kg	3.9	0.67	1	10/15/15 12:00	10/15/15 20:23	75-25-2	
Bromomethane	<1.2	ug/kg	7.9	1.2	1	10/15/15 12:00	10/15/15 20:23	74-83-9	
2-Butanone (MEK)	<2.2	ug/kg	15.8	2.2	1	10/15/15 12:00	10/15/15 20:23	78-93-3	
Carbon disulfide	<1.0	ug/kg	3.9	1.0	1	10/15/15 12:00	10/15/15 20:23	75-15-0	
Carbon tetrachloride	<1.3	ug/kg	3.9	1.3	1	10/15/15 12:00	10/15/15 20:23	56-23-5	
Chlorobenzene	<1.2	ug/kg	3.9	1.2	1	10/15/15 12:00	10/15/15 20:23	108-90-7	
Chloroethane	<1.6	ug/kg	3.9	1.6	1	10/15/15 12:00	10/15/15 20:23	75-00-3	
Chloroform	<0.75	ug/kg	3.9	0.75	1	10/15/15 12:00	10/15/15 20:23	67-66-3	
Chloromethane	<0.44	ug/kg	3.9	0.44	1	10/15/15 12:00	10/15/15 20:23	74-87-3	
Dibromochloromethane	<1.3	ug/kg	3.9	1.3	1	10/15/15 12:00	10/15/15 20:23	124-48-1	
1,1-Dichloroethane	<1.9	ug/kg	3.9	1.9	1	10/15/15 12:00	10/15/15 20:23	75-34-3	
1,2-Dichloroethane	<0.77	ug/kg	3.9	0.77	1	10/15/15 12:00	10/15/15 20:23	107-06-2	
1,1-Dichloroethene	<1.8	ug/kg	3.9	1.8	1	10/15/15 12:00	10/15/15 20:23	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/kg	3.9	1.0	1	10/15/15 12:00	10/15/15 20:23	156-59-2	
trans-1,2-Dichloroethene	<0.98	ug/kg	3.9	0.98	1	10/15/15 12:00	10/15/15 20:23	156-60-5	
1,2-Dichloropropane	<1.0	ug/kg	3.9	1.0	1	10/15/15 12:00	10/15/15 20:23	78-87-5	
cis-1,3-Dichloropropene	<0.53	ug/kg	3.9	0.53	1	10/15/15 12:00	10/15/15 20:23	10061-01-5	
trans-1,3-Dichloropropene	<0.73	ug/kg	3.9	0.73	1	10/15/15 12:00	10/15/15 20:23	10061-02-6	
Ethylbenzene	<1.1	ug/kg	3.9	1.1	1	10/15/15 12:00	10/15/15 20:23	100-41-4	
2-Hexanone	<1.2	ug/kg	3.9	1.2	1	10/15/15 12:00	10/15/15 20:23	591-78-6	
Methylene Chloride	<1.5	ug/kg	3.9	1.5	1	10/15/15 12:00	10/15/15 20:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.97	ug/kg	3.9	0.97	1	10/15/15 12:00	10/15/15 20:23	108-10-1	
Methyl-tert-butyl ether	<0.79	ug/kg	3.9	0.79	1	10/15/15 12:00	10/15/15 20:23	1634-04-4	
Styrene	<0.60	ug/kg	3.9	0.60	1	10/15/15 12:00	10/15/15 20:23	100-42-5	
1,1,2,2-Tetrachloroethane	<1.6	ug/kg	3.9	1.6	1	10/15/15 12:00	10/15/15 20:23	79-34-5	
Tetrachloroethene	<1.2	ug/kg	3.9	1.2	1	10/15/15 12:00	10/15/15 20:23	127-18-4	
Toluene	<1.2	ug/kg	3.9	1.2	1	10/15/15 12:00	10/15/15 20:23	108-88-3	
1,1,1-Trichloroethane	<1.2	ug/kg	3.9	1.2	1	10/15/15 12:00	10/15/15 20:23	71-55-6	
1,1,2-Trichloroethane	<1.5	ug/kg	3.9	1.5	1	10/15/15 12:00	10/15/15 20:23	79-00-5	
Trichloroethene	<1.5	ug/kg	3.9	1.5	1	10/15/15 12:00	10/15/15 20:23	79-01-6	
Vinyl chloride	<0.43	ug/kg	3.9	0.43	1	10/15/15 12:00	10/15/15 20:23	75-01-4	
Xylene (Total)	<3.5	ug/kg	11.8	3.5	1	10/15/15 12:00	10/15/15 20:23	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	109	%	70-130		1	10/15/15 12:00	10/15/15 20:23	1868-53-7	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-12 (0-4)-101315 **Lab ID: 40122822007** Collected: 10/13/15 10:45 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	111	%	67-138		1	10/15/15 12:00	10/15/15 20:23	2037-26-5	
4-Bromofluorobenzene (S)	83	%	68-130		1	10/15/15 12:00	10/15/15 20:23	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	8.0	%	0.10	0.10	1		10/14/15 18:06		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	8.81	Std. Units	0.100	0.0100	1		10/15/15 15:30		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-13 (0-3)-101315 Lab ID: 40122822008 Collected: 10/13/15 11:05 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.097	mg/kg	2.9	0.097	1	10/19/15 08:23	10/21/15 16:31	7440-36-0	
Arsenic	3.3	mg/kg	0.97	0.27	1	10/19/15 08:23	10/21/15 16:31	7440-38-2	
Barium	43.8	mg/kg	19.4	0.25	1	10/19/15 08:23	10/21/15 16:31	7440-39-3	
Beryllium	0.38J	mg/kg	0.49	0.077	1	10/19/15 08:23	10/21/15 16:31	7440-41-7	
Cadmium	0.16J	mg/kg	0.49	0.062	1	10/19/15 08:23	10/21/15 16:31	7440-43-9	
Calcium	29400	mg/kg	97.2	2.6	1	10/19/15 08:23	10/21/15 16:31	7440-70-2	
Chromium	7.7	mg/kg	0.97	0.29	1	10/19/15 08:23	10/21/15 16:31	7440-47-3	
Cobalt	4.4	mg/kg	0.97	0.13	1	10/19/15 08:23	10/21/15 16:31	7440-48-4	
Copper	10.3	mg/kg	0.97	0.36	1	10/19/15 08:23	10/21/15 16:31	7440-50-8	
Iron	9920	mg/kg	4.9	0.75	1	10/19/15 08:23	10/21/15 16:31	7439-89-6	
Lead	11.7	mg/kg	0.49	0.27	1	10/19/15 08:23	10/21/15 16:31	7439-92-1	
Magnesium	17400	mg/kg	97.2	2.8	1	10/19/15 08:23	10/21/15 16:31	7439-95-4	
Manganese	298	mg/kg	0.97	0.18	1	10/19/15 08:23	10/21/15 16:31	7439-96-5	
Nickel	8.2	mg/kg	3.9	1.0	1	10/19/15 08:23	10/21/15 16:31	7440-02-0	
Potassium	659	mg/kg	97.2	3.0	1	10/19/15 08:23	10/21/15 16:31	7440-09-7	
Selenium	0.40J	mg/kg	1.9	0.20	1	10/19/15 08:23	10/21/15 16:31	7782-49-2	
Silver	<0.069	mg/kg	0.97	0.069	1	10/19/15 08:23	10/21/15 16:31	7440-22-4	
Sodium	139	mg/kg	97.2	16.3	1	10/19/15 08:23	10/21/15 16:31	7440-23-5	
Thallium	<0.14	mg/kg	0.49	0.14	1	10/19/15 08:23	10/21/15 16:31	7440-28-0	
Vanadium	12.6	mg/kg	4.9	0.30	1	10/19/15 08:23	10/21/15 16:31	7440-62-2	
Zinc	42.0	mg/kg	1.9	0.45	1	10/19/15 08:23	10/21/15 16:31	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/18/15 11:00

Arsenic	<0.0026	mg/L	0.010	0.0026	1	10/20/15 07:44	10/21/15 11:30	7440-38-2	
Barium	0.052J	mg/L	0.20	0.0037	1	10/20/15 07:44	10/21/15 11:30	7440-39-3	B
Beryllium	<0.00025	mg/L	0.0050	0.00025	1	10/20/15 07:44	10/21/15 11:30	7440-41-7	
Cadmium	<0.00027	mg/L	0.0050	0.00027	1	10/20/15 07:44	10/21/15 11:30	7440-43-9	
Chromium	0.0061J	mg/L	0.010	0.0018	1	10/20/15 07:44	10/21/15 11:30	7440-47-3	
Cobalt	0.0013J	mg/L	0.010	0.00050	1	10/20/15 07:44	10/21/15 11:30	7440-48-4	
Copper	0.0083J	mg/L	0.010	0.0024	1	10/20/15 07:44	10/21/15 11:30	7440-50-8	
Iron	5.6	mg/L	0.050	0.0073	1	10/20/15 07:44	10/21/15 11:30	7439-89-6	
Lead	0.0041J	mg/L	0.0050	0.00084	1	10/20/15 07:44	10/21/15 11:30	7439-92-1	
Manganese	0.058	mg/L	0.010	0.00065	1	10/20/15 07:44	10/21/15 11:30	7439-96-5	
Nickel	0.0047J	mg/L	0.040	0.00041	1	10/20/15 07:44	10/21/15 11:30	7440-02-0	
Selenium	<0.0024	mg/L	0.020	0.0024	1	10/20/15 07:44	10/21/15 11:30	7782-49-2	
Silver	<0.00032	mg/L	0.010	0.00032	1	10/20/15 07:44	10/21/15 11:30	7440-22-4	
Zinc	0.025	mg/L	0.020	0.00076	1	10/20/15 07:44	10/21/15 11:30	7440-66-6	B

6010 Metals, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/21/15 17:00

Arsenic	0.0054J	mg/L	0.20	0.0053	1	10/22/15 12:12	10/22/15 16:29	7440-38-2	
Barium	0.36J	mg/L	2.0	0.0010	1	10/22/15 12:12	10/22/15 16:29	7440-39-3	B
Beryllium	<0.00050	mg/L	0.20	0.00050	1	10/22/15 12:12	10/22/15 16:29	7440-41-7	
Cadmium	0.00073J	mg/L	0.10	0.00054	1	10/22/15 12:12	10/22/15 16:29	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-13 (0-3)-101315 Lab ID: 40122822008 Collected: 10/13/15 11:05 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Chromium	<0.0037	mg/L	0.20	0.0037	1	10/22/15 12:12	10/22/15 16:29	7440-47-3	
Cobalt	<0.0010	mg/L	0.20	0.0010	1	10/22/15 12:12	10/22/15 16:29	7440-48-4	
Copper	0.0089J	mg/L	0.20	0.0048	1	10/22/15 12:12	10/22/15 16:29	7440-50-8	B
Iron	<0.015	mg/L	1.0	0.015	1	10/22/15 12:12	10/22/15 16:29	7439-89-6	
Lead	<0.0017	mg/L	0.20	0.0017	1	10/22/15 12:12	10/22/15 16:29	7439-92-1	
Manganese	0.23	mg/L	0.13	0.0013	1	10/22/15 12:12	10/22/15 16:29	7439-96-5	
Nickel	0.0025J	mg/L	0.20	0.00082	1	10/22/15 12:12	10/22/15 16:29	7440-02-0	
Selenium	0.0074J	mg/L	0.20	0.0049	1	10/22/15 12:12	10/22/15 16:29	7782-49-2	
Silver	<0.00065	mg/L	0.20	0.00065	1	10/22/15 12:12	10/22/15 16:29	7440-22-4	
Zinc	0.084J	mg/L	0.20	0.0015	1	10/22/15 12:12	10/22/15 16:29	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/18/15 11:00									
Mercury	0.000050J	mg/L	0.00020	0.000024	1	10/20/15 07:58	10/21/15 10:39	7439-97-6	B
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Mercury	<0.000024	mg/L	0.00020	0.000024	1	10/22/15 12:12	10/22/15 15:51	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.044	mg/kg	0.018	0.0090	1	10/19/15 09:47	10/20/15 15:24	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<65.6	ug/kg	219	65.6	1	10/16/15 09:58	10/19/15 13:42	83-32-9	
Acenaphthylene	<66.0	ug/kg	220	66.0	1	10/16/15 09:58	10/19/15 13:42	208-96-8	
Anthracene	<29.6	ug/kg	98.6	29.6	1	10/16/15 09:58	10/19/15 13:42	120-12-7	
Benzo(a)anthracene	<28.7	ug/kg	95.5	28.7	1	10/16/15 09:58	10/19/15 13:42	56-55-3	
Benzo(a)pyrene	<27.8	ug/kg	92.8	27.8	1	10/16/15 09:58	10/19/15 13:42	50-32-8	
Benzo(b)fluoranthene	<31.8	ug/kg	106	31.8	1	10/16/15 09:58	10/19/15 13:42	205-99-2	
Benzo(g,h,i)perylene	<48.4	ug/kg	161	48.4	1	10/16/15 09:58	10/19/15 13:42	191-24-2	
Benzo(k)fluoranthene	<44.3	ug/kg	148	44.3	1	10/16/15 09:58	10/19/15 13:42	207-08-9	
4-Bromophenylphenyl ether	<38.7	ug/kg	129	38.7	1	10/16/15 09:58	10/19/15 13:42	101-55-3	
Butylbenzylphthalate	<29.7	ug/kg	98.9	29.7	1	10/16/15 09:58	10/19/15 13:42	85-68-7	
Carbazole	<29.0	ug/kg	96.6	29.0	1	10/16/15 09:58	10/19/15 13:42	86-74-8	
4-Chloro-3-methylphenol	<57.6	ug/kg	192	57.6	1	10/16/15 09:58	10/19/15 13:42	59-50-7	
4-Chloroaniline	<30.4	ug/kg	101	30.4	1	10/16/15 09:58	10/19/15 13:42	106-47-8	
bis(2-Chloroethoxy)methane	<49.8	ug/kg	166	49.8	1	10/16/15 09:58	10/19/15 13:42	111-91-1	
bis(2-Chloroethyl) ether	<57.8	ug/kg	193	57.8	1	10/16/15 09:58	10/19/15 13:42	111-44-4	
2-Chloronaphthalene	<23.8	ug/kg	79.2	23.8	1	10/16/15 09:58	10/19/15 13:42	91-58-7	
2-Chlorophenol	<46.2	ug/kg	154	46.2	1	10/16/15 09:58	10/19/15 13:42	95-57-8	
4-Chlorophenylphenyl ether	<34.5	ug/kg	115	34.5	1	10/16/15 09:58	10/19/15 13:42	7005-72-3	
Chrysene	44.0J	ug/kg	92.2	27.7	1	10/16/15 09:58	10/19/15 13:42	218-01-9	
Dibenz(a,h)anthracene	<50.3	ug/kg	168	50.3	1	10/16/15 09:58	10/19/15 13:42	53-70-3	
Dibenzofuran	<22.4	ug/kg	74.7	22.4	1	10/16/15 09:58	10/19/15 13:42	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Lab Project No.: 40122822

Sample: SR-13 (0-3)-101315 Lab ID: 40122822008 Collected: 10/13/15 11:05 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<58.2	ug/kg	194	58.2	1	10/16/15 09:58	10/19/15 13:42	95-50-1	
1,3-Dichlorobenzene	<25.6	ug/kg	85.4	25.6	1	10/16/15 09:58	10/19/15 13:42	541-73-1	
1,4-Dichlorobenzene	<25.8	ug/kg	85.9	25.8	1	10/16/15 09:58	10/19/15 13:42	106-46-7	
3,3'-Dichlorobenzidine	<50.2	ug/kg	167	50.2	1	10/16/15 09:58	10/19/15 13:42	91-94-1	
2,4-Dichlorophenol	<49.4	ug/kg	165	49.4	1	10/16/15 09:58	10/19/15 13:42	120-83-2	
Diethylphthalate	<30.7	ug/kg	102	30.7	1	10/16/15 09:58	10/19/15 13:42	84-66-2	
2,4-Dimethylphenol	<36.6	ug/kg	122	36.6	1	10/16/15 09:58	10/19/15 13:42	105-67-9	
Dimethylphthalate	<24.1	ug/kg	80.2	24.1	1	10/16/15 09:58	10/19/15 13:42	131-11-3	
Di-n-butylphthalate	<27.7	ug/kg	92.2	27.7	1	10/16/15 09:58	10/19/15 13:42	84-74-2	
4,6-Dinitro-2-methylphenol	<57.0	ug/kg	190	57.0	1	10/16/15 09:58	10/19/15 13:42	534-52-1	
2,4-Dinitrophenol	<56.4	ug/kg	188	56.4	1	10/16/15 09:58	10/19/15 13:42	51-28-5	
2,4-Dinitrotoluene	<26.5	ug/kg	88.2	26.5	1	10/16/15 09:58	10/19/15 13:42	121-14-2	
2,6-Dinitrotoluene	<35.1	ug/kg	117	35.1	1	10/16/15 09:58	10/19/15 13:42	606-20-2	
Di-n-octylphthalate	<41.6	ug/kg	139	41.6	1	10/16/15 09:58	10/19/15 13:42	117-84-0	
bis(2-Ethylhexyl)phthalate	<30.8	ug/kg	103	30.8	1	10/16/15 09:58	10/19/15 13:42	117-81-7	
Fluoranthene	30.9J	ug/kg	87.3	26.2	1	10/16/15 09:58	10/19/15 13:42	206-44-0	
Fluorene	<21.6	ug/kg	72.1	21.6	1	10/16/15 09:58	10/19/15 13:42	86-73-7	
Hexachloro-1,3-butadiene	<47.1	ug/kg	157	47.1	1	10/16/15 09:58	10/19/15 13:42	87-68-3	
Hexachlorobenzene	<31.1	ug/kg	104	31.1	1	10/16/15 09:58	10/19/15 13:42	118-74-1	
Hexachlorocyclopentadiene	<43.8	ug/kg	146	43.8	1	10/16/15 09:58	10/19/15 13:42	77-47-4	
Hexachloroethane	<29.6	ug/kg	98.7	29.6	1	10/16/15 09:58	10/19/15 13:42	67-72-1	
Indeno(1,2,3-cd)pyrene	<40.0	ug/kg	133	40.0	1	10/16/15 09:58	10/19/15 13:42	193-39-5	
Isophorone	<28.4	ug/kg	94.8	28.4	1	10/16/15 09:58	10/19/15 13:42	78-59-1	
2-Methylnaphthalene	<48.0	ug/kg	160	48.0	1	10/16/15 09:58	10/19/15 13:42	91-57-6	
2-Methylphenol(o-Cresol)	<33.6	ug/kg	112	33.6	1	10/16/15 09:58	10/19/15 13:42	95-48-7	
3&4-Methylphenol(m&p Cresol)	<33.9	ug/kg	113	33.9	1	10/16/15 09:58	10/19/15 13:42		
Naphthalene	<64.7	ug/kg	216	64.7	1	10/16/15 09:58	10/19/15 13:42	91-20-3	
2-Nitroaniline	<52.7	ug/kg	176	52.7	1	10/16/15 09:58	10/19/15 13:42	88-74-4	
3-Nitroaniline	<31.5	ug/kg	105	31.5	1	10/16/15 09:58	10/19/15 13:42	99-09-2	
4-Nitroaniline	<76.8	ug/kg	256	76.8	1	10/16/15 09:58	10/19/15 13:42	100-01-6	
Nitrobenzene	<37.5	ug/kg	125	37.5	1	10/16/15 09:58	10/19/15 13:42	98-95-3	
2-Nitrophenol	<58.4	ug/kg	195	58.4	1	10/16/15 09:58	10/19/15 13:42	88-75-5	
4-Nitrophenol	<46.6	ug/kg	155	46.6	1	10/16/15 09:58	10/19/15 13:42	100-02-7	
N-Nitroso-di-n-propylamine	<29.3	ug/kg	97.8	29.3	1	10/16/15 09:58	10/19/15 13:42	621-64-7	
N-Nitrosodiphenylamine	<251	ug/kg	837	251	1	10/16/15 09:58	10/19/15 13:42	86-30-6	
2,2'-Oxybis(1-chloropropane)	<47.7	ug/kg	159	47.7	1	10/16/15 09:58	10/19/15 13:42	108-60-1	
Pentachlorophenol	<40.7	ug/kg	136	40.7	1	10/16/15 09:58	10/19/15 13:42	87-86-5	
Phenanthrene	47.7J	ug/kg	79.1	23.7	1	10/16/15 09:58	10/19/15 13:42	85-01-8	
Phenol	<43.9	ug/kg	146	43.9	1	10/16/15 09:58	10/19/15 13:42	108-95-2	
Pyrene	47.0J	ug/kg	137	41.0	1	10/16/15 09:58	10/19/15 13:42	129-00-0	
1,2,4-Trichlorobenzene	<20.9	ug/kg	69.7	20.9	1	10/16/15 09:58	10/19/15 13:42	120-82-1	
2,4,5-Trichlorophenol	<32.7	ug/kg	109	32.7	1	10/16/15 09:58	10/19/15 13:42	95-95-4	
2,4,6-Trichlorophenol	<28.2	ug/kg	94.0	28.2	1	10/16/15 09:58	10/19/15 13:42	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	62	%	45-130		1	10/16/15 09:58	10/19/15 13:42	4165-60-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-13 (0-3)-101315 **Lab ID: 40122822008** Collected: 10/13/15 11:05 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	65	%	51-130		1	10/16/15 09:58	10/19/15 13:42	321-60-8	
Terphenyl-d14 (S)	124	%	37-134		1	10/16/15 09:58	10/19/15 13:42	1718-51-0	
Phenol-d6 (S)	53	%	36-130		1	10/16/15 09:58	10/19/15 13:42	13127-88-3	
2-Fluorophenol (S)	54	%	37-130		1	10/16/15 09:58	10/19/15 13:42	367-12-4	
2,4,6-Tribromophenol (S)	72	%	30-130		1	10/16/15 09:58	10/19/15 13:42	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<5.5	ug/kg	17.6	5.5	1	10/15/15 12:00	10/15/15 20:46	67-64-1	2q
Benzene	<1.4	ug/kg	4.4	1.4	1	10/15/15 12:00	10/15/15 20:46	71-43-2	
Bromodichloromethane	<0.97	ug/kg	4.4	0.97	1	10/15/15 12:00	10/15/15 20:46	75-27-4	
Bromoform	<0.75	ug/kg	4.4	0.75	1	10/15/15 12:00	10/15/15 20:46	75-25-2	
Bromomethane	<1.3	ug/kg	8.8	1.3	1	10/15/15 12:00	10/15/15 20:46	74-83-9	
2-Butanone (MEK)	<2.5	ug/kg	17.6	2.5	1	10/15/15 12:00	10/15/15 20:46	78-93-3	
Carbon disulfide	<1.1	ug/kg	4.4	1.1	1	10/15/15 12:00	10/15/15 20:46	75-15-0	
Carbon tetrachloride	<1.4	ug/kg	4.4	1.4	1	10/15/15 12:00	10/15/15 20:46	56-23-5	
Chlorobenzene	<1.4	ug/kg	4.4	1.4	1	10/15/15 12:00	10/15/15 20:46	108-90-7	
Chloroethane	<1.8	ug/kg	4.4	1.8	1	10/15/15 12:00	10/15/15 20:46	75-00-3	
Chloroform	<0.83	ug/kg	4.4	0.83	1	10/15/15 12:00	10/15/15 20:46	67-66-3	
Chloromethane	<0.49	ug/kg	4.4	0.49	1	10/15/15 12:00	10/15/15 20:46	74-87-3	
Dibromochloromethane	<1.5	ug/kg	4.4	1.5	1	10/15/15 12:00	10/15/15 20:46	124-48-1	
1,1-Dichloroethane	<2.1	ug/kg	4.4	2.1	1	10/15/15 12:00	10/15/15 20:46	75-34-3	
1,2-Dichloroethane	<0.86	ug/kg	4.4	0.86	1	10/15/15 12:00	10/15/15 20:46	107-06-2	
1,1-Dichloroethene	<2.0	ug/kg	4.4	2.0	1	10/15/15 12:00	10/15/15 20:46	75-35-4	
cis-1,2-Dichloroethene	<1.2	ug/kg	4.4	1.2	1	10/15/15 12:00	10/15/15 20:46	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/kg	4.4	1.1	1	10/15/15 12:00	10/15/15 20:46	156-60-5	
1,2-Dichloropropane	<1.1	ug/kg	4.4	1.1	1	10/15/15 12:00	10/15/15 20:46	78-87-5	
cis-1,3-Dichloropropene	<0.59	ug/kg	4.4	0.59	1	10/15/15 12:00	10/15/15 20:46	10061-01-5	
trans-1,3-Dichloropropene	<0.82	ug/kg	4.4	0.82	1	10/15/15 12:00	10/15/15 20:46	10061-02-6	
Ethylbenzene	<1.3	ug/kg	4.4	1.3	1	10/15/15 12:00	10/15/15 20:46	100-41-4	
2-Hexanone	<1.3	ug/kg	4.4	1.3	1	10/15/15 12:00	10/15/15 20:46	591-78-6	
Methylene Chloride	<1.6	ug/kg	4.4	1.6	1	10/15/15 12:00	10/15/15 20:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	<1.1	ug/kg	4.4	1.1	1	10/15/15 12:00	10/15/15 20:46	108-10-1	
Methyl-tert-butyl ether	<0.88	ug/kg	4.4	0.88	1	10/15/15 12:00	10/15/15 20:46	1634-04-4	
Styrene	<0.67	ug/kg	4.4	0.67	1	10/15/15 12:00	10/15/15 20:46	100-42-5	
1,1,2,2-Tetrachloroethane	<1.8	ug/kg	4.4	1.8	1	10/15/15 12:00	10/15/15 20:46	79-34-5	
Tetrachloroethene	<1.4	ug/kg	4.4	1.4	1	10/15/15 12:00	10/15/15 20:46	127-18-4	
Toluene	<1.3	ug/kg	4.4	1.3	1	10/15/15 12:00	10/15/15 20:46	108-88-3	
1,1,1-Trichloroethane	<1.4	ug/kg	4.4	1.4	1	10/15/15 12:00	10/15/15 20:46	71-55-6	
1,1,2-Trichloroethane	<1.7	ug/kg	4.4	1.7	1	10/15/15 12:00	10/15/15 20:46	79-00-5	
Trichloroethene	<1.7	ug/kg	4.4	1.7	1	10/15/15 12:00	10/15/15 20:46	79-01-6	
Vinyl chloride	<0.48	ug/kg	4.4	0.48	1	10/15/15 12:00	10/15/15 20:46	75-01-4	
Xylene (Total)	<3.9	ug/kg	13.2	3.9	1	10/15/15 12:00	10/15/15 20:46	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	106	%	70-130		1	10/15/15 12:00	10/15/15 20:46	1868-53-7	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-13 (0-3)-101315 **Lab ID: 40122822008** Collected: 10/13/15 11:05 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	116	%	67-138		1	10/15/15 12:00	10/15/15 20:46	2037-26-5	
4-Bromofluorobenzene (S)	78	%	68-130		1	10/15/15 12:00	10/15/15 20:46	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	9.8	%	0.10	0.10	1		10/14/15 18:06		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	7.72	Std. Units	0.100	0.0100	1		10/15/15 15:30		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-11 (0-4)-101315 Lab ID: 40122822014 Collected: 10/13/15 08:45 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.098	mg/kg	2.9	0.098	1	10/19/15 08:23	10/21/15 16:54	7440-36-0	
Arsenic	5.3	mg/kg	0.98	0.27	1	10/19/15 08:23	10/21/15 16:54	7440-38-2	
Barium	38.6	mg/kg	19.6	0.26	1	10/19/15 08:23	10/21/15 16:54	7440-39-3	
Beryllium	0.27J	mg/kg	0.49	0.078	1	10/19/15 08:23	10/21/15 16:54	7440-41-7	
Cadmium	0.20J	mg/kg	0.49	0.063	1	10/19/15 08:23	10/21/15 16:54	7440-43-9	
Calcium	57600	mg/kg	982	26.2	10	10/19/15 08:23	10/21/15 17:21	7440-70-2	
Chromium	11.5	mg/kg	0.98	0.30	1	10/19/15 08:23	10/21/15 16:54	7440-47-3	
Cobalt	7.0	mg/kg	0.98	0.13	1	10/19/15 08:23	10/21/15 16:54	7440-48-4	
Copper	15.5	mg/kg	0.98	0.36	1	10/19/15 08:23	10/21/15 16:54	7440-50-8	
Iron	13100	mg/kg	4.9	0.76	1	10/19/15 08:23	10/21/15 16:54	7439-89-6	
Lead	15.4	mg/kg	0.49	0.27	1	10/19/15 08:23	10/21/15 16:54	7439-92-1	
Magnesium	32400	mg/kg	98.2	2.8	1	10/19/15 08:23	10/21/15 16:54	7439-95-4	
Manganese	417	mg/kg	0.98	0.18	1	10/19/15 08:23	10/21/15 16:54	7439-96-5	
Nickel	10.2	mg/kg	3.9	1.0	1	10/19/15 08:23	10/21/15 16:54	7440-02-0	
Potassium	759	mg/kg	98.2	3.1	1	10/19/15 08:23	10/21/15 16:54	7440-09-7	
Selenium	0.70J	mg/kg	2.0	0.20	1	10/19/15 08:23	10/21/15 16:54	7782-49-2	
Silver	<0.070	mg/kg	0.98	0.070	1	10/19/15 08:23	10/21/15 16:54	7440-22-4	
Sodium	1460	mg/kg	98.2	16.5	1	10/19/15 08:23	10/21/15 16:54	7440-23-5	
Thallium	<0.15	mg/kg	0.49	0.15	1	10/19/15 08:23	10/21/15 16:54	7440-28-0	
Vanadium	20.7	mg/kg	4.9	0.30	1	10/19/15 08:23	10/21/15 16:54	7440-62-2	
Zinc	49.4	mg/kg	2.0	0.46	1	10/19/15 08:23	10/21/15 16:54	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/18/15 11:00

Arsenic	0.0053J	mg/L	0.010	0.0026	1	10/20/15 07:44	10/21/15 12:00	7440-38-2	
Barium	0.36	mg/L	0.20	0.0037	1	10/20/15 07:44	10/21/15 12:00	7440-39-3	
Beryllium	<0.00025	mg/L	0.0050	0.00025	1	10/20/15 07:44	10/21/15 12:00	7440-41-7	
Cadmium	<0.00027	mg/L	0.0050	0.00027	1	10/20/15 07:44	10/21/15 12:00	7440-43-9	
Chromium	0.011	mg/L	0.010	0.0018	1	10/20/15 07:44	10/21/15 12:00	7440-47-3	
Cobalt	0.0026J	mg/L	0.010	0.00050	1	10/20/15 07:44	10/21/15 12:00	7440-48-4	
Copper	0.013	mg/L	0.010	0.0024	1	10/20/15 07:44	10/21/15 12:00	7440-50-8	
Iron	11.7	mg/L	0.050	0.0073	1	10/20/15 07:44	10/21/15 12:00	7439-89-6	
Lead	0.0084	mg/L	0.0050	0.00084	1	10/20/15 07:44	10/21/15 12:00	7439-92-1	
Manganese	0.14	mg/L	0.010	0.00065	1	10/20/15 07:44	10/21/15 12:00	7439-96-5	
Nickel	0.0092J	mg/L	0.040	0.00041	1	10/20/15 07:44	10/21/15 12:00	7440-02-0	
Selenium	<0.0024	mg/L	0.020	0.0024	1	10/20/15 07:44	10/21/15 12:00	7782-49-2	
Silver	<0.00032	mg/L	0.010	0.00032	1	10/20/15 07:44	10/21/15 12:00	7440-22-4	
Zinc	0.093	mg/L	0.020	0.00076	1	10/20/15 07:44	10/21/15 12:00	7440-66-6	

6010 Metals, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/21/15 17:00

Arsenic	<0.0053	mg/L	0.20	0.0053	1	10/22/15 12:12	10/22/15 16:53	7440-38-2	
Barium	0.23J	mg/L	2.0	0.0010	1	10/22/15 12:12	10/22/15 16:53	7440-39-3	B
Beryllium	<0.00050	mg/L	0.20	0.00050	1	10/22/15 12:12	10/22/15 16:53	7440-41-7	
Cadmium	0.00054J	mg/L	0.10	0.00054	1	10/22/15 12:12	10/22/15 16:53	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-11 (0-4)-101315 Lab ID: 4012282014 Collected: 10/13/15 08:45 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Chromium	<0.0037	mg/L	0.20	0.0037	1	10/22/15 12:12	10/22/15 16:53	7440-47-3	
Cobalt	<0.0010	mg/L	0.20	0.0010	1	10/22/15 12:12	10/22/15 16:53	7440-48-4	
Copper	0.0057J	mg/L	0.20	0.0048	1	10/22/15 12:12	10/22/15 16:53	7440-50-8	B
Iron	<0.015	mg/L	1.0	0.015	1	10/22/15 12:12	10/22/15 16:53	7439-89-6	
Lead	<0.0017	mg/L	0.20	0.0017	1	10/22/15 12:12	10/22/15 16:53	7439-92-1	
Manganese	0.28	mg/L	0.13	0.0013	1	10/22/15 12:12	10/22/15 16:53	7439-96-5	
Nickel	0.0030J	mg/L	0.20	0.00082	1	10/22/15 12:12	10/22/15 16:53	7440-02-0	
Selenium	0.0054J	mg/L	0.20	0.0049	1	10/22/15 12:12	10/22/15 16:53	7782-49-2	
Silver	<0.00065	mg/L	0.20	0.00065	1	10/22/15 12:12	10/22/15 16:53	7440-22-4	
Zinc	0.13J	mg/L	0.20	0.0015	1	10/22/15 12:12	10/22/15 16:53	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/18/15 11:00									
Mercury	0.000030J	mg/L	0.00020	0.000024	1	10/20/15 07:58	10/21/15 10:55	7439-97-6	B
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Mercury	<0.000024	mg/L	0.00020	0.000024	1	10/22/15 12:12	10/22/15 16:03	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.021	mg/kg	0.021	0.010	1	10/19/15 09:47	10/20/15 15:41	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<63.9	ug/kg	213	63.9	1	10/16/15 09:58	10/19/15 11:25	83-32-9	
Acenaphthylene	<64.3	ug/kg	214	64.3	1	10/16/15 09:58	10/19/15 11:25	208-96-8	
Anthracene	<28.8	ug/kg	96.0	28.8	1	10/16/15 09:58	10/19/15 11:25	120-12-7	
Benzo(a)anthracene	<27.9	ug/kg	93.1	27.9	1	10/16/15 09:58	10/19/15 11:25	56-55-3	
Benzo(a)pyrene	<27.1	ug/kg	90.4	27.1	1	10/16/15 09:58	10/19/15 11:25	50-32-8	
Benzo(b)fluoranthene	<31.0	ug/kg	103	31.0	1	10/16/15 09:58	10/19/15 11:25	205-99-2	
Benzo(g,h,i)perylene	<47.2	ug/kg	157	47.2	1	10/16/15 09:58	10/19/15 11:25	191-24-2	
Benzo(k)fluoranthene	<43.2	ug/kg	144	43.2	1	10/16/15 09:58	10/19/15 11:25	207-08-9	
4-Bromophenylphenyl ether	<37.8	ug/kg	126	37.8	1	10/16/15 09:58	10/19/15 11:25	101-55-3	
Butylbenzylphthalate	<28.9	ug/kg	96.4	28.9	1	10/16/15 09:58	10/19/15 11:25	85-68-7	
Carbazole	<28.2	ug/kg	94.1	28.2	1	10/16/15 09:58	10/19/15 11:25	86-74-8	
4-Chloro-3-methylphenol	<56.1	ug/kg	187	56.1	1	10/16/15 09:58	10/19/15 11:25	59-50-7	
4-Chloroaniline	<29.6	ug/kg	98.7	29.6	1	10/16/15 09:58	10/19/15 11:25	106-47-8	
bis(2-Chloroethoxy)methane	<48.6	ug/kg	162	48.6	1	10/16/15 09:58	10/19/15 11:25	111-91-1	
bis(2-Chloroethyl) ether	<56.3	ug/kg	188	56.3	1	10/16/15 09:58	10/19/15 11:25	111-44-4	
2-Chloronaphthalene	<23.1	ug/kg	77.2	23.1	1	10/16/15 09:58	10/19/15 11:25	91-58-7	
2-Chlorophenol	<45.0	ug/kg	150	45.0	1	10/16/15 09:58	10/19/15 11:25	95-57-8	
4-Chlorophenylphenyl ether	<33.6	ug/kg	112	33.6	1	10/16/15 09:58	10/19/15 11:25	7005-72-3	
Chrysene	<27.0	ug/kg	89.8	27.0	1	10/16/15 09:58	10/19/15 11:25	218-01-9	
Dibenz(a,h)anthracene	<49.0	ug/kg	163	49.0	1	10/16/15 09:58	10/19/15 11:25	53-70-3	
Dibenzofuran	<21.8	ug/kg	72.7	21.8	1	10/16/15 09:58	10/19/15 11:25	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Lab Project No.: 40122822

Sample: SR-11 (0-4)-101315 Lab ID: 40122822014 Collected: 10/13/15 08:45 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<56.7	ug/kg	189	56.7	1	10/16/15 09:58	10/19/15 11:25	95-50-1	
1,3-Dichlorobenzene	<25.0	ug/kg	83.2	25.0	1	10/16/15 09:58	10/19/15 11:25	541-73-1	
1,4-Dichlorobenzene	<25.1	ug/kg	83.7	25.1	1	10/16/15 09:58	10/19/15 11:25	106-46-7	
3,3'-Dichlorobenzidine	<48.9	ug/kg	163	48.9	1	10/16/15 09:58	10/19/15 11:25	91-94-1	
2,4-Dichlorophenol	<48.2	ug/kg	161	48.2	1	10/16/15 09:58	10/19/15 11:25	120-83-2	
Diethylphthalate	<29.9	ug/kg	99.6	29.9	1	10/16/15 09:58	10/19/15 11:25	84-66-2	
2,4-Dimethylphenol	<35.6	ug/kg	119	35.6	1	10/16/15 09:58	10/19/15 11:25	105-67-9	
Dimethylphthalate	<23.5	ug/kg	78.2	23.5	1	10/16/15 09:58	10/19/15 11:25	131-11-3	
Di-n-butylphthalate	<26.9	ug/kg	89.8	26.9	1	10/16/15 09:58	10/19/15 11:25	84-74-2	
4,6-Dinitro-2-methylphenol	<55.6	ug/kg	185	55.6	1	10/16/15 09:58	10/19/15 11:25	534-52-1	
2,4-Dinitrophenol	<54.9	ug/kg	183	54.9	1	10/16/15 09:58	10/19/15 11:25	51-28-5	
2,4-Dinitrotoluene	<25.8	ug/kg	85.9	25.8	1	10/16/15 09:58	10/19/15 11:25	121-14-2	
2,6-Dinitrotoluene	<34.2	ug/kg	114	34.2	1	10/16/15 09:58	10/19/15 11:25	606-20-2	
Di-n-octylphthalate	<40.5	ug/kg	135	40.5	1	10/16/15 09:58	10/19/15 11:25	117-84-0	
bis(2-Ethylhexyl)phthalate	<30.0	ug/kg	99.9	30.0	1	10/16/15 09:58	10/19/15 11:25	117-81-7	
Fluoranthene	<25.5	ug/kg	85.0	25.5	1	10/16/15 09:58	10/19/15 11:25	206-44-0	
Fluorene	<21.1	ug/kg	70.2	21.1	1	10/16/15 09:58	10/19/15 11:25	86-73-7	
Hexachloro-1,3-butadiene	<45.9	ug/kg	153	45.9	1	10/16/15 09:58	10/19/15 11:25	87-68-3	
Hexachlorobenzene	<30.3	ug/kg	101	30.3	1	10/16/15 09:58	10/19/15 11:25	118-74-1	
Hexachlorocyclopentadiene	<42.7	ug/kg	142	42.7	1	10/16/15 09:58	10/19/15 11:25	77-47-4	
Hexachloroethane	<28.9	ug/kg	96.2	28.9	1	10/16/15 09:58	10/19/15 11:25	67-72-1	
Indeno(1,2,3-cd)pyrene	<39.0	ug/kg	130	39.0	1	10/16/15 09:58	10/19/15 11:25	193-39-5	
Isophorone	<27.7	ug/kg	92.4	27.7	1	10/16/15 09:58	10/19/15 11:25	78-59-1	
2-Methylnaphthalene	<46.8	ug/kg	156	46.8	1	10/16/15 09:58	10/19/15 11:25	91-57-6	
2-Methylphenol(o-Cresol)	<32.8	ug/kg	109	32.8	1	10/16/15 09:58	10/19/15 11:25	95-48-7	
3&4-Methylphenol(m&p Cresol)	<33.0	ug/kg	110	33.0	1	10/16/15 09:58	10/19/15 11:25		
Naphthalene	<63.0	ug/kg	210	63.0	1	10/16/15 09:58	10/19/15 11:25	91-20-3	
2-Nitroaniline	<51.4	ug/kg	171	51.4	1	10/16/15 09:58	10/19/15 11:25	88-74-4	
3-Nitroaniline	<30.7	ug/kg	102	30.7	1	10/16/15 09:58	10/19/15 11:25	99-09-2	
4-Nitroaniline	<74.8	ug/kg	249	74.8	1	10/16/15 09:58	10/19/15 11:25	100-01-6	
Nitrobenzene	<36.6	ug/kg	122	36.6	1	10/16/15 09:58	10/19/15 11:25	98-95-3	
2-Nitrophenol	<56.9	ug/kg	190	56.9	1	10/16/15 09:58	10/19/15 11:25	88-75-5	
4-Nitrophenol	<45.4	ug/kg	151	45.4	1	10/16/15 09:58	10/19/15 11:25	100-02-7	
N-Nitroso-di-n-propylamine	<28.6	ug/kg	95.3	28.6	1	10/16/15 09:58	10/19/15 11:25	621-64-7	
N-Nitrosodiphenylamine	<245	ug/kg	815	245	1	10/16/15 09:58	10/19/15 11:25	86-30-6	
2,2'-Oxybis(1-chloropropane)	<46.5	ug/kg	155	46.5	1	10/16/15 09:58	10/19/15 11:25	108-60-1	
Pentachlorophenol	<39.7	ug/kg	132	39.7	1	10/16/15 09:58	10/19/15 11:25	87-86-5	
Phenanthrene	<23.1	ug/kg	77.1	23.1	1	10/16/15 09:58	10/19/15 11:25	85-01-8	
Phenol	<42.8	ug/kg	143	42.8	1	10/16/15 09:58	10/19/15 11:25	108-95-2	
Pyrene	<40.0	ug/kg	133	40.0	1	10/16/15 09:58	10/19/15 11:25	129-00-0	
1,2,4-Trichlorobenzene	<20.4	ug/kg	67.9	20.4	1	10/16/15 09:58	10/19/15 11:25	120-82-1	
2,4,5-Trichlorophenol	<31.8	ug/kg	106	31.8	1	10/16/15 09:58	10/19/15 11:25	95-95-4	
2,4,6-Trichlorophenol	<27.5	ug/kg	91.6	27.5	1	10/16/15 09:58	10/19/15 11:25	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	87	%	45-130		1	10/16/15 09:58	10/19/15 11:25	4165-60-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-11 (0-4)-101315 **Lab ID: 40122822014** Collected: 10/13/15 08:45 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	82	%	51-130		1	10/16/15 09:58	10/19/15 11:25	321-60-8	
Terphenyl-d14 (S)	86	%	37-134		1	10/16/15 09:58	10/19/15 11:25	1718-51-0	
Phenol-d6 (S)	78	%	36-130		1	10/16/15 09:58	10/19/15 11:25	13127-88-3	
2-Fluorophenol (S)	79	%	37-130		1	10/16/15 09:58	10/19/15 11:25	367-12-4	
2,4,6-Tribromophenol (S)	81	%	30-130		1	10/16/15 09:58	10/19/15 11:25	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.2	ug/kg	13.6	4.2	1	10/15/15 12:00	10/15/15 23:02	67-64-1	2q
Benzene	<1.1	ug/kg	3.4	1.1	1	10/15/15 12:00	10/15/15 23:02	71-43-2	
Bromodichloromethane	<0.75	ug/kg	3.4	0.75	1	10/15/15 12:00	10/15/15 23:02	75-27-4	
Bromoform	<0.58	ug/kg	3.4	0.58	1	10/15/15 12:00	10/15/15 23:02	75-25-2	
Bromomethane	<1.0	ug/kg	6.8	1.0	1	10/15/15 12:00	10/15/15 23:02	74-83-9	
2-Butanone (MEK)	<1.9	ug/kg	13.6	1.9	1	10/15/15 12:00	10/15/15 23:02	78-93-3	
Carbon disulfide	<0.88	ug/kg	3.4	0.88	1	10/15/15 12:00	10/15/15 23:02	75-15-0	
Carbon tetrachloride	<1.1	ug/kg	3.4	1.1	1	10/15/15 12:00	10/15/15 23:02	56-23-5	
Chlorobenzene	<1.1	ug/kg	3.4	1.1	1	10/15/15 12:00	10/15/15 23:02	108-90-7	
Chloroethane	<1.4	ug/kg	3.4	1.4	1	10/15/15 12:00	10/15/15 23:02	75-00-3	
Chloroform	<0.64	ug/kg	3.4	0.64	1	10/15/15 12:00	10/15/15 23:02	67-66-3	
Chloromethane	<0.38	ug/kg	3.4	0.38	1	10/15/15 12:00	10/15/15 23:02	74-87-3	
Dibromochloromethane	<1.2	ug/kg	3.4	1.2	1	10/15/15 12:00	10/15/15 23:02	124-48-1	
1,1-Dichloroethane	<1.6	ug/kg	3.4	1.6	1	10/15/15 12:00	10/15/15 23:02	75-34-3	
1,2-Dichloroethane	<0.67	ug/kg	3.4	0.67	1	10/15/15 12:00	10/15/15 23:02	107-06-2	
1,1-Dichloroethene	<1.5	ug/kg	3.4	1.5	1	10/15/15 12:00	10/15/15 23:02	75-35-4	
cis-1,2-Dichloroethene	<0.90	ug/kg	3.4	0.90	1	10/15/15 12:00	10/15/15 23:02	156-59-2	
trans-1,2-Dichloroethene	<0.84	ug/kg	3.4	0.84	1	10/15/15 12:00	10/15/15 23:02	156-60-5	
1,2-Dichloropropane	<0.86	ug/kg	3.4	0.86	1	10/15/15 12:00	10/15/15 23:02	78-87-5	
cis-1,3-Dichloropropene	<0.45	ug/kg	3.4	0.45	1	10/15/15 12:00	10/15/15 23:02	10061-01-5	
trans-1,3-Dichloropropene	<0.63	ug/kg	3.4	0.63	1	10/15/15 12:00	10/15/15 23:02	10061-02-6	
Ethylbenzene	<0.98	ug/kg	3.4	0.98	1	10/15/15 12:00	10/15/15 23:02	100-41-4	
2-Hexanone	<1.0	ug/kg	3.4	1.0	1	10/15/15 12:00	10/15/15 23:02	591-78-6	
Methylene Chloride	<1.3	ug/kg	3.4	1.3	1	10/15/15 12:00	10/15/15 23:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.84	ug/kg	3.4	0.84	1	10/15/15 12:00	10/15/15 23:02	108-10-1	
Methyl-tert-butyl ether	<0.68	ug/kg	3.4	0.68	1	10/15/15 12:00	10/15/15 23:02	1634-04-4	
Styrene	<0.52	ug/kg	3.4	0.52	1	10/15/15 12:00	10/15/15 23:02	100-42-5	
1,1,2,2-Tetrachloroethane	<1.4	ug/kg	3.4	1.4	1	10/15/15 12:00	10/15/15 23:02	79-34-5	
Tetrachloroethene	<1.1	ug/kg	3.4	1.1	1	10/15/15 12:00	10/15/15 23:02	127-18-4	
Toluene	<1.0	ug/kg	3.4	1.0	1	10/15/15 12:00	10/15/15 23:02	108-88-3	
1,1,1-Trichloroethane	<1.1	ug/kg	3.4	1.1	1	10/15/15 12:00	10/15/15 23:02	71-55-6	
1,1,2-Trichloroethane	<1.3	ug/kg	3.4	1.3	1	10/15/15 12:00	10/15/15 23:02	79-00-5	
Trichloroethene	<1.3	ug/kg	3.4	1.3	1	10/15/15 12:00	10/15/15 23:02	79-01-6	
Vinyl chloride	<0.37	ug/kg	3.4	0.37	1	10/15/15 12:00	10/15/15 23:02	75-01-4	
Xylene (Total)	<3.1	ug/kg	10.2	3.1	1	10/15/15 12:00	10/15/15 23:02	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	108	%	70-130		1	10/15/15 12:00	10/15/15 23:02	1868-53-7	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-11 (0-4)-101315 **Lab ID: 40122822014** Collected: 10/13/15 08:45 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	100	%	67-138		1	10/15/15 12:00	10/15/15 23:02	2037-26-5	
4-Bromofluorobenzene (S)	96	%	68-130		1	10/15/15 12:00	10/15/15 23:02	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	7.4	%	0.10	0.10	1		10/14/15 18:06		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.66	Std. Units	0.100	0.0100	1		10/15/15 19:15		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-11 (0-4)-101315D Lab ID: 4012282015 Collected: 10/13/15 08:45 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.11	mg/kg	3.4	0.11	1	10/19/15 08:23	10/21/15 16:58	7440-36-0	
Arsenic	4.8	mg/kg	1.1	0.31	1	10/19/15 08:23	10/21/15 16:58	7440-38-2	
Barium	40.4	mg/kg	22.7	0.30	1	10/19/15 08:23	10/21/15 16:58	7440-39-3	
Beryllium	0.23J	mg/kg	0.57	0.090	1	10/19/15 08:23	10/21/15 16:58	7440-41-7	
Cadmium	0.21J	mg/kg	0.57	0.073	1	10/19/15 08:23	10/21/15 16:58	7440-43-9	
Calcium	43900	mg/kg	114	3.0	1	10/19/15 08:23	10/21/15 16:58	7440-70-2	
Chromium	11.1	mg/kg	1.1	0.34	1	10/19/15 08:23	10/21/15 16:58	7440-47-3	
Cobalt	5.5	mg/kg	1.1	0.15	1	10/19/15 08:23	10/21/15 16:58	7440-48-4	
Copper	14.5	mg/kg	1.1	0.42	1	10/19/15 08:23	10/21/15 16:58	7440-50-8	
Iron	12600	mg/kg	5.7	0.88	1	10/19/15 08:23	10/21/15 16:58	7439-89-6	
Lead	16.6	mg/kg	0.57	0.31	1	10/19/15 08:23	10/21/15 16:58	7439-92-1	
Magnesium	27400	mg/kg	114	3.2	1	10/19/15 08:23	10/21/15 16:58	7439-95-4	
Manganese	437	mg/kg	1.1	0.21	1	10/19/15 08:23	10/21/15 16:58	7439-96-5	
Nickel	9.7	mg/kg	4.5	1.2	1	10/19/15 08:23	10/21/15 16:58	7440-02-0	
Potassium	741	mg/kg	114	3.6	1	10/19/15 08:23	10/21/15 16:58	7440-09-7	
Selenium	0.58J	mg/kg	2.3	0.23	1	10/19/15 08:23	10/21/15 16:58	7782-49-2	
Silver	<0.081	mg/kg	1.1	0.081	1	10/19/15 08:23	10/21/15 16:58	7440-22-4	
Sodium	1360	mg/kg	114	19.1	1	10/19/15 08:23	10/21/15 16:58	7440-23-5	
Thallium	<0.17	mg/kg	0.57	0.17	1	10/19/15 08:23	10/21/15 16:58	7440-28-0	
Vanadium	18.9	mg/kg	5.7	0.35	1	10/19/15 08:23	10/21/15 16:58	7440-62-2	
Zinc	46.7	mg/kg	2.3	0.53	1	10/19/15 08:23	10/21/15 16:58	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/18/15 11:00

Arsenic	0.0066J	mg/L	0.010	0.0026	1	10/20/15 07:44	10/21/15 12:04	7440-38-2	
Barium	0.11J	mg/L	0.20	0.0037	1	10/20/15 07:44	10/21/15 12:04	7440-39-3	
Beryllium	0.00029J	mg/L	0.0050	0.00025	1	10/20/15 07:44	10/21/15 12:04	7440-41-7	
Cadmium	<0.00027	mg/L	0.0050	0.00027	1	10/20/15 07:44	10/21/15 12:04	7440-43-9	
Chromium	0.015	mg/L	0.010	0.0018	1	10/20/15 07:44	10/21/15 12:04	7440-47-3	
Cobalt	0.0039J	mg/L	0.010	0.00050	1	10/20/15 07:44	10/21/15 12:04	7440-48-4	
Copper	0.017	mg/L	0.010	0.0024	1	10/20/15 07:44	10/21/15 12:04	7440-50-8	
Iron	16.0	mg/L	0.050	0.0073	1	10/20/15 07:44	10/21/15 12:04	7439-89-6	
Lead	0.012	mg/L	0.0050	0.00084	1	10/20/15 07:44	10/21/15 12:04	7439-92-1	
Manganese	0.23	mg/L	0.010	0.00065	1	10/20/15 07:44	10/21/15 12:04	7439-96-5	
Nickel	0.012J	mg/L	0.040	0.00041	1	10/20/15 07:44	10/21/15 12:04	7440-02-0	
Selenium	<0.0024	mg/L	0.020	0.0024	1	10/20/15 07:44	10/21/15 12:04	7782-49-2	
Silver	<0.00032	mg/L	0.010	0.00032	1	10/20/15 07:44	10/21/15 12:04	7440-22-4	
Zinc	0.053	mg/L	0.020	0.00076	1	10/20/15 07:44	10/21/15 12:04	7440-66-6	B

6010 Metals, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/21/15 17:00

Arsenic	<0.0053	mg/L	0.20	0.0053	1	10/22/15 12:12	10/22/15 16:57	7440-38-2	
Barium	0.29J	mg/L	2.0	0.0010	1	10/22/15 12:12	10/22/15 16:57	7440-39-3	B
Beryllium	<0.00050	mg/L	0.20	0.00050	1	10/22/15 12:12	10/22/15 16:57	7440-41-7	
Cadmium	0.00088J	mg/L	0.10	0.00054	1	10/22/15 12:12	10/22/15 16:57	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-11 (0-4)-101315D Lab ID: 4012282015 Collected: 10/13/15 08:45 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Chromium	0.0046J	mg/L	0.20	0.0037	1	10/22/15 12:12	10/22/15 16:57	7440-47-3	
Cobalt	0.0025J	mg/L	0.20	0.0010	1	10/22/15 12:12	10/22/15 16:57	7440-48-4	
Copper	<0.0048	mg/L	0.20	0.0048	1	10/22/15 12:12	10/22/15 16:57	7440-50-8	
Iron	0.018J	mg/L	1.0	0.015	1	10/22/15 12:12	10/22/15 16:57	7439-89-6	
Lead	<0.0017	mg/L	0.20	0.0017	1	10/22/15 12:12	10/22/15 16:57	7439-92-1	
Manganese	2.0	mg/L	0.13	0.0013	1	10/22/15 12:12	10/22/15 16:57	7439-96-5	
Nickel	0.0091J	mg/L	0.20	0.00082	1	10/22/15 12:12	10/22/15 16:57	7440-02-0	
Selenium	0.0052J	mg/L	0.20	0.0049	1	10/22/15 12:12	10/22/15 16:57	7782-49-2	
Silver	<0.00065	mg/L	0.20	0.00065	1	10/22/15 12:12	10/22/15 16:57	7440-22-4	
Zinc	0.12J	mg/L	0.20	0.0015	1	10/22/15 12:12	10/22/15 16:57	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/18/15 11:00									
Mercury	0.000030J	mg/L	0.00020	0.000024	1	10/20/15 07:58	10/21/15 10:58	7439-97-6	B
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Mercury	<0.000024	mg/L	0.00020	0.000024	1	10/22/15 12:12	10/22/15 16:10	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.019	mg/kg	0.015	0.0074	1	10/19/15 09:47	10/20/15 15:43	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<68.6	ug/kg	229	68.6	1	10/16/15 09:58	10/19/15 12:08	83-32-9	
Acenaphthylene	<69.0	ug/kg	230	69.0	1	10/16/15 09:58	10/19/15 12:08	208-96-8	
Anthracene	<30.9	ug/kg	103	30.9	1	10/16/15 09:58	10/19/15 12:08	120-12-7	
Benzo(a)anthracene	<29.9	ug/kg	99.8	29.9	1	10/16/15 09:58	10/19/15 12:08	56-55-3	
Benzo(a)pyrene	<29.1	ug/kg	97.0	29.1	1	10/16/15 09:58	10/19/15 12:08	50-32-8	
Benzo(b)fluoranthene	<33.2	ug/kg	111	33.2	1	10/16/15 09:58	10/19/15 12:08	205-99-2	
Benzo(g,h,i)perylene	<50.6	ug/kg	169	50.6	1	10/16/15 09:58	10/19/15 12:08	191-24-2	
Benzo(k)fluoranthene	<46.3	ug/kg	154	46.3	1	10/16/15 09:58	10/19/15 12:08	207-08-9	
4-Bromophenylphenyl ether	<40.5	ug/kg	135	40.5	1	10/16/15 09:58	10/19/15 12:08	101-55-3	
Butylbenzylphthalate	<31.0	ug/kg	103	31.0	1	10/16/15 09:58	10/19/15 12:08	85-68-7	
Carbazole	<30.3	ug/kg	101	30.3	1	10/16/15 09:58	10/19/15 12:08	86-74-8	
4-Chloro-3-methylphenol	<60.2	ug/kg	201	60.2	1	10/16/15 09:58	10/19/15 12:08	59-50-7	
4-Chloroaniline	<31.8	ug/kg	106	31.8	1	10/16/15 09:58	10/19/15 12:08	106-47-8	
bis(2-Chloroethoxy)methane	<52.1	ug/kg	174	52.1	1	10/16/15 09:58	10/19/15 12:08	111-91-1	
bis(2-Chloroethyl) ether	<60.4	ug/kg	201	60.4	1	10/16/15 09:58	10/19/15 12:08	111-44-4	
2-Chloronaphthalene	<24.8	ug/kg	82.7	24.8	1	10/16/15 09:58	10/19/15 12:08	91-58-7	
2-Chlorophenol	<48.3	ug/kg	161	48.3	1	10/16/15 09:58	10/19/15 12:08	95-57-8	
4-Chlorophenylphenyl ether	<36.0	ug/kg	120	36.0	1	10/16/15 09:58	10/19/15 12:08	7005-72-3	
Chrysene	<28.9	ug/kg	96.4	28.9	1	10/16/15 09:58	10/19/15 12:08	218-01-9	
Dibenz(a,h)anthracene	<52.5	ug/kg	175	52.5	1	10/16/15 09:58	10/19/15 12:08	53-70-3	
Dibenzofuran	<23.4	ug/kg	78.0	23.4	1	10/16/15 09:58	10/19/15 12:08	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-11 (0-4)-101315D Lab ID: 40122822015 Collected: 10/13/15 08:45 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<60.8	ug/kg	203	60.8	1	10/16/15 09:58	10/19/15 12:08	95-50-1	
1,3-Dichlorobenzene	<26.8	ug/kg	89.2	26.8	1	10/16/15 09:58	10/19/15 12:08	541-73-1	
1,4-Dichlorobenzene	<26.9	ug/kg	89.8	26.9	1	10/16/15 09:58	10/19/15 12:08	106-46-7	
3,3'-Dichlorobenzidine	<52.5	ug/kg	175	52.5	1	10/16/15 09:58	10/19/15 12:08	91-94-1	
2,4-Dichlorophenol	<51.7	ug/kg	172	51.7	1	10/16/15 09:58	10/19/15 12:08	120-83-2	
Diethylphthalate	<32.1	ug/kg	107	32.1	1	10/16/15 09:58	10/19/15 12:08	84-66-2	
2,4-Dimethylphenol	<38.2	ug/kg	127	38.2	1	10/16/15 09:58	10/19/15 12:08	105-67-9	
Dimethylphthalate	<25.1	ug/kg	83.8	25.1	1	10/16/15 09:58	10/19/15 12:08	131-11-3	
Di-n-butylphthalate	<28.9	ug/kg	96.3	28.9	1	10/16/15 09:58	10/19/15 12:08	84-74-2	
4,6-Dinitro-2-methylphenol	<59.6	ug/kg	199	59.6	1	10/16/15 09:58	10/19/15 12:08	534-52-1	
2,4-Dinitrophenol	<58.9	ug/kg	196	58.9	1	10/16/15 09:58	10/19/15 12:08	51-28-5	
2,4-Dinitrotoluene	<27.6	ug/kg	92.2	27.6	1	10/16/15 09:58	10/19/15 12:08	121-14-2	
2,6-Dinitrotoluene	<36.7	ug/kg	122	36.7	1	10/16/15 09:58	10/19/15 12:08	606-20-2	
Di-n-octylphthalate	<43.5	ug/kg	145	43.5	1	10/16/15 09:58	10/19/15 12:08	117-84-0	
bis(2-Ethylhexyl)phthalate	<32.1	ug/kg	107	32.1	1	10/16/15 09:58	10/19/15 12:08	117-81-7	
Fluoranthene	<27.4	ug/kg	91.2	27.4	1	10/16/15 09:58	10/19/15 12:08	206-44-0	
Fluorene	<22.6	ug/kg	75.3	22.6	1	10/16/15 09:58	10/19/15 12:08	86-73-7	
Hexachloro-1,3-butadiene	<49.3	ug/kg	164	49.3	1	10/16/15 09:58	10/19/15 12:08	87-68-3	
Hexachlorobenzene	<32.5	ug/kg	108	32.5	1	10/16/15 09:58	10/19/15 12:08	118-74-1	
Hexachlorocyclopentadiene	<45.8	ug/kg	153	45.8	1	10/16/15 09:58	10/19/15 12:08	77-47-4	
Hexachloroethane	<30.9	ug/kg	103	30.9	1	10/16/15 09:58	10/19/15 12:08	67-72-1	
Indeno(1,2,3-cd)pyrene	<41.8	ug/kg	139	41.8	1	10/16/15 09:58	10/19/15 12:08	193-39-5	
Isophorone	<29.7	ug/kg	99.1	29.7	1	10/16/15 09:58	10/19/15 12:08	78-59-1	
2-Methylnaphthalene	<50.2	ug/kg	167	50.2	1	10/16/15 09:58	10/19/15 12:08	91-57-6	
2-Methylphenol(o-Cresol)	<35.1	ug/kg	117	35.1	1	10/16/15 09:58	10/19/15 12:08	95-48-7	
3&4-Methylphenol(m&p Cresol)	<35.4	ug/kg	118	35.4	1	10/16/15 09:58	10/19/15 12:08		
Naphthalene	<67.6	ug/kg	225	67.6	1	10/16/15 09:58	10/19/15 12:08	91-20-3	
2-Nitroaniline	<55.1	ug/kg	184	55.1	1	10/16/15 09:58	10/19/15 12:08	88-74-4	
3-Nitroaniline	<32.9	ug/kg	110	32.9	1	10/16/15 09:58	10/19/15 12:08	99-09-2	
4-Nitroaniline	<80.2	ug/kg	267	80.2	1	10/16/15 09:58	10/19/15 12:08	100-01-6	
Nitrobenzene	<39.2	ug/kg	131	39.2	1	10/16/15 09:58	10/19/15 12:08	98-95-3	
2-Nitrophenol	<61.0	ug/kg	203	61.0	1	10/16/15 09:58	10/19/15 12:08	88-75-5	
4-Nitrophenol	<48.7	ug/kg	162	48.7	1	10/16/15 09:58	10/19/15 12:08	100-02-7	
N-Nitroso-di-n-propylamine	<30.7	ug/kg	102	30.7	1	10/16/15 09:58	10/19/15 12:08	621-64-7	
N-Nitrosodiphenylamine	<262	ug/kg	874	262	1	10/16/15 09:58	10/19/15 12:08	86-30-6	
2,2'-Oxybis(1-chloropropane)	<49.9	ug/kg	166	49.9	1	10/16/15 09:58	10/19/15 12:08	108-60-1	
Pentachlorophenol	<42.6	ug/kg	142	42.6	1	10/16/15 09:58	10/19/15 12:08	87-86-5	
Phenanthrene	<24.8	ug/kg	82.7	24.8	1	10/16/15 09:58	10/19/15 12:08	85-01-8	
Phenol	<45.9	ug/kg	153	45.9	1	10/16/15 09:58	10/19/15 12:08	108-95-2	
Pyrene	<42.9	ug/kg	143	42.9	1	10/16/15 09:58	10/19/15 12:08	129-00-0	
1,2,4-Trichlorobenzene	<21.9	ug/kg	72.9	21.9	1	10/16/15 09:58	10/19/15 12:08	120-82-1	
2,4,5-Trichlorophenol	<34.2	ug/kg	114	34.2	1	10/16/15 09:58	10/19/15 12:08	95-95-4	
2,4,6-Trichlorophenol	<29.5	ug/kg	98.3	29.5	1	10/16/15 09:58	10/19/15 12:08	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	69	%	45-130		1	10/16/15 09:58	10/19/15 12:08	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-11 (0-4)-101315D **Lab ID: 40122822015** Collected: 10/13/15 08:45 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

2-Fluorobiphenyl (S)	65	%	51-130		1	10/16/15 09:58	10/19/15 12:08	321-60-8	
Terphenyl-d14 (S)	78	%	37-134		1	10/16/15 09:58	10/19/15 12:08	1718-51-0	
Phenol-d6 (S)	60	%	36-130		1	10/16/15 09:58	10/19/15 12:08	13127-88-3	
2-Fluorophenol (S)	59	%	37-130		1	10/16/15 09:58	10/19/15 12:08	367-12-4	
2,4,6-Tribromophenol (S)	72	%	30-130		1	10/16/15 09:58	10/19/15 12:08	118-79-6	

8260 MSV 5035 Low Level

Analytical Method: EPA 8260 Preparation Method: EPA 8260

Acetone	<4.6	ug/kg	14.9	4.6	1	10/15/15 12:00	10/15/15 23:24	67-64-1	2q
Benzene	<1.2	ug/kg	3.7	1.2	1	10/15/15 12:00	10/15/15 23:24	71-43-2	
Bromodichloromethane	<0.81	ug/kg	3.7	0.81	1	10/15/15 12:00	10/15/15 23:24	75-27-4	
Bromoform	<0.63	ug/kg	3.7	0.63	1	10/15/15 12:00	10/15/15 23:24	75-25-2	
Bromomethane	<1.1	ug/kg	7.4	1.1	1	10/15/15 12:00	10/15/15 23:24	74-83-9	
2-Butanone (MEK)	<2.1	ug/kg	14.9	2.1	1	10/15/15 12:00	10/15/15 23:24	78-93-3	
Carbon disulfide	<0.96	ug/kg	3.7	0.96	1	10/15/15 12:00	10/15/15 23:24	75-15-0	
Carbon tetrachloride	<1.2	ug/kg	3.7	1.2	1	10/15/15 12:00	10/15/15 23:24	56-23-5	
Chlorobenzene	<1.2	ug/kg	3.7	1.2	1	10/15/15 12:00	10/15/15 23:24	108-90-7	
Chloroethane	<1.5	ug/kg	3.7	1.5	1	10/15/15 12:00	10/15/15 23:24	75-00-3	
Chloroform	<0.70	ug/kg	3.7	0.70	1	10/15/15 12:00	10/15/15 23:24	67-66-3	
Chloromethane	<0.42	ug/kg	3.7	0.42	1	10/15/15 12:00	10/15/15 23:24	74-87-3	
Dibromochloromethane	<1.3	ug/kg	3.7	1.3	1	10/15/15 12:00	10/15/15 23:24	124-48-1	
1,1-Dichloroethane	<1.8	ug/kg	3.7	1.8	1	10/15/15 12:00	10/15/15 23:24	75-34-3	
1,2-Dichloroethane	<0.73	ug/kg	3.7	0.73	1	10/15/15 12:00	10/15/15 23:24	107-06-2	
1,1-Dichloroethene	<1.7	ug/kg	3.7	1.7	1	10/15/15 12:00	10/15/15 23:24	75-35-4	
cis-1,2-Dichloroethene	<0.99	ug/kg	3.7	0.99	1	10/15/15 12:00	10/15/15 23:24	156-59-2	
trans-1,2-Dichloroethene	<0.92	ug/kg	3.7	0.92	1	10/15/15 12:00	10/15/15 23:24	156-60-5	
1,2-Dichloropropane	<0.94	ug/kg	3.7	0.94	1	10/15/15 12:00	10/15/15 23:24	78-87-5	
cis-1,3-Dichloropropene	<0.50	ug/kg	3.7	0.50	1	10/15/15 12:00	10/15/15 23:24	10061-01-5	
trans-1,3-Dichloropropene	<0.69	ug/kg	3.7	0.69	1	10/15/15 12:00	10/15/15 23:24	10061-02-6	
Ethylbenzene	<1.1	ug/kg	3.7	1.1	1	10/15/15 12:00	10/15/15 23:24	100-41-4	
2-Hexanone	<1.1	ug/kg	3.7	1.1	1	10/15/15 12:00	10/15/15 23:24	591-78-6	
Methylene Chloride	<1.4	ug/kg	3.7	1.4	1	10/15/15 12:00	10/15/15 23:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.91	ug/kg	3.7	0.91	1	10/15/15 12:00	10/15/15 23:24	108-10-1	
Methyl-tert-butyl ether	<0.75	ug/kg	3.7	0.75	1	10/15/15 12:00	10/15/15 23:24	1634-04-4	
Styrene	<0.56	ug/kg	3.7	0.56	1	10/15/15 12:00	10/15/15 23:24	100-42-5	
1,1,2,2-Tetrachloroethane	<1.5	ug/kg	3.7	1.5	1	10/15/15 12:00	10/15/15 23:24	79-34-5	
Tetrachloroethene	<1.2	ug/kg	3.7	1.2	1	10/15/15 12:00	10/15/15 23:24	127-18-4	
Toluene	<1.1	ug/kg	3.7	1.1	1	10/15/15 12:00	10/15/15 23:24	108-88-3	
1,1,1-Trichloroethane	<1.1	ug/kg	3.7	1.1	1	10/15/15 12:00	10/15/15 23:24	71-55-6	
1,1,2-Trichloroethane	<1.4	ug/kg	3.7	1.4	1	10/15/15 12:00	10/15/15 23:24	79-00-5	
Trichloroethene	<1.4	ug/kg	3.7	1.4	1	10/15/15 12:00	10/15/15 23:24	79-01-6	
Vinyl chloride	<0.41	ug/kg	3.7	0.41	1	10/15/15 12:00	10/15/15 23:24	75-01-4	
Xylene (Total)	<3.3	ug/kg	11.2	3.3	1	10/15/15 12:00	10/15/15 23:24	1330-20-7	

Surrogates

Dibromofluoromethane (S)	108	%	70-130		1	10/15/15 12:00	10/15/15 23:24	1868-53-7	
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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-11 (0-4)-101315D **Lab ID: 40122822015** Collected: 10/13/15 08:45 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	100	%	67-138		1	10/15/15 12:00	10/15/15 23:24	2037-26-5	
4-Bromofluorobenzene (S)	94	%	68-130		1	10/15/15 12:00	10/15/15 23:24	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	13.7	%	0.10	0.10	1		10/14/15 18:06		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.49	Std. Units	0.100	0.0100	1		10/15/15 19:15		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-10 (0-4)-101315 Lab ID: 4012282016 Collected: 10/13/15 09:15 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010C MET ICP, TCLP									
Analytical Method: EPA 6010C Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/21/15 08:22 Initial pH: 9.58; Final pH: 5.43									
Arsenic	0.020J	mg/L	0.10	0.020	1	10/21/15 10:29	10/21/15 17:06	7440-38-2	
Barium	0.30J	mg/L	0.50	0.0061	1	10/21/15 10:29	10/21/15 17:06	7440-39-3	
Beryllium	<2.9	ug/L	25.0	2.9	1	10/21/15 10:29	10/21/15 17:06	7440-41-7	
Cadmium	0.0046J	mg/L	0.015	0.0032	1	10/21/15 10:29	10/21/15 17:06	7440-43-9	
Chromium	<0.0044	mg/L	0.050	0.0044	1	10/21/15 10:29	10/21/15 17:06	7440-47-3	
Cobalt	18.8J	ug/L	50.0	2.8	1	10/21/15 10:29	10/21/15 17:06	7440-48-4	
Copper	<6.4	ug/L	50.0	6.4	1	10/21/15 10:29	10/21/15 17:06	7440-50-8	
Iron	51.9J	ug/L	250	51.0	1	10/21/15 10:29	10/21/15 17:06	7439-89-6	
Lead	0.017J	mg/L	0.050	0.010	1	10/21/15 10:29	10/21/15 17:06	7439-92-1	B
Manganese	5440	ug/L	25.0	2.8	1	10/21/15 10:29	10/21/15 17:06	7439-96-5	
Nickel	20.5J	ug/L	100	7.6	1	10/21/15 10:29	10/21/15 17:06	7440-02-0	B
Selenium	<0.041	mg/L	0.10	0.041	1	10/21/15 10:29	10/21/15 17:06	7782-49-2	
Silver	<0.012	mg/L	0.050	0.012	1	10/21/15 10:29	10/21/15 17:06	7440-22-4	
Zinc	147	ug/L	100	22.2	1	10/21/15 10:29	10/21/15 17:06	7440-66-6	

6010C MET ICP									
Analytical Method: EPA 6010C Preparation Method: EPA 3050									
Antimony	<0.85	mg/kg	5.0	0.85	5	10/19/15 13:22	10/20/15 12:51	7440-36-0	D3,M1
Arsenic	3.7J	mg/kg	5.0	1.2	5	10/19/15 13:22	10/20/15 12:51	7440-38-2	D3
Barium	18.3	mg/kg	0.50	0.050	1	10/19/15 13:22	10/20/15 10:05	7440-39-3	
Beryllium	0.17J	mg/kg	0.25	0.027	1	10/19/15 13:22	10/20/15 10:05	7440-41-7	
Cadmium	0.12J	mg/kg	0.15	0.038	1	10/19/15 13:22	10/20/15 10:05	7440-43-9	
Calcium	136000	mg/kg	126	22.9	5	10/19/15 13:22	10/20/15 12:51	7440-70-2	M1
Chromium	5.1	mg/kg	0.50	0.075	1	10/19/15 13:22	10/20/15 10:05	7440-47-3	
Cobalt	2.3	mg/kg	0.50	0.025	1	10/19/15 13:22	10/20/15 10:05	7440-48-4	M1
Copper	6.1	mg/kg	0.50	0.072	1	10/19/15 13:22	10/20/15 10:05	7440-50-8	
Iron	4760	mg/kg	2.5	1.0	1	10/19/15 13:22	10/20/15 10:05	7439-89-6	M1
Lead	11.1	mg/kg	0.50	0.12	1	10/19/15 13:22	10/20/15 10:05	7439-92-1	M1
Magnesium	76600	mg/kg	126	6.4	5	10/19/15 13:22	10/20/15 12:51	7439-95-4	M1
Manganese	360	mg/kg	0.25	0.11	1	10/19/15 13:22	10/20/15 10:05	7439-96-5	M1
Nickel	4.9	mg/kg	1.0	0.082	1	10/19/15 13:22	10/20/15 10:05	7440-02-0	M1
Potassium	1130	mg/kg	628	26.1	5	10/19/15 13:22	10/21/15 11:19	7440-09-7	M1
Selenium	<2.0	mg/kg	5.0	2.0	5	10/19/15 13:22	10/20/15 12:51	7782-49-2	D3
Silver	<0.12	mg/kg	0.50	0.12	1	10/19/15 13:22	10/20/15 10:05	7440-22-4	
Sodium	252	mg/kg	50.2	8.4	1	10/19/15 13:22	10/20/15 10:05	7440-23-5	
Thallium	<0.19	mg/kg	1.0	0.19	1	10/19/15 13:22	10/20/15 10:05	7440-28-0	M1
Vanadium	8.1	mg/kg	0.75	0.090	1	10/19/15 13:22	10/20/15 10:05	7440-62-2	
Zinc	23.0	mg/kg	1.0	0.44	1	10/19/15 13:22	10/20/15 10:05	7440-66-6	

6010C MET ICP, SPLP									
Analytical Method: EPA 6010C Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 10/21/15 08:13 Initial pH: ; Final pH: 7.21									
Arsenic	0.0045J	mg/L	0.020	0.0040	1	10/21/15 10:36	10/21/15 18:12	7440-38-2	7q
Barium	0.036	mg/L	0.010	0.0012	1	10/21/15 10:36	10/21/15 18:12	7440-39-3	7q
Beryllium	<0.59	ug/L	5.0	0.59	1	10/21/15 10:36	10/21/15 18:12	7440-41-7	7q
Cadmium	<0.00065	mg/L	0.0030	0.00065	1	10/21/15 10:36	10/21/15 18:12	7440-43-9	7q

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-10 (0-4)-101315 Lab ID: 4012282016 Collected: 10/13/15 09:15 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010C MET ICP, SPLP									
Analytical Method: EPA 6010C Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 10/21/15 08:13 Initial pH: ; Final pH: 7.21									
Chromium	0.0096J	mg/L	0.010	0.00087	1	10/21/15 10:36	10/21/15 18:12	7440-47-3	7q
Cobalt	2.3J	ug/L	10.0	0.56	1	10/21/15 10:36	10/21/15 18:12	7440-48-4	7q
Copper	12.1	ug/L	10.0	1.3	1	10/21/15 10:36	10/21/15 18:12	7440-50-8	7q
Iron	7890	ug/L	50.0	10.2	1	10/21/15 10:36	10/21/15 18:12	7439-89-6	7q
Lead	0.010	mg/L	0.010	0.0020	1	10/21/15 10:36	10/21/15 18:12	7439-92-1	7q
Manganese	150	ug/L	5.0	0.56	1	10/21/15 10:36	10/21/15 18:12	7439-96-5	7q
Nickel	10.9J	ug/L	20.0	1.5	1	10/21/15 10:36	10/21/15 18:12	7440-02-0	7q
Selenium	<0.0083	mg/L	0.020	0.0083	1	10/21/15 10:36	10/21/15 18:12	7782-49-2	7q
Silver	<0.0024	mg/L	0.010	0.0024	1	10/21/15 10:36	10/21/15 18:12	7440-22-4	7q
Zinc	32.8	ug/L	20.0	4.4	1	10/21/15 10:36	10/21/15 18:12	7440-66-6	7q
7470A Mercury, SPLP									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Leachate Method/Date: EPA 1312; 10/21/15 08:13 Initial pH: ; Final pH: 7.21									
Mercury	<0.065	ug/L	0.60	0.065	1	10/21/15 12:32	10/21/15 15:46	7439-97-6	7q
7470A Mercury, TCLP									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Leachate Method/Date: EPA 1311; 10/21/15 08:22 Initial pH: 9.58; Final pH: 5.43									
Mercury	<0.065	ug/L	0.60	0.065	1	10/21/15 12:32	10/21/15 15:30	7439-97-6	7q
7471B Mercury									
Analytical Method: EPA 7471B Preparation Method: EPA 7471B									
Mercury	0.0090J	mg/kg	0.020	0.0069	1	10/19/15 10:09	10/19/15 16:19	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<62.4	ug/kg	208	62.4	1	10/16/15 09:58	10/19/15 15:52	83-32-9	
Acenaphthylene	<62.8	ug/kg	209	62.8	1	10/16/15 09:58	10/19/15 15:52	208-96-8	
Anthracene	<28.1	ug/kg	93.8	28.1	1	10/16/15 09:58	10/19/15 15:52	120-12-7	
Benzo(a)anthracene	<27.3	ug/kg	90.9	27.3	1	10/16/15 09:58	10/19/15 15:52	56-55-3	
Benzo(a)pyrene	39.5J	ug/kg	88.3	26.5	1	10/16/15 09:58	10/19/15 15:52	50-32-8	
Benzo(b)fluoranthene	33.7J	ug/kg	101	30.3	1	10/16/15 09:58	10/19/15 15:52	205-99-2	
Benzo(g,h,i)perylene	66.4J	ug/kg	154	46.1	1	10/16/15 09:58	10/19/15 15:52	191-24-2	
Benzo(k)fluoranthene	<42.2	ug/kg	141	42.2	1	10/16/15 09:58	10/19/15 15:52	207-08-9	
4-Bromophenylphenyl ether	<36.9	ug/kg	123	36.9	1	10/16/15 09:58	10/19/15 15:52	101-55-3	
Butylbenzylphthalate	<28.2	ug/kg	94.1	28.2	1	10/16/15 09:58	10/19/15 15:52	85-68-7	
Carbazole	<27.6	ug/kg	91.9	27.6	1	10/16/15 09:58	10/19/15 15:52	86-74-8	
4-Chloro-3-methylphenol	<54.8	ug/kg	183	54.8	1	10/16/15 09:58	10/19/15 15:52	59-50-7	
4-Chloroaniline	<28.9	ug/kg	96.4	28.9	1	10/16/15 09:58	10/19/15 15:52	106-47-8	
bis(2-Chloroethoxy)methane	<47.4	ug/kg	158	47.4	1	10/16/15 09:58	10/19/15 15:52	111-91-1	
bis(2-Chloroethyl) ether	<55.0	ug/kg	183	55.0	1	10/16/15 09:58	10/19/15 15:52	111-44-4	
2-Chloronaphthalene	<22.6	ug/kg	75.4	22.6	1	10/16/15 09:58	10/19/15 15:52	91-58-7	
2-Chlorophenol	<43.9	ug/kg	146	43.9	1	10/16/15 09:58	10/19/15 15:52	95-57-8	
4-Chlorophenylphenyl ether	<32.8	ug/kg	109	32.8	1	10/16/15 09:58	10/19/15 15:52	7005-72-3	
Chrysene	34.9J	ug/kg	87.8	26.3	1	10/16/15 09:58	10/19/15 15:52	218-01-9	
Dibenz(a,h)anthracene	<47.8	ug/kg	159	47.8	1	10/16/15 09:58	10/19/15 15:52	53-70-3	
Dibenzofuran	<21.3	ug/kg	71.0	21.3	1	10/16/15 09:58	10/19/15 15:52	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Lab Project No.: 40122822

Sample: SR-10 (0-4)-101315 **Lab ID: 4012282016** Collected: 10/13/15 09:15 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<55.4	ug/kg	185	55.4	1	10/16/15 09:58	10/19/15 15:52	95-50-1	
1,3-Dichlorobenzene	<24.4	ug/kg	81.3	24.4	1	10/16/15 09:58	10/19/15 15:52	541-73-1	
1,4-Dichlorobenzene	<24.5	ug/kg	81.8	24.5	1	10/16/15 09:58	10/19/15 15:52	106-46-7	
3,3'-Dichlorobenzidine	<47.8	ug/kg	159	47.8	1	10/16/15 09:58	10/19/15 15:52	91-94-1	
2,4-Dichlorophenol	<47.1	ug/kg	157	47.1	1	10/16/15 09:58	10/19/15 15:52	120-83-2	
Diethylphthalate	<29.2	ug/kg	97.3	29.2	1	10/16/15 09:58	10/19/15 15:52	84-66-2	
2,4-Dimethylphenol	<34.8	ug/kg	116	34.8	1	10/16/15 09:58	10/19/15 15:52	105-67-9	
Dimethylphthalate	<22.9	ug/kg	76.4	22.9	1	10/16/15 09:58	10/19/15 15:52	131-11-3	
Di-n-butylphthalate	<26.3	ug/kg	87.7	26.3	1	10/16/15 09:58	10/19/15 15:52	84-74-2	
4,6-Dinitro-2-methylphenol	<54.3	ug/kg	181	54.3	1	10/16/15 09:58	10/19/15 15:52	534-52-1	
2,4-Dinitrophenol	<53.6	ug/kg	179	53.6	1	10/16/15 09:58	10/19/15 15:52	51-28-5	
2,4-Dinitrotoluene	<25.2	ug/kg	83.9	25.2	1	10/16/15 09:58	10/19/15 15:52	121-14-2	
2,6-Dinitrotoluene	<33.4	ug/kg	111	33.4	1	10/16/15 09:58	10/19/15 15:52	606-20-2	
Di-n-octylphthalate	<39.6	ug/kg	132	39.6	1	10/16/15 09:58	10/19/15 15:52	117-84-0	
bis(2-Ethylhexyl)phthalate	<29.3	ug/kg	97.6	29.3	1	10/16/15 09:58	10/19/15 15:52	117-81-7	
Fluoranthene	<24.9	ug/kg	83.0	24.9	1	10/16/15 09:58	10/19/15 15:52	206-44-0	
Fluorene	<20.6	ug/kg	68.6	20.6	1	10/16/15 09:58	10/19/15 15:52	86-73-7	
Hexachloro-1,3-butadiene	<44.9	ug/kg	150	44.9	1	10/16/15 09:58	10/19/15 15:52	87-68-3	
Hexachlorobenzene	<29.6	ug/kg	98.7	29.6	1	10/16/15 09:58	10/19/15 15:52	118-74-1	
Hexachlorocyclopentadiene	<41.7	ug/kg	139	41.7	1	10/16/15 09:58	10/19/15 15:52	77-47-4	
Hexachloroethane	<28.2	ug/kg	93.9	28.2	1	10/16/15 09:58	10/19/15 15:52	67-72-1	
Indeno(1,2,3-cd)pyrene	50.4J	ug/kg	127	38.1	1	10/16/15 09:58	10/19/15 15:52	193-39-5	
Isophorone	<27.1	ug/kg	90.2	27.1	1	10/16/15 09:58	10/19/15 15:52	78-59-1	
2-Methylnaphthalene	<45.7	ug/kg	152	45.7	1	10/16/15 09:58	10/19/15 15:52	91-57-6	
2-Methylphenol(o-Cresol)	<32.0	ug/kg	107	32.0	1	10/16/15 09:58	10/19/15 15:52	95-48-7	
3&4-Methylphenol(m&p Cresol)	<32.3	ug/kg	108	32.3	1	10/16/15 09:58	10/19/15 15:52		
Naphthalene	<61.6	ug/kg	205	61.6	1	10/16/15 09:58	10/19/15 15:52	91-20-3	
2-Nitroaniline	<50.2	ug/kg	167	50.2	1	10/16/15 09:58	10/19/15 15:52	88-74-4	
3-Nitroaniline	<29.9	ug/kg	99.8	29.9	1	10/16/15 09:58	10/19/15 15:52	99-09-2	
4-Nitroaniline	<73.1	ug/kg	244	73.1	1	10/16/15 09:58	10/19/15 15:52	100-01-6	
Nitrobenzene	<35.7	ug/kg	119	35.7	1	10/16/15 09:58	10/19/15 15:52	98-95-3	
2-Nitrophenol	<55.6	ug/kg	185	55.6	1	10/16/15 09:58	10/19/15 15:52	88-75-5	
4-Nitrophenol	<44.3	ug/kg	148	44.3	1	10/16/15 09:58	10/19/15 15:52	100-02-7	
N-Nitroso-di-n-propylamine	<27.9	ug/kg	93.1	27.9	1	10/16/15 09:58	10/19/15 15:52	621-64-7	
N-Nitrosodiphenylamine	<239	ug/kg	796	239	1	10/16/15 09:58	10/19/15 15:52	86-30-6	
2,2'-Oxybis(1-chloropropane)	<45.4	ug/kg	151	45.4	1	10/16/15 09:58	10/19/15 15:52	108-60-1	
Pentachlorophenol	<38.8	ug/kg	129	38.8	1	10/16/15 09:58	10/19/15 15:52	87-86-5	
Phenanthrene	<22.6	ug/kg	75.3	22.6	1	10/16/15 09:58	10/19/15 15:52	85-01-8	
Phenol	<41.8	ug/kg	139	41.8	1	10/16/15 09:58	10/19/15 15:52	108-95-2	
Pyrene	41.2J	ug/kg	130	39.0	1	10/16/15 09:58	10/19/15 15:52	129-00-0	
1,2,4-Trichlorobenzene	<19.9	ug/kg	66.3	19.9	1	10/16/15 09:58	10/19/15 15:52	120-82-1	
2,4,5-Trichlorophenol	<31.1	ug/kg	104	31.1	1	10/16/15 09:58	10/19/15 15:52	95-95-4	
2,4,6-Trichlorophenol	<26.8	ug/kg	89.5	26.8	1	10/16/15 09:58	10/19/15 15:52	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	78	%	45-130		1	10/16/15 09:58	10/19/15 15:52	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-10 (0-4)-101315 **Lab ID: 4012282016** Collected: 10/13/15 09:15 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

2-Fluorobiphenyl (S)	84	%	51-130		1	10/16/15 09:58	10/19/15 15:52	321-60-8	
Terphenyl-d14 (S)	140	%	37-134		1	10/16/15 09:58	10/19/15 15:52	1718-51-0	S3
Phenol-d6 (S)	78	%	36-130		1	10/16/15 09:58	10/19/15 15:52	13127-88-3	
2-Fluorophenol (S)	73	%	37-130		1	10/16/15 09:58	10/19/15 15:52	367-12-4	
2,4,6-Tribromophenol (S)	86	%	30-130		1	10/16/15 09:58	10/19/15 15:52	118-79-6	

8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260

Acetone	<3.6	ug/kg	11.7	3.6	1	10/15/15 12:00	10/15/15 23:47	67-64-1	2q
Benzene	<0.94	ug/kg	2.9	0.94	1	10/15/15 12:00	10/15/15 23:47	71-43-2	
Bromodichloromethane	<0.64	ug/kg	2.9	0.64	1	10/15/15 12:00	10/15/15 23:47	75-27-4	
Bromoform	<0.49	ug/kg	2.9	0.49	1	10/15/15 12:00	10/15/15 23:47	75-25-2	
Bromomethane	<0.87	ug/kg	5.8	0.87	1	10/15/15 12:00	10/15/15 23:47	74-83-9	
2-Butanone (MEK)	<1.7	ug/kg	11.7	1.7	1	10/15/15 12:00	10/15/15 23:47	78-93-3	
Carbon disulfide	<0.75	ug/kg	2.9	0.75	1	10/15/15 12:00	10/15/15 23:47	75-15-0	
Carbon tetrachloride	<0.93	ug/kg	2.9	0.93	1	10/15/15 12:00	10/15/15 23:47	56-23-5	
Chlorobenzene	<0.92	ug/kg	2.9	0.92	1	10/15/15 12:00	10/15/15 23:47	108-90-7	
Chloroethane	<1.2	ug/kg	2.9	1.2	1	10/15/15 12:00	10/15/15 23:47	75-00-3	
Chloroform	<0.55	ug/kg	2.9	0.55	1	10/15/15 12:00	10/15/15 23:47	67-66-3	
Chloromethane	<0.33	ug/kg	2.9	0.33	1	10/15/15 12:00	10/15/15 23:47	74-87-3	
Dibromochloromethane	<1.0	ug/kg	2.9	1.0	1	10/15/15 12:00	10/15/15 23:47	124-48-1	
1,1-Dichloroethane	<1.4	ug/kg	2.9	1.4	1	10/15/15 12:00	10/15/15 23:47	75-34-3	
1,2-Dichloroethane	<0.57	ug/kg	2.9	0.57	1	10/15/15 12:00	10/15/15 23:47	107-06-2	
1,1-Dichloroethene	<1.3	ug/kg	2.9	1.3	1	10/15/15 12:00	10/15/15 23:47	75-35-4	
cis-1,2-Dichloroethene	<0.77	ug/kg	2.9	0.77	1	10/15/15 12:00	10/15/15 23:47	156-59-2	
trans-1,2-Dichloroethene	<0.72	ug/kg	2.9	0.72	1	10/15/15 12:00	10/15/15 23:47	156-60-5	
1,2-Dichloropropane	<0.74	ug/kg	2.9	0.74	1	10/15/15 12:00	10/15/15 23:47	78-87-5	
cis-1,3-Dichloropropene	<0.39	ug/kg	2.9	0.39	1	10/15/15 12:00	10/15/15 23:47	10061-01-5	
trans-1,3-Dichloropropene	<0.54	ug/kg	2.9	0.54	1	10/15/15 12:00	10/15/15 23:47	10061-02-6	
Ethylbenzene	<0.84	ug/kg	2.9	0.84	1	10/15/15 12:00	10/15/15 23:47	100-41-4	
2-Hexanone	<0.86	ug/kg	2.9	0.86	1	10/15/15 12:00	10/15/15 23:47	591-78-6	
Methylene Chloride	<1.1	ug/kg	2.9	1.1	1	10/15/15 12:00	10/15/15 23:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.72	ug/kg	2.9	0.72	1	10/15/15 12:00	10/15/15 23:47	108-10-1	
Methyl-tert-butyl ether	<0.59	ug/kg	2.9	0.59	1	10/15/15 12:00	10/15/15 23:47	1634-04-4	
Styrene	<0.44	ug/kg	2.9	0.44	1	10/15/15 12:00	10/15/15 23:47	100-42-5	
1,1,2,2-Tetrachloroethane	<1.2	ug/kg	2.9	1.2	1	10/15/15 12:00	10/15/15 23:47	79-34-5	
Tetrachloroethene	<0.92	ug/kg	2.9	0.92	1	10/15/15 12:00	10/15/15 23:47	127-18-4	
Toluene	<0.87	ug/kg	2.9	0.87	1	10/15/15 12:00	10/15/15 23:47	108-88-3	
1,1,1-Trichloroethane	<0.90	ug/kg	2.9	0.90	1	10/15/15 12:00	10/15/15 23:47	71-55-6	
1,1,2-Trichloroethane	<1.1	ug/kg	2.9	1.1	1	10/15/15 12:00	10/15/15 23:47	79-00-5	
Trichloroethene	<1.1	ug/kg	2.9	1.1	1	10/15/15 12:00	10/15/15 23:47	79-01-6	
Vinyl chloride	<0.32	ug/kg	2.9	0.32	1	10/15/15 12:00	10/15/15 23:47	75-01-4	
Xylene (Total)	<2.6	ug/kg	8.8	2.6	1	10/15/15 12:00	10/15/15 23:47	1330-20-7	

Surrogates

Dibromofluoromethane (S)	109	%	70-130		1	10/15/15 12:00	10/15/15 23:47	1868-53-7	
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-10 (0-4)-101315 **Lab ID: 4012282016** Collected: 10/13/15 09:15 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	102	%	67-138		1	10/15/15 12:00	10/15/15 23:47	2037-26-5	
4-Bromofluorobenzene (S)	92	%	68-130		1	10/15/15 12:00	10/15/15 23:47	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	5.2	%	0.10	0.10	1		10/14/15 18:07		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	8.15	Std. Units	0.100	0.0100	1		10/15/15 19:15		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-9 (0-4)-101315 **Lab ID: 4012282017** Collected: 10/13/15 09:20 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010C MET ICP, TCLP									
Analytical Method: EPA 6010C Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/21/15 08:22 Initial pH: 9.46; Final pH: 5									
Arsenic	<0.020	mg/L	0.10	0.020	1	10/21/15 10:29	10/21/15 17:09	7440-38-2	
Barium	0.41J	mg/L	0.50	0.0061	1	10/21/15 10:29	10/21/15 17:09	7440-39-3	
Beryllium	<2.9	ug/L	25.0	2.9	1	10/21/15 10:29	10/21/15 17:09	7440-41-7	
Cadmium	<0.0032	mg/L	0.015	0.0032	1	10/21/15 10:29	10/21/15 17:09	7440-43-9	
Chromium	<0.0044	mg/L	0.050	0.0044	1	10/21/15 10:29	10/21/15 17:09	7440-47-3	
Cobalt	41.7J	ug/L	50.0	2.8	1	10/21/15 10:29	10/21/15 17:09	7440-48-4	
Copper	<6.4	ug/L	50.0	6.4	1	10/21/15 10:29	10/21/15 17:09	7440-50-8	
Iron	<51.0	ug/L	250	51.0	1	10/21/15 10:29	10/21/15 17:09	7439-89-6	
Lead	<0.010	mg/L	0.050	0.010	1	10/21/15 10:29	10/21/15 17:09	7439-92-1	
Manganese	11400	ug/L	25.0	2.8	1	10/21/15 10:29	10/21/15 17:09	7439-96-5	
Nickel	46.9J	ug/L	100	7.6	1	10/21/15 10:29	10/21/15 17:09	7440-02-0	B
Selenium	<0.041	mg/L	0.10	0.041	1	10/21/15 10:29	10/21/15 17:09	7782-49-2	
Silver	<0.012	mg/L	0.050	0.012	1	10/21/15 10:29	10/21/15 17:09	7440-22-4	
Zinc	40.9J	ug/L	100	22.2	1	10/21/15 10:29	10/21/15 17:09	7440-66-6	

6010C MET ICP									
Analytical Method: EPA 6010C Preparation Method: EPA 3050									
Antimony	<0.87	mg/kg	5.1	0.87	5	10/19/15 13:22	10/20/15 13:32	7440-36-0	D3
Arsenic	7.0	mg/kg	5.1	1.2	5	10/19/15 13:22	10/20/15 13:32	7440-38-2	
Barium	38.7	mg/kg	0.51	0.051	1	10/19/15 13:22	10/20/15 10:20	7440-39-3	
Beryllium	0.40	mg/kg	0.26	0.028	1	10/19/15 13:22	10/20/15 10:20	7440-41-7	
Cadmium	0.077J	mg/kg	0.15	0.039	1	10/19/15 13:22	10/20/15 10:20	7440-43-9	
Calcium	64800	mg/kg	129	23.5	5	10/19/15 13:22	10/20/15 13:32	7440-70-2	
Chromium	9.8	mg/kg	0.51	0.077	1	10/19/15 13:22	10/20/15 10:20	7440-47-3	
Cobalt	4.4	mg/kg	0.51	0.026	1	10/19/15 13:22	10/20/15 10:20	7440-48-4	
Copper	12.0	mg/kg	0.51	0.073	1	10/19/15 13:22	10/20/15 10:20	7440-50-8	
Iron	16200	mg/kg	12.9	5.2	5	10/19/15 13:22	10/20/15 13:32	7439-89-6	
Lead	14.3	mg/kg	0.51	0.12	1	10/19/15 13:22	10/20/15 10:20	7439-92-1	
Magnesium	36100	mg/kg	129	6.6	5	10/19/15 13:22	10/20/15 13:32	7439-95-4	
Manganese	527	mg/kg	0.26	0.11	1	10/19/15 13:22	10/20/15 10:20	7439-96-5	
Nickel	9.7	mg/kg	1.0	0.084	1	10/19/15 13:22	10/20/15 10:20	7440-02-0	
Potassium	1470	mg/kg	129	5.4	1	10/19/15 13:22	10/21/15 11:01	7440-09-7	
Selenium	<2.1	mg/kg	5.1	2.1	5	10/19/15 13:22	10/20/15 13:32	7782-49-2	D3
Silver	<0.12	mg/kg	0.51	0.12	1	10/19/15 13:22	10/20/15 10:20	7440-22-4	
Sodium	514	mg/kg	51.5	8.7	1	10/19/15 13:22	10/20/15 10:20	7440-23-5	
Thallium	<0.19	mg/kg	1.0	0.19	1	10/19/15 13:22	10/20/15 10:20	7440-28-0	
Vanadium	18.4	mg/kg	0.77	0.092	1	10/19/15 13:22	10/20/15 10:20	7440-62-2	
Zinc	25.0	mg/kg	1.0	0.45	1	10/19/15 13:22	10/20/15 10:20	7440-66-6	

6010C MET ICP, SPLP									
Analytical Method: EPA 6010C Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 10/21/15 08:13 Initial pH: ; Final pH: 9.02									
Arsenic	0.0054J	mg/L	0.020	0.0040	1	10/21/15 10:36	10/21/15 18:27	7440-38-2	7q
Barium	0.051	mg/L	0.010	0.0012	1	10/21/15 10:36	10/21/15 18:27	7440-39-3	7q
Beryllium	<0.59	ug/L	5.0	0.59	1	10/21/15 10:36	10/21/15 18:27	7440-41-7	7q
Cadmium	<0.00065	mg/L	0.0030	0.00065	1	10/21/15 10:36	10/21/15 18:27	7440-43-9	7q

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-9 (0-4)-101315 **Lab ID: 4012282017** Collected: 10/13/15 09:20 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010C MET ICP, SPLP									
Analytical Method: EPA 6010C Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 10/21/15 08:13 Initial pH: ; Final pH: 9.02									
Chromium	0.012	mg/L	0.010	0.00087	1	10/21/15 10:36	10/21/15 18:27	7440-47-3	7q
Cobalt	3.2J	ug/L	10.0	0.56	1	10/21/15 10:36	10/21/15 18:27	7440-48-4	7q
Copper	10J	ug/L	10.0	1.3	1	10/21/15 10:36	10/21/15 18:27	7440-50-8	7q
Iron	10800	ug/L	50.0	10.2	1	10/21/15 10:36	10/21/15 18:27	7439-89-6	7q
Lead	0.013	mg/L	0.010	0.0020	1	10/21/15 10:36	10/21/15 18:27	7439-92-1	7q
Manganese	190	ug/L	5.0	0.56	1	10/21/15 10:36	10/21/15 18:27	7439-96-5	7q
Nickel	14.5J	ug/L	20.0	1.5	1	10/21/15 10:36	10/21/15 18:27	7440-02-0	7q
Selenium	<0.0083	mg/L	0.020	0.0083	1	10/21/15 10:36	10/21/15 18:27	7782-49-2	7q
Silver	<0.0024	mg/L	0.010	0.0024	1	10/21/15 10:36	10/21/15 18:27	7440-22-4	7q
Zinc	31.9	ug/L	20.0	4.4	1	10/21/15 10:36	10/21/15 18:27	7440-66-6	7q
7470A Mercury, SPLP									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Leachate Method/Date: EPA 1312; 10/21/15 08:13 Initial pH: ; Final pH: 9.02									
Mercury	<0.065	ug/L	0.60	0.065	1	10/21/15 12:32	10/21/15 15:48	7439-97-6	7q
7470A Mercury, TCLP									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Leachate Method/Date: EPA 1311; 10/21/15 08:22 Initial pH: 9.46; Final pH: 5									
Mercury	<0.065	ug/L	0.60	0.065	1	10/21/15 12:32	10/21/15 15:32	7439-97-6	7q
7471B Mercury									
Analytical Method: EPA 7471B Preparation Method: EPA 7471B									
Mercury	0.0087J	mg/kg	0.020	0.0069	1	10/19/15 10:09	10/19/15 16:27	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<64.6	ug/kg	215	64.6	1	10/16/15 09:58	10/19/15 10:43	83-32-9	
Acenaphthylene	<65.0	ug/kg	217	65.0	1	10/16/15 09:58	10/19/15 10:43	208-96-8	
Anthracene	<29.1	ug/kg	97.0	29.1	1	10/16/15 09:58	10/19/15 10:43	120-12-7	
Benzo(a)anthracene	<28.2	ug/kg	94.0	28.2	1	10/16/15 09:58	10/19/15 10:43	56-55-3	
Benzo(a)pyrene	<27.4	ug/kg	91.3	27.4	1	10/16/15 09:58	10/19/15 10:43	50-32-8	
Benzo(b)fluoranthene	<31.3	ug/kg	104	31.3	1	10/16/15 09:58	10/19/15 10:43	205-99-2	
Benzo(g,h,i)perylene	<47.6	ug/kg	159	47.6	1	10/16/15 09:58	10/19/15 10:43	191-24-2	
Benzo(k)fluoranthene	<43.6	ug/kg	145	43.6	1	10/16/15 09:58	10/19/15 10:43	207-08-9	
4-Bromophenylphenyl ether	<38.1	ug/kg	127	38.1	1	10/16/15 09:58	10/19/15 10:43	101-55-3	
Butylbenzylphthalate	<29.2	ug/kg	97.3	29.2	1	10/16/15 09:58	10/19/15 10:43	85-68-7	
Carbazole	<28.5	ug/kg	95.0	28.5	1	10/16/15 09:58	10/19/15 10:43	86-74-8	
4-Chloro-3-methylphenol	<56.7	ug/kg	189	56.7	1	10/16/15 09:58	10/19/15 10:43	59-50-7	
4-Chloroaniline	<29.9	ug/kg	99.8	29.9	1	10/16/15 09:58	10/19/15 10:43	106-47-8	
bis(2-Chloroethoxy)methane	<49.0	ug/kg	163	49.0	1	10/16/15 09:58	10/19/15 10:43	111-91-1	
bis(2-Chloroethyl) ether	<56.9	ug/kg	190	56.9	1	10/16/15 09:58	10/19/15 10:43	111-44-4	
2-Chloronaphthalene	<23.4	ug/kg	77.9	23.4	1	10/16/15 09:58	10/19/15 10:43	91-58-7	
2-Chlorophenol	<45.5	ug/kg	152	45.5	1	10/16/15 09:58	10/19/15 10:43	95-57-8	
4-Chlorophenylphenyl ether	<33.9	ug/kg	113	33.9	1	10/16/15 09:58	10/19/15 10:43	7005-72-3	
Chrysene	<27.2	ug/kg	90.8	27.2	1	10/16/15 09:58	10/19/15 10:43	218-01-9	
Dibenz(a,h)anthracene	<49.5	ug/kg	165	49.5	1	10/16/15 09:58	10/19/15 10:43	53-70-3	
Dibenzofuran	<22.0	ug/kg	73.5	22.0	1	10/16/15 09:58	10/19/15 10:43	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: **SR-9 (0-4)-101315** Lab ID: **40122822017** Collected: 10/13/15 09:20 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<57.3	ug/kg	191	57.3	1	10/16/15 09:58	10/19/15 10:43	95-50-1	
1,3-Dichlorobenzene	<25.2	ug/kg	84.1	25.2	1	10/16/15 09:58	10/19/15 10:43	541-73-1	
1,4-Dichlorobenzene	<25.4	ug/kg	84.6	25.4	1	10/16/15 09:58	10/19/15 10:43	106-46-7	
3,3'-Dichlorobenzidine	<49.4	ug/kg	165	49.4	1	10/16/15 09:58	10/19/15 10:43	91-94-1	
2,4-Dichlorophenol	<48.7	ug/kg	162	48.7	1	10/16/15 09:58	10/19/15 10:43	120-83-2	
Diethylphthalate	<30.2	ug/kg	101	30.2	1	10/16/15 09:58	10/19/15 10:43	84-66-2	
2,4-Dimethylphenol	<36.0	ug/kg	120	36.0	1	10/16/15 09:58	10/19/15 10:43	105-67-9	
Dimethylphthalate	<23.7	ug/kg	79.0	23.7	1	10/16/15 09:58	10/19/15 10:43	131-11-3	
Di-n-butylphthalate	<27.2	ug/kg	90.7	27.2	1	10/16/15 09:58	10/19/15 10:43	84-74-2	
4,6-Dinitro-2-methylphenol	<56.1	ug/kg	187	56.1	1	10/16/15 09:58	10/19/15 10:43	534-52-1	
2,4-Dinitrophenol	<55.5	ug/kg	185	55.5	1	10/16/15 09:58	10/19/15 10:43	51-28-5	
2,4-Dinitrotoluene	<26.0	ug/kg	86.8	26.0	1	10/16/15 09:58	10/19/15 10:43	121-14-2	
2,6-Dinitrotoluene	<34.6	ug/kg	115	34.6	1	10/16/15 09:58	10/19/15 10:43	606-20-2	
Di-n-octylphthalate	<40.9	ug/kg	136	40.9	1	10/16/15 09:58	10/19/15 10:43	117-84-0	
bis(2-Ethylhexyl)phthalate	<30.3	ug/kg	101	30.3	1	10/16/15 09:58	10/19/15 10:43	117-81-7	
Fluoranthene	<25.8	ug/kg	85.9	25.8	1	10/16/15 09:58	10/19/15 10:43	206-44-0	
Fluorene	<21.3	ug/kg	71.0	21.3	1	10/16/15 09:58	10/19/15 10:43	86-73-7	
Hexachloro-1,3-butadiene	<46.4	ug/kg	155	46.4	1	10/16/15 09:58	10/19/15 10:43	87-68-3	
Hexachlorobenzene	<30.6	ug/kg	102	30.6	1	10/16/15 09:58	10/19/15 10:43	118-74-1	
Hexachlorocyclopentadiene	<43.1	ug/kg	144	43.1	1	10/16/15 09:58	10/19/15 10:43	77-47-4	
Hexachloroethane	<29.1	ug/kg	97.1	29.1	1	10/16/15 09:58	10/19/15 10:43	67-72-1	
Indeno(1,2,3-cd)pyrene	<39.4	ug/kg	131	39.4	1	10/16/15 09:58	10/19/15 10:43	193-39-5	
Isophorone	<28.0	ug/kg	93.3	28.0	1	10/16/15 09:58	10/19/15 10:43	78-59-1	
2-Methylnaphthalene	<47.3	ug/kg	158	47.3	1	10/16/15 09:58	10/19/15 10:43	91-57-6	
2-Methylphenol(o-Cresol)	<33.1	ug/kg	110	33.1	1	10/16/15 09:58	10/19/15 10:43	95-48-7	
3&4-Methylphenol(m&p Cresol)	<33.4	ug/kg	111	33.4	1	10/16/15 09:58	10/19/15 10:43		
Naphthalene	<63.7	ug/kg	212	63.7	1	10/16/15 09:58	10/19/15 10:43	91-20-3	
2-Nitroaniline	<51.9	ug/kg	173	51.9	1	10/16/15 09:58	10/19/15 10:43	88-74-4	
3-Nitroaniline	<31.0	ug/kg	103	31.0	1	10/16/15 09:58	10/19/15 10:43	99-09-2	
4-Nitroaniline	<75.6	ug/kg	252	75.6	1	10/16/15 09:58	10/19/15 10:43	100-01-6	
Nitrobenzene	<36.9	ug/kg	123	36.9	1	10/16/15 09:58	10/19/15 10:43	98-95-3	
2-Nitrophenol	<57.5	ug/kg	192	57.5	1	10/16/15 09:58	10/19/15 10:43	88-75-5	
4-Nitrophenol	<45.9	ug/kg	153	45.9	1	10/16/15 09:58	10/19/15 10:43	100-02-7	
N-Nitroso-di-n-propylamine	<28.9	ug/kg	96.3	28.9	1	10/16/15 09:58	10/19/15 10:43	621-64-7	
N-Nitrosodiphenylamine	<247	ug/kg	824	247	1	10/16/15 09:58	10/19/15 10:43	86-30-6	
2,2'-Oxybis(1-chloropropane)	<47.0	ug/kg	157	47.0	1	10/16/15 09:58	10/19/15 10:43	108-60-1	
Pentachlorophenol	<40.1	ug/kg	134	40.1	1	10/16/15 09:58	10/19/15 10:43	87-86-5	
Phenanthrene	<23.4	ug/kg	77.9	23.4	1	10/16/15 09:58	10/19/15 10:43	85-01-8	
Phenol	<43.2	ug/kg	144	43.2	1	10/16/15 09:58	10/19/15 10:43	108-95-2	
Pyrene	<40.4	ug/kg	135	40.4	1	10/16/15 09:58	10/19/15 10:43	129-00-0	
1,2,4-Trichlorobenzene	<20.6	ug/kg	68.6	20.6	1	10/16/15 09:58	10/19/15 10:43	120-82-1	
2,4,5-Trichlorophenol	<32.2	ug/kg	107	32.2	1	10/16/15 09:58	10/19/15 10:43	95-95-4	
2,4,6-Trichlorophenol	<27.8	ug/kg	92.6	27.8	1	10/16/15 09:58	10/19/15 10:43	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	72	%	45-130		1	10/16/15 09:58	10/19/15 10:43	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-9 (0-4)-101315 **Lab ID: 4012282017** Collected: 10/13/15 09:20 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	75	%	51-130		1	10/16/15 09:58	10/19/15 10:43	321-60-8	
Terphenyl-d14 (S)	83	%	37-134		1	10/16/15 09:58	10/19/15 10:43	1718-51-0	
Phenol-d6 (S)	61	%	36-130		1	10/16/15 09:58	10/19/15 10:43	13127-88-3	
2-Fluorophenol (S)	58	%	37-130		1	10/16/15 09:58	10/19/15 10:43	367-12-4	
2,4,6-Tribromophenol (S)	69	%	30-130		1	10/16/15 09:58	10/19/15 10:43	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.1	ug/kg	13.2	4.1	1	10/15/15 12:00	10/16/15 00:10	67-64-1	2q
Benzene	<1.1	ug/kg	3.3	1.1	1	10/15/15 12:00	10/16/15 00:10	71-43-2	
Bromodichloromethane	<0.73	ug/kg	3.3	0.73	1	10/15/15 12:00	10/16/15 00:10	75-27-4	
Bromoform	<0.56	ug/kg	3.3	0.56	1	10/15/15 12:00	10/16/15 00:10	75-25-2	
Bromomethane	<0.99	ug/kg	6.6	0.99	1	10/15/15 12:00	10/16/15 00:10	74-83-9	
2-Butanone (MEK)	<1.9	ug/kg	13.2	1.9	1	10/15/15 12:00	10/16/15 00:10	78-93-3	
Carbon disulfide	<0.85	ug/kg	3.3	0.85	1	10/15/15 12:00	10/16/15 00:10	75-15-0	
Carbon tetrachloride	<1.1	ug/kg	3.3	1.1	1	10/15/15 12:00	10/16/15 00:10	56-23-5	
Chlorobenzene	<1.0	ug/kg	3.3	1.0	1	10/15/15 12:00	10/16/15 00:10	108-90-7	
Chloroethane	<1.3	ug/kg	3.3	1.3	1	10/15/15 12:00	10/16/15 00:10	75-00-3	
Chloroform	<0.63	ug/kg	3.3	0.63	1	10/15/15 12:00	10/16/15 00:10	67-66-3	
Chloromethane	<0.37	ug/kg	3.3	0.37	1	10/15/15 12:00	10/16/15 00:10	74-87-3	
Dibromochloromethane	<1.1	ug/kg	3.3	1.1	1	10/15/15 12:00	10/16/15 00:10	124-48-1	
1,1-Dichloroethane	<1.6	ug/kg	3.3	1.6	1	10/15/15 12:00	10/16/15 00:10	75-34-3	
1,2-Dichloroethane	<0.65	ug/kg	3.3	0.65	1	10/15/15 12:00	10/16/15 00:10	107-06-2	
1,1-Dichloroethene	<1.5	ug/kg	3.3	1.5	1	10/15/15 12:00	10/16/15 00:10	75-35-4	
cis-1,2-Dichloroethene	<0.88	ug/kg	3.3	0.88	1	10/15/15 12:00	10/16/15 00:10	156-59-2	
trans-1,2-Dichloroethene	<0.82	ug/kg	3.3	0.82	1	10/15/15 12:00	10/16/15 00:10	156-60-5	
1,2-Dichloropropane	<0.84	ug/kg	3.3	0.84	1	10/15/15 12:00	10/16/15 00:10	78-87-5	
cis-1,3-Dichloropropene	<0.44	ug/kg	3.3	0.44	1	10/15/15 12:00	10/16/15 00:10	10061-01-5	
trans-1,3-Dichloropropene	<0.61	ug/kg	3.3	0.61	1	10/15/15 12:00	10/16/15 00:10	10061-02-6	
Ethylbenzene	<0.96	ug/kg	3.3	0.96	1	10/15/15 12:00	10/16/15 00:10	100-41-4	
2-Hexanone	<0.98	ug/kg	3.3	0.98	1	10/15/15 12:00	10/16/15 00:10	591-78-6	
Methylene Chloride	<1.2	ug/kg	3.3	1.2	1	10/15/15 12:00	10/16/15 00:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.81	ug/kg	3.3	0.81	1	10/15/15 12:00	10/16/15 00:10	108-10-1	
Methyl-tert-butyl ether	<0.66	ug/kg	3.3	0.66	1	10/15/15 12:00	10/16/15 00:10	1634-04-4	
Styrene	<0.50	ug/kg	3.3	0.50	1	10/15/15 12:00	10/16/15 00:10	100-42-5	
1,1,2,2-Tetrachloroethane	<1.4	ug/kg	3.3	1.4	1	10/15/15 12:00	10/16/15 00:10	79-34-5	
Tetrachloroethene	<1.0	ug/kg	3.3	1.0	1	10/15/15 12:00	10/16/15 00:10	127-18-4	
Toluene	<0.98	ug/kg	3.3	0.98	1	10/15/15 12:00	10/16/15 00:10	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/kg	3.3	1.0	1	10/15/15 12:00	10/16/15 00:10	71-55-6	
1,1,2-Trichloroethane	<1.3	ug/kg	3.3	1.3	1	10/15/15 12:00	10/16/15 00:10	79-00-5	
Trichloroethene	<1.3	ug/kg	3.3	1.3	1	10/15/15 12:00	10/16/15 00:10	79-01-6	
Vinyl chloride	<0.36	ug/kg	3.3	0.36	1	10/15/15 12:00	10/16/15 00:10	75-01-4	
Xylene (Total)	<3.0	ug/kg	9.9	3.0	1	10/15/15 12:00	10/16/15 00:10	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	106	%	70-130		1	10/15/15 12:00	10/16/15 00:10	1868-53-7	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-9 (0-4)-101315 **Lab ID: 4012282017** Collected: 10/13/15 09:20 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	99	%	67-138		1	10/15/15 12:00	10/16/15 00:10	2037-26-5	
4-Bromofluorobenzene (S)	93	%	68-130		1	10/15/15 12:00	10/16/15 00:10	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	8.3	%	0.10	0.10	1		10/14/15 19:08		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.27	Std. Units	0.100	0.0100	1		10/15/15 19:15		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-8 (0-5)-101315 **Lab ID: 4012282018** Collected: 10/13/15 09:35 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010C MET ICP, TCLP									
Analytical Method: EPA 6010C Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/21/15 08:22 Initial pH: 9.64; Final pH: 2.29									
Arsenic	<0.020	mg/L	0.10	0.020	1	10/21/15 10:29	10/21/15 17:18	7440-38-2	
Barium	0.37J	mg/L	0.50	0.0061	1	10/21/15 10:29	10/21/15 17:18	7440-39-3	
Beryllium	<2.9	ug/L	25.0	2.9	1	10/21/15 10:29	10/21/15 17:18	7440-41-7	
Cadmium	<0.0032	mg/L	0.015	0.0032	1	10/21/15 10:29	10/21/15 17:18	7440-43-9	
Chromium	<0.0044	mg/L	0.050	0.0044	1	10/21/15 10:29	10/21/15 17:18	7440-47-3	
Cobalt	<2.8	ug/L	50.0	2.8	1	10/21/15 10:29	10/21/15 17:18	7440-48-4	
Copper	<6.4	ug/L	50.0	6.4	1	10/21/15 10:29	10/21/15 17:18	7440-50-8	
Iron	361	ug/L	250	51.0	1	10/21/15 10:29	10/21/15 17:18	7439-89-6	
Lead	0.012J	mg/L	0.050	0.010	1	10/21/15 10:29	10/21/15 17:18	7439-92-1	B
Manganese	1120	ug/L	25.0	2.8	1	10/21/15 10:29	10/21/15 17:18	7439-96-5	
Nickel	9.6J	ug/L	100	7.6	1	10/21/15 10:29	10/21/15 17:18	7440-02-0	B
Selenium	<0.041	mg/L	0.10	0.041	1	10/21/15 10:29	10/21/15 17:18	7782-49-2	
Silver	<0.012	mg/L	0.050	0.012	1	10/21/15 10:29	10/21/15 17:18	7440-22-4	
Zinc	<22.2	ug/L	100	22.2	1	10/21/15 10:29	10/21/15 17:18	7440-66-6	

6010C MET ICP									
Analytical Method: EPA 6010C Preparation Method: EPA 3050									
Antimony	<0.92	mg/kg	5.4	0.92	5	10/19/15 13:22	10/20/15 13:35	7440-36-0	D3
Arsenic	6.9	mg/kg	5.4	1.3	5	10/19/15 13:22	10/20/15 13:35	7440-38-2	
Barium	33.2	mg/kg	0.54	0.054	1	10/19/15 13:22	10/20/15 10:24	7440-39-3	
Beryllium	0.36	mg/kg	0.27	0.029	1	10/19/15 13:22	10/20/15 10:24	7440-41-7	
Cadmium	0.11J	mg/kg	0.16	0.041	1	10/19/15 13:22	10/20/15 10:24	7440-43-9	
Calcium	83300	mg/kg	135	24.7	5	10/19/15 13:22	10/20/15 13:35	7440-70-2	
Chromium	9.0	mg/kg	0.54	0.081	1	10/19/15 13:22	10/20/15 10:24	7440-47-3	
Cobalt	4.9	mg/kg	0.54	0.027	1	10/19/15 13:22	10/20/15 10:24	7440-48-4	
Copper	12.0	mg/kg	0.54	0.077	1	10/19/15 13:22	10/20/15 10:24	7440-50-8	
Iron	13500	mg/kg	13.5	5.5	5	10/19/15 13:22	10/20/15 13:35	7439-89-6	
Lead	21.7	mg/kg	0.54	0.13	1	10/19/15 13:22	10/20/15 10:24	7439-92-1	
Magnesium	42700	mg/kg	135	6.9	5	10/19/15 13:22	10/20/15 13:35	7439-95-4	
Manganese	358	mg/kg	0.27	0.12	1	10/19/15 13:22	10/20/15 10:24	7439-96-5	
Nickel	9.3	mg/kg	1.1	0.089	1	10/19/15 13:22	10/20/15 10:24	7440-02-0	
Potassium	1360	mg/kg	135	5.6	1	10/19/15 13:22	10/21/15 11:05	7440-09-7	
Selenium	<2.2	mg/kg	5.4	2.2	5	10/19/15 13:22	10/20/15 13:35	7782-49-2	D3
Silver	<0.12	mg/kg	0.54	0.12	1	10/19/15 13:22	10/20/15 10:24	7440-22-4	
Sodium	892	mg/kg	54.2	9.1	1	10/19/15 13:22	10/20/15 10:24	7440-23-5	
Thallium	<0.20	mg/kg	1.1	0.20	1	10/19/15 13:22	10/20/15 10:24	7440-28-0	
Vanadium	17.1	mg/kg	0.81	0.097	1	10/19/15 13:22	10/20/15 10:24	7440-62-2	
Zinc	30.0	mg/kg	1.1	0.48	1	10/19/15 13:22	10/20/15 10:24	7440-66-6	

6010C MET ICP, SPLP									
Analytical Method: EPA 6010C Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 10/21/15 08:13 Initial pH: ; Final pH: 9.16									
Arsenic	0.019J	mg/L	0.020	0.0040	1	10/21/15 10:36	10/21/15 18:37	7440-38-2	7q
Barium	0.14	mg/L	0.010	0.0012	1	10/21/15 10:36	10/21/15 18:37	7440-39-3	7q
Beryllium	1.5J	ug/L	5.0	0.59	1	10/21/15 10:36	10/21/15 18:37	7440-41-7	7q
Cadmium	<0.00065	mg/L	0.0030	0.00065	1	10/21/15 10:36	10/21/15 18:37	7440-43-9	7q

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-8 (0-5)-101315 **Lab ID: 4012282018** Collected: 10/13/15 09:35 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010C MET ICP, SPLP									
Analytical Method: EPA 6010C Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 10/21/15 08:13 Initial pH: ; Final pH: 9.16									
Chromium	0.038	mg/L	0.010	0.00087	1	10/21/15 10:36	10/21/15 18:37	7440-47-3	7q
Cobalt	13.4	ug/L	10.0	0.56	1	10/21/15 10:36	10/21/15 18:37	7440-48-4	7q
Copper	36.7	ug/L	10.0	1.3	1	10/21/15 10:36	10/21/15 18:37	7440-50-8	7q
Iron	38200	ug/L	50.0	10.2	1	10/21/15 10:36	10/21/15 18:37	7439-89-6	7q
Lead	0.042	mg/L	0.010	0.0020	1	10/21/15 10:36	10/21/15 18:37	7439-92-1	7q
Manganese	814	ug/L	5.0	0.56	1	10/21/15 10:36	10/21/15 18:37	7439-96-5	7q
Nickel	48.8	ug/L	20.0	1.5	1	10/21/15 10:36	10/21/15 18:37	7440-02-0	7q
Selenium	<0.0083	mg/L	0.020	0.0083	1	10/21/15 10:36	10/21/15 18:37	7782-49-2	7q
Silver	<0.0024	mg/L	0.010	0.0024	1	10/21/15 10:36	10/21/15 18:37	7440-22-4	7q
Zinc	105	ug/L	20.0	4.4	1	10/21/15 10:36	10/21/15 18:37	7440-66-6	7q
7470A Mercury, SPLP									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Leachate Method/Date: EPA 1312; 10/21/15 08:13 Initial pH: ; Final pH: 9.16									
Mercury	<0.065	ug/L	0.60	0.065	1	10/21/15 12:32	10/21/15 15:56	7439-97-6	7q
7470A Mercury, TCLP									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Leachate Method/Date: EPA 1311; 10/21/15 08:22 Initial pH: 9.64; Final pH: 2.29									
Mercury	<0.065	ug/L	0.60	0.065	1	10/21/15 12:32	10/21/15 15:34	7439-97-6	7q
7471B Mercury									
Analytical Method: EPA 7471B Preparation Method: EPA 7471B									
Mercury	<0.0074	mg/kg	0.021	0.0074	1	10/19/15 10:09	10/19/15 16:29	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<67.4	ug/kg	225	67.4	1	10/16/15 09:58	10/19/15 16:25	83-32-9	
Acenaphthylene	<67.8	ug/kg	226	67.8	1	10/16/15 09:58	10/19/15 16:25	208-96-8	
Anthracene	<30.4	ug/kg	101	30.4	1	10/16/15 09:58	10/19/15 16:25	120-12-7	
Benzo(a)anthracene	<29.4	ug/kg	98.1	29.4	1	10/16/15 09:58	10/19/15 16:25	56-55-3	
Benzo(a)pyrene	<28.6	ug/kg	95.3	28.6	1	10/16/15 09:58	10/19/15 16:25	50-32-8	
Benzo(b)fluoranthene	<32.6	ug/kg	109	32.6	1	10/16/15 09:58	10/19/15 16:25	205-99-2	
Benzo(g,h,i)perylene	<49.7	ug/kg	166	49.7	1	10/16/15 09:58	10/19/15 16:25	191-24-2	
Benzo(k)fluoranthene	<45.5	ug/kg	152	45.5	1	10/16/15 09:58	10/19/15 16:25	207-08-9	
4-Bromophenylphenyl ether	<39.8	ug/kg	133	39.8	1	10/16/15 09:58	10/19/15 16:25	101-55-3	
Butylbenzylphthalate	<30.5	ug/kg	102	30.5	1	10/16/15 09:58	10/19/15 16:25	85-68-7	
Carbazole	<29.7	ug/kg	99.1	29.7	1	10/16/15 09:58	10/19/15 16:25	86-74-8	
4-Chloro-3-methylphenol	<59.1	ug/kg	197	59.1	1	10/16/15 09:58	10/19/15 16:25	59-50-7	
4-Chloroaniline	<31.2	ug/kg	104	31.2	1	10/16/15 09:58	10/19/15 16:25	106-47-8	
bis(2-Chloroethoxy)methane	<51.2	ug/kg	171	51.2	1	10/16/15 09:58	10/19/15 16:25	111-91-1	
bis(2-Chloroethyl) ether	<59.3	ug/kg	198	59.3	1	10/16/15 09:58	10/19/15 16:25	111-44-4	
2-Chloronaphthalene	<24.4	ug/kg	81.3	24.4	1	10/16/15 09:58	10/19/15 16:25	91-58-7	
2-Chlorophenol	<47.4	ug/kg	158	47.4	1	10/16/15 09:58	10/19/15 16:25	95-57-8	
4-Chlorophenylphenyl ether	<35.4	ug/kg	118	35.4	1	10/16/15 09:58	10/19/15 16:25	7005-72-3	
Chrysene	<28.4	ug/kg	94.7	28.4	1	10/16/15 09:58	10/19/15 16:25	218-01-9	
Dibenz(a,h)anthracene	<51.6	ug/kg	172	51.6	1	10/16/15 09:58	10/19/15 16:25	53-70-3	
Dibenzofuran	<23.0	ug/kg	76.6	23.0	1	10/16/15 09:58	10/19/15 16:25	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Lab Project No.: 40122822

Sample: **SR-8 (0-5)-101315** Lab ID: **40122822018** Collected: 10/13/15 09:35 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<59.7	ug/kg	199	59.7	1	10/16/15 09:58	10/19/15 16:25	95-50-1	
1,3-Dichlorobenzene	<26.3	ug/kg	87.7	26.3	1	10/16/15 09:58	10/19/15 16:25	541-73-1	
1,4-Dichlorobenzene	<26.5	ug/kg	88.2	26.5	1	10/16/15 09:58	10/19/15 16:25	106-46-7	
3,3'-Dichlorobenzidine	<51.5	ug/kg	172	51.5	1	10/16/15 09:58	10/19/15 16:25	91-94-1	
2,4-Dichlorophenol	<50.8	ug/kg	169	50.8	1	10/16/15 09:58	10/19/15 16:25	120-83-2	
Diethylphthalate	<31.5	ug/kg	105	31.5	1	10/16/15 09:58	10/19/15 16:25	84-66-2	
2,4-Dimethylphenol	<37.6	ug/kg	125	37.6	1	10/16/15 09:58	10/19/15 16:25	105-67-9	
Dimethylphthalate	<24.7	ug/kg	82.4	24.7	1	10/16/15 09:58	10/19/15 16:25	131-11-3	
Di-n-butylphthalate	<28.4	ug/kg	94.6	28.4	1	10/16/15 09:58	10/19/15 16:25	84-74-2	
4,6-Dinitro-2-methylphenol	<58.6	ug/kg	195	58.6	1	10/16/15 09:58	10/19/15 16:25	534-52-1	
2,4-Dinitrophenol	<57.9	ug/kg	193	57.9	1	10/16/15 09:58	10/19/15 16:25	51-28-5	
2,4-Dinitrotoluene	<27.2	ug/kg	90.6	27.2	1	10/16/15 09:58	10/19/15 16:25	121-14-2	
2,6-Dinitrotoluene	<36.1	ug/kg	120	36.1	1	10/16/15 09:58	10/19/15 16:25	606-20-2	
Di-n-octylphthalate	<42.7	ug/kg	142	42.7	1	10/16/15 09:58	10/19/15 16:25	117-84-0	
bis(2-Ethylhexyl)phthalate	<31.6	ug/kg	105	31.6	1	10/16/15 09:58	10/19/15 16:25	117-81-7	
Fluoranthene	<26.9	ug/kg	89.6	26.9	1	10/16/15 09:58	10/19/15 16:25	206-44-0	
Fluorene	<22.2	ug/kg	74.0	22.2	1	10/16/15 09:58	10/19/15 16:25	86-73-7	
Hexachloro-1,3-butadiene	<48.4	ug/kg	161	48.4	1	10/16/15 09:58	10/19/15 16:25	87-68-3	
Hexachlorobenzene	<31.9	ug/kg	107	31.9	1	10/16/15 09:58	10/19/15 16:25	118-74-1	
Hexachlorocyclopentadiene	<45.0	ug/kg	150	45.0	1	10/16/15 09:58	10/19/15 16:25	77-47-4	
Hexachloroethane	<30.4	ug/kg	101	30.4	1	10/16/15 09:58	10/19/15 16:25	67-72-1	
Indeno(1,2,3-cd)pyrene	<41.1	ug/kg	137	41.1	1	10/16/15 09:58	10/19/15 16:25	193-39-5	
Isophorone	<29.2	ug/kg	97.3	29.2	1	10/16/15 09:58	10/19/15 16:25	78-59-1	
2-Methylnaphthalene	<49.3	ug/kg	164	49.3	1	10/16/15 09:58	10/19/15 16:25	91-57-6	
2-Methylphenol(o-Cresol)	<34.5	ug/kg	115	34.5	1	10/16/15 09:58	10/19/15 16:25	95-48-7	
3&4-Methylphenol(m&p Cresol)	<34.8	ug/kg	116	34.8	1	10/16/15 09:58	10/19/15 16:25		
Naphthalene	<66.4	ug/kg	221	66.4	1	10/16/15 09:58	10/19/15 16:25	91-20-3	
2-Nitroaniline	<54.1	ug/kg	180	54.1	1	10/16/15 09:58	10/19/15 16:25	88-74-4	
3-Nitroaniline	<32.3	ug/kg	108	32.3	1	10/16/15 09:58	10/19/15 16:25	99-09-2	
4-Nitroaniline	<78.8	ug/kg	263	78.8	1	10/16/15 09:58	10/19/15 16:25	100-01-6	
Nitrobenzene	<38.5	ug/kg	128	38.5	1	10/16/15 09:58	10/19/15 16:25	98-95-3	
2-Nitrophenol	<60.0	ug/kg	200	60.0	1	10/16/15 09:58	10/19/15 16:25	88-75-5	
4-Nitrophenol	<47.8	ug/kg	159	47.8	1	10/16/15 09:58	10/19/15 16:25	100-02-7	
N-Nitroso-di-n-propylamine	<30.1	ug/kg	100	30.1	1	10/16/15 09:58	10/19/15 16:25	621-64-7	
N-Nitrosodiphenylamine	<258	ug/kg	859	258	1	10/16/15 09:58	10/19/15 16:25	86-30-6	
2,2'-Oxybis(1-chloropropane)	<49.0	ug/kg	163	49.0	1	10/16/15 09:58	10/19/15 16:25	108-60-1	
Pentachlorophenol	<41.8	ug/kg	139	41.8	1	10/16/15 09:58	10/19/15 16:25	87-86-5	
Phenanthrene	<24.4	ug/kg	81.2	24.4	1	10/16/15 09:58	10/19/15 16:25	85-01-8	
Phenol	<45.1	ug/kg	150	45.1	1	10/16/15 09:58	10/19/15 16:25	108-95-2	
Pyrene	<42.1	ug/kg	140	42.1	1	10/16/15 09:58	10/19/15 16:25	129-00-0	
1,2,4-Trichlorobenzene	<21.5	ug/kg	71.6	21.5	1	10/16/15 09:58	10/19/15 16:25	120-82-1	
2,4,5-Trichlorophenol	<33.6	ug/kg	112	33.6	1	10/16/15 09:58	10/19/15 16:25	95-95-4	
2,4,6-Trichlorophenol	<29.0	ug/kg	96.5	29.0	1	10/16/15 09:58	10/19/15 16:25	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	63	%	45-130		1	10/16/15 09:58	10/19/15 16:25	4165-60-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-8 (0-5)-101315 **Lab ID: 4012282018** Collected: 10/13/15 09:35 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

2-Fluorobiphenyl (S)	65	%	51-130		1	10/16/15 09:58	10/19/15 16:25	321-60-8	
Terphenyl-d14 (S)	124	%	37-134		1	10/16/15 09:58	10/19/15 16:25	1718-51-0	
Phenol-d6 (S)	64	%	36-130		1	10/16/15 09:58	10/19/15 16:25	13127-88-3	
2-Fluorophenol (S)	59	%	37-130		1	10/16/15 09:58	10/19/15 16:25	367-12-4	
2,4,6-Tribromophenol (S)	68	%	30-130		1	10/16/15 09:58	10/19/15 16:25	118-79-6	

8260 MSV 5035 Low Level

Analytical Method: EPA 8260 Preparation Method: EPA 8260

Acetone	<4.2	ug/kg	13.5	4.2	1	10/15/15 12:00	10/16/15 00:32	67-64-1	2q
Benzene	<1.1	ug/kg	3.4	1.1	1	10/15/15 12:00	10/16/15 00:32	71-43-2	
Bromodichloromethane	<0.74	ug/kg	3.4	0.74	1	10/15/15 12:00	10/16/15 00:32	75-27-4	
Bromoform	<0.57	ug/kg	3.4	0.57	1	10/15/15 12:00	10/16/15 00:32	75-25-2	
Bromomethane	<1.0	ug/kg	6.8	1.0	1	10/15/15 12:00	10/16/15 00:32	74-83-9	
2-Butanone (MEK)	<1.9	ug/kg	13.5	1.9	1	10/15/15 12:00	10/16/15 00:32	78-93-3	
Carbon disulfide	<0.87	ug/kg	3.4	0.87	1	10/15/15 12:00	10/16/15 00:32	75-15-0	
Carbon tetrachloride	<1.1	ug/kg	3.4	1.1	1	10/15/15 12:00	10/16/15 00:32	56-23-5	
Chlorobenzene	<1.1	ug/kg	3.4	1.1	1	10/15/15 12:00	10/16/15 00:32	108-90-7	
Chloroethane	<1.4	ug/kg	3.4	1.4	1	10/15/15 12:00	10/16/15 00:32	75-00-3	
Chloroform	<0.64	ug/kg	3.4	0.64	1	10/15/15 12:00	10/16/15 00:32	67-66-3	
Chloromethane	<0.38	ug/kg	3.4	0.38	1	10/15/15 12:00	10/16/15 00:32	74-87-3	
Dibromochloromethane	<1.2	ug/kg	3.4	1.2	1	10/15/15 12:00	10/16/15 00:32	124-48-1	
1,1-Dichloroethane	<1.6	ug/kg	3.4	1.6	1	10/15/15 12:00	10/16/15 00:32	75-34-3	
1,2-Dichloroethane	<0.66	ug/kg	3.4	0.66	1	10/15/15 12:00	10/16/15 00:32	107-06-2	
1,1-Dichloroethene	<1.5	ug/kg	3.4	1.5	1	10/15/15 12:00	10/16/15 00:32	75-35-4	
cis-1,2-Dichloroethene	<0.90	ug/kg	3.4	0.90	1	10/15/15 12:00	10/16/15 00:32	156-59-2	
trans-1,2-Dichloroethene	<0.84	ug/kg	3.4	0.84	1	10/15/15 12:00	10/16/15 00:32	156-60-5	
1,2-Dichloropropane	<0.85	ug/kg	3.4	0.85	1	10/15/15 12:00	10/16/15 00:32	78-87-5	
cis-1,3-Dichloropropene	<0.45	ug/kg	3.4	0.45	1	10/15/15 12:00	10/16/15 00:32	10061-01-5	
trans-1,3-Dichloropropene	<0.63	ug/kg	3.4	0.63	1	10/15/15 12:00	10/16/15 00:32	10061-02-6	
Ethylbenzene	<0.98	ug/kg	3.4	0.98	1	10/15/15 12:00	10/16/15 00:32	100-41-4	
2-Hexanone	<1.0	ug/kg	3.4	1.0	1	10/15/15 12:00	10/16/15 00:32	591-78-6	
Methylene Chloride	<1.3	ug/kg	3.4	1.3	1	10/15/15 12:00	10/16/15 00:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.83	ug/kg	3.4	0.83	1	10/15/15 12:00	10/16/15 00:32	108-10-1	
Methyl-tert-butyl ether	<0.68	ug/kg	3.4	0.68	1	10/15/15 12:00	10/16/15 00:32	1634-04-4	
Styrene	<0.51	ug/kg	3.4	0.51	1	10/15/15 12:00	10/16/15 00:32	100-42-5	
1,1,2,2-Tetrachloroethane	<1.4	ug/kg	3.4	1.4	1	10/15/15 12:00	10/16/15 00:32	79-34-5	
Tetrachloroethene	<1.1	ug/kg	3.4	1.1	1	10/15/15 12:00	10/16/15 00:32	127-18-4	
Toluene	<1.0	ug/kg	3.4	1.0	1	10/15/15 12:00	10/16/15 00:32	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/kg	3.4	1.0	1	10/15/15 12:00	10/16/15 00:32	71-55-6	
1,1,2-Trichloroethane	<1.3	ug/kg	3.4	1.3	1	10/15/15 12:00	10/16/15 00:32	79-00-5	
Trichloroethene	<1.3	ug/kg	3.4	1.3	1	10/15/15 12:00	10/16/15 00:32	79-01-6	
Vinyl chloride	<0.37	ug/kg	3.4	0.37	1	10/15/15 12:00	10/16/15 00:32	75-01-4	
Xylene (Total)	<3.0	ug/kg	10.2	3.0	1	10/15/15 12:00	10/16/15 00:32	1330-20-7	

Surrogates

Dibromofluoromethane (S)	109	%	70-130		1	10/15/15 12:00	10/16/15 00:32	1868-53-7	
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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: SR-8 (0-5)-101315 **Lab ID: 4012282018** Collected: 10/13/15 09:35 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	101	%	67-138		1	10/15/15 12:00	10/16/15 00:32	2037-26-5	
4-Bromofluorobenzene (S)	92	%	68-130		1	10/15/15 12:00	10/16/15 00:32	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	12.1	%	0.10	0.10	1		10/14/15 19:08		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.04	Std. Units	0.100	0.0100	1		10/15/15 19:15		H6

Revised 11/05/15 16:33

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

(Please Print Clearly)



www.faceanals.com

UPPER MIDWEST REGION
Phone: 612-607-1700
WI: 920-469-2436

Page 1 of 1
41002822

CHAIN OF CUSTODY

Preservation Codes
 A=None B=HCl C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
PRESERVATION
(CODE)

Company Name: **EDI**
 Branch/Location:
 Project Contact: **Patricia Collins**
 Phone: **312-345-1900**
 Project Number: **10295.0201**
 Project Name: **FAI 55**
 Project State:
 Sampled By (Print): **Cia R...**
 Sampled By (Sign): *[Signature]*
 PO #:
 Regulatory Program:

Data Package Options
 EPA Level III
 EPA Level IV
 On your sample (billable)
 NOT needed on your sample
MS/MSD
 A = Air
 B = Biota
 C = Charcoal
 O = Oil
 S = Soil
 SI = Sludge
 W = Water
 DW = Drinking Water
 GW = Ground Water
 SW = Surface Water
 WW = Waste Water
 WP = Wipe

PAGE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Analyses Requested													
		DATE	TIME		V / N	Pick Letter												
001	SR-1(6-2)-101315	10/1/15	0850	61	X													
002	SR-2(6-2)-101315		0905		X													
003	SR-2(6-2)-101315		0910		X													
004	SR-3(6-2)-101315		0930		X													
005	SR-4(6-2)-101315		0940		X													
006	SR-5(6-2)-101315		1000		X													
007	SR-12(6-4)-101315		1045		X													
008	SR-13(6-3)-101315		1105		X													
009	VA-1(6-3)-101315		1125		X													
010	VA-2(6-3)-101315		1140		X													
011	PV-1(6-4)-101315		1240		X													
012	PV-1(6-4)-101315		1245		X													
013	PV-2(6-4)-101315		1325		X													

Quote #:
 Mail To Contact:
 Mail To Company:
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS
 3-40MVA EEF
 LAB COMMENTS (Lab Use Only)
 3-40MVA

Relinquished By:	Date/Time:	Received By:	Date/Time:
<i>[Signature]</i>	10/1/15 1541	<i>[Signature]</i>	10/1/15 1344
<i>[Signature]</i>	10/1/15 1730	<i>[Signature]</i>	10/1/15
<i>[Signature]</i>	10/1/15 1000	<i>[Signature]</i>	10/1/15 1000

Transmit Prelim Rush Results by (complete what you want):
 Date Needed:
 Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Email #1:
 Email #2:
 Telephone:
 Fax:

Receipt Temp = 51.04 °C
 Sample Receipt pH
 OK / Adjusted
 Cooler Custody Seal
 Present / Not Present
 Intact / Not Intact

(Please Print Clearly)



CHAIN OF CUSTODY

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of 2
40122832
Page 3 of 38

A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
 (YES/NO)
 PRESERVATION
 (CODE)*

Company Name: EDI
 Branch/Location: _____
 Project Contact: Patricia/Colin
 Phone: _____
 Project Number: 0295.020
 Project Name: IDOT 035-056
 Project State: Illinois
 Sampled By (Print): Margaret Deveney-Skl...
 Sampled By (Sign): [Signature]
 PO #: _____

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD (billable)
 On your sample
 NOT needed on your sample

Matrix Codes
 A = Air B = Biota C = Charcoal D = Drinking Water
 E = Oil F = Ground Water G = Surface Water
 H = Sludge I = Waste Water J = Wipe

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX
------------	-----------------	------	------	--------

D14	SR-11(0-4)-101315	10-13-15	0845	S
D15	SR-11(0-4)-101315D	10-13-15	0845	S
D16	SR-10(0-4)-101315	10-13-15	0915	S
D17	SR-9(0-4)-101315	10-13-15	0920	S
D18	SR-8(0-5)-101315	10-13-15	0935	S
D19	SR-7(0-5)-101315	10-13-15	0950	S
D20	SR-7(5-9)-101315	10-13-15	0955	S
D21	SR-6(0-7)-101315	10-13-15	1018	S
D22	SR-6(7-14)-101315	10-13-15	1024	S
D23	AL2-16(0-5)-101315	10-13-15	1115	S
D24	AL2-16(5-9)-101315	10-13-15	1120	S
D25	AL1-1(0-5)-101315	10-13-15	1140	S
D26	AL1-1(0-5)-101315D	10-13-15	1140	S

Analyses Requested

Y/N	Pick Letter	
N	EF	VOCS
Y	A	SUOCS
Y	A	Total Metals
Y	A	TCLP Metals
Y	A	SPLP Metals
Y	A	DM

Quote #: _____
Mail To Contact: _____
Mail To Company: _____
Mail To Address: _____
Invoice To Contact: _____
Invoice To Company: _____
Invoice To Address: _____
Invoice To Phone: _____
CLIENT COMMENTS
 3-4PM VEF 3-4022832
LAB COMMENTS
 (Lab Use Only)
 Profile # _____

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed: _____

Relinquished By:	Date/Time:	Received By:	Date/Time:
[Signature]	10-13-15 1540	[Signature]	10-13-15 1540
[Signature]	10-13-15 1730	[Signature]	10-13-15 1730
[Signature]	10-13-15 1731	[Signature]	10-13-15 1731

PACE Project No. _____
Receipt Temp 5.10, 4 °C
Sample Receipt pH _____
OK / Adjusted
Cooler Custody Seal
 Present / Not Present
 Intact / Not Intact

Transmit Prelim Rush Results by (complete what you want):
 Email #1: _____
 Email #2: _____
 Telephone: _____
 Fax: _____
 Samples on HOLD are subject to special pricing and release of liability

Relinquished By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

(Please Print Clearly)

Company Name: EDI
 Branch/Location: Patricia/Colin
 Project Contact: Patricia/Colin
 Phone: _____
 Project Number: 0295.020
 Project Name: DOT 035 USE ET-SS
 Project State: Illinois
 Sampled By (Print): Margaret Dehew-Skull
 Sampled By (Sign): [Signature]
 PO #: _____

Data Package Options
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air B = Bids
 C = Charcoal O = Oil
 S = Soil SI = Sludge
 W = Water DW = Drinking Water
 GW = Ground Water SW = Surface Water
 WW = Waste Water WP = Wipe

CLIENT FIELD ID
 PAGE LAB # CLIENT FIELD ID



CHAIN OF CUSTODY

UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

Filtering Codes:
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfite Solution I=Sodium Thiosulfate J=Other

REGULATORY PROGRAM:
 FILTERED? (YES/NO)
 PRESERVATION (CODE)*

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Analyses Requested		V/I/N	Pick/Letter										
					DATE	TIME												
027	ALI-4(0-5)-101315	10-13-15	1325	S	X	X	X	X	VOCs									
028	ALI-4(5-9)-101315	10-13-15	1330	S	X	X	X	X	SUOCs									
029	ALI-5(0-5)-101315	10-13-15	1345	S	X	X	X	X	Total Metals									
030	ALI-5(5-9)-101315	10-13-15	1350	S	X	X	X	X	Total Metals									
031	ALI-6(0-5)-101315	10-13-15	1424	S	X	X	X	X	TCMP Metals									
032	ALI-6(0-5)-101315	10-13-15	1430	S	X	X	X	X	SPUP Metck									
033	ALI-6(5-9)-101315	10-13-15	1439	S	X	X	X	X	PH									
034	RC-1(0-7)-101315	10-13-15	1447	S	X	X	X	X										
035	RC-2(0-5)-101315	10-13-15	1505	S	X	X	X	X										
036	RC-2(5-9)-101315	10-13-15	1510	S	X	X	X	X										
037	RC-3(0-7)-101315	10-13-15	1520	S	X	X	X	X										

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed: _____

Transmit Prelim Rush Results by (complete what you want):
 Email #1: _____
 Email #2: _____
 Telephone: _____
 Fax: _____

Relinquished By: [Signature] Date/Time: 10-13-2015 1530
 Relinquished By: [Signature] Date/Time: 10-13-2015 1730
 Relinquished By: [Signature] Date/Time: 10-13-2015 1800

Received By: [Signature] Date/Time: 10-13-2015 1940
 Received By: [Signature] Date/Time: 10-13-2015 1940
 Received By: [Signature] Date/Time: 10-13-2015 1940

Quote #: _____
 Mail To Contact: _____
 Mail To Company: _____
 Mail To Address: _____
 Invoice To Contact: _____
 Invoice To Company: _____
 Invoice To Address: _____
 Invoice To Phone: _____
 CLIENT COMMENTS: 3-40ML EEF 3-4022g
 LAB COMMENTS (Lab Use Only): _____
 Profile #: _____

Relinquished By: [Signature] Date/Time: 10-13-2015 1530
 Relinquished By: [Signature] Date/Time: 10-13-2015 1730
 Relinquished By: [Signature] Date/Time: 10-13-2015 1800

Received By: [Signature] Date/Time: 10-13-2015 1940
 Received By: [Signature] Date/Time: 10-13-2015 1940
 Received By: [Signature] Date/Time: 10-13-2015 1940

Receipt Temp = 51.04 °C
 Sample Receipt pH: _____
 OK / Adjusted: _____
 Cooler Custody Seal Present / Not Present: _____
 Intact / Not Intact: _____

(Please Print Clearly)



CHAIN OF CUSTODY

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

RESERVATION (CODE)*
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Regulatory Program:
Sampled By (Print): Margaret Doherty-SKibic
Sampled By (Sign): *[Signature]*

Company Name: EDI
 Branch/Location:
 Project Contact: Patricia Goin
 Phone:
 Project Number: 029 5 020
 Project Name: IDOT 035-USE 01-SS
 Project State: Illinois
 Data Package Options (billable):
 EPA Level III
 EPA Level IV
 MS/MSD (billable):
 On your sample (billable)
 NOT needed on your sample
 Matrix Codes:
 A = Air W = Water
 B = Bids DW = Drinking Water
 C = Charcoal GW = Ground Water
 D = Oil SW = Surface Water
 S = Soil WW = Waste Water
 Sl = Sludge WP = Wipe

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX
D38	AL-1(5-9)-101315	10-13-15	1150	S
D39	AL-2(10-5)-101315	10-13-15	1212	S
D40	AL-2(5-9)-101315	10-13-15	1218	S
D41	AL-3(6-5)-101315	10-13-15	1253	S
D42	AL-3(5-9)-101315	10-13-15	1258	S

Analyses Requested	V/I/N	
	Pick Letter	Letter
VOCS	E	F
SVOCs	A	
TOTAL Metals	A	
TEP Metals	A	
SPLP Metals	A	
PH	A	

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed:
 Transmit Prelim Rush Results by (complete what you want):
 Email #1:
 Email #2:
 Telephone:
 Fax:
 Samples on HOLD are subject to special pricing and release of liability

Relinquished By: *[Signature]* Date/Time: 10-13-2015 1640
 Relinquished By: *[Signature]* Date/Time: 10-13-15 1230
 Relinquished By: *[Signature]* Date/Time: 10-14-15 1000
 Relinquished By: *[Signature]* Date/Time: 10-14-15 1000

Received By: *[Signature]* Date/Time: 10-14-15 1440
 Received By: *[Signature]* Date/Time: 10-13-15 1230
 Received By: *[Signature]* Date/Time: 10-14-15 1000
 Received By: *[Signature]* Date/Time: 10-14-15 1000

Receipt Temp - 51.0/4 °C
 Sample Receipt pH
 OK / Adjusted
 Cooler/Custody Seal Present / Not Present
 Intact / Not Intact

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
3-40MVEEF	3-4029g	
	LAST ITEM	



Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Project #:

WO#: 40122822



40122822

Client Name: EDI

Courier: Fed Ex UPS Client Pace Other: CS LOGISTICS

Tracking #:

Custody Seal on Cooler/Box Present: X yes no Seals intact: X yes no

Custody Seal on Samples Present: yes X no Seals intact: yes no

Packing Material: Bubble Wrap X Bubble Bags None Other

Thermometer Used SPLA Type of Ice: Wet Blue Dry None X Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 5.60.4 / Corr: 5.10.4 Biological Tissue is Frozen: yes

Temp Blank Present: X yes no

Person examining contents:
Date: 10/14/15
Initials: [Signature]

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows of checklist items including Chain of Custody, Short Hold Time Analysis, Rush Turn Around Time, Sufficient Volume, Containers Intact, Sample Labels match COC, and Trip Blank Present.

Client Notification/ Resolution:

Person Contacted: Date/Time: If checked, see attached form for additional comments

Comments/ Resolution:

Handwritten notes: 040 1 of 3 vials collect time 12/12, 042 1 of 3 jars no collect date 10/14/15, 025 1 of 3 jars no collect time

Project Manager Review:

[Signature]

Date: 10/14/15



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAI 55: Interstate Route 55 at US Route 6 Office Phone Number, if available: _____

Physical Site Location (address, including number and street):

23813-23819 Eames Street (ISGS Site No. 693V-20)

City: Channahon State: IL Zip Code: _____

County: Will Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.456676687 Longitude: -88.194277668

(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: _____ BOL: _____ BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

Street Address: 201 West Center Court

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: Schaumburg State: IL

Zip Code: 60196-1096 Phone: 847-705-4101

Zip Code: 60196-1096 Phone: 847-705-4101

Contact: Sam Mead

Contact: Sam Mead

Email, if available: Sam.Mead@illinois.gov

Email, if available: Sam.Mead@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAI 55: Interstate Route 55 at US Route 6

Latitude: 41.456676687 Longitude: -88.194277668

Uncontaminated Site Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

- a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a):

LOCATIONS VU1-1, VU1-2, CB-1, VU1-4, AND VU1-5 WERE SAMPLED ADJACENT TO ISGS SITE No. 693V-20. SEE FIGURE 3-1 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

- b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

PACE ANALYTICAL REPORT - JOB ID: 40122822 AND 40122890
 TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-82944-1
 ALSO SEE FIGURE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

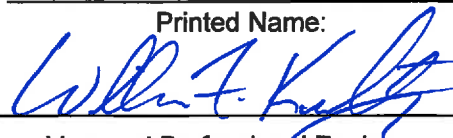
I, William F. Karlovitz, P.E. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Weston Solutions, Inc.
 Street Address: 300 Circle Plaza; Suite 202
 City: Mundelein State: IL Zip Code: 60060
 Phone: (224) 864-7200

William F. Karlovitz, P.E.

Printed Name:


 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

14 Dec. 2015

Date:



P.E. or L.P.G. Seal:

Summary Table of ISGS Site No. 693V-20
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	VU1-1 (0-3)-101315	VU1-2 (0-3)-101315	CB-1(0-7)-082514	CB-1(0-7)-082514D	CB-1(7-15)-082514	Soil Reference Concentrations ^A
Sample Date	10/13/2015	10/13/2015	8/25/2014	8/25/2014	8/25/2014	
Location ID	VU1-1	VU1-2	CB-1	CB-1	CB-1	
Depth	0 - 3	0 - 3	0 - 7	0 - 7	7 - 15	
Lab Sample ID	40122822009	40122822010	500-82944-1	500-82944-2	500-82944-3	
Location Code	693V-20	693V-20	693V-20	693V-20	693V-20	
Parameter						
Laboratory pH	7.96 J	8.46 J	8.89	8.7	7.46	<6.25, >9.0
VOCs (ug/kg)						
Acetone	ND	ND	ND	110	100	25000
Methyl ethyl ketone	ND	ND	ND	18 J	20	---
Toluene	ND	ND	ND	ND	ND	12000
SVOCs (ug/kg)						
Benzo(a)pyrene	453	64.4 J	280 J	330	ND	90 / 1300 / 2100
Total Metals (mg/kg)						
Arsenic, Total	5.5	3.8	4.3	4.3	6.1	11.3 / 13.0
Barium, Total	50.1	39.1	33	43	36	1500
Beryllium, Total	0.25 J	0.17 J	0.31	0.34	0.43	22
Cadmium, Total	0.21 J	0.15 J	0.22 J-	0.32 J-	0.26 J-	5.2
Calcium, Total	71300	111000	98000 J+	150000 J+	140000 J+	---
Chromium, Total	11.7	13.1	9.3 J	9.4 J	12 J	21
Cobalt, Total	6.8	4.1	4 J-	3.8 J-	4.3 J-	20
Copper, Total	17.1	18.4	13 B	12 B	14 B	2900
Iron, Total	13500	11600	9300 J+	9900 J+	12000 J+	15000 / 15900
Lead, Total	32	29.3	30 J	34 J	6.4 J	107
Magnesium, Total	40100	59700	45000 J	85000 J	80000 J+	325000
Manganese, Total	384	360	350 J	480 J	420 J	630 / 636
Mercury, Total	0.029	0.012 J	0.016 J	0.034 J	0.023 J	0.89
Nickel, Total	11.3	9.1	9.9 J-	9.2 J-	12 J-	100
Potassium, Total	790	671	1500 J+	1700 J+	2100 J+	---
Selenium, Total	0.5 J	0.53 J	ND	ND	ND	1.3
Sodium, Total	646	444	1100 J+	1200 J+	940 J+	---
Thallium, Total	ND	ND	0.74	0.63	0.7	2.6
Vanadium, Total	21.1	13.1	16	17	21	550
Zinc, Total	46.6	46.7	34 J-	40 J-	22 J-	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	0.011 J	ND	0.05
Barium, TCLP	ND	ND	0.69	0.63	0.56	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	0.00092 J	0.00079 J	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	0.0093 J	ND	0.024 J	0.023 J	ND	1
Copper, TCLP	ND	ND	0.02 J	0.06 J	0.019 J	0.65
Iron, TCLP	0.015 J	ND	0.33	0.31	ND	5
Lead, TCLP	ND	ND	0.0095	0.01	ND	0.0075
Manganese, TCLP	3.1	0.57	5.2	5.8	0.82	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.011 J	0.0067 J	0.029	0.03	ND	0.1
Selenium, TCLP	ND	0.0074 J	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	ND	0.35	0.3	0.23	5
SPLP Metals (mg/l)						
Arsenic, SPLP	0.0084 J	ND	0.018 J	0.019 J	ND	0.05
Barium, SPLP	0.096 J	ND	0.26 J	0.27 J	0.09 J	2
Beryllium, SPLP	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.014	0.0043 J	0.057	0.063	0.023 J	0.1
Cobalt, SPLP	0.0065 J	0.0008 J	0.021 J	0.021 J	ND	1
Copper, SPLP	0.029	0.0052 J	ND	0.097 B	ND	0.65
Iron, SPLP	15.3	4.3	57	60	19	5
Lead, SPLP	0.026	0.0048 J	0.18	0.18	0.014	0.0075
Manganese, SPLP	0.15	0.047	0.67	0.67	0.21	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	0.015 J	0.0036 J	0.056	0.062	0.018 J	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	ND	ND	0.22	0.29	0.049 J	5

Summary Table of ISGS Site No. 693V-20
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	VU1-4 (0-5)-101415	VU1-4 (5-10)-101415	VU1-5 (0-5)-101415	VU1-5 (0-5)-101415D	VU1-5 (5-10)-101415	Soil Reference Concentrations ^A
Sample Date	10/14/2015	10/14/2015	10/14/2015	10/14/2015	10/14/2015	
Location ID	VU1-4	VU1-4	VU1-5	VU1-5	VU1-5	
Depth	0 - 5	5 - 10	0 - 5	0 - 5	5 - 10	
Lab Sample ID	40122890043	40122890044	40122890045	40122890046	40122890047	
Location Code	693V-20	693V-20	693V-20	693V-20	693V-20	
Parameter						
Laboratory pH	8.95 J	7.9 J	8.32 J	8.21 J	8.45 J	<6.25, >9.0
VOCs (ug/kg)						
Acetone	7 J	ND	ND	ND	ND	25000
Methyl ethyl ketone	ND	ND	ND	ND	ND	---
Toluene	ND	ND	ND	ND	ND	12000
SVOCS (ug/kg)						
Benzo(a)pyrene	ND	ND	121	114	195	90 / 1300 / 2100
Total Metals (mg/kg)						
Arsenic, Total	2.6	6.8	3	4.1	2.9	11.3 / 13.0
Barium, Total	8.3 J	118	57	70.9	49.3	1500
Beryllium, Total	ND	0.84	0.23 J	0.3 J	0.093 J	22
Cadmium, Total	0.12 J	0.35 J	0.19 J	0.38 J	0.2 J	5.2
Calcium, Total	148000	9560	25600 J	44300 J	119000	---
Chromium, Total	4	32.6	10.9	10.5	8.2	21
Cobalt, Total	1.9	12.7	5.2	5.5	4	20
Copper, Total	7.4	36.5	11.2	18.1	18.8	2900
Iron, Total	6550	30500	11100	12500	10500	15000 / 15900
Lead, Total	1.9	21.2	10.5 J	19 J	4.8	107
Magnesium, Total	82400	8380	11200	15200	42500	325000
Manganese, Total	236	404	382	460	462	630 / 636
Mercury, Total	ND	0.048	0.018	0.024	ND	0.89
Nickel, Total	4.5	30.1	9	9.3	7.9	100
Potassium, Total	340 J	1660 J	874 J	1010 J	525 J	---
Selenium, Total	0.58 J	ND	ND	0.48 J	0.74 J	1.3
Sodium, Total	202	915	300	381	285	---
Thallium, Total	ND	ND	ND	ND	ND	2.6
Vanadium, Total	6.3	66.5	18.5	19.2	12.3	550
Zinc, Total	13.7	64.7	33 J	56 J	25.5	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	ND	0.52	0.5	0.48 J	0.28 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	0.47 J	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	1.1	0.44	0.19	0.18	0.58	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	ND	ND	ND	ND	5
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	0.034 J	ND	ND	ND	0.05
Barium, SPLP	ND	2.3	0.78	0.53	0.26 J	2
Beryllium, SPLP	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	ND	0.23	0.028 J	ND	ND	0.1
Cobalt, SPLP	ND	0.05 J	ND	ND	ND	1
Copper, SPLP	ND	0.22	0.029 J	ND	ND	0.65
Iron, SPLP	ND	164	21.5 J	12 J	0.65	5
Lead, SPLP	ND	0.1	0.016	0.01	ND	0.0075
Manganese, SPLP	ND	1.3	0.25	0.15	ND	0.15
Mercury, SPLP	ND	0.0009	0.00039	ND	ND	0.002
Nickel, SPLP	ND	0.2	ND	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	ND	0.75	0.16	0.1	0.048 J	5

Summary Table of ISGS Site No. 693V-20
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Notes:

--- - not applicable or value not available.

^A - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.


B - Constituent detected in the blank and investigative sample.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

J+ - Estimated concentration, biased high.

 Shaded values indicate concentration **exceeds** Reference Concentration.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Chicago

2417 Bond Street

University Park, IL 60484

Tel: (708)534-5200

TestAmerica Job ID: 500-82944-1

Client Project/Site: IDOT - Channahon - WO 085

For:

Weston Solutions, Inc.

300 Plaza Circle, Suite 202

Mundelein, Illinois 60060

Attn: Mr. S. Babusukumar



Authorized for release by:

9/10/2014 3:20:14 PM

Richard Wright, Senior Project Manager

(708)534-5200

richard.wright@testamericainc.com



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

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: CB-1(0-7)-082514

Lab Sample ID: 500-82944-1

Date Collected: 08/25/14 08:55

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 90.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.5		5.5	2.4	ug/Kg	*		08/27/14 15:22	1
Benzene	<5.5		5.5	0.76	ug/Kg	*		08/27/14 15:22	1
Bromodichloromethane	<5.5		5.5	0.96	ug/Kg	*		08/27/14 15:22	1
Bromoform	<5.5		5.5	1.3	ug/Kg	*		08/27/14 15:22	1
Bromomethane	<5.5		5.5	1.7	ug/Kg	*		08/27/14 15:22	1
Carbon disulfide	<5.5		5.5	0.83	ug/Kg	*		08/27/14 15:22	1
Carbon tetrachloride	<5.5		5.5	1.0	ug/Kg	*		08/27/14 15:22	1
Chlorobenzene	<5.5		5.5	0.56	ug/Kg	*		08/27/14 15:22	1
Chloroethane	<5.5		5.5	1.5	ug/Kg	*		08/27/14 15:22	1
Chloroform	<5.5		5.5	0.64	ug/Kg	*		08/27/14 15:22	1
Chloromethane	<5.5		5.5	1.2	ug/Kg	*		08/27/14 15:22	1
cis-1,2-Dichloroethene	<5.5		5.5	0.78	ug/Kg	*		08/27/14 15:22	1
cis-1,3-Dichloropropene	<5.5		5.5	0.73	ug/Kg	*		08/27/14 15:22	1
Dibromochloromethane	<5.5		5.5	0.97	ug/Kg	*		08/27/14 15:22	1
1,1-Dichloroethane	<5.5		5.5	0.88	ug/Kg	*		08/27/14 15:22	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	*		08/27/14 15:22	1
1,1-Dichloroethene	<5.5		5.5	0.90	ug/Kg	*		08/27/14 15:22	1
1,2-Dichloropropane	<5.5		5.5	0.84	ug/Kg	*		08/27/14 15:22	1
1,3-Dichloropropene, Total	<5.5		5.5	0.73	ug/Kg	*		08/27/14 15:22	1
Ethylbenzene	<5.5		5.5	1.1	ug/Kg	*		08/27/14 15:22	1
2-Hexanone	<5.5		5.5	1.6	ug/Kg	*		08/27/14 15:22	1
Methylene Chloride	<5.5		5.5	1.5	ug/Kg	*		08/27/14 15:22	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	*		08/27/14 15:22	1
methyl isobutyl ketone	<5.5		5.5	1.5	ug/Kg	*		08/27/14 15:22	1
Methyl tert-butyl ether	<5.5		5.5	0.92	ug/Kg	*		08/27/14 15:22	1
Styrene	<5.5		5.5	0.73	ug/Kg	*		08/27/14 15:22	1
1,1,1,2-Tetrachloroethane	<5.5		5.5	1.1	ug/Kg	*		08/27/14 15:22	1
Tetrachloroethene	<5.5		5.5	0.85	ug/Kg	*		08/27/14 15:22	1
Toluene	<5.5		5.5	0.78	ug/Kg	*		08/27/14 15:22	1
trans-1,2-Dichloroethene	<5.5		5.5	0.76	ug/Kg	*		08/27/14 15:22	1
trans-1,3-Dichloropropene	<5.5		5.5	0.99	ug/Kg	*		08/27/14 15:22	1
1,1,1-Trichloroethane	<5.5		5.5	0.83	ug/Kg	*		08/27/14 15:22	1
1,1,2-Trichloroethane	<5.5		5.5	0.76	ug/Kg	*		08/27/14 15:22	1
Trichloroethene	<5.5		5.5	0.92	ug/Kg	*		08/27/14 15:22	1
Vinyl chloride	<5.5		5.5	1.2	ug/Kg	*		08/27/14 15:22	1
Xylenes, Total	<11		11	0.50	ug/Kg	*		08/27/14 15:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122		08/27/14 15:22	1
Dibromofluoromethane	107		75 - 120		08/27/14 15:22	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 134		08/27/14 15:22	1
Toluene-d8 (Surr)	96		75 - 122		08/27/14 15:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	*	09/02/14 07:19	09/09/14 15:17	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	*	09/02/14 07:19	09/09/14 15:17	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	*	09/02/14 07:19	09/09/14 15:17	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	*	09/02/14 07:19	09/09/14 15:17	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	*	09/02/14 07:19	09/09/14 15:17	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: CB-1(0-7)-082514

Lab Sample ID: 500-82944-1

Date Collected: 08/25/14 08:55

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
2,4-Dichlorophenol	<360		360	85	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
2-Methylnaphthalene	20	J	36	6.6	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
2-Methylphenol	<180		180	57	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Acenaphthene	69		36	6.4	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Acenaphthylene	8.6	J	36	4.7	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Anthracene	140		36	6.0	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Benzo[a]anthracene	290		36	4.8	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Benzo[a]pyrene	280		36	6.9	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Benzo[b]fluoranthene	350		36	7.7	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Benzo[g,h,i]perylene	220		36	12	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Benzo[k]fluoranthene	200		36	11	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Bis(2-ethylhexyl) phthalate	460		180	65	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Carbazole	<180		180	92	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Chrysene	320		36	9.8	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Dibenz(a,h)anthracene	36		36	6.9	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Dibenzofuran	<180		180	42	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Fluoranthene	810		36	6.6	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Fluorene	62		36	5.0	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Hexachlorocyclopentadiene	<720		720	210	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Hexachloroethane	<180		180	54	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: CB-1(0-7)-082514

Lab Sample ID: 500-82944-1

Date Collected: 08/25/14 08:55

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	190		36	9.3	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Isophorone	<180		180	40	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Naphthalene	12	J	36	5.5	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Nitrobenzene	<36		36	8.9	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Phenanthrene	470		36	5.0	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Phenol	<180		180	80	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Pyrene	770		36	7.1	ug/Kg	☼	09/02/14 07:19	09/09/14 15:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	75		35 - 137				09/02/14 07:19	09/09/14 15:17	1
2-Fluorobiphenyl	70		25 - 119				09/02/14 07:19	09/09/14 15:17	1
2-Fluorophenol	74		25 - 110				09/02/14 07:19	09/09/14 15:17	1
Nitrobenzene-d5	66		25 - 115				09/02/14 07:19	09/09/14 15:17	1
Phenol-d5	76		31 - 110				09/02/14 07:19	09/09/14 15:17	1
Terphenyl-d14	99		36 - 134				09/02/14 07:19	09/09/14 15:17	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/03/14 08:15	09/04/14 12:41	1
Barium	0.69		0.50	0.050	mg/L		09/03/14 08:15	09/04/14 12:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:15	09/04/14 12:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:15	09/04/14 12:41	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 12:41	1
Cobalt	0.024	J	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 12:41	1
Copper	0.020	J	0.025	0.010	mg/L		09/03/14 08:15	09/04/14 12:41	1
Iron	0.33		0.20	0.20	mg/L		09/03/14 08:15	09/04/14 12:41	1
Lead	0.0095		0.0075	0.0075	mg/L		09/03/14 08:15	09/04/14 12:41	1
Manganese	5.2		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 12:41	1
Nickel	0.029		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 12:41	1
Selenium	0.016	J B	0.050	0.010	mg/L		09/03/14 08:15	09/04/14 12:41	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 12:41	1
Zinc	0.35		0.10	0.020	mg/L		09/03/14 08:15	09/04/14 12:41	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.018	J	0.050	0.010	mg/L		09/02/14 15:40	09/05/14 02:16	1
Barium	0.26	J	0.50	0.050	mg/L		09/02/14 15:40	09/05/14 02:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/05/14 02:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/05/14 02:16	1
Chromium	0.057		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:16	1
Cobalt	0.021	J	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:16	1
Copper	0.059	B	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:16	1
Iron	57		0.20	0.20	mg/L		09/02/14 15:40	09/05/14 02:16	1
Lead	0.18		0.0075	0.0075	mg/L		09/02/14 15:40	09/05/14 02:16	1
Manganese	0.67		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:16	1
Nickel	0.056		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:16	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 02:16	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: CB-1(0-7)-082514

Lab Sample ID: 500-82944-1

Date Collected: 08/25/14 08:55

Matrix: Solid

Date Received: 08/26/14 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:16	1
Zinc	0.22		0.10	0.020	mg/L		09/02/14 15:40	09/05/14 02:16	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.41	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Arsenic	4.3		0.51	0.10	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Barium	33		0.51	0.055	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Beryllium	0.31		0.21	0.041	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Cadmium	0.22		0.10	0.013	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Calcium	98000	B	100	28	mg/Kg	☼	09/03/14 10:00	09/05/14 23:34	10
Chromium	9.3	B	0.51	0.059	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Cobalt	4.0		0.26	0.051	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Copper	13	B	0.51	0.10	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Iron	9300		10	4.2	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Lead	30		0.26	0.076	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Magnesium	45000	B	5.1	1.1	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Manganese	350		0.51	0.10	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Nickel	9.9		0.51	0.10	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Potassium	1500		26	1.5	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Selenium	<0.51		0.51	0.18	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Silver	<0.26		0.26	0.019	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Sodium	1100	B	51	6.9	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Thallium	0.74		0.51	0.22	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Vanadium	16		0.26	0.038	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1
Zinc	34	B	1.0	0.21	mg/Kg	☼	09/03/14 10:00	09/04/14 20:55	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 11:17	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 09:36	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	16		16	6.3	ug/Kg	☼	09/03/14 14:30	09/04/14 10:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.89		0.200	0.200	SU			08/28/14 23:37	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: CB-1(0-7)-082514D

Lab Sample ID: 500-82944-2

Date Collected: 08/25/14 08:55

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 86.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	110		5.8	2.5	ug/Kg	☼		08/27/14 15:44	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		08/27/14 15:44	1
Bromodichloromethane	<5.8		5.8	0.99	ug/Kg	☼		08/27/14 15:44	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		08/27/14 15:44	1
Bromomethane	<5.8		5.8	1.7	ug/Kg	☼		08/27/14 15:44	1
Carbon disulfide	<5.8		5.8	0.86	ug/Kg	☼		08/27/14 15:44	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		08/27/14 15:44	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		08/27/14 15:44	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		08/27/14 15:44	1
Chloroform	<5.8		5.8	0.66	ug/Kg	☼		08/27/14 15:44	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		08/27/14 15:44	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		08/27/14 15:44	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		08/27/14 15:44	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		08/27/14 15:44	1
1,1-Dichloroethane	<5.8		5.8	0.91	ug/Kg	☼		08/27/14 15:44	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		08/27/14 15:44	1
1,1-Dichloroethene	<5.8		5.8	0.93	ug/Kg	☼		08/27/14 15:44	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		08/27/14 15:44	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		08/27/14 15:44	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		08/27/14 15:44	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		08/27/14 15:44	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		08/27/14 15:44	1
Methyl Ethyl Ketone	18		5.8	2.1	ug/Kg	☼		08/27/14 15:44	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		08/27/14 15:44	1
Methyl tert-butyl ether	<5.8		5.8	0.95	ug/Kg	☼		08/27/14 15:44	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		08/27/14 15:44	1
1,1,1,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		08/27/14 15:44	1
Tetrachloroethene	<5.8		5.8	0.88	ug/Kg	☼		08/27/14 15:44	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		08/27/14 15:44	1
trans-1,2-Dichloroethene	<5.8		5.8	0.79	ug/Kg	☼		08/27/14 15:44	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		08/27/14 15:44	1
1,1,1-Trichloroethane	<5.8		5.8	0.86	ug/Kg	☼		08/27/14 15:44	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		08/27/14 15:44	1
Trichloroethene	<5.8		5.8	0.95	ug/Kg	☼		08/27/14 15:44	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		08/27/14 15:44	1
Xylenes, Total	<12		12	0.52	ug/Kg	☼		08/27/14 15:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 122		08/27/14 15:44	1
Dibromofluoromethane	103		75 - 120		08/27/14 15:44	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		08/27/14 15:44	1
Toluene-d8 (Surr)	95		75 - 122		08/27/14 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: CB-1(0-7)-082514D

Lab Sample ID: 500-82944-2

Date Collected: 08/25/14 08:55

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 86.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
2-Methylnaphthalene	15	J	37	6.9	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
2-Methylphenol	<190		190	60	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Acenaphthene	110		37	6.8	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Anthracene	220		37	6.3	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Benzo[a]anthracene	440		37	5.1	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Benzo[a]pyrene	330		37	7.3	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Benzo[b]fluoranthene	500		37	8.1	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Benzo[g,h,i]perylene	230		37	12	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Benzo[k]fluoranthene	160		37	11	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Bis(2-ethylhexyl) phthalate	88	J	190	69	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Carbazole	150	J	190	97	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Chrysene	490		37	10	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Dibenz(a,h)anthracene	61		37	7.3	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Dibenzofuran	52	J	190	44	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Fluoranthene	1300		37	7.0	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Fluorene	110		37	5.3	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Hexachloroethane	<190		190	57	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: CB-1(0-7)-082514D

Lab Sample ID: 500-82944-2

Date Collected: 08/25/14 08:55

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 86.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	190		37	9.7	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Isophorone	<190		190	42	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Naphthalene	12 J		37	5.8	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Phenanthrene	1200		37	5.2	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Phenol	<190		190	84	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Pyrene	1300		37	7.5	ug/Kg	☼	09/02/14 07:19	09/03/14 16:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	82		35 - 137				09/02/14 07:19	09/03/14 16:34	1
2-Fluorobiphenyl	58		25 - 119				09/02/14 07:19	09/03/14 16:34	1
2-Fluorophenol	42		25 - 110				09/02/14 07:19	09/03/14 16:34	1
Nitrobenzene-d5	42		25 - 115				09/02/14 07:19	09/03/14 16:34	1
Phenol-d5	44		31 - 110				09/02/14 07:19	09/03/14 16:34	1
Terphenyl-d14	67		36 - 134				09/02/14 07:19	09/03/14 16:34	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.011 J		0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:01	1
Barium	0.63		0.50	0.050	mg/L		09/03/14 08:15	09/04/14 13:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:15	09/04/14 13:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:15	09/04/14 13:01	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:01	1
Cobalt	0.023 J		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:01	1
Copper	0.060		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:01	1
Iron	0.31		0.20	0.20	mg/L		09/03/14 08:15	09/04/14 13:01	1
Lead	0.010		0.0075	0.0075	mg/L		09/03/14 08:15	09/04/14 13:01	1
Manganese	5.8		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:01	1
Nickel	0.030		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:01	1
Selenium	0.017 J B		0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:01	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:01	1
Zinc	0.30		0.10	0.020	mg/L		09/03/14 08:15	09/04/14 13:01	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.019 J		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 02:20	1
Barium	0.27 J		0.50	0.050	mg/L		09/02/14 15:40	09/05/14 02:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/05/14 02:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/05/14 02:20	1
Chromium	0.063		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:20	1
Cobalt	0.021 J		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:20	1
Copper	0.097 B		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:20	1
Iron	60		0.20	0.20	mg/L		09/02/14 15:40	09/05/14 02:20	1
Lead	0.18		0.0075	0.0075	mg/L		09/02/14 15:40	09/05/14 02:20	1
Manganese	0.67		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:20	1
Nickel	0.062		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:20	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 02:20	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: CB-1(0-7)-082514D

Lab Sample ID: 500-82944-2

Date Collected: 08/25/14 08:55

Matrix: Solid

Date Received: 08/26/14 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:20	1
Zinc	0.29		0.10	0.020	mg/L		09/02/14 15:40	09/05/14 02:20	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.45	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Arsenic	4.3		0.56	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Barium	43		0.56	0.060	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Beryllium	0.34		0.22	0.045	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Cadmium	0.32		0.11	0.014	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Calcium	150000	B	110	30	mg/Kg	☼	09/03/14 10:00	09/06/14 00:03	10
Chromium	9.4	B	0.56	0.065	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Cobalt	3.8		0.28	0.056	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Copper	12	B	0.56	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Iron	9900		11	4.6	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Lead	34		0.28	0.083	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Magnesium	85000	B	56	12	mg/Kg	☼	09/03/14 10:00	09/06/14 00:03	10
Manganese	480		0.56	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Nickel	9.2		0.56	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Potassium	1700		28	1.7	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Selenium	<0.56		0.56	0.20	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Silver	<0.28		0.28	0.020	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Sodium	1200	B	56	7.5	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Thallium	0.63		0.56	0.24	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Vanadium	17		0.28	0.041	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1
Zinc	40	B	1.1	0.23	mg/Kg	☼	09/03/14 10:00	09/04/14 21:41	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 11:19	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 09:38	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	34		17	6.6	ug/Kg	☼	09/03/14 14:30	09/04/14 10:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.70		0.200	0.200	SU			08/28/14 23:37	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: CB-1(7-15)-082514

Lab Sample ID: 500-82944-3

Date Collected: 08/25/14 09:00

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 84.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	100		5.9	2.6	ug/Kg	☼		08/27/14 16:07	1
Benzene	<5.9		5.9	0.82	ug/Kg	☼		08/27/14 16:07	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		08/27/14 16:07	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		08/27/14 16:07	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		08/27/14 16:07	1
Carbon disulfide	<5.9		5.9	0.89	ug/Kg	☼		08/27/14 16:07	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		08/27/14 16:07	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		08/27/14 16:07	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		08/27/14 16:07	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		08/27/14 16:07	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		08/27/14 16:07	1
cis-1,2-Dichloroethene	<5.9		5.9	0.84	ug/Kg	☼		08/27/14 16:07	1
cis-1,3-Dichloropropene	<5.9		5.9	0.78	ug/Kg	☼		08/27/14 16:07	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		08/27/14 16:07	1
1,1-Dichloroethane	<5.9		5.9	0.94	ug/Kg	☼		08/27/14 16:07	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	☼		08/27/14 16:07	1
1,1-Dichloroethene	<5.9		5.9	0.96	ug/Kg	☼		08/27/14 16:07	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	☼		08/27/14 16:07	1
1,3-Dichloropropene, Total	<5.9		5.9	0.78	ug/Kg	☼		08/27/14 16:07	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		08/27/14 16:07	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		08/27/14 16:07	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		08/27/14 16:07	1
Methyl Ethyl Ketone	20		5.9	2.2	ug/Kg	☼		08/27/14 16:07	1
methyl isobutyl ketone	<5.9		5.9	1.6	ug/Kg	☼		08/27/14 16:07	1
Methyl tert-butyl ether	<5.9		5.9	0.98	ug/Kg	☼		08/27/14 16:07	1
Styrene	<5.9		5.9	0.78	ug/Kg	☼		08/27/14 16:07	1
1,1,1,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		08/27/14 16:07	1
Tetrachloroethene	<5.9		5.9	0.91	ug/Kg	☼		08/27/14 16:07	1
Toluene	<5.9		5.9	0.83	ug/Kg	☼		08/27/14 16:07	1
trans-1,2-Dichloroethene	<5.9		5.9	0.82	ug/Kg	☼		08/27/14 16:07	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		08/27/14 16:07	1
1,1,1-Trichloroethane	<5.9		5.9	0.89	ug/Kg	☼		08/27/14 16:07	1
1,1,2-Trichloroethane	<5.9		5.9	0.81	ug/Kg	☼		08/27/14 16:07	1
Trichloroethene	<5.9		5.9	0.98	ug/Kg	☼		08/27/14 16:07	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		08/27/14 16:07	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		08/27/14 16:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 122		08/27/14 16:07	1
Dibromofluoromethane	108		75 - 120		08/27/14 16:07	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134		08/27/14 16:07	1
Toluene-d8 (Surr)	97		75 - 122		08/27/14 16:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: CB-1(7-15)-082514

Lab Sample ID: 500-82944-3

Date Collected: 08/25/14 09:00

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
2-Methylphenol	<190		190	61	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Anthracene	<38		38	6.4	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Carbazole	<190		190	99	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Chrysene	<38		38	10	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Dibenzofuran	<190		190	45	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Fluorene	<38		38	5.4	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Hexachloroethane	<190		190	58	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: CB-1(7-15)-082514

Lab Sample ID: 500-82944-3

Date Collected: 08/25/14 09:00

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	9.9	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Isophorone	<190		190	43	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Naphthalene	<38		38	5.9	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Phenol	<190		190	85	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Pyrene	<38		38	7.6	ug/Kg	☼	09/02/14 07:19	09/03/14 14:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	65		35 - 137				09/02/14 07:19	09/03/14 14:07	1
2-Fluorobiphenyl	42		25 - 119				09/02/14 07:19	09/03/14 14:07	1
2-Fluorophenol	36		25 - 110				09/02/14 07:19	09/03/14 14:07	1
Nitrobenzene-d5	38		25 - 115				09/02/14 07:19	09/03/14 14:07	1
Phenol-d5	36		31 - 110				09/02/14 07:19	09/03/14 14:07	1
Terphenyl-d14	54		36 - 134				09/02/14 07:19	09/03/14 14:07	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:06	1
Barium	0.56		0.50	0.050	mg/L		09/03/14 08:15	09/04/14 13:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:15	09/04/14 13:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/03/14 08:15	09/04/14 13:06	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:06	1
Cobalt	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:06	1
Copper	0.019 J		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:06	1
Iron	<0.20		0.20	0.20	mg/L		09/03/14 08:15	09/04/14 13:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/03/14 08:15	09/04/14 13:06	1
Manganese	0.82		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:06	1
Nickel	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:06	1
Selenium	0.015 J B		0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:06	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:06	1
Zinc	0.23		0.10	0.020	mg/L		09/03/14 08:15	09/04/14 13:06	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 02:24	1
Barium	0.090 J		0.50	0.050	mg/L		09/02/14 15:40	09/05/14 02:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/05/14 02:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/05/14 02:24	1
Chromium	0.023 J		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:24	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:24	1
Copper	0.019 J B		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:24	1
Iron	19		0.20	0.20	mg/L		09/02/14 15:40	09/05/14 02:24	1
Lead	0.014		0.0075	0.0075	mg/L		09/02/14 15:40	09/05/14 02:24	1
Manganese	0.21		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:24	1
Nickel	0.018 J		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:24	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 02:24	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: CB-1(7-15)-082514

Lab Sample ID: 500-82944-3

Date Collected: 08/25/14 09:00

Matrix: Solid

Date Received: 08/26/14 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:24	1
Zinc	0.049	J	0.10	0.020	mg/L		09/02/14 15:40	09/05/14 02:24	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.46	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Arsenic	6.1		0.57	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Barium	36		0.57	0.061	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Beryllium	0.43		0.23	0.046	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Cadmium	0.26		0.11	0.015	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Calcium	140000	B	110	31	mg/Kg	☼	09/03/14 10:00	09/06/14 00:07	10
Chromium	12	B	0.57	0.066	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Cobalt	4.3		0.29	0.057	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Copper	14	B	0.57	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Iron	12000		11	4.7	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Lead	6.4		0.29	0.085	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Magnesium	80000	B	57	12	mg/Kg	☼	09/03/14 10:00	09/06/14 00:07	10
Manganese	420		0.57	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Nickel	12		0.57	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Potassium	2100		29	1.7	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Selenium	<0.57		0.57	0.20	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Sodium	940	B	57	7.7	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Thallium	0.70		0.57	0.24	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Vanadium	21		0.29	0.042	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1
Zinc	22	B	1.1	0.23	mg/Kg	☼	09/03/14 10:00	09/04/14 21:47	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 11:21	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 09:43	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	23		19	7.6	ug/Kg	☼	09/03/14 14:30	09/04/14 10:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.46		0.200	0.200	SU			08/28/14 23:37	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: CB-2(0-4)-082514

Lab Sample ID: 500-82944-4

Date Collected: 08/25/14 09:15

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 90.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	27		5.6	2.4	ug/Kg	☼		08/27/14 16:30	1
Benzene	<5.6		5.6	0.76	ug/Kg	☼		08/27/14 16:30	1
Bromodichloromethane	<5.6		5.6	0.96	ug/Kg	☼		08/27/14 16:30	1
Bromoform	<5.6		5.6	1.3	ug/Kg	☼		08/27/14 16:30	1
Bromomethane	<5.6		5.6	1.7	ug/Kg	☼		08/27/14 16:30	1
Carbon disulfide	<5.6		5.6	0.83	ug/Kg	☼		08/27/14 16:30	1
Carbon tetrachloride	<5.6		5.6	1.0	ug/Kg	☼		08/27/14 16:30	1
Chlorobenzene	<5.6		5.6	0.56	ug/Kg	☼		08/27/14 16:30	1
Chloroethane	<5.6		5.6	1.5	ug/Kg	☼		08/27/14 16:30	1
Chloroform	<5.6		5.6	0.64	ug/Kg	☼		08/27/14 16:30	1
Chloromethane	<5.6		5.6	1.2	ug/Kg	☼		08/27/14 16:30	1
cis-1,2-Dichloroethene	<5.6		5.6	0.79	ug/Kg	☼		08/27/14 16:30	1
cis-1,3-Dichloropropene	<5.6		5.6	0.73	ug/Kg	☼		08/27/14 16:30	1
Dibromochloromethane	<5.6		5.6	0.97	ug/Kg	☼		08/27/14 16:30	1
1,1-Dichloroethane	<5.6		5.6	0.88	ug/Kg	☼		08/27/14 16:30	1
1,2-Dichloroethane	<5.6		5.6	0.82	ug/Kg	☼		08/27/14 16:30	1
1,1-Dichloroethene	<5.6		5.6	0.90	ug/Kg	☼		08/27/14 16:30	1
1,2-Dichloropropane	<5.6		5.6	0.84	ug/Kg	☼		08/27/14 16:30	1
1,3-Dichloropropene, Total	<5.6		5.6	0.73	ug/Kg	☼		08/27/14 16:30	1
Ethylbenzene	<5.6		5.6	1.1	ug/Kg	☼		08/27/14 16:30	1
2-Hexanone	<5.6		5.6	1.6	ug/Kg	☼		08/27/14 16:30	1
Methylene Chloride	<5.6		5.6	1.5	ug/Kg	☼		08/27/14 16:30	1
Methyl Ethyl Ketone	5.1 J		5.6	2.0	ug/Kg	☼		08/27/14 16:30	1
methyl isobutyl ketone	<5.6		5.6	1.5	ug/Kg	☼		08/27/14 16:30	1
Methyl tert-butyl ether	<5.6		5.6	0.92	ug/Kg	☼		08/27/14 16:30	1
Styrene	<5.6		5.6	0.73	ug/Kg	☼		08/27/14 16:30	1
1,1,1,2-Tetrachloroethane	<5.6		5.6	1.1	ug/Kg	☼		08/27/14 16:30	1
Tetrachloroethene	<5.6		5.6	0.85	ug/Kg	☼		08/27/14 16:30	1
Toluene	<5.6		5.6	0.78	ug/Kg	☼		08/27/14 16:30	1
trans-1,2-Dichloroethene	<5.6		5.6	0.76	ug/Kg	☼		08/27/14 16:30	1
trans-1,3-Dichloropropene	<5.6		5.6	1.0	ug/Kg	☼		08/27/14 16:30	1
1,1,1-Trichloroethane	<5.6		5.6	0.83	ug/Kg	☼		08/27/14 16:30	1
1,1,2-Trichloroethane	<5.6		5.6	0.76	ug/Kg	☼		08/27/14 16:30	1
Trichloroethene	<5.6		5.6	0.92	ug/Kg	☼		08/27/14 16:30	1
Vinyl chloride	<5.6		5.6	1.2	ug/Kg	☼		08/27/14 16:30	1
Xylenes, Total	<11		11	0.50	ug/Kg	☼		08/27/14 16:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 122		08/27/14 16:30	1
Dibromofluoromethane	104		75 - 120		08/27/14 16:30	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134		08/27/14 16:30	1
Toluene-d8 (Surr)	97		75 - 122		08/27/14 16:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<910		910	190	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
1,2-Dichlorobenzene	<910		910	220	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
1,3-Dichlorobenzene	<910		910	200	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
1,4-Dichlorobenzene	<910		910	230	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
2,2'-oxybis[1-chloropropane]	<910		910	210	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: CB-2(0-4)-082514

Lab Sample ID: 500-82944-4

Date Collected: 08/25/14 09:15

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 90.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1800		1800	410	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
2,4,6-Trichlorophenol	<1800		1800	620	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
2,4-Dichlorophenol	<1800		1800	430	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
2,4-Dimethylphenol	<1800		1800	680	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
2,4-Dinitrophenol	<3600		3600	3200	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
2,4-Dinitrotoluene	<910		910	290	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
2,6-Dinitrotoluene	<910		910	350	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
2-Chloronaphthalene	<910		910	200	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
2-Chlorophenol	<910		910	310	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
2-Methylnaphthalene	84	J	180	33	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
2-Methylphenol	<910		910	290	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
2-Nitroaniline	<910		910	240	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
2-Nitrophenol	<1800		1800	430	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
3 & 4 Methylphenol	<910		910	300	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
3,3'-Dichlorobenzidine	<910		910	250	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
3-Nitroaniline	<1800		1800	560	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
4,6-Dinitro-2-methylphenol	<1800		1800	1400	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
4-Bromophenyl phenyl ether	<910		910	240	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
4-Chloro-3-methylphenol	<1800		1800	610	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
4-Chloroaniline	<3600		3600	850	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
4-Chlorophenyl phenyl ether	<910		910	210	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
4-Nitroaniline	<1800		1800	750	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
4-Nitrophenol	<3600		3600	1700	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Acenaphthene	180		180	32	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Acenaphthylene	<180		180	24	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Anthracene	370		180	30	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Benzo[a]anthracene	780		180	24	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Benzo[a]pyrene	570		180	35	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Benzo[b]fluoranthene	780		180	39	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Benzo[g,h,i]perylene	470		180	58	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Benzo[k]fluoranthene	440		180	53	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Bis(2-chloroethoxy)methane	<910		910	180	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Bis(2-chloroethyl)ether	<910		910	270	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Bis(2-ethylhexyl) phthalate	<910		910	330	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Butyl benzyl phthalate	<910		910	340	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Carbazole	<910		910	460	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Chrysene	870		180	49	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Dibenz(a,h)anthracene	170	J	180	35	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Dibenzofuran	<910		910	210	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Diethyl phthalate	<910		910	310	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Dimethyl phthalate	<910		910	240	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Di-n-butyl phthalate	<910		910	270	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Di-n-octyl phthalate	<910		910	290	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Fluoranthene	2100		180	33	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Fluorene	180		180	25	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Hexachlorobenzene	<360		360	42	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Hexachlorobutadiene	<910		910	280	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Hexachlorocyclopentadiene	<3600		3600	1000	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Hexachloroethane	<910		910	270	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: CB-2(0-4)-082514

Lab Sample ID: 500-82944-4

Date Collected: 08/25/14 09:15

Matrix: Solid

Date Received: 08/26/14 06:30

Percent Solids: 90.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	400		180	47	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Isophorone	<910		910	200	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Naphthalene	28	J	180	28	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Nitrobenzene	<180		180	45	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
N-Nitrosodi-n-propylamine	<910		910	220	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
N-Nitrosodiphenylamine	<910		910	210	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Pentachlorophenol	<3600		3600	2900	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Phenanthrene	2000		180	25	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Phenol	<910		910	400	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Pyrene	2400		180	36	ug/Kg	☼	09/02/14 07:19	09/03/14 19:01	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	100		35 - 137				09/02/14 07:19	09/03/14 19:01	5
2-Fluorobiphenyl	71		25 - 119				09/02/14 07:19	09/03/14 19:01	5
2-Fluorophenol	49		25 - 110				09/02/14 07:19	09/03/14 19:01	5
Nitrobenzene-d5	49		25 - 115				09/02/14 07:19	09/03/14 19:01	5
Phenol-d5	50		31 - 110				09/02/14 07:19	09/03/14 19:01	5
Terphenyl-d14	93		36 - 134				09/02/14 07:19	09/03/14 19:01	5

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	J	0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:11	1
Barium	0.67		0.50	0.050	mg/L		09/03/14 08:15	09/04/14 13:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/03/14 08:15	09/04/14 13:11	1
Cadmium	0.0025	J	0.0050	0.0020	mg/L		09/03/14 08:15	09/04/14 13:11	1
Chromium	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:11	1
Cobalt	0.026		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:11	1
Copper	0.074		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:11	1
Iron	<0.20		0.20	0.20	mg/L		09/03/14 08:15	09/04/14 13:11	1
Lead	0.068		0.0075	0.0075	mg/L		09/03/14 08:15	09/04/14 13:11	1
Manganese	5.1		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:11	1
Nickel	0.032		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:11	1
Selenium	0.019	J B	0.050	0.010	mg/L		09/03/14 08:15	09/04/14 13:11	1
Silver	<0.025		0.025	0.010	mg/L		09/03/14 08:15	09/04/14 13:11	1
Zinc	0.43		0.10	0.020	mg/L		09/03/14 08:15	09/04/14 13:11	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 02:49	1
Barium	0.056	J	0.50	0.050	mg/L		09/02/14 15:40	09/05/14 02:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/02/14 15:40	09/05/14 02:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/02/14 15:40	09/05/14 02:49	1
Chromium	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:49	1
Cobalt	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:49	1
Copper	0.016	J B	0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:49	1
Iron	7.5		0.20	0.20	mg/L		09/02/14 15:40	09/05/14 02:49	1
Lead	0.068		0.0075	0.0075	mg/L		09/02/14 15:40	09/05/14 02:49	1
Manganese	0.12		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:49	1
Nickel	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:49	1
Selenium	<0.050		0.050	0.010	mg/L		09/02/14 15:40	09/05/14 02:49	1

TestAmerica Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Client Sample ID: CB-2(0-4)-082514

Lab Sample ID: 500-82944-4

Date Collected: 08/25/14 09:15

Matrix: Solid

Date Received: 08/26/14 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		09/02/14 15:40	09/05/14 02:49	1
Zinc	0.053	J	0.10	0.020	mg/L		09/02/14 15:40	09/05/14 02:49	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.43	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Arsenic	3.8		0.54	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Barium	34		0.54	0.058	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Beryllium	0.35		0.22	0.043	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Cadmium	0.36		0.11	0.014	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Calcium	120000	B	110	29	mg/Kg	☼	09/03/14 10:00	09/06/14 00:11	10
Chromium	9.8	B	0.54	0.063	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Cobalt	4.2		0.27	0.054	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Copper	12	B	0.54	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Iron	9700		11	4.4	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Lead	84		0.27	0.080	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Magnesium	66000	B	54	11	mg/Kg	☼	09/03/14 10:00	09/06/14 00:11	10
Manganese	400		0.54	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Nickel	9.0		0.54	0.11	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Potassium	1600		27	1.6	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Selenium	<0.54		0.54	0.19	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Silver	<0.27		0.27	0.020	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Sodium	820	B	54	7.2	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Thallium	0.42	J	0.54	0.23	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Vanadium	14		0.27	0.040	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1
Zinc	43	B	1.1	0.22	mg/Kg	☼	09/03/14 10:00	09/04/14 21:54	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/03/14 11:25	09/04/14 11:23	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		09/04/14 12:30	09/05/14 09:45	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	27		19	7.3	ug/Kg	☼	09/03/14 14:30	09/04/14 10:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.00		0.200	0.200	SU			08/28/14 23:37	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
E	Result exceeded calibration range.
F2	MS/MSD RPD exceeds control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-82944-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



Report To: _____ (optional)
 Contact: S. Babusulkumar
 Company: Weston
 Address: 300 Plaza Circle, Ste 202
 Address: Mundelein, IL 60060
 Phone: 224-864-7250
 Fax: _____
 E-Mail: _____

Bill To: _____ (optional)
 Contact: _____
 Company: _____
 Address: _____
 Address: Same
 Phone: _____
 Fax: _____
 PO#/Reference#: _____

Chain of Custody Record

Lab Job #: 500-82944
 Chain of Custody Number: _____
 Page 1 of 3
 Temperature °C of Cooler: (3.9)(4.2)

Client		Client Project #		Preservative		Parameter		Sampling		# of Containers	Matrix	NOCs	SNOCs	Total metals	TCLP/SPLP metals	PH	Comments
Lab ID	MS/MSD	Sample ID	Date	Time	Matrix	Matrix	Date	Time									
Weston																	
Project Name		Lab Project #		Preservative		Parameter		Sampling		# of Containers	Matrix	NOCs	SNOCs	Total metals	TCLP/SPLP metals	PH	Comments
IDOT-085																	
Project Location/State		Lab Project #		Preservative		Parameter		Sampling		# of Containers	Matrix	NOCs	SNOCs	Total metals	TCLP/SPLP metals	PH	Comments
Channahon/IL																	
Sampler		Lab PM		Preservative		Parameter		Sampling		# of Containers	Matrix	NOCs	SNOCs	Total metals	TCLP/SPLP metals	PH	Comments
T. Walls		D. Wright															
1		CB-1(0-7)-082514	8-25-14	0855	2	S	X	X	X	X	X	X	X	X	X	X	
2		CB-1(0-7)-082514D		0855													
3		CB-1(7-15)-082514		0900													
4		CB-2(0-4)-082514		0915													
5		55-19(0-7)-082514		1015													
6		55-19(7-15)-082514		1020													
7		55-6(0-4)-082514		1035													
8		55-7(0-4)-082514		1050													
9		55-5(0-4)-082514		1100													
10		55-4(0-7)-082514	8-25-14	1115	2	S	X	X	X	X	X	X	X	X	X	X	

- Preservative Key
- HCL, Cool to 4°
 - H2SO4, Cool to 4°
 - HNO3, Cool to 4°
 - NaOH, Cool to 4°
 - NaOH/Zn, Cool to 4°
 - NaHSO4
 - Cool to 4°
 - None
 - Other

Turnaround Time Required (Business Days)

___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days standard Other _____

Sample Disposal

Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>Timothy A. Walls</u>	Company <u>Weston</u>	Date <u>8-25-14</u>	Time <u>1600</u>	Received By <u>P. Neal</u>	Company <u>TA</u>	Date <u>8/25/14</u>	Time <u>1600</u>
Relinquished By <u>P. Neal</u>	Company <u>TA</u>	Date <u>8/25/14</u>	Time <u>1645</u>	Received By <u>Jst</u>	Company <u>TA</u>	Date <u>8/26/14</u>	Time <u>0630</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
 Shipped: _____
 Hand Delivered: _____

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments:

Lab Comments:

November 10, 2015

Patricia Feeley, P.G.
Environmental Design International Inc.
33 West Monroe Street
Suite 1825
Chicago, IL 606035326

RE: Project: 0295.020 FAI 55
Pace Project No.: 40122822

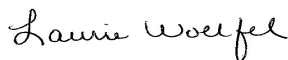
Dear Patricia Feeley, P.G.:

Enclosed are the analytical results for sample(s) received by the laboratory on October 14, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Revised Report REV_1. Added 6010 SPLP Mn to sample 40122822001.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Laurie Woelfel
laurie.woelfel@pacelabs.com
Project Manager

Enclosures

cc: Andrew Dorn, Environmental Design
Colin Pannier, Environmental Design



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Alabama Certification #40770

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

Colorado Certification #Pace

Connecticut Certification #: PH-0256

EPA Region 8 Certification #: 8TMS-L

Florida/NELAP Certification #: E87605

Guam Certification #:14-008r

Georgia Certification #: 959

Georgia EPD #: Pace

Idaho Certification #: MN00064

Hawaii Certification #MN00064

Illinois Certification #: 200011

Indiana Certification#C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky Dept of Envi. Protection - DW #90062

Kentucky Dept of Envi. Protection - WW #:90062

Louisiana DEQ Certification #: 3086

Louisiana DHH #: LA140001

Maine Certification #: 2013011

Maryland Certification #: 322

Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New York Certification #: 11647

North Carolina Certification #: 530

North Carolina State Public Health #: 27700

North Dakota Certification #: R-036

Ohio EPA #: 4150

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Oregon Certification #: MN300001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Saipan (CNMI) #:MP0003

South Carolina #:74003001

Texas Certification #: T104704192

Tennessee Certification #: 02818

Utah Certification #: MN000642013-4

Virginia DGS Certification #: 251

Washington Certification #: C486

West Virginia Certification #: 382

West Virginia DHHR #:9952C

Wisconsin Certification #: 999407970

New Orleans Certification IDs

California Env. Lab Accreditation Program Branch:

11277CA

Florida Department of Health (NELAC): E87595

Illinois Environmental Protection Agency: 0025721

Kansas Department of Health and Environment (NELAC):

E-10266

Louisiana Dept. of Environmental Quality (NELAC/LELAP):

02006

Pennsylvania Dept. of Env Protection (NELAC): 68-04202

Texas Commission on Env. Quality (NELAC):

T104704405-09-TX

U.S. Dept. of Agriculture Foreign Soil Import: P330-10-

00119

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP ID: 460263

Virginia VELAP Certification ID: 460263

Wisconsin Certification #: 405132750

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 200074

Indiana Certification #: C-49-06

Kansas Certification #E-10177

Kentucky UST Certification #: 0042

Kentucky WW Certification #:98019

Louisiana Certification #: 04076

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2014-148

Texas Certification #: T104704355-15-9

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-10-00128

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 15-016-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: VU1-1 (0-3)-101315 Lab ID: 4012282009 Collected: 10/13/15 11:25 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.10	mg/kg	3.0	0.10	1	10/19/15 08:23	10/21/15 16:35	7440-36-0	
Arsenic	5.5	mg/kg	1.0	0.28	1	10/19/15 08:23	10/21/15 16:35	7440-38-2	
Barium	50.1	mg/kg	20.0	0.26	1	10/19/15 08:23	10/21/15 16:35	7440-39-3	
Beryllium	0.25J	mg/kg	0.50	0.079	1	10/19/15 08:23	10/21/15 16:35	7440-41-7	
Cadmium	0.21J	mg/kg	0.50	0.064	1	10/19/15 08:23	10/21/15 16:35	7440-43-9	
Calcium	71300	mg/kg	999	26.7	10	10/19/15 08:23	10/21/15 17:13	7440-70-2	
Chromium	11.7	mg/kg	1.0	0.30	1	10/19/15 08:23	10/21/15 16:35	7440-47-3	
Cobalt	6.8	mg/kg	1.0	0.13	1	10/19/15 08:23	10/21/15 16:35	7440-48-4	
Copper	17.1	mg/kg	1.0	0.37	1	10/19/15 08:23	10/21/15 16:35	7440-50-8	
Iron	13500	mg/kg	5.0	0.77	1	10/19/15 08:23	10/21/15 16:35	7439-89-6	
Lead	32.0	mg/kg	0.50	0.27	1	10/19/15 08:23	10/21/15 16:35	7439-92-1	
Magnesium	40100	mg/kg	99.9	2.9	1	10/19/15 08:23	10/21/15 16:35	7439-95-4	
Manganese	384	mg/kg	1.0	0.19	1	10/19/15 08:23	10/21/15 16:35	7439-96-5	
Nickel	11.3	mg/kg	4.0	1.1	1	10/19/15 08:23	10/21/15 16:35	7440-02-0	
Potassium	790	mg/kg	99.9	3.1	1	10/19/15 08:23	10/21/15 16:35	7440-09-7	
Selenium	0.50J	mg/kg	2.0	0.20	1	10/19/15 08:23	10/21/15 16:35	7782-49-2	
Silver	<0.071	mg/kg	1.0	0.071	1	10/19/15 08:23	10/21/15 16:35	7440-22-4	
Sodium	646	mg/kg	99.9	16.8	1	10/19/15 08:23	10/21/15 16:35	7440-23-5	
Thallium	<0.15	mg/kg	0.50	0.15	1	10/19/15 08:23	10/21/15 16:35	7440-28-0	
Vanadium	21.1	mg/kg	5.0	0.31	1	10/19/15 08:23	10/21/15 16:35	7440-62-2	
Zinc	46.6	mg/kg	2.0	0.46	1	10/19/15 08:23	10/21/15 16:35	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/18/15 11:00

Arsenic	0.0084J	mg/L	0.010	0.0026	1	10/20/15 07:44	10/21/15 11:34	7440-38-2	
Barium	0.096J	mg/L	0.20	0.0037	1	10/20/15 07:44	10/21/15 11:34	7440-39-3	
Beryllium	<0.00025	mg/L	0.0050	0.00025	1	10/20/15 07:44	10/21/15 11:34	7440-41-7	
Cadmium	<0.00027	mg/L	0.0050	0.00027	1	10/20/15 07:44	10/21/15 11:34	7440-43-9	
Chromium	0.014	mg/L	0.010	0.0018	1	10/20/15 07:44	10/21/15 11:34	7440-47-3	
Cobalt	0.0065J	mg/L	0.010	0.00050	1	10/20/15 07:44	10/21/15 11:34	7440-48-4	
Copper	0.029	mg/L	0.010	0.0024	1	10/20/15 07:44	10/21/15 11:34	7440-50-8	
Iron	15.3	mg/L	0.050	0.0073	1	10/20/15 07:44	10/21/15 11:34	7439-89-6	
Lead	0.026	mg/L	0.0050	0.00084	1	10/20/15 07:44	10/21/15 11:34	7439-92-1	
Manganese	0.15	mg/L	0.010	0.00065	1	10/20/15 07:44	10/21/15 11:34	7439-96-5	
Nickel	0.015J	mg/L	0.040	0.00041	1	10/20/15 07:44	10/21/15 11:34	7440-02-0	
Selenium	<0.0024	mg/L	0.020	0.0024	1	10/20/15 07:44	10/21/15 11:34	7782-49-2	
Silver	<0.00032	mg/L	0.010	0.00032	1	10/20/15 07:44	10/21/15 11:34	7440-22-4	
Zinc	0.054	mg/L	0.020	0.00076	1	10/20/15 07:44	10/21/15 11:34	7440-66-6	B

6010 Metals, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/21/15 17:00

Arsenic	<0.0053	mg/L	0.20	0.0053	1	10/22/15 12:12	10/22/15 16:33	7440-38-2	
Barium	0.43J	mg/L	2.0	0.0010	1	10/22/15 12:12	10/22/15 16:33	7440-39-3	B
Beryllium	<0.00050	mg/L	0.20	0.00050	1	10/22/15 12:12	10/22/15 16:33	7440-41-7	
Cadmium	0.00092J	mg/L	0.10	0.00054	1	10/22/15 12:12	10/22/15 16:33	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: VU1-1 (0-3)-101315 Lab ID: 40122822009 Collected: 10/13/15 11:25 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Chromium	<0.0037	mg/L	0.20	0.0037	1	10/22/15 12:12	10/22/15 16:33	7440-47-3	
Cobalt	0.0093J	mg/L	0.20	0.0010	1	10/22/15 12:12	10/22/15 16:33	7440-48-4	
Copper	0.014J	mg/L	0.20	0.0048	1	10/22/15 12:12	10/22/15 16:33	7440-50-8	B
Iron	0.015J	mg/L	1.0	0.015	1	10/22/15 12:12	10/22/15 16:33	7439-89-6	
Lead	<0.0017	mg/L	0.20	0.0017	1	10/22/15 12:12	10/22/15 16:33	7439-92-1	
Manganese	3.1	mg/L	0.13	0.0013	1	10/22/15 12:12	10/22/15 16:33	7439-96-5	
Nickel	0.011J	mg/L	0.20	0.00082	1	10/22/15 12:12	10/22/15 16:33	7440-02-0	
Selenium	<0.0049	mg/L	0.20	0.0049	1	10/22/15 12:12	10/22/15 16:33	7782-49-2	
Silver	<0.00065	mg/L	0.20	0.00065	1	10/22/15 12:12	10/22/15 16:33	7440-22-4	
Zinc	0.17J	mg/L	0.20	0.0015	1	10/22/15 12:12	10/22/15 16:33	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/18/15 11:00									
Mercury	0.00010J	mg/L	0.00020	0.000024	1	10/20/15 07:58	10/21/15 10:41	7439-97-6	B
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Mercury	<0.000024	mg/L	0.00020	0.000024	1	10/22/15 12:12	10/22/15 15:53	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.029	mg/kg	0.019	0.0094	1	10/19/15 09:47	10/20/15 15:26	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<65.0	ug/kg	217	65.0	1	10/16/15 09:58	10/19/15 14:15	83-32-9	
Acenaphthylene	<65.4	ug/kg	218	65.4	1	10/16/15 09:58	10/19/15 14:15	208-96-8	
Anthracene	110	ug/kg	97.7	29.3	1	10/16/15 09:58	10/19/15 14:15	120-12-7	
Benzo(a)anthracene	426	ug/kg	94.7	28.4	1	10/16/15 09:58	10/19/15 14:15	56-55-3	
Benzo(a)pyrene	453	ug/kg	92.0	27.6	1	10/16/15 09:58	10/19/15 14:15	50-32-8	
Benzo(b)fluoranthene	438	ug/kg	105	31.5	1	10/16/15 09:58	10/19/15 14:15	205-99-2	
Benzo(g,h,i)perylene	403	ug/kg	160	48.0	1	10/16/15 09:58	10/19/15 14:15	191-24-2	
Benzo(k)fluoranthene	599	ug/kg	146	43.9	1	10/16/15 09:58	10/19/15 14:15	207-08-9	
4-Bromophenylphenyl ether	<38.4	ug/kg	128	38.4	1	10/16/15 09:58	10/19/15 14:15	101-55-3	
Butylbenzylphthalate	<29.4	ug/kg	98.0	29.4	1	10/16/15 09:58	10/19/15 14:15	85-68-7	
Carbazole	<28.7	ug/kg	95.7	28.7	1	10/16/15 09:58	10/19/15 14:15	86-74-8	
4-Chloro-3-methylphenol	<57.1	ug/kg	190	57.1	1	10/16/15 09:58	10/19/15 14:15	59-50-7	
4-Chloroaniline	<30.1	ug/kg	100	30.1	1	10/16/15 09:58	10/19/15 14:15	106-47-8	
bis(2-Chloroethoxy)methane	<49.4	ug/kg	165	49.4	1	10/16/15 09:58	10/19/15 14:15	111-91-1	
bis(2-Chloroethyl) ether	<57.3	ug/kg	191	57.3	1	10/16/15 09:58	10/19/15 14:15	111-44-4	
2-Chloronaphthalene	<23.5	ug/kg	78.5	23.5	1	10/16/15 09:58	10/19/15 14:15	91-58-7	
2-Chlorophenol	<45.8	ug/kg	153	45.8	1	10/16/15 09:58	10/19/15 14:15	95-57-8	
4-Chlorophenylphenyl ether	<34.2	ug/kg	114	34.2	1	10/16/15 09:58	10/19/15 14:15	7005-72-3	
Chrysene	557	ug/kg	91.4	27.4	1	10/16/15 09:58	10/19/15 14:15	218-01-9	
Dibenz(a,h)anthracene	69.5J	ug/kg	166	49.8	1	10/16/15 09:58	10/19/15 14:15	53-70-3	
Dibenzofuran	25.9J	ug/kg	74.0	22.2	1	10/16/15 09:58	10/19/15 14:15	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: VU1-1 (0-3)-101315 **Lab ID: 40122822009** Collected: 10/13/15 11:25 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<57.7	ug/kg	192	57.7	1	10/16/15 09:58	10/19/15 14:15	95-50-1	
1,3-Dichlorobenzene	<25.4	ug/kg	84.7	25.4	1	10/16/15 09:58	10/19/15 14:15	541-73-1	
1,4-Dichlorobenzene	<25.6	ug/kg	85.2	25.6	1	10/16/15 09:58	10/19/15 14:15	106-46-7	
3,3'-Dichlorobenzidine	<49.8	ug/kg	166	49.8	1	10/16/15 09:58	10/19/15 14:15	91-94-1	
2,4-Dichlorophenol	<49.0	ug/kg	163	49.0	1	10/16/15 09:58	10/19/15 14:15	120-83-2	
Diethylphthalate	<30.4	ug/kg	101	30.4	1	10/16/15 09:58	10/19/15 14:15	84-66-2	
2,4-Dimethylphenol	<36.3	ug/kg	121	36.3	1	10/16/15 09:58	10/19/15 14:15	105-67-9	
Dimethylphthalate	<23.9	ug/kg	79.5	23.9	1	10/16/15 09:58	10/19/15 14:15	131-11-3	
Di-n-butylphthalate	<27.4	ug/kg	91.4	27.4	1	10/16/15 09:58	10/19/15 14:15	84-74-2	
4,6-Dinitro-2-methylphenol	<56.5	ug/kg	188	56.5	1	10/16/15 09:58	10/19/15 14:15	534-52-1	
2,4-Dinitrophenol	<55.9	ug/kg	186	55.9	1	10/16/15 09:58	10/19/15 14:15	51-28-5	
2,4-Dinitrotoluene	<26.2	ug/kg	87.4	26.2	1	10/16/15 09:58	10/19/15 14:15	121-14-2	
2,6-Dinitrotoluene	<34.8	ug/kg	116	34.8	1	10/16/15 09:58	10/19/15 14:15	606-20-2	
Di-n-octylphthalate	<41.2	ug/kg	137	41.2	1	10/16/15 09:58	10/19/15 14:15	117-84-0	
bis(2-Ethylhexyl)phthalate	66.9J	ug/kg	102	30.5	1	10/16/15 09:58	10/19/15 14:15	117-81-7	
Fluoranthene	693	ug/kg	86.5	26.0	1	10/16/15 09:58	10/19/15 14:15	206-44-0	
Fluorene	50.1J	ug/kg	71.5	21.4	1	10/16/15 09:58	10/19/15 14:15	86-73-7	
Hexachloro-1,3-butadiene	<46.7	ug/kg	156	46.7	1	10/16/15 09:58	10/19/15 14:15	87-68-3	
Hexachlorobenzene	<30.8	ug/kg	103	30.8	1	10/16/15 09:58	10/19/15 14:15	118-74-1	
Hexachlorocyclopentadiene	<43.4	ug/kg	145	43.4	1	10/16/15 09:58	10/19/15 14:15	77-47-4	
Hexachloroethane	<29.4	ug/kg	97.8	29.4	1	10/16/15 09:58	10/19/15 14:15	67-72-1	
Indeno(1,2,3-cd)pyrene	425	ug/kg	132	39.7	1	10/16/15 09:58	10/19/15 14:15	193-39-5	
Isophorone	<28.2	ug/kg	94.0	28.2	1	10/16/15 09:58	10/19/15 14:15	78-59-1	
2-Methylnaphthalene	<47.6	ug/kg	159	47.6	1	10/16/15 09:58	10/19/15 14:15	91-57-6	
2-Methylphenol(o-Cresol)	<33.3	ug/kg	111	33.3	1	10/16/15 09:58	10/19/15 14:15	95-48-7	
3&4-Methylphenol(m&p Cresol)	51.2J	ug/kg	112	33.6	1	10/16/15 09:58	10/19/15 14:15		
Naphthalene	<64.1	ug/kg	214	64.1	1	10/16/15 09:58	10/19/15 14:15	91-20-3	
2-Nitroaniline	<52.3	ug/kg	174	52.3	1	10/16/15 09:58	10/19/15 14:15	88-74-4	
3-Nitroaniline	<31.2	ug/kg	104	31.2	1	10/16/15 09:58	10/19/15 14:15	99-09-2	
4-Nitroaniline	<76.1	ug/kg	254	76.1	1	10/16/15 09:58	10/19/15 14:15	100-01-6	
Nitrobenzene	<37.2	ug/kg	124	37.2	1	10/16/15 09:58	10/19/15 14:15	98-95-3	
2-Nitrophenol	<57.9	ug/kg	193	57.9	1	10/16/15 09:58	10/19/15 14:15	88-75-5	
4-Nitrophenol	<46.2	ug/kg	154	46.2	1	10/16/15 09:58	10/19/15 14:15	100-02-7	
N-Nitroso-di-n-propylamine	<29.1	ug/kg	97.0	29.1	1	10/16/15 09:58	10/19/15 14:15	621-64-7	
N-Nitrosodiphenylamine	<249	ug/kg	830	249	1	10/16/15 09:58	10/19/15 14:15	86-30-6	
2,2'-Oxybis(1-chloropropane)	<47.3	ug/kg	158	47.3	1	10/16/15 09:58	10/19/15 14:15	108-60-1	
Pentachlorophenol	<40.4	ug/kg	135	40.4	1	10/16/15 09:58	10/19/15 14:15	87-86-5	
Phenanthrene	495	ug/kg	78.4	23.5	1	10/16/15 09:58	10/19/15 14:15	85-01-8	
Phenol	<43.5	ug/kg	145	43.5	1	10/16/15 09:58	10/19/15 14:15	108-95-2	
Pyrene	1410	ug/kg	136	40.7	1	10/16/15 09:58	10/19/15 14:15	129-00-0	
1,2,4-Trichlorobenzene	<20.7	ug/kg	69.1	20.7	1	10/16/15 09:58	10/19/15 14:15	120-82-1	
2,4,5-Trichlorophenol	<32.4	ug/kg	108	32.4	1	10/16/15 09:58	10/19/15 14:15	95-95-4	
2,4,6-Trichlorophenol	<28.0	ug/kg	93.2	28.0	1	10/16/15 09:58	10/19/15 14:15	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	69	%	45-130		1	10/16/15 09:58	10/19/15 14:15	4165-60-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: VU1-1 (0-3)-101315 **Lab ID: 40122822009** Collected: 10/13/15 11:25 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	74	%	51-130		1	10/16/15 09:58	10/19/15 14:15	321-60-8	
Terphenyl-d14 (S)	162	%	37-134		1	10/16/15 09:58	10/19/15 14:15	1718-51-0	S0
Phenol-d6 (S)	74	%	36-130		1	10/16/15 09:58	10/19/15 14:15	13127-88-3	
2-Fluorophenol (S)	64	%	37-130		1	10/16/15 09:58	10/19/15 14:15	367-12-4	
2,4,6-Tribromophenol (S)	94	%	30-130		1	10/16/15 09:58	10/19/15 14:15	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.5	ug/kg	14.5	4.5	1	10/15/15 12:00	10/15/15 21:08	67-64-1	2q
Benzene	<1.2	ug/kg	3.6	1.2	1	10/15/15 12:00	10/15/15 21:08	71-43-2	
Bromodichloromethane	<0.79	ug/kg	3.6	0.79	1	10/15/15 12:00	10/15/15 21:08	75-27-4	
Bromoform	<0.61	ug/kg	3.6	0.61	1	10/15/15 12:00	10/15/15 21:08	75-25-2	
Bromomethane	<1.1	ug/kg	7.2	1.1	1	10/15/15 12:00	10/15/15 21:08	74-83-9	
2-Butanone (MEK)	<2.1	ug/kg	14.5	2.1	1	10/15/15 12:00	10/15/15 21:08	78-93-3	
Carbon disulfide	<0.93	ug/kg	3.6	0.93	1	10/15/15 12:00	10/15/15 21:08	75-15-0	
Carbon tetrachloride	<1.1	ug/kg	3.6	1.1	1	10/15/15 12:00	10/15/15 21:08	56-23-5	
Chlorobenzene	<1.1	ug/kg	3.6	1.1	1	10/15/15 12:00	10/15/15 21:08	108-90-7	
Chloroethane	<1.5	ug/kg	3.6	1.5	1	10/15/15 12:00	10/15/15 21:08	75-00-3	
Chloroform	<0.69	ug/kg	3.6	0.69	1	10/15/15 12:00	10/15/15 21:08	67-66-3	
Chloromethane	<0.41	ug/kg	3.6	0.41	1	10/15/15 12:00	10/15/15 21:08	74-87-3	
Dibromochloromethane	<1.2	ug/kg	3.6	1.2	1	10/15/15 12:00	10/15/15 21:08	124-48-1	
1,1-Dichloroethane	<1.7	ug/kg	3.6	1.7	1	10/15/15 12:00	10/15/15 21:08	75-34-3	
1,2-Dichloroethane	<0.71	ug/kg	3.6	0.71	1	10/15/15 12:00	10/15/15 21:08	107-06-2	
1,1-Dichloroethene	<1.6	ug/kg	3.6	1.6	1	10/15/15 12:00	10/15/15 21:08	75-35-4	
cis-1,2-Dichloroethene	<0.96	ug/kg	3.6	0.96	1	10/15/15 12:00	10/15/15 21:08	156-59-2	
trans-1,2-Dichloroethene	<0.90	ug/kg	3.6	0.90	1	10/15/15 12:00	10/15/15 21:08	156-60-5	
1,2-Dichloropropane	<0.91	ug/kg	3.6	0.91	1	10/15/15 12:00	10/15/15 21:08	78-87-5	
cis-1,3-Dichloropropene	<0.48	ug/kg	3.6	0.48	1	10/15/15 12:00	10/15/15 21:08	10061-01-5	
trans-1,3-Dichloropropene	<0.67	ug/kg	3.6	0.67	1	10/15/15 12:00	10/15/15 21:08	10061-02-6	
Ethylbenzene	<1.0	ug/kg	3.6	1.0	1	10/15/15 12:00	10/15/15 21:08	100-41-4	
2-Hexanone	<1.1	ug/kg	3.6	1.1	1	10/15/15 12:00	10/15/15 21:08	591-78-6	
Methylene Chloride	<1.3	ug/kg	3.6	1.3	1	10/15/15 12:00	10/15/15 21:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.89	ug/kg	3.6	0.89	1	10/15/15 12:00	10/15/15 21:08	108-10-1	
Methyl-tert-butyl ether	<0.73	ug/kg	3.6	0.73	1	10/15/15 12:00	10/15/15 21:08	1634-04-4	
Styrene	<0.55	ug/kg	3.6	0.55	1	10/15/15 12:00	10/15/15 21:08	100-42-5	
1,1,2,2-Tetrachloroethane	<1.5	ug/kg	3.6	1.5	1	10/15/15 12:00	10/15/15 21:08	79-34-5	
Tetrachloroethene	<1.1	ug/kg	3.6	1.1	1	10/15/15 12:00	10/15/15 21:08	127-18-4	
Toluene	<1.1	ug/kg	3.6	1.1	1	10/15/15 12:00	10/15/15 21:08	108-88-3	
1,1,1-Trichloroethane	<1.1	ug/kg	3.6	1.1	1	10/15/15 12:00	10/15/15 21:08	71-55-6	
1,1,2-Trichloroethane	<1.4	ug/kg	3.6	1.4	1	10/15/15 12:00	10/15/15 21:08	79-00-5	
Trichloroethene	<1.4	ug/kg	3.6	1.4	1	10/15/15 12:00	10/15/15 21:08	79-01-6	
Vinyl chloride	<0.40	ug/kg	3.6	0.40	1	10/15/15 12:00	10/15/15 21:08	75-01-4	
Xylene (Total)	<3.2	ug/kg	10.9	3.2	1	10/15/15 12:00	10/15/15 21:08	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	105	%	70-130		1	10/15/15 12:00	10/15/15 21:08	1868-53-7	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: VU1-1 (0-3)-101315 **Lab ID: 40122822009** Collected: 10/13/15 11:25 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	101	%	67-138		1	10/15/15 12:00	10/15/15 21:08	2037-26-5	
4-Bromofluorobenzene (S)	93	%	68-130		1	10/15/15 12:00	10/15/15 21:08	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	9.0	%	0.10	0.10	1		10/14/15 18:06		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	7.96	Std. Units	0.100	0.0100	1		10/15/15 19:15		H6

Revised 11/05/15 16:33

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: VU1-2 (0-3)-101315 Lab ID: 40122822010 Collected: 10/13/15 11:40 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.090	mg/kg	2.7	0.090	1	10/19/15 08:23	10/21/15 16:39	7440-36-0	
Arsenic	3.8	mg/kg	0.90	0.25	1	10/19/15 08:23	10/21/15 16:39	7440-38-2	
Barium	39.1	mg/kg	18.1	0.24	1	10/19/15 08:23	10/21/15 16:39	7440-39-3	
Beryllium	0.17J	mg/kg	0.45	0.071	1	10/19/15 08:23	10/21/15 16:39	7440-41-7	
Cadmium	0.15J	mg/kg	0.45	0.058	1	10/19/15 08:23	10/21/15 16:39	7440-43-9	
Calcium	111000	mg/kg	903	24.1	10	10/19/15 08:23	10/21/15 17:17	7440-70-2	
Chromium	13.1	mg/kg	0.90	0.27	1	10/19/15 08:23	10/21/15 16:39	7440-47-3	
Cobalt	4.1	mg/kg	0.90	0.12	1	10/19/15 08:23	10/21/15 16:39	7440-48-4	
Copper	18.4	mg/kg	0.90	0.33	1	10/19/15 08:23	10/21/15 16:39	7440-50-8	
Iron	11600	mg/kg	4.5	0.70	1	10/19/15 08:23	10/21/15 16:39	7439-89-6	
Lead	29.3	mg/kg	0.45	0.25	1	10/19/15 08:23	10/21/15 16:39	7439-92-1	
Magnesium	59700	mg/kg	903	25.8	10	10/19/15 08:23	10/21/15 17:17	7439-95-4	
Manganese	360	mg/kg	0.90	0.17	1	10/19/15 08:23	10/21/15 16:39	7439-96-5	
Nickel	9.1	mg/kg	3.6	0.96	1	10/19/15 08:23	10/21/15 16:39	7440-02-0	
Potassium	671	mg/kg	90.3	2.8	1	10/19/15 08:23	10/21/15 16:39	7440-09-7	
Selenium	0.53J	mg/kg	1.8	0.19	1	10/19/15 08:23	10/21/15 16:39	7782-49-2	
Silver	<0.064	mg/kg	0.90	0.064	1	10/19/15 08:23	10/21/15 16:39	7440-22-4	
Sodium	444	mg/kg	90.3	15.2	1	10/19/15 08:23	10/21/15 16:39	7440-23-5	
Thallium	<0.13	mg/kg	0.45	0.13	1	10/19/15 08:23	10/21/15 16:39	7440-28-0	
Vanadium	13.1	mg/kg	4.5	0.28	1	10/19/15 08:23	10/21/15 16:39	7440-62-2	
Zinc	46.7	mg/kg	1.8	0.42	1	10/19/15 08:23	10/21/15 16:39	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/18/15 11:00

Arsenic	<0.0026	mg/L	0.010	0.0026	1	10/20/15 07:44	10/21/15 11:37	7440-38-2	
Barium	0.040J	mg/L	0.20	0.0037	1	10/20/15 07:44	10/21/15 11:37	7440-39-3	B
Beryllium	<0.00025	mg/L	0.0050	0.00025	1	10/20/15 07:44	10/21/15 11:37	7440-41-7	
Cadmium	<0.00027	mg/L	0.0050	0.00027	1	10/20/15 07:44	10/21/15 11:37	7440-43-9	
Chromium	0.0043J	mg/L	0.010	0.0018	1	10/20/15 07:44	10/21/15 11:37	7440-47-3	
Cobalt	0.00080J	mg/L	0.010	0.00050	1	10/20/15 07:44	10/21/15 11:37	7440-48-4	
Copper	0.0052J	mg/L	0.010	0.0024	1	10/20/15 07:44	10/21/15 11:37	7440-50-8	
Iron	4.3	mg/L	0.050	0.0073	1	10/20/15 07:44	10/21/15 11:37	7439-89-6	
Lead	0.0048J	mg/L	0.0050	0.00084	1	10/20/15 07:44	10/21/15 11:37	7439-92-1	
Manganese	0.047	mg/L	0.010	0.00065	1	10/20/15 07:44	10/21/15 11:37	7439-96-5	
Nickel	0.0036J	mg/L	0.040	0.00041	1	10/20/15 07:44	10/21/15 11:37	7440-02-0	
Selenium	<0.0024	mg/L	0.020	0.0024	1	10/20/15 07:44	10/21/15 11:37	7782-49-2	
Silver	<0.00032	mg/L	0.010	0.00032	1	10/20/15 07:44	10/21/15 11:37	7440-22-4	
Zinc	0.018J	mg/L	0.020	0.00076	1	10/20/15 07:44	10/21/15 11:37	7440-66-6	B

6010 Metals, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/21/15 17:00

Arsenic	<0.0053	mg/L	0.20	0.0053	1	10/22/15 12:12	10/22/15 16:37	7440-38-2	
Barium	0.32J	mg/L	2.0	0.0010	1	10/22/15 12:12	10/22/15 16:37	7440-39-3	B
Beryllium	<0.00050	mg/L	0.20	0.00050	1	10/22/15 12:12	10/22/15 16:37	7440-41-7	
Cadmium	0.00079J	mg/L	0.10	0.00054	1	10/22/15 12:12	10/22/15 16:37	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: VU1-2 (0-3)-101315 **Lab ID: 4012282010** Collected: 10/13/15 11:40 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Chromium	<0.0037	mg/L	0.20	0.0037	1	10/22/15 12:12	10/22/15 16:37	7440-47-3	
Cobalt	<0.0010	mg/L	0.20	0.0010	1	10/22/15 12:12	10/22/15 16:37	7440-48-4	
Copper	0.011J	mg/L	0.20	0.0048	1	10/22/15 12:12	10/22/15 16:37	7440-50-8	B
Iron	<0.015	mg/L	1.0	0.015	1	10/22/15 12:12	10/22/15 16:37	7439-89-6	
Lead	<0.0017	mg/L	0.20	0.0017	1	10/22/15 12:12	10/22/15 16:37	7439-92-1	
Manganese	0.57	mg/L	0.13	0.0013	1	10/22/15 12:12	10/22/15 16:37	7439-96-5	
Nickel	0.0067J	mg/L	0.20	0.00082	1	10/22/15 12:12	10/22/15 16:37	7440-02-0	
Selenium	0.0074J	mg/L	0.20	0.0049	1	10/22/15 12:12	10/22/15 16:37	7782-49-2	
Silver	<0.00065	mg/L	0.20	0.00065	1	10/22/15 12:12	10/22/15 16:37	7440-22-4	
Zinc	0.090J	mg/L	0.20	0.0015	1	10/22/15 12:12	10/22/15 16:37	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/18/15 11:00									
Mercury	<0.000024	mg/L	0.00020	0.000024	1	10/20/15 07:58	10/21/15 10:43	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Mercury	<0.000024	mg/L	0.00020	0.000024	1	10/22/15 12:12	10/22/15 15:55	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.012J	mg/kg	0.017	0.0084	1	10/19/15 09:47	10/20/15 15:28	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<63.0	ug/kg	210	63.0	1	10/16/15 09:58	10/19/15 14:48	83-32-9	
Acenaphthylene	<63.4	ug/kg	211	63.4	1	10/16/15 09:58	10/19/15 14:48	208-96-8	
Anthracene	<28.4	ug/kg	94.7	28.4	1	10/16/15 09:58	10/19/15 14:48	120-12-7	
Benzo(a)anthracene	46.5J	ug/kg	91.8	27.5	1	10/16/15 09:58	10/19/15 14:48	56-55-3	
Benzo(a)pyrene	64.4J	ug/kg	89.2	26.8	1	10/16/15 09:58	10/19/15 14:48	50-32-8	
Benzo(b)fluoranthene	83.2J	ug/kg	102	30.5	1	10/16/15 09:58	10/19/15 14:48	205-99-2	
Benzo(g,h,i)perylene	79.4J	ug/kg	155	46.5	1	10/16/15 09:58	10/19/15 14:48	191-24-2	
Benzo(k)fluoranthene	72.9J	ug/kg	142	42.6	1	10/16/15 09:58	10/19/15 14:48	207-08-9	
4-Bromophenylphenyl ether	<37.2	ug/kg	124	37.2	1	10/16/15 09:58	10/19/15 14:48	101-55-3	
Butylbenzylphthalate	<28.5	ug/kg	95.0	28.5	1	10/16/15 09:58	10/19/15 14:48	85-68-7	
Carbazole	<27.8	ug/kg	92.8	27.8	1	10/16/15 09:58	10/19/15 14:48	86-74-8	
4-Chloro-3-methylphenol	<55.3	ug/kg	184	55.3	1	10/16/15 09:58	10/19/15 14:48	59-50-7	
4-Chloroaniline	<29.2	ug/kg	97.4	29.2	1	10/16/15 09:58	10/19/15 14:48	106-47-8	
bis(2-Chloroethoxy)methane	<47.9	ug/kg	160	47.9	1	10/16/15 09:58	10/19/15 14:48	111-91-1	
bis(2-Chloroethyl) ether	<55.5	ug/kg	185	55.5	1	10/16/15 09:58	10/19/15 14:48	111-44-4	
2-Chloronaphthalene	<22.8	ug/kg	76.1	22.8	1	10/16/15 09:58	10/19/15 14:48	91-58-7	
2-Chlorophenol	<44.4	ug/kg	148	44.4	1	10/16/15 09:58	10/19/15 14:48	95-57-8	
4-Chlorophenylphenyl ether	<33.1	ug/kg	110	33.1	1	10/16/15 09:58	10/19/15 14:48	7005-72-3	
Chrysene	64.5J	ug/kg	88.6	26.6	1	10/16/15 09:58	10/19/15 14:48	218-01-9	
Dibenz(a,h)anthracene	<48.3	ug/kg	161	48.3	1	10/16/15 09:58	10/19/15 14:48	53-70-3	
Dibenzofuran	<21.5	ug/kg	71.7	21.5	1	10/16/15 09:58	10/19/15 14:48	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Lab Project No.: 40122822

Sample: VU1-2 (0-3)-101315 Lab ID: 40122822010 Collected: 10/13/15 11:40 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<55.9	ug/kg	186	55.9	1	10/16/15 09:58	10/19/15 14:48	95-50-1	
1,3-Dichlorobenzene	<24.6	ug/kg	82.1	24.6	1	10/16/15 09:58	10/19/15 14:48	541-73-1	
1,4-Dichlorobenzene	<24.8	ug/kg	82.6	24.8	1	10/16/15 09:58	10/19/15 14:48	106-46-7	
3,3'-Dichlorobenzidine	<48.2	ug/kg	161	48.2	1	10/16/15 09:58	10/19/15 14:48	91-94-1	
2,4-Dichlorophenol	<47.5	ug/kg	158	47.5	1	10/16/15 09:58	10/19/15 14:48	120-83-2	
Diethylphthalate	<29.5	ug/kg	98.3	29.5	1	10/16/15 09:58	10/19/15 14:48	84-66-2	
2,4-Dimethylphenol	<35.2	ug/kg	117	35.2	1	10/16/15 09:58	10/19/15 14:48	105-67-9	
Dimethylphthalate	<23.1	ug/kg	77.1	23.1	1	10/16/15 09:58	10/19/15 14:48	131-11-3	
Di-n-butylphthalate	<26.6	ug/kg	88.6	26.6	1	10/16/15 09:58	10/19/15 14:48	84-74-2	
4,6-Dinitro-2-methylphenol	<54.8	ug/kg	183	54.8	1	10/16/15 09:58	10/19/15 14:48	534-52-1	
2,4-Dinitrophenol	<54.2	ug/kg	181	54.2	1	10/16/15 09:58	10/19/15 14:48	51-28-5	
2,4-Dinitrotoluene	<25.4	ug/kg	84.8	25.4	1	10/16/15 09:58	10/19/15 14:48	121-14-2	
2,6-Dinitrotoluene	<33.8	ug/kg	113	33.8	1	10/16/15 09:58	10/19/15 14:48	606-20-2	
Di-n-octylphthalate	<40.0	ug/kg	133	40.0	1	10/16/15 09:58	10/19/15 14:48	117-84-0	
bis(2-Ethylhexyl)phthalate	<29.6	ug/kg	98.5	29.6	1	10/16/15 09:58	10/19/15 14:48	117-81-7	
Fluoranthene	87.7	ug/kg	83.9	25.2	1	10/16/15 09:58	10/19/15 14:48	206-44-0	
Fluorene	<20.8	ug/kg	69.3	20.8	1	10/16/15 09:58	10/19/15 14:48	86-73-7	
Hexachloro-1,3-butadiene	<45.3	ug/kg	151	45.3	1	10/16/15 09:58	10/19/15 14:48	87-68-3	
Hexachlorobenzene	<29.9	ug/kg	99.7	29.9	1	10/16/15 09:58	10/19/15 14:48	118-74-1	
Hexachlorocyclopentadiene	<42.1	ug/kg	140	42.1	1	10/16/15 09:58	10/19/15 14:48	77-47-4	
Hexachloroethane	<28.5	ug/kg	94.8	28.5	1	10/16/15 09:58	10/19/15 14:48	67-72-1	
Indeno(1,2,3-cd)pyrene	75.7J	ug/kg	128	38.5	1	10/16/15 09:58	10/19/15 14:48	193-39-5	
Isophorone	<27.3	ug/kg	91.1	27.3	1	10/16/15 09:58	10/19/15 14:48	78-59-1	
2-Methylnaphthalene	<46.2	ug/kg	154	46.2	1	10/16/15 09:58	10/19/15 14:48	91-57-6	
2-Methylphenol(o-Cresol)	<32.3	ug/kg	108	32.3	1	10/16/15 09:58	10/19/15 14:48	95-48-7	
3&4-Methylphenol(m&p Cresol)	<32.6	ug/kg	109	32.6	1	10/16/15 09:58	10/19/15 14:48		
Naphthalene	<62.2	ug/kg	207	62.2	1	10/16/15 09:58	10/19/15 14:48	91-20-3	
2-Nitroaniline	<50.7	ug/kg	169	50.7	1	10/16/15 09:58	10/19/15 14:48	88-74-4	
3-Nitroaniline	<30.2	ug/kg	101	30.2	1	10/16/15 09:58	10/19/15 14:48	99-09-2	
4-Nitroaniline	<73.8	ug/kg	246	73.8	1	10/16/15 09:58	10/19/15 14:48	100-01-6	
Nitrobenzene	<36.1	ug/kg	120	36.1	1	10/16/15 09:58	10/19/15 14:48	98-95-3	
2-Nitrophenol	<56.1	ug/kg	187	56.1	1	10/16/15 09:58	10/19/15 14:48	88-75-5	
4-Nitrophenol	<44.8	ug/kg	149	44.8	1	10/16/15 09:58	10/19/15 14:48	100-02-7	
N-Nitroso-di-n-propylamine	<28.2	ug/kg	94.0	28.2	1	10/16/15 09:58	10/19/15 14:48	621-64-7	
N-Nitrosodiphenylamine	<241	ug/kg	804	241	1	10/16/15 09:58	10/19/15 14:48	86-30-6	
2,2'-Oxybis(1-chloropropane)	<45.8	ug/kg	153	45.8	1	10/16/15 09:58	10/19/15 14:48	108-60-1	
Pentachlorophenol	<39.2	ug/kg	131	39.2	1	10/16/15 09:58	10/19/15 14:48	87-86-5	
Phenanthrene	39.2J	ug/kg	76.0	22.8	1	10/16/15 09:58	10/19/15 14:48	85-01-8	
Phenol	<42.2	ug/kg	141	42.2	1	10/16/15 09:58	10/19/15 14:48	108-95-2	
Pyrene	129J	ug/kg	131	39.4	1	10/16/15 09:58	10/19/15 14:48	129-00-0	
1,2,4-Trichlorobenzene	<20.1	ug/kg	67.0	20.1	1	10/16/15 09:58	10/19/15 14:48	120-82-1	
2,4,5-Trichlorophenol	<31.4	ug/kg	105	31.4	1	10/16/15 09:58	10/19/15 14:48	95-95-4	
2,4,6-Trichlorophenol	<27.1	ug/kg	90.4	27.1	1	10/16/15 09:58	10/19/15 14:48	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	45	%	45-130		1	10/16/15 09:58	10/19/15 14:48	4165-60-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: VU1-2 (0-3)-101315 **Lab ID: 40122822010** Collected: 10/13/15 11:40 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	52	%	51-130		1	10/16/15 09:58	10/19/15 14:48	321-60-8	
Terphenyl-d14 (S)	93	%	37-134		1	10/16/15 09:58	10/19/15 14:48	1718-51-0	
Phenol-d6 (S)	50	%	36-130		1	10/16/15 09:58	10/19/15 14:48	13127-88-3	
2-Fluorophenol (S)	43	%	37-130		1	10/16/15 09:58	10/19/15 14:48	367-12-4	
2,4,6-Tribromophenol (S)	56	%	30-130		1	10/16/15 09:58	10/19/15 14:48	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<6.4	ug/kg	20.6	6.4	1	10/15/15 12:00	10/16/15 06:41	67-64-1	2q
Benzene	<1.7	ug/kg	5.2	1.7	1	10/15/15 12:00	10/16/15 06:41	71-43-2	
Bromodichloromethane	<1.1	ug/kg	5.2	1.1	1	10/15/15 12:00	10/16/15 06:41	75-27-4	
Bromoform	<0.87	ug/kg	5.2	0.87	1	10/15/15 12:00	10/16/15 06:41	75-25-2	
Bromomethane	<1.5	ug/kg	10.3	1.5	1	10/15/15 12:00	10/16/15 06:41	74-83-9	
2-Butanone (MEK)	<2.9	ug/kg	20.6	2.9	1	10/15/15 12:00	10/16/15 06:41	78-93-3	
Carbon disulfide	<1.3	ug/kg	5.2	1.3	1	10/15/15 12:00	10/16/15 06:41	75-15-0	
Carbon tetrachloride	<1.6	ug/kg	5.2	1.6	1	10/15/15 12:00	10/16/15 06:41	56-23-5	
Chlorobenzene	<1.6	ug/kg	5.2	1.6	1	10/15/15 12:00	10/16/15 06:41	108-90-7	
Chloroethane	<2.1	ug/kg	5.2	2.1	1	10/15/15 12:00	10/16/15 06:41	75-00-3	
Chloroform	<0.98	ug/kg	5.2	0.98	1	10/15/15 12:00	10/16/15 06:41	67-66-3	
Chloromethane	<0.58	ug/kg	5.2	0.58	1	10/15/15 12:00	10/16/15 06:41	74-87-3	
Dibromochloromethane	<1.8	ug/kg	5.2	1.8	1	10/15/15 12:00	10/16/15 06:41	124-48-1	
1,1-Dichloroethane	<2.4	ug/kg	5.2	2.4	1	10/15/15 12:00	10/16/15 06:41	75-34-3	
1,2-Dichloroethane	<1.0	ug/kg	5.2	1.0	1	10/15/15 12:00	10/16/15 06:41	107-06-2	
1,1-Dichloroethene	<2.3	ug/kg	5.2	2.3	1	10/15/15 12:00	10/16/15 06:41	75-35-4	
cis-1,2-Dichloroethene	<1.4	ug/kg	5.2	1.4	1	10/15/15 12:00	10/16/15 06:41	156-59-2	
trans-1,2-Dichloroethene	<1.3	ug/kg	5.2	1.3	1	10/15/15 12:00	10/16/15 06:41	156-60-5	
1,2-Dichloropropane	<1.3	ug/kg	5.2	1.3	1	10/15/15 12:00	10/16/15 06:41	78-87-5	
cis-1,3-Dichloropropene	<0.69	ug/kg	5.2	0.69	1	10/15/15 12:00	10/16/15 06:41	10061-01-5	
trans-1,3-Dichloropropene	<0.95	ug/kg	5.2	0.95	1	10/15/15 12:00	10/16/15 06:41	10061-02-6	
Ethylbenzene	<1.5	ug/kg	5.2	1.5	1	10/15/15 12:00	10/16/15 06:41	100-41-4	
2-Hexanone	<1.5	ug/kg	5.2	1.5	1	10/15/15 12:00	10/16/15 06:41	591-78-6	
Methylene Chloride	<1.9	ug/kg	5.2	1.9	1	10/15/15 12:00	10/16/15 06:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	<1.3	ug/kg	5.2	1.3	1	10/15/15 12:00	10/16/15 06:41	108-10-1	
Methyl-tert-butyl ether	<1.0	ug/kg	5.2	1.0	1	10/15/15 12:00	10/16/15 06:41	1634-04-4	
Styrene	<0.78	ug/kg	5.2	0.78	1	10/15/15 12:00	10/16/15 06:41	100-42-5	
1,1,2,2-Tetrachloroethane	<2.1	ug/kg	5.2	2.1	1	10/15/15 12:00	10/16/15 06:41	79-34-5	
Tetrachloroethene	<1.6	ug/kg	5.2	1.6	1	10/15/15 12:00	10/16/15 06:41	127-18-4	
Toluene	<1.5	ug/kg	5.2	1.5	1	10/15/15 12:00	10/16/15 06:41	108-88-3	
1,1,1-Trichloroethane	<1.6	ug/kg	5.2	1.6	1	10/15/15 12:00	10/16/15 06:41	71-55-6	
1,1,2-Trichloroethane	<2.0	ug/kg	5.2	2.0	1	10/15/15 12:00	10/16/15 06:41	79-00-5	
Trichloroethene	<2.0	ug/kg	5.2	2.0	1	10/15/15 12:00	10/16/15 06:41	79-01-6	
Vinyl chloride	<0.56	ug/kg	5.2	0.56	1	10/15/15 12:00	10/16/15 06:41	75-01-4	
Xylene (Total)	<4.6	ug/kg	15.5	4.6	1	10/15/15 12:00	10/16/15 06:41	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	100	%	70-130		1	10/15/15 12:00	10/16/15 06:41	1868-53-7	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: VU1-2 (0-3)-101315 **Lab ID: 40122822010** Collected: 10/13/15 11:40 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	103	%	67-138		1	10/15/15 12:00	10/16/15 06:41	2037-26-5	
4-Bromofluorobenzene (S)	95	%	68-130		1	10/15/15 12:00	10/16/15 06:41	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	6.1	%	0.10	0.10	1		10/14/15 18:06		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.46	Std. Units	0.100	0.0100	1		10/15/15 19:15		H6

Revised 11/05/15 16:33

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

(Please Print Clearly)

Company Name: EDI
Branch/Location:
Project Contact: Patricia/Colin
Phone: 312-345-1900
Project Number: 10295.0201
Project Name: PAI 55
Project State:
Sampled By (Print): Gina R...
Sampled By (Sign): [Signature]
PO #:
Regulatory Program:

Data Package Options
 EPA Level III
 EPA Level IV
 MS/MSD (billable)
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
A = Air
B = Biotra
C = Charcoal
O = Oil
S = Soil
SI = Sludge
W = Water
DW = Drinking Water
GW = Ground Water
SW = Surface Water
WW = Waste Water
WP = Wipe



CHAIN OF CUSTODY

Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
PRESERVATION
(CODE)

Y / N	Pick Letter	Analyses Requested
		VOCs
		SVOCs
		Total Metals
		TCLP Metals
		SPLP Metals
		PH

PAGE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	SR-1(0-2)-101315	10/1/15	0850	61
002	SR-2(0-2)-101315		0905	
003	SR-2(0-2)-101315		0910	
004	SR-3(0-2)-101315		0930	
005	SR-4(0-2)-101315		0940	
006	SR-5(0-2)-101315		1000	
007	SR-12(0-4)-101315		1045	
008	SR-13(0-3)-101315		1105	
009	VA-1(0-3)-101315		1125	
010	VA-2(0-3)-101315		1140	
011	PV-1(0-4)-101315		1240	
012	PV-1(0-4)-101315		1245	
013	PV-2(0-4)-101315		1325	

Relinquished By:	Date/Time:	Received By:	Date/Time:
[Signature]	10/1/15 1541	[Signature]	10/1/15 1344
[Signature]	10/1/15 1730	[Signature]	10/1/15
[Signature]	10/1/15 1000	[Signature]	10/1/15 1000

Quote #:
Mail To Contact:
Mail To Company:
Mail To Address:
Invoice To Contact:
Invoice To Company:
Invoice To Address:
Invoice To Phone:
CLIENT COMMENTS
 3-40ML EFF 3-40KGA
LAB COMMENTS (Lab Use Only)
 Profile #
Receipt Temp = 51.04 °C
Sample Receipt pH
 OK / Adjusted
Cooler Custody Seal
 Present / Not Present
 Intact / Not Intact

UPPER MIDWEST REGION
 Phone: 612-607-1700
 WI: 920-469-2436

(Please Print Clearly)

Company Name: EDT
Branch/Location:
Project Contact: Patricia/Colin
Phone:

Project Number: 0295020
Project Name: IDT 035-056
Project State: Illinois
Sampled By (Print): Margaret Donovan-Ski
Sampled By (Sign): Margaret Donovan-Ski

PO #:
Regulatory Program:

Data Package Options (billable)
 EPA Level III
 EPA Level IV
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
A = Air
B = Biota
C = Charcoal
O = Oil
S = Soil
SI = Sludge
W = Water
DW = Drinking Water
GW = Ground Water
SW = Surface Water
WW = Waste Water
WP = Wipe

PAGE LAB # CLIENT FIELD ID

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX
014	SR-11(0-4)-101315	10-13-15	0845	S
015	SR-11(0-4)-101315D	10-13-15	0845	S
016	SR-10(0-4)-101315	10-13-15	0915	S
017	SR-9(0-4)-101315	10-13-15	0920	S
018	SR-8(0-5)-101315	10-13-15	0935	S
019	SR-7(0-5)-101315	10-13-15	0950	S
020	SR-7(5-9)-101315	10-13-15	0955	S
021	SR-6(0-7)-101315	10-13-15	1018	S
022	SR-6(7-14)-101315	10-13-15	1024	S
023	AL2-16(0-5)-101315	10-13-15	1115	S
024	AL2-16(5-9)-101315	10-13-15	1120	S
025	AL1-1(0-5)-101315	10-13-15	1140	S
026	AL1-1(0-5)-101315D	10-13-15	1140	S

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability



CHAIN OF CUSTODY

Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED? (YES/NO)
PRESERVATION CODE*

Y/N	Pick Letter	Analyses Requested
N	EF	VOCS
N	A	SUOCS
N	A	Total Metals
N	A	TCLP Metals
N	A	SPLP Metals
N	A	PH

Quote #:

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS
3-4PMV EF 3-402ag A

LAB COMMENTS
(Lab Use Only)

Profile #

Relinquished By: [Signature] Date/Time: 10-13-15 1540

Relinquished By: [Signature] Date/Time: 10-13-15 1730

Relinquished By: [Signature] Date/Time: 10-13-15 1730

Relinquished By: [Signature] Date/Time: 10-13-15 1540

Received By: [Signature] Date/Time: 10-13-15 1540

Received By: [Signature] Date/Time: 10-13-15 1730

Received By: [Signature] Date/Time: 10-13-15 1730

Received By: [Signature] Date/Time: 10-13-15 1540

PACE Project No. _____

Receipt Temp = 51.0, 4 °C

Sample Receipt pH _____

OK / Adjusted _____

Cooler Custody Seal Present / Not Present _____

Intact / Not Intact _____

(Please Print Clearly)

Company Name: EDI
Branch/Location:
Project Contact: Patricia/Colin
Phone:
Project Number: 0295.020
Project Name: DOT 035 USE ET-SS
Project State: Illinois
Sampled By (Print): Margaret Dehew-Skull
Sampled By (Sign): *[Signature]*
PO #: *[Signature]*

CHAIN OF CUSTODY



UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of 378
401228222
Page 376 of 378

Filtered? (YES/NO)
PRESERVATION (CODE)*
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfite Solution I=Sodium Thiosulfate J=Other

V/I/N	Pick Label	Analyses Requested
N	EF	VOCs
N	A	SUOCs
N	D	Total Metals
N	D	TCMP Metals
N	D	SPUP Metals
N	A	pH

Quote #:

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

3-40ML EEF 3-4022g

PAGE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
027	ALI-4(0-5)-101315	10-13-15	1325	S
028	ALI-4(5-9)-101315	10-13-15	1330	S
029	ALI-5(0-5)-101315	10-13-15	1345	S
030	ALI-5(5-9)-101315	10-13-15	1350	S
031	ALI-6(0-5)-101315	10-13-15	1424	S
032	ALI-6(0-5)-101315	10-13-15	1430	S
033	ALI-6(5-9)-101315	10-13-15	1439	S
034	RC-1(0-7)-101315	10-13-15	1447	S
035	RC-2(0-5)-101315	10-13-15	1505	S
036	RC-2(5-9)-101315	10-13-15	1510	S
037	RC-3(0-7)-101315	10-13-15	1520	S

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Relinquished By: *[Signature]* Date/Time: 10-13-2015 1530
Relinquished By: *[Signature]* Date/Time: 10-13-2015 1030
Relinquished By: *[Signature]* Date/Time: 10-13-2015 1000
Relinquished By: *[Signature]* Date/Time: 10-13-2015 1000

Received By: *[Signature]* Date/Time: 10-13-2015 1340
Received By: *[Signature]* Date/Time: 10-13-2015 1030
Received By: *[Signature]* Date/Time: 10-13-2015 1000
Received By: *[Signature]* Date/Time: 10-13-2015 1000

Relinquished By: *[Signature]* Date/Time: 10-13-2015 1530
Relinquished By: *[Signature]* Date/Time: 10-13-2015 1030
Relinquished By: *[Signature]* Date/Time: 10-13-2015 1000
Relinquished By: *[Signature]* Date/Time: 10-13-2015 1000

Receipt Temp = 51.04 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present Intact / Not Intact

(Please Print Clearly)



CHAIN OF CUSTODY

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

RESERVATION (CODE)*
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Filtered?	Y/N	Pick Letter
	2	EF
	2	A
	2	A
	2	A
	2	A
	2	A
	2	A

Matrix Codes
A = Air B = Bids C = Charcoal D = Oil S = Soil
W = Water DW = Drinking Water GW = Ground Water SW = Surface Water WP = Waste Water
SI = Sludge

Analyses Requested
VOCs
SVOCs
TOTAL Metals
TRCP Metals
SPLP Metals
PH

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX
D38	AL-1(5-9)-101315	10-13-15	1150	S
D39	AL-2(10-5)-101315	10-13-15	1212	S
D40	AL-2(5-9)-101315	10-13-15	1218	S
D41	AL-3(6-5)-101315	10-13-15	1253	S
D42	AL-3(5-9)-101315	10-13-15	1258	S

Quote #:

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS
3-40MVEEF 3-40229

LAB COMMENTS (Lab Use Only)
3-40229

Profile #

Company Name: EDI
Branch/Location:
Project Contact: Patricia Goin
Phone:
Project Number: 029 5 020
Project Name: IDOT 035-USE 01-SS
Project State: Illinois
Sampled By (Print): Margaret Doherty-Skibic
Sampled By (Sign): [Signature]
PO #: [Blank]
Regulatory Program:
Data Package Options (billable)
 EPA Level III
 EPA Level IV
MS/MSD (billable)
 On your sample
 NOT needed on your sample

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:
Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:
Samples on HOLD are subject to special pricing and release of liability

Relinquished By: [Signature] Date/Time: 10-13-2015 1640
Relinquished By: [Signature] Date/Time: 10-13-15 1230
Relinquished By: [Signature] Date/Time: 10-14-15 1000
Relinquished By: [Signature] Date/Time: 10-14-15 1000
Received By: [Signature] Date/Time: 10-14-15 1440
Received By: [Signature] Date/Time: 10-14-15 1440
Received By: [Signature] Date/Time: 10-14-15 1000
Received By: [Signature] Date/Time: 10-14-15 1000

Receipt Temp - 51.04 °C
Sample Receipt pH
OK / Adjusted
Cooler Custody Seal Present / Not Present Intact / Not Intact
PAGE Project No.:
Version 6.0 08/15/06



Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Project #:

WO#: 40122822



40122822

Client Name: EDI

Courier: Fed Ex UPS Client Pace Other: CS LOGISTICS

Tracking #:

Custody Seal on Cooler/Box Present: X yes no Seals intact: X yes no

Custody Seal on Samples Present: yes X no Seals intact: yes no

Packing Material: Bubble Wrap X Bubble Bags None Other

Thermometer Used SPLA Type of Ice: Wet Blue Dry None X Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 5.60.4 / Corr: 5.10.4 Biological Tissue is Frozen: yes

Temp Blank Present: X yes no

Person examining contents:
Date: 10/14/15
Initials: [Signature]

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows of checklist items including Chain of Custody Present, Short Hold Time Analysis, Rush Turn Around Time Requested, Sufficient Volume, Correct Containers Used, Containers Intact, Sample Labels match COC, All containers needing preservation have been checked, Headspace in VOA Vials, Trip Blank Present, and Pace Trip Blank Lot #.

Handwritten notes: 015 lot jars collect time 0552, 025 lot 3 jars no collect time, 034 lot 3 vials no collect date or time, 036 no collect time on 10/13 vials, 037 no collect time on 10/13 jars

Client Notification/ Resolution: Person Contacted: Date/Time: If checked, see attached form for additional comments

Comments/ Resolution: 040 lot 3 vials collect time 1212, 042 lot 3 jars no collect date 10/14/15, 025 lot 3 jars no collect time

Project Manager Review: [Signature] Date: 10/14/15



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAI 55: Interstate Route 55 at US Route 6 Office Phone Number, if available: _____

Physical Site Location (address, including number and street):

23901 Eames Street (ISGS Site No. 693V-21)

City: Channahon State: IL Zip Code: _____

County: Will Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.457386701 Longitude: -88.193436601
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: _____ BOL: _____ BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

Street Address: 201 West Center Court

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: Schaumburg State: IL

Zip Code: 60196-1096 Phone: 847-705-4101

Zip Code: 60196-1096 Phone: 847-705-4101

Contact: Sam Mead

Contact: Sam Mead

Email, if available: Sam.Mead@illinois.gov

Email, if available: Sam.Mead@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAI 55: Interstate Route 55 at US Route 6Latitude: 41.457386701 Longitude: -88.193436601Uncontaminated Site Certification**III. Basis for Certification and Attachments**

For each item listed below, reference the attachments to this form that provide the required information.

- a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a):

LOCATION SG-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 693V-21. SEE FIGURE 3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

- b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

PACE ANALYTICAL REPORT - JOB ID: 40122890
ALSO SEE FIGURE 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, William F. Karlovitz, P.E. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Weston Solutions, Inc.
Street Address: 300 Circle Plaza; Suite 202
City: Mundelein State: IL Zip Code: 60060
Phone: (224) 864-7200

William F. Karlovitz, P.E.

Printed Name:



Licensed Professional Engineer or
Licensed Professional Geologist Signature:

14 Dec. 2015

Date:



P.E. or L.P.G. Seal:

Summary Table of ISGS Site No. 693V-21
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	SG-1 (0-7)-101415	Soil Reference Concentrations^A
Sample Date	10/14/2015	
Location ID	SG-1	
Depth	0 - 7	
Lab Sample ID	40122890048	
Location Code	693V-21	
Parameter		
Laboratory pH	8.29 J	<6.25, >9.0
VOCs (ug/kg)		
Acetone	ND	25000
Methyl ethyl ketone	ND	---
Toluene	ND	12000
SVOCs (ug/kg)		
Benzo(a)pyrene	ND	90 / 1300 / 2100
Total Metals (mg/kg)		
Arsenic, Total	5.1	11.3 / 13.0
Barium, Total	75	1500
Beryllium, Total	0.44 J	22
Cadmium, Total	0.32 J	5.2
Calcium, Total	5250	---
Chromium, Total	15.4	21
Cobalt, Total	8.3	20
Copper, Total	17	2900
Iron, Total	17200	15000 / 15900
Lead, Total	22.7	107
Magnesium, Total	3730	325000
Manganese, Total	530	630 / 636
Mercury, Total	0.035	0.89
Nickel, Total	14.7	100
Potassium, Total	1110 J	---
Selenium, Total	0.37 J	1.3
Sodium, Total	371	---
Thallium, Total	ND	2.6
Vanadium, Total	30.8	550
Zinc, Total	52.6	5100
TCLP Metals (mg/l)		
Arsenic, TCLP	ND	0.05
Barium, TCLP	0.33 J	2
Beryllium, TCLP	ND	0.004
Cadmium, TCLP	ND	0.005
Chromium, TCLP	ND	0.1
Cobalt, TCLP	ND	1
Copper, TCLP	ND	0.65
Iron, TCLP	2.1	5
Lead, TCLP	ND	0.0075
Manganese, TCLP	0.09	0.15
Mercury, TCLP	ND	0.002
Nickel, TCLP	ND	0.1
Selenium, TCLP	ND	0.05
Silver, TCLP	ND	0.05
Zinc, TCLP	0.042 J	5
SPLP Metals (mg/l)		
Arsenic, SPLP	ND	0.05
Barium, SPLP	1.3	2
Beryllium, SPLP	ND	0.004
Cadmium, SPLP	ND	0.005
Chromium, SPLP	0.065	0.1
Cobalt, SPLP	ND	1
Copper, SPLP	0.061	0.65
Iron, SPLP	49.7	5
Lead, SPLP	0.048	0.0075
Manganese, SPLP	0.65	0.15
Mercury, SPLP	0.00011 J	0.002
Nickel, SPLP	0.051	0.1
Selenium, SPLP	ND	0.05
Silver, SPLP	ND	0.05
Zinc, SPLP	0.68	5

Summary Table of ISGS Site No. 693V-21
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Notes:

--- - not applicable or value not available.

^A - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.


B - Constituent detected in the blank and investigative sample.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

J+ - Estimated concentration, biased high.

 Shaded values indicate concentration **exceeds** Reference Concentration.

November 05, 2015

Patricia Feeley, P.G.
Environmental Design International Inc.
33 West Monroe Street
Suite 1825
Chicago, IL 606035326

RE: Project: 0295.020 FAI 55
Pace Project No.: 40122890

Dear Patricia Feeley, P.G.:

Enclosed are the analytical results for sample(s) received by the laboratory on October 15, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Brian Basten for
Laurie Woelfel
laurie.woelfel@pacelabs.com
Project Manager

Enclosures

cc: Andrew Dorn, Environmental Design
Colin Pannier, Environmental Design



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0295.020 FAI 55
Pace Project No.: 40122890

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

New Orleans Certification IDs

California Env. Lab Accreditation Program Branch:
11277CA
Florida Department of Health (NELAC): E87595
Illinois Environmental Protection Agency: 0025721
Kansas Department of Health and Environment (NELAC):
E-10266
Louisiana Dept. of Environmental Quality (NELAC/LELAP):
02006

Pennsylvania Dept. of Env Protection (NELAC): 68-04202
Texas Commission on Env. Quality (NELAC):
T104704405-09-TX
U.S. Dept. of Agriculture Foreign Soil Import: P330-10-
00119

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263

North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP ID: 460263
Virginia VELAP Certification ID: 460263
Wisconsin Certification #: 405132750

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #E-10177
Kentucky UST Certification #: 0042
Kentucky WW Certification #:98019
Louisiana Certification #: 04076

Ohio VAP Certification #: CL-0065
Oklahoma Certification #: 2014-148
Texas Certification #: T104704355-15-9
West Virginia Certification #: 330
Wisconsin Certification #: 999788130
USDA Soil Permit #: P330-10-00128

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
WY STR Certification #: 2456.01
Arkansas Certification #: 15-016-0

Illinois Certification #: 003097
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Kansas Certification IDs

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

Revised 11/05/15 16:35

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: **SG-1 (0-7)-101415** Lab ID: **40122890048** Collected: 10/14/15 14:05 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.11	mg/kg	3.3	0.11	1	10/20/15 08:25	10/22/15 02:38	7440-36-0	
Arsenic	5.1	mg/kg	1.1	0.31	1	10/20/15 08:25	10/22/15 02:38	7440-38-2	
Barium	75.0	mg/kg	22.2	0.29	1	10/20/15 08:25	10/22/15 02:38	7440-39-3	
Beryllium	0.44J	mg/kg	0.55	0.088	1	10/20/15 08:25	10/22/15 02:38	7440-41-7	
Cadmium	0.32J	mg/kg	0.55	0.071	1	10/20/15 08:25	10/22/15 02:38	7440-43-9	
Calcium	5250	mg/kg	111	3.0	1	10/20/15 08:25	10/22/15 02:38	7440-70-2	
Chromium	15.4	mg/kg	1.1	0.34	1	10/20/15 08:25	10/22/15 02:38	7440-47-3	
Cobalt	8.3	mg/kg	1.1	0.15	1	10/20/15 08:25	10/22/15 02:38	7440-48-4	
Copper	17.0	mg/kg	1.1	0.41	1	10/20/15 08:25	10/22/15 02:38	7440-50-8	
Iron	17200	mg/kg	5.5	0.86	1	10/20/15 08:25	10/22/15 02:38	7439-89-6	
Lead	22.7	mg/kg	0.55	0.31	1	10/20/15 08:25	10/22/15 02:38	7439-92-1	
Magnesium	3730	mg/kg	111	3.2	1	10/20/15 08:25	10/22/15 02:38	7439-95-4	
Manganese	530	mg/kg	1.1	0.21	1	10/20/15 08:25	10/22/15 02:38	7439-96-5	
Nickel	14.7	mg/kg	4.4	1.2	1	10/20/15 08:25	10/22/15 02:38	7440-02-0	
Potassium	1110	mg/kg	111	3.5	1	10/20/15 08:25	10/22/15 02:38	7440-09-7	
Selenium	0.37J	mg/kg	2.2	0.23	1	10/20/15 08:25	10/22/15 02:38	7782-49-2	
Silver	<0.079	mg/kg	1.1	0.079	1	10/20/15 08:25	10/22/15 02:38	7440-22-4	
Sodium	371	mg/kg	111	18.6	1	10/20/15 08:25	10/22/15 02:38	7440-23-5	
Thallium	<0.16	mg/kg	0.55	0.16	1	10/20/15 08:25	10/22/15 02:38	7440-28-0	
Vanadium	30.8	mg/kg	5.5	0.34	1	10/20/15 08:25	10/22/15 02:38	7440-62-2	
Zinc	52.6	mg/kg	2.2	0.52	1	10/20/15 08:25	10/22/15 02:38	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/17/15 11:04

Arsenic	<0.025	mg/L	0.050	0.025	1	10/20/15 10:12	10/22/15 17:08	7440-38-2	
Barium	1.3	mg/L	0.50	0.25	1	10/20/15 10:12	10/22/15 17:08	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/20/15 10:12	10/22/15 17:08	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/20/15 10:12	10/22/15 17:08	7440-43-9	
Chromium	0.065	mg/L	0.050	0.025	1	10/20/15 10:12	10/22/15 17:08	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/20/15 10:12	10/22/15 17:08	7440-48-4	
Copper	0.061	mg/L	0.050	0.025	1	10/20/15 10:12	10/22/15 17:08	7440-50-8	
Iron	49.7	mg/L	0.50	0.25	1	10/20/15 10:12	10/22/15 17:08	7439-89-6	
Lead	0.048	mg/L	0.0075	0.0038	1	10/20/15 10:12	10/22/15 17:08	7439-92-1	
Manganese	0.65	mg/L	0.050	0.025	1	10/20/15 10:12	10/22/15 17:08	7439-96-5	
Nickel	0.051	mg/L	0.050	0.025	1	10/20/15 10:12	10/22/15 17:08	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/20/15 10:12	10/22/15 17:08	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/20/15 10:12	10/22/15 17:08	7440-22-4	
Zinc	0.68	mg/L	0.050	0.025	1	10/20/15 10:12	10/22/15 17:08	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/17/15 11:02

Arsenic	<0.025	mg/L	0.050	0.025	1	10/19/15 16:14	10/22/15 18:18	7440-38-2	
Barium	0.33J	mg/L	0.50	0.25	1	10/19/15 16:14	10/22/15 18:18	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:14	10/22/15 18:18	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/19/15 16:14	10/22/15 18:18	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: SG-1 (0-7)-101415 **Lab ID: 40122890048** Collected: 10/14/15 14:05 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/17/15 11:02									
Chromium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:14	10/22/15 18:18	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/19/15 16:14	10/22/15 18:18	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/19/15 16:14	10/22/15 18:18	7440-50-8	
Iron	2.1	mg/L	0.50	0.25	1	10/19/15 16:14	10/22/15 18:18	7439-89-6	
Lead	<0.0030	mg/L	0.0075	0.0030	1	10/19/15 16:14	10/22/15 18:18	7439-92-1	
Manganese	0.090	mg/L	0.050	0.025	1	10/19/15 16:14	10/22/15 18:18	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/19/15 16:14	10/22/15 18:18	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:14	10/22/15 18:18	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/19/15 16:14	10/22/15 18:18	7440-22-4	
Zinc	0.042J	mg/L	0.050	0.025	1	10/19/15 16:14	10/22/15 18:18	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/17/15 11:04									
Mercury	0.11J	ug/L	0.20	0.10	1	10/22/15 10:45	10/22/15 16:27	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/17/15 11:03									
Mercury	<0.10	ug/L	0.20	0.10	1	10/22/15 10:45	10/22/15 17:29	7439-97-6	3q
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.035	mg/kg	0.018	0.0088	1	10/20/15 08:59	10/21/15 14:26	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<71.0	ug/kg	237	71.0	1	10/21/15 10:17	10/21/15 16:35	83-32-9	
Acenaphthylene	<71.4	ug/kg	238	71.4	1	10/21/15 10:17	10/21/15 16:35	208-96-8	
Anthracene	<32.0	ug/kg	107	32.0	1	10/21/15 10:17	10/21/15 16:35	120-12-7	
Benzo(a)anthracene	<31.0	ug/kg	103	31.0	1	10/21/15 10:17	10/21/15 16:35	56-55-3	
Benzo(a)pyrene	<30.1	ug/kg	100	30.1	1	10/21/15 10:17	10/21/15 16:35	50-32-8	
Benzo(b)fluoranthene	<34.4	ug/kg	115	34.4	1	10/21/15 10:17	10/21/15 16:35	205-99-2	
Benzo(g,h,i)perylene	<52.3	ug/kg	174	52.3	1	10/21/15 10:17	10/21/15 16:35	191-24-2	
Benzo(k)fluoranthene	<47.9	ug/kg	160	47.9	1	10/21/15 10:17	10/21/15 16:35	207-08-9	
4-Bromophenylphenyl ether	<41.9	ug/kg	140	41.9	1	10/21/15 10:17	10/21/15 16:35	101-55-3	
Butylbenzylphthalate	<32.1	ug/kg	107	32.1	1	10/21/15 10:17	10/21/15 16:35	85-68-7	
Carbazole	<31.3	ug/kg	104	31.3	1	10/21/15 10:17	10/21/15 16:35	86-74-8	
4-Chloro-3-methylphenol	<62.3	ug/kg	208	62.3	1	10/21/15 10:17	10/21/15 16:35	59-50-7	
4-Chloroaniline	<32.9	ug/kg	110	32.9	1	10/21/15 10:17	10/21/15 16:35	106-47-8	
bis(2-Chloroethoxy)methane	<53.9	ug/kg	180	53.9	1	10/21/15 10:17	10/21/15 16:35	111-91-1	
bis(2-Chloroethyl) ether	<62.5	ug/kg	208	62.5	1	10/21/15 10:17	10/21/15 16:35	111-44-4	
2-Chloronaphthalene	<25.7	ug/kg	85.6	25.7	1	10/21/15 10:17	10/21/15 16:35	91-58-7	
2-Chlorophenol	<49.9	ug/kg	166	49.9	1	10/21/15 10:17	10/21/15 16:35	95-57-8	
4-Chlorophenylphenyl ether	<37.3	ug/kg	124	37.3	1	10/21/15 10:17	10/21/15 16:35	7005-72-3	
Chrysene	<29.9	ug/kg	99.7	29.9	1	10/21/15 10:17	10/21/15 16:35	218-01-9	
Dibenz(a,h)anthracene	<54.3	ug/kg	181	54.3	1	10/21/15 10:17	10/21/15 16:35	53-70-3	
Dibenzofuran	<24.2	ug/kg	80.7	24.2	1	10/21/15 10:17	10/21/15 16:35	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Lab Project No.: 40122890

Sample: **SG-1 (0-7)-101415** Lab ID: **40122890048** Collected: 10/14/15 14:05 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<62.9	ug/kg	210	62.9	1	10/21/15 10:17	10/21/15 16:35	95-50-1	
1,3-Dichlorobenzene	<27.7	ug/kg	92.4	27.7	1	10/21/15 10:17	10/21/15 16:35	541-73-1	
1,4-Dichlorobenzene	<27.9	ug/kg	92.9	27.9	1	10/21/15 10:17	10/21/15 16:35	106-46-7	
3,3'-Dichlorobenzidine	<54.3	ug/kg	181	54.3	1	10/21/15 10:17	10/21/15 16:35	91-94-1	
2,4-Dichlorophenol	<53.5	ug/kg	178	53.5	1	10/21/15 10:17	10/21/15 16:35	120-83-2	
Diethylphthalate	<33.2	ug/kg	111	33.2	1	10/21/15 10:17	10/21/15 16:35	84-66-2	
2,4-Dimethylphenol	<39.6	ug/kg	132	39.6	1	10/21/15 10:17	10/21/15 16:35	105-67-9	
Dimethylphthalate	<26.0	ug/kg	86.8	26.0	1	10/21/15 10:17	10/21/15 16:35	131-11-3	
Di-n-butylphthalate	<29.9	ug/kg	99.7	29.9	1	10/21/15 10:17	10/21/15 16:35	84-74-2	
4,6-Dinitro-2-methylphenol	<61.7	ug/kg	206	61.7	1	10/21/15 10:17	10/21/15 16:35	534-52-1	
2,4-Dinitrophenol	<61.0	ug/kg	203	61.0	1	10/21/15 10:17	10/21/15 16:35	51-28-5	
2,4-Dinitrotoluene	<28.6	ug/kg	95.4	28.6	1	10/21/15 10:17	10/21/15 16:35	121-14-2	
2,6-Dinitrotoluene	<38.0	ug/kg	127	38.0	1	10/21/15 10:17	10/21/15 16:35	606-20-2	
Di-n-octylphthalate	<45.0	ug/kg	150	45.0	1	10/21/15 10:17	10/21/15 16:35	117-84-0	
bis(2-Ethylhexyl)phthalate	<33.3	ug/kg	111	33.3	1	10/21/15 10:17	10/21/15 16:35	117-81-7	
Fluoranthene	<28.3	ug/kg	94.4	28.3	1	10/21/15 10:17	10/21/15 16:35	206-44-0	
Fluorene	<23.4	ug/kg	77.9	23.4	1	10/21/15 10:17	10/21/15 16:35	86-73-7	
Hexachloro-1,3-butadiene	<51.0	ug/kg	170	51.0	1	10/21/15 10:17	10/21/15 16:35	87-68-3	
Hexachlorobenzene	<33.7	ug/kg	112	33.7	1	10/21/15 10:17	10/21/15 16:35	118-74-1	
Hexachlorocyclopentadiene	<47.3	ug/kg	158	47.3	1	10/21/15 10:17	10/21/15 16:35	77-47-4	
Hexachloroethane	<32.0	ug/kg	107	32.0	1	10/21/15 10:17	10/21/15 16:35	67-72-1	
Indeno(1,2,3-cd)pyrene	<43.3	ug/kg	144	43.3	1	10/21/15 10:17	10/21/15 16:35	193-39-5	
Isophorone	<30.8	ug/kg	103	30.8	1	10/21/15 10:17	10/21/15 16:35	78-59-1	
2-Methylnaphthalene	<52.0	ug/kg	173	52.0	1	10/21/15 10:17	10/21/15 16:35	91-57-6	
2-Methylphenol(o-Cresol)	<36.4	ug/kg	121	36.4	1	10/21/15 10:17	10/21/15 16:35	95-48-7	
3&4-Methylphenol(m&p Cresol)	<36.7	ug/kg	122	36.7	1	10/21/15 10:17	10/21/15 16:35		
Naphthalene	<70.0	ug/kg	233	70.0	1	10/21/15 10:17	10/21/15 16:35	91-20-3	
2-Nitroaniline	<57.0	ug/kg	190	57.0	1	10/21/15 10:17	10/21/15 16:35	88-74-4	
3-Nitroaniline	<34.0	ug/kg	113	34.0	1	10/21/15 10:17	10/21/15 16:35	99-09-2	
4-Nitroaniline	<83.0	ug/kg	277	83.0	1	10/21/15 10:17	10/21/15 16:35	100-01-6	
Nitrobenzene	<40.6	ug/kg	135	40.6	1	10/21/15 10:17	10/21/15 16:35	98-95-3	
2-Nitrophenol	<63.1	ug/kg	210	63.1	1	10/21/15 10:17	10/21/15 16:35	88-75-5	
4-Nitrophenol	<50.4	ug/kg	168	50.4	1	10/21/15 10:17	10/21/15 16:35	100-02-7	
N-Nitroso-di-n-propylamine	<31.7	ug/kg	106	31.7	1	10/21/15 10:17	10/21/15 16:35	621-64-7	
N-Nitrosodiphenylamine	<271	ug/kg	905	271	1	10/21/15 10:17	10/21/15 16:35	86-30-6	
2,2'-Oxybis(1-chloropropane)	<51.6	ug/kg	172	51.6	1	10/21/15 10:17	10/21/15 16:35	108-60-1	
Pentachlorophenol	<44.1	ug/kg	147	44.1	1	10/21/15 10:17	10/21/15 16:35	87-86-5	
Phenanthrene	30.8J	ug/kg	85.6	25.7	1	10/21/15 10:17	10/21/15 16:35	85-01-8	
Phenol	<47.5	ug/kg	158	47.5	1	10/21/15 10:17	10/21/15 16:35	108-95-2	
Pyrene	<44.3	ug/kg	148	44.3	1	10/21/15 10:17	10/21/15 16:35	129-00-0	
1,2,4-Trichlorobenzene	<22.6	ug/kg	75.4	22.6	1	10/21/15 10:17	10/21/15 16:35	120-82-1	
2,4,5-Trichlorophenol	<35.3	ug/kg	118	35.3	1	10/21/15 10:17	10/21/15 16:35	95-95-4	
2,4,6-Trichlorophenol	<30.5	ug/kg	102	30.5	1	10/21/15 10:17	10/21/15 16:35	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	74	%	45-130		1	10/21/15 10:17	10/21/15 16:35	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122890

Sample: **SG-1 (0-7)-101415** Lab ID: **40122890048** Collected: 10/14/15 14:05 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	68	%	51-130		1	10/21/15 10:17	10/21/15 16:35	321-60-8	
Terphenyl-d14 (S)	73	%	37-134		1	10/21/15 10:17	10/21/15 16:35	1718-51-0	
Phenol-d6 (S)	65	%	36-130		1	10/21/15 10:17	10/21/15 16:35	13127-88-3	
2-Fluorophenol (S)	64	%	37-130		1	10/21/15 10:17	10/21/15 16:35	367-12-4	
2,4,6-Tribromophenol (S)	64	%	30-130		1	10/21/15 10:17	10/21/15 16:35	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.0	ug/kg	12.7	4.0	1	10/19/15 12:00	10/19/15 22:50	67-64-1	2q
Benzene	<1.0	ug/kg	3.2	1.0	1	10/19/15 12:00	10/19/15 22:50	71-43-2	
Bromodichloromethane	<0.69	ug/kg	3.2	0.69	1	10/19/15 12:00	10/19/15 22:50	75-27-4	
Bromoform	<0.54	ug/kg	3.2	0.54	1	10/19/15 12:00	10/19/15 22:50	75-25-2	
Bromomethane	<0.95	ug/kg	6.3	0.95	1	10/19/15 12:00	10/19/15 22:50	74-83-9	
2-Butanone (MEK)	<1.8	ug/kg	12.7	1.8	1	10/19/15 12:00	10/19/15 22:50	78-93-3	
Carbon disulfide	<0.82	ug/kg	3.2	0.82	1	10/19/15 12:00	10/19/15 22:50	75-15-0	
Carbon tetrachloride	<1.0	ug/kg	3.2	1.0	1	10/19/15 12:00	10/19/15 22:50	56-23-5	
Chlorobenzene	<1.0	ug/kg	3.2	1.0	1	10/19/15 12:00	10/19/15 22:50	108-90-7	
Chloroethane	<1.3	ug/kg	3.2	1.3	1	10/19/15 12:00	10/19/15 22:50	75-00-3	
Chloroform	<0.60	ug/kg	3.2	0.60	1	10/19/15 12:00	10/19/15 22:50	67-66-3	
Chloromethane	<0.36	ug/kg	3.2	0.36	1	10/19/15 12:00	10/19/15 22:50	74-87-3	
Dibromochloromethane	<1.1	ug/kg	3.2	1.1	1	10/19/15 12:00	10/19/15 22:50	124-48-1	
1,1-Dichloroethane	<1.5	ug/kg	3.2	1.5	1	10/19/15 12:00	10/19/15 22:50	75-34-3	
1,2-Dichloroethane	<0.62	ug/kg	3.2	0.62	1	10/19/15 12:00	10/19/15 22:50	107-06-2	
1,1-Dichloroethene	<1.4	ug/kg	3.2	1.4	1	10/19/15 12:00	10/19/15 22:50	75-35-4	
cis-1,2-Dichloroethene	<0.84	ug/kg	3.2	0.84	1	10/19/15 12:00	10/19/15 22:50	156-59-2	
trans-1,2-Dichloroethene	<0.78	ug/kg	3.2	0.78	1	10/19/15 12:00	10/19/15 22:50	156-60-5	
1,2-Dichloropropane	<0.80	ug/kg	3.2	0.80	1	10/19/15 12:00	10/19/15 22:50	78-87-5	
cis-1,3-Dichloropropene	<0.42	ug/kg	3.2	0.42	1	10/19/15 12:00	10/19/15 22:50	10061-01-5	
trans-1,3-Dichloropropene	<0.59	ug/kg	3.2	0.59	1	10/19/15 12:00	10/19/15 22:50	10061-02-6	
Ethylbenzene	<0.91	ug/kg	3.2	0.91	1	10/19/15 12:00	10/19/15 22:50	100-41-4	
2-Hexanone	<0.94	ug/kg	3.2	0.94	1	10/19/15 12:00	10/19/15 22:50	591-78-6	
Methylene Chloride	<1.2	ug/kg	3.2	1.2	1	10/19/15 12:00	10/19/15 22:50	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	<0.78	ug/kg	3.2	0.78	1	10/19/15 12:00	10/19/15 22:50	108-10-1	
Methyl-tert-butyl ether	<0.64	ug/kg	3.2	0.64	1	10/19/15 12:00	10/19/15 22:50	1634-04-4	
Styrene	<0.48	ug/kg	3.2	0.48	1	10/19/15 12:00	10/19/15 22:50	100-42-5	
1,1,2,2-Tetrachloroethane	<1.3	ug/kg	3.2	1.3	1	10/19/15 12:00	10/19/15 22:50	79-34-5	
Tetrachloroethene	<1.0	ug/kg	3.2	1.0	1	10/19/15 12:00	10/19/15 22:50	127-18-4	
Toluene	<0.94	ug/kg	3.2	0.94	1	10/19/15 12:00	10/19/15 22:50	108-88-3	
1,1,1-Trichloroethane	<0.98	ug/kg	3.2	0.98	1	10/19/15 12:00	10/19/15 22:50	71-55-6	
1,1,2-Trichloroethane	<1.2	ug/kg	3.2	1.2	1	10/19/15 12:00	10/19/15 22:50	79-00-5	
Trichloroethene	<1.2	ug/kg	3.2	1.2	1	10/19/15 12:00	10/19/15 22:50	79-01-6	
Vinyl chloride	<0.35	ug/kg	3.2	0.35	1	10/19/15 12:00	10/19/15 22:50	75-01-4	
Xylene (Total)	<2.8	ug/kg	9.5	2.8	1	10/19/15 12:00	10/19/15 22:50	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	107	%	70-130		1	10/19/15 12:00	10/19/15 22:50	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: SG-1 (0-7)-101415 **Lab ID: 40122890048** Collected: 10/14/15 14:05 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	103	%	67-138		1	10/19/15 12:00	10/19/15 22:50	2037-26-5	
4-Bromofluorobenzene (S)	94	%	68-130		1	10/19/15 12:00	10/19/15 22:50	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	16.6	%	0.10	0.10	1		10/15/15 18:38		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.29	Std. Units	0.100	0.0100	1		10/20/15 14:20		H6

Revised 11/05/15 16:33

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: EDI
 Branch/Location:
 Project Contact: Patricia Kolin
 Phone:
 Project Number: 0295-000
 Project Name: 1DOT 025-US6ET-33
 Project State: Illinois
 Sampled By (Print): Margaret Downy-Skovic
 Sampled By (Sign): *M. Downy-Skovic*
 PO #:
 Regulatory Program:



CHAIN OF CUSTODY

Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Regulatory Program:
 Matrix Codes
 W = Water
 DW = Drinking Water
 GW = Ground Water
 SW = Surface Water
 WP = Waste Water
 SI = Sludge
 A = Air
 B = Biotia
 C = Charcoal
 O = Oil
 S = Soil

Matrix Codes
 W = Water
 DW = Drinking Water
 GW = Ground Water
 SW = Surface Water
 WP = Waste Water
 SI = Sludge

Matrix Codes
 W = Water
 DW = Drinking Water
 GW = Ground Water
 SW = Surface Water
 WP = Waste Water
 SI = Sludge

Y/N	Pick Label	Analyses Requested
N	EF	VOCs
N	A	SVOCs
N	A	Total Metals
N	A	TCLP Metals
N	D	SPLP Metals
N	A	PH

Quote #:
 Mail To Contact:
 Mail To Company:
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)
 Profile #

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Relinquished By	Date/Time	Received By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
047	VU-5(5-10)-101415	10-14-15	1320	S	<i>M. Downy-Skovic</i>	10-14-15 1533	<i>Patricia Kolin</i>	10-14-15 1533	<i>M. Downy-Skovic</i>	10-14-15 1533	<i>Patricia Kolin</i>	10-14-15 1533
047	SG-1(10-7)-101415	10-14-15	1405	S	<i>M. Downy-Skovic</i>	10-14-15 1533	<i>Patricia Kolin</i>	10-14-15 1533	<i>M. Downy-Skovic</i>	10-14-15 1533	<i>Patricia Kolin</i>	10-14-15 1533
047	SG-2(10-5)-101415	10-14-15	1427	S	<i>M. Downy-Skovic</i>	10-14-15 1533	<i>Patricia Kolin</i>	10-14-15 1533	<i>M. Downy-Skovic</i>	10-14-15 1533	<i>Patricia Kolin</i>	10-14-15 1533
051	SG-2(5-9)-101415	10-14-15	1432	S	<i>M. Downy-Skovic</i>	10-14-15 1533	<i>Patricia Kolin</i>	10-14-15 1533	<i>M. Downy-Skovic</i>	10-14-15 1533	<i>Patricia Kolin</i>	10-14-15 1533
051	PG-1(10-5)-101415	10-14-15	1500	S	<i>M. Downy-Skovic</i>	10-14-15 1533	<i>Patricia Kolin</i>	10-14-15 1533	<i>M. Downy-Skovic</i>	10-14-15 1533	<i>Patricia Kolin</i>	10-14-15 1533
052	PG-1(5-9)-101415	10-14-15	1505	S	<i>M. Downy-Skovic</i>	10-14-15 1533	<i>Patricia Kolin</i>	10-14-15 1533	<i>M. Downy-Skovic</i>	10-14-15 1533	<i>Patricia Kolin</i>	10-14-15 1533
052	A12-6(15-9)-101415	10-14-15	1510	S	<i>M. Downy-Skovic</i>	10-14-15 1533	<i>Patricia Kolin</i>	10-14-15 1533	<i>M. Downy-Skovic</i>	10-14-15 1533	<i>Patricia Kolin</i>	10-14-15 1533



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAI 55: Interstate Route 55 at US Route 6 Office Phone Number, if available: _____

Physical Site Location (address, including number and street):

23841 Eames Street (ISGS Site No. 693V-22)

City: Channahon State: IL Zip Code: _____

County: Will Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.457932027 Longitude: -88.192395686

(Decimal Degrees)

(-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: _____ BOL: _____ BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

Street Address: 201 West Center Court

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: Schaumburg State: IL

Zip Code: 60196-1096 Phone: 847-705-4101

Zip Code: 60196-1096 Phone: 847-705-4101

Contact: Sam Mead

Contact: Sam Mead

Email, if available: Sam.Mead@illinois.gov

Email, if available: Sam.Mead@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAI 55: Interstate Route 55 at US Route 6Latitude: 41.457932027 Longitude: -88.192395686Uncontaminated Site Certification**III. Basis for Certification and Attachments**

For each item listed below, reference the attachments to this form that provide the required information.

- a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a):

LOCATIONS PG-2 AND PG-4 WERE SAMPLED ADJACENT TO ISGS SITE No. 693V-22. SEE FIGURE 3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

- b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

PACE ANALYTICAL REPORT - JOB ID: 40122963
ALSO SEE FIGURE 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, William F. Karlovitz, P.E. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Weston Solutions, Inc.
Street Address: 300 Circle Plaza, Suite 202
City: Mundelein State: IL Zip Code: 60060
Phone: (224) 864-7200

William F. Karlovitz, P.E.

Printed Name:

William F. Karlovitz
Licensed Professional Engineer or
Licensed Professional Geologist Signature:

14 Dec. 2015

Date:



P.E. or L.P.G. Seal:

Summary Table of ISGS Site No. 693V-22
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	PG-2 (0-7)-101515	PG-4 (0-7)-101515	Soil Reference Concentrations ^A
Sample Date	10/15/2015	10/15/2015	
Location ID	PG-2	PG-4	
Depth	0 - 7	0 - 7	
Lab Sample ID	40122963013	40122963016	
Location Code	693V-22	693V-22	
Parameter			
Laboratory pH	8.31 J	8.68 J	<6.25, >9.0
VOCs (ug/kg)			
Acetone	ND	ND	25000
Methyl ethyl ketone	ND	ND	---
Toluene	ND	ND	12000
SVOCs (ug/kg)			
Benzo(a)pyrene	249	139	90 / 1300 / 2100
Total Metals (mg/kg)			
Arsenic, Total	5.3	3.8	11.3 / 13.0
Barium, Total	65.2	43.3	1500
Beryllium, Total	0.38	0.24 J	22
Cadmium, Total	0.24 J	ND	5.2
Calcium, Total	95900	92700	---
Chromium, Total	18.8	11	21
Cobalt, Total	7.4	4.3	20
Copper, Total	19.6	10.8	2900
Iron, Total	13600	10800	15000 / 15900
Lead, Total	227	36.7	107
Magnesium, Total	48300	47100	325000
Manganese, Total	454	441	630 / 636
Mercury, Total	ND	ND	0.89
Nickel, Total	14.2	9.2	100
Potassium, Total	2070	1600	---
Selenium, Total	ND	ND	1.3
Sodium, Total	494	898	---
Thallium, Total	ND	ND	2.6
Vanadium, Total	22.3	19.4	550
Zinc, Total	96.1	55.5	5100
TCLP Metals (mg/l)			
Arsenic, TCLP	ND	ND	0.05
Barium, TCLP	0.46	0.42 J	2
Beryllium, TCLP	ND	ND	0.004
Cadmium, TCLP	ND	0.0042 J	0.005
Chromium, TCLP	ND	ND	0.1
Cobalt, TCLP	ND	0.014	1
Copper, TCLP	ND	ND	0.65
Iron, TCLP	ND	ND	5
Lead, TCLP	0.0073 J	0.037	0.0075
Manganese, TCLP	0.48 J	4.4	0.15
Mercury, TCLP	ND	ND	0.002
Nickel, TCLP	ND	0.027	0.1
Selenium, TCLP	ND	0.0066 J	0.05
Silver, TCLP	ND	ND	0.05
Zinc, TCLP	ND	0.25	5
SPLP Metals (mg/l)			
Arsenic, SPLP	ND	0.0054 J	0.05
Barium, SPLP	0.02 J	0.16 J	2
Beryllium, SPLP	ND	ND	0.004
Cadmium, SPLP	ND	ND	0.005
Chromium, SPLP	0.0062	0.024	0.1
Cobalt, SPLP	ND	0.0052 J	1
Copper, SPLP	ND	0.02	0.65
Iron, SPLP	2.8	19.3	5
Lead, SPLP	0.028	0.11	0.0075
Manganese, SPLP	0.042	0.32	0.15
Mercury, SPLP	ND	ND	0.002
Nickel, SPLP	ND	0.017	0.1
Selenium, SPLP	ND	ND	0.05
Silver, SPLP	ND	ND	0.05
Zinc, SPLP	ND	0.1	5

Summary Table of ISGS Site No. 693V-22
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Notes:

--- - not applicable or value not available.

^A - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.


B - Constituent detected in the blank and investigative sample.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

J+ - Estimated concentration, biased high.

 Shaded values indicate concentration **exceeds** Reference Concentration.

November 13, 2015

Patricia Feeley, P.G.
Environmental Design International Inc.
33 West Monroe Street
Suite 1825
Chicago, IL 606035326

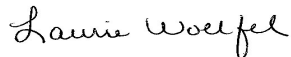
RE: Project: 0295.020 FAI 55
Pace Project No.: 40122963

Dear Patricia Feeley, P.G.:

Enclosed are the analytical results for sample(s) received by the laboratory on October 16, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Laurie Woelfel
laurie.woelfel@pacelabs.com
Project Manager

Enclosures

cc: Andrew Dorn, Environmental Design
Colin Pannier, Environmental Design



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

New Orleans Certification IDs

California Env. Lab Accreditation Program Branch:
11277CA

Florida Department of Health (NELAC): E87595

Illinois Environmental Protection Agency: 0025721

Kansas Department of Health and Environment (NELAC):
E-10266

Louisiana Dept. of Environmental Quality (NELAC/LELAP):
02006

Pennsylvania Dept. of Env Protection (NELAC): 68-04202

Texas Commission on Env. Quality (NELAC):

T104704405-09-TX

U.S. Dept. of Agriculture Foreign Soil Import: P330-10-
00119

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP Certification ID: 460263

Virginia VELAP ID: 460263

Wisconsin Certification #: 405132750

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 200074

Indiana Certification #: C-49-06

Kansas Certification #: E-10177

Kentucky UST Certification #: 0042

Kentucky WW Certification #: 98019

Louisiana Certification #: 04076

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2014-148

Texas Certification #: T104704355-15-9

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-10-00128

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 15-016-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: PG-2 (0-7)-101515 **Lab ID: 40122963013** Collected: 10/15/15 12:30 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.53	mg/kg	1.9	0.53	1	10/21/15 12:31	10/27/15 13:14	7440-36-0	
Arsenic	5.3	mg/kg	1.9	0.59	1	10/21/15 12:31	10/27/15 13:14	7440-38-2	
Barium	65.2	mg/kg	0.47	0.11	1	10/21/15 12:31	10/27/15 13:14	7440-39-3	
Beryllium	0.38	mg/kg	0.37	0.035	1	10/21/15 12:31	10/27/15 13:14	7440-41-7	
Cadmium	0.24J	mg/kg	0.47	0.062	1	10/21/15 12:31	10/27/15 13:14	7440-43-9	
Calcium	95900	mg/kg	467	12.8	5	10/21/15 12:31	10/25/15 12:22	7440-70-2	
Chromium	18.8	mg/kg	0.47	0.18	1	10/21/15 12:31	10/27/15 13:14	7440-47-3	
Cobalt	7.4	mg/kg	0.47	0.091	1	10/21/15 12:31	10/27/15 13:14	7440-48-4	
Copper	19.6	mg/kg	0.93	0.15	1	10/21/15 12:31	10/27/15 13:14	7440-50-8	
Iron	13600	mg/kg	9.3	1.6	1	10/21/15 12:31	10/27/15 13:14	7439-89-6	
Lead	227	mg/kg	0.93	0.40	1	10/21/15 12:31	10/27/15 13:14	7439-92-1	
Magnesium	48300	mg/kg	467	25.3	5	10/21/15 12:31	10/25/15 12:22	7439-95-4	
Manganese	454	mg/kg	0.47	0.047	1	10/21/15 12:31	10/27/15 13:14	7439-96-5	
Nickel	14.2	mg/kg	0.93	0.12	1	10/21/15 12:31	10/27/15 13:14	7440-02-0	
Potassium	2070	mg/kg	93.4	7.7	1	10/21/15 12:31	10/27/15 13:14	7440-09-7	
Selenium	<0.72	mg/kg	1.9	0.72	1	10/21/15 12:31	10/27/15 13:14	7782-49-2	
Silver	<0.26	mg/kg	0.93	0.26	1	10/21/15 12:31	10/27/15 13:14	7440-22-4	
Sodium	494	mg/kg	93.4	3.6	1	10/21/15 12:31	10/27/15 13:14	7440-23-5	
Thallium	<0.77	mg/kg	3.7	0.77	1	10/21/15 12:31	10/27/15 13:14	7440-28-0	
Vanadium	22.3	mg/kg	0.93	0.19	1	10/21/15 12:31	10/27/15 13:14	7440-62-2	
Zinc	96.1	mg/kg	3.7	0.36	1	10/21/15 12:31	10/27/15 13:14	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/25/15 00:00

Arsenic	<0.0045	mg/L	0.010	0.0045	1	10/27/15 09:45	10/28/15 13:23	7440-38-2	
Barium	0.020J	mg/L	0.10	0.00052	1	10/27/15 09:45	10/28/15 13:23	7440-39-3	
Beryllium	<0.00017	mg/L	0.0010	0.00017	1	10/27/15 09:45	10/27/15 18:06	7440-41-7	
Cadmium	<0.00056	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/28/15 13:23	7440-43-9	
Chromium	0.0062	mg/L	0.0050	0.00096	1	10/27/15 09:45	10/28/15 13:23	7440-47-3	
Cobalt	0.0015J	mg/L	0.0050	0.00080	1	10/27/15 09:45	10/27/15 18:06	7440-48-4	B
Copper	0.014	mg/L	0.010	0.00083	1	10/27/15 09:45	10/28/15 13:23	7440-50-8	B
Iron	2.8	mg/L	0.050	0.0090	1	10/27/15 09:45	10/28/15 13:23	7439-89-6	
Lead	0.028	mg/L	0.0050	0.0019	1	10/27/15 09:45	10/27/15 18:06	7439-92-1	
Manganese	0.042	mg/L	0.0050	0.0024	1	10/27/15 09:45	10/27/15 18:06	7439-96-5	
Nickel	0.0070	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 18:06	7440-02-0	B
Selenium	<0.0058	mg/L	0.015	0.0058	1	10/27/15 09:45	10/27/15 18:06	7782-49-2	
Silver	<0.0011	mg/L	0.0070	0.0011	1	10/27/15 09:45	10/28/15 13:23	7440-22-4	
Zinc	0.024J	mg/L	0.050	0.0026	1	10/27/15 09:45	10/27/15 18:06	7440-66-6	B

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/25/15 00:00

Arsenic	0.0081J	mg/L	0.050	0.0045	1	10/27/15 09:45	10/27/15 17:10	7440-38-2	B
Barium	0.46	mg/L	0.25	0.00052	1	10/27/15 09:45	10/27/15 17:10	7440-39-3	
Beryllium	<0.00017	mg/L	0.0050	0.00017	1	10/27/15 09:45	10/27/15 17:10	7440-41-7	
Cadmium	0.0026J	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 17:10	7440-43-9	B

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: PG-2 (0-7)-101515 **Lab ID: 40122963013** Collected: 10/15/15 12:30 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/25/15 00:00									
Chromium	0.0010J	mg/L	0.010	0.00096	1	10/27/15 09:45	10/27/15 17:10	7440-47-3	B
Cobalt	<0.00080	mg/L	0.010	0.00080	1	10/27/15 09:45	10/27/15 17:10	7440-48-4	
Copper	0.014J	mg/L	0.020	0.00083	1	10/27/15 09:45	10/28/15 12:28	7440-50-8	B
Iron	0.013J	mg/L	0.10	0.0090	1	10/27/15 09:45	10/28/15 12:28	7439-89-6	B
Lead	0.0073J	mg/L	0.050	0.0019	1	10/27/15 09:45	10/27/15 17:10	7439-92-1	
Manganese	0.48	mg/L	0.010	0.0024	1	10/27/15 09:45	10/27/15 17:10	7439-96-5	
Nickel	0.0079J	mg/L	0.010	0.00056	1	10/27/15 09:45	10/27/15 17:10	7440-02-0	B
Selenium	0.010J	mg/L	0.050	0.0058	1	10/27/15 09:45	10/27/15 17:10	7782-49-2	B
Silver	<0.0011	mg/L	0.010	0.0011	1	10/27/15 09:45	10/27/15 17:10	7440-22-4	
Zinc	0.10J	mg/L	0.25	0.0026	1	10/27/15 09:45	10/27/15 17:10	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/25/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/27/15 12:00	10/27/15 16:55	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/25/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/27/15 12:00	10/27/15 15:53	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.022	mg/kg	0.010	0.0027	1	10/26/15 10:45	10/26/15 17:47	7439-97-6	B
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<64.7	ug/kg	216	64.7	1	10/21/15 12:17	10/22/15 15:38	83-32-9	
Acenaphthylene	<65.1	ug/kg	217	65.1	1	10/21/15 12:17	10/22/15 15:38	208-96-8	
Anthracene	<29.2	ug/kg	97.2	29.2	1	10/21/15 12:17	10/22/15 15:38	120-12-7	
Benzo(a)anthracene	190	ug/kg	94.2	28.3	1	10/21/15 12:17	10/22/15 15:38	56-55-3	
Benzo(a)pyrene	249	ug/kg	91.5	27.5	1	10/21/15 12:17	10/22/15 15:38	50-32-8	
Benzo(b)fluoranthene	333	ug/kg	105	31.4	1	10/21/15 12:17	10/22/15 15:38	205-99-2	
Benzo(g,h,i)perylene	222	ug/kg	159	47.7	1	10/21/15 12:17	10/22/15 15:38	191-24-2	
Benzo(k)fluoranthene	199	ug/kg	146	43.7	1	10/21/15 12:17	10/22/15 15:38	207-08-9	
4-Bromophenylphenyl ether	<38.2	ug/kg	127	38.2	1	10/21/15 12:17	10/22/15 15:38	101-55-3	
Butylbenzylphthalate	<29.3	ug/kg	97.5	29.3	1	10/21/15 12:17	10/22/15 15:38	85-68-7	
Carbazole	<28.6	ug/kg	95.2	28.6	1	10/21/15 12:17	10/22/15 15:38	86-74-8	
4-Chloro-3-methylphenol	<56.8	ug/kg	189	56.8	1	10/21/15 12:17	10/22/15 15:38	59-50-7	
4-Chloroaniline	<30.0	ug/kg	100	30.0	1	10/21/15 12:17	10/22/15 15:38	106-47-8	
bis(2-Chloroethoxy)methane	<49.1	ug/kg	164	49.1	1	10/21/15 12:17	10/22/15 15:38	111-91-1	
bis(2-Chloroethyl) ether	<57.0	ug/kg	190	57.0	1	10/21/15 12:17	10/22/15 15:38	111-44-4	
2-Chloronaphthalene	<23.4	ug/kg	78.1	23.4	1	10/21/15 12:17	10/22/15 15:38	91-58-7	
2-Chlorophenol	<45.6	ug/kg	152	45.6	1	10/21/15 12:17	10/22/15 15:38	95-57-8	
4-Chlorophenylphenyl ether	<34.0	ug/kg	113	34.0	1	10/21/15 12:17	10/22/15 15:38	7005-72-3	
Chrysene	249	ug/kg	91.0	27.3	1	10/21/15 12:17	10/22/15 15:38	218-01-9	
Dibenz(a,h)anthracene	<49.6	ug/kg	165	49.6	1	10/21/15 12:17	10/22/15 15:38	53-70-3	
Dibenzofuran	<22.1	ug/kg	73.6	22.1	1	10/21/15 12:17	10/22/15 15:38	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: PG-2 (0-7)-101515 Lab ID: 40122963013 Collected: 10/15/15 12:30 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<57.4	ug/kg	191	57.4	1	10/21/15 12:17	10/22/15 15:38	95-50-1	
1,3-Dichlorobenzene	<25.3	ug/kg	84.2	25.3	1	10/21/15 12:17	10/22/15 15:38	541-73-1	
1,4-Dichlorobenzene	<25.4	ug/kg	84.7	25.4	1	10/21/15 12:17	10/22/15 15:38	106-46-7	
3,3'-Dichlorobenzidine	<49.5	ug/kg	165	49.5	1	10/21/15 12:17	10/22/15 15:38	91-94-1	
2,4-Dichlorophenol	<48.8	ug/kg	163	48.8	1	10/21/15 12:17	10/22/15 15:38	120-83-2	
Diethylphthalate	<30.3	ug/kg	101	30.3	1	10/21/15 12:17	10/22/15 15:38	84-66-2	
2,4-Dimethylphenol	<36.1	ug/kg	120	36.1	1	10/21/15 12:17	10/22/15 15:38	105-67-9	
Dimethylphthalate	<23.7	ug/kg	79.1	23.7	1	10/21/15 12:17	10/22/15 15:38	131-11-3	
Di-n-butylphthalate	<27.3	ug/kg	90.9	27.3	1	10/21/15 12:17	10/22/15 15:38	84-74-2	
4,6-Dinitro-2-methylphenol	<56.3	ug/kg	187	56.3	1	10/21/15 12:17	10/22/15 15:38	534-52-1	
2,4-Dinitrophenol	<55.6	ug/kg	185	55.6	1	10/21/15 12:17	10/22/15 15:38	51-28-5	
2,4-Dinitrotoluene	<26.1	ug/kg	87.0	26.1	1	10/21/15 12:17	10/22/15 15:38	121-14-2	
2,6-Dinitrotoluene	<34.6	ug/kg	115	34.6	1	10/21/15 12:17	10/22/15 15:38	606-20-2	
Di-n-octylphthalate	<41.0	ug/kg	137	41.0	1	10/21/15 12:17	10/22/15 15:38	117-84-0	
bis(2-Ethylhexyl)phthalate	44.0J	ug/kg	101	30.3	1	10/21/15 12:17	10/22/15 15:38	117-81-7	
Fluoranthene	397	ug/kg	86.1	25.8	1	10/21/15 12:17	10/22/15 15:38	206-44-0	
Fluorene	<21.3	ug/kg	71.1	21.3	1	10/21/15 12:17	10/22/15 15:38	86-73-7	
Hexachloro-1,3-butadiene	<46.5	ug/kg	155	46.5	1	10/21/15 12:17	10/22/15 15:38	87-68-3	
Hexachlorobenzene	<30.7	ug/kg	102	30.7	1	10/21/15 12:17	10/22/15 15:38	118-74-1	
Hexachlorocyclopentadiene	<43.2	ug/kg	144	43.2	1	10/21/15 12:17	10/22/15 15:38	77-47-4	
Hexachloroethane	<29.2	ug/kg	97.4	29.2	1	10/21/15 12:17	10/22/15 15:38	67-72-1	
Indeno(1,2,3-cd)pyrene	176	ug/kg	132	39.5	1	10/21/15 12:17	10/22/15 15:38	193-39-5	
Isophorone	<28.1	ug/kg	93.5	28.1	1	10/21/15 12:17	10/22/15 15:38	78-59-1	
2-Methylnaphthalene	<47.4	ug/kg	158	47.4	1	10/21/15 12:17	10/22/15 15:38	91-57-6	
2-Methylphenol(o-Cresol)	<33.2	ug/kg	111	33.2	1	10/21/15 12:17	10/22/15 15:38	95-48-7	
3&4-Methylphenol(m&p Cresol)	<33.4	ug/kg	111	33.4	1	10/21/15 12:17	10/22/15 15:38		
Naphthalene	<63.8	ug/kg	213	63.8	1	10/21/15 12:17	10/22/15 15:38	91-20-3	
2-Nitroaniline	<52.0	ug/kg	173	52.0	1	10/21/15 12:17	10/22/15 15:38	88-74-4	
3-Nitroaniline	<31.0	ug/kg	103	31.0	1	10/21/15 12:17	10/22/15 15:38	99-09-2	
4-Nitroaniline	<75.7	ug/kg	252	75.7	1	10/21/15 12:17	10/22/15 15:38	100-01-6	
Nitrobenzene	<37.0	ug/kg	123	37.0	1	10/21/15 12:17	10/22/15 15:38	98-95-3	
2-Nitrophenol	<57.6	ug/kg	192	57.6	1	10/21/15 12:17	10/22/15 15:38	88-75-5	
4-Nitrophenol	<46.0	ug/kg	153	46.0	1	10/21/15 12:17	10/22/15 15:38	100-02-7	
N-Nitroso-di-n-propylamine	<28.9	ug/kg	96.5	28.9	1	10/21/15 12:17	10/22/15 15:38	621-64-7	
N-Nitrosodiphenylamine	<248	ug/kg	825	248	1	10/21/15 12:17	10/22/15 15:38	86-30-6	
2,2'-Oxybis(1-chloropropane)	<47.1	ug/kg	157	47.1	1	10/21/15 12:17	10/22/15 15:38	108-60-1	
Pentachlorophenol	<40.2	ug/kg	134	40.2	1	10/21/15 12:17	10/22/15 15:38	87-86-5	
Phenanthrene	143	ug/kg	78.0	23.4	1	10/21/15 12:17	10/22/15 15:38	85-01-8	
Phenol	<43.3	ug/kg	144	43.3	1	10/21/15 12:17	10/22/15 15:38	108-95-2	
Pyrene	329	ug/kg	135	40.5	1	10/21/15 12:17	10/22/15 15:38	129-00-0	
1,2,4-Trichlorobenzene	<20.6	ug/kg	68.8	20.6	1	10/21/15 12:17	10/22/15 15:38	120-82-1	
2,4,5-Trichlorophenol	<32.2	ug/kg	107	32.2	1	10/21/15 12:17	10/22/15 15:38	95-95-4	
2,4,6-Trichlorophenol	<27.8	ug/kg	92.7	27.8	1	10/21/15 12:17	10/22/15 15:38	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	68	%	45-130		1	10/21/15 12:17	10/22/15 15:38	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: PG-2 (0-7)-101515 **Lab ID: 40122963013** Collected: 10/15/15 12:30 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
<i>Surrogates</i>									
2-Fluorobiphenyl (S)	71	%	51-130		1	10/21/15 12:17	10/22/15 15:38	321-60-8	
Terphenyl-d14 (S)	77	%	37-134		1	10/21/15 12:17	10/22/15 15:38	1718-51-0	
Phenol-d6 (S)	57	%	36-130		1	10/21/15 12:17	10/22/15 15:38	13127-88-3	
2-Fluorophenol (S)	51	%	37-130		1	10/21/15 12:17	10/22/15 15:38	367-12-4	
2,4,6-Tribromophenol (S)	77	%	30-130		1	10/21/15 12:17	10/22/15 15:38	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.5	ug/kg	14.5	4.5	1	10/20/15 12:00	10/20/15 14:22	67-64-1	2q
Benzene	<1.2	ug/kg	3.6	1.2	1	10/20/15 12:00	10/20/15 14:22	71-43-2	
Bromodichloromethane	<0.80	ug/kg	3.6	0.80	1	10/20/15 12:00	10/20/15 14:22	75-27-4	
Bromoform	<0.62	ug/kg	3.6	0.62	1	10/20/15 12:00	10/20/15 14:22	75-25-2	
Bromomethane	<1.1	ug/kg	7.3	1.1	1	10/20/15 12:00	10/20/15 14:22	74-83-9	
2-Butanone (MEK)	<2.1	ug/kg	14.5	2.1	1	10/20/15 12:00	10/20/15 14:22	78-93-3	
Carbon disulfide	<0.94	ug/kg	3.6	0.94	1	10/20/15 12:00	10/20/15 14:22	75-15-0	
Carbon tetrachloride	<1.2	ug/kg	3.6	1.2	1	10/20/15 12:00	10/20/15 14:22	56-23-5	
Chlorobenzene	<1.1	ug/kg	3.6	1.1	1	10/20/15 12:00	10/20/15 14:22	108-90-7	
Chloroethane	<1.5	ug/kg	3.6	1.5	1	10/20/15 12:00	10/20/15 14:22	75-00-3	
Chloroform	<0.69	ug/kg	3.6	0.69	1	10/20/15 12:00	10/20/15 14:22	67-66-3	
Chloromethane	<0.41	ug/kg	3.6	0.41	1	10/20/15 12:00	10/20/15 14:22	74-87-3	
Dibromochloromethane	<1.2	ug/kg	3.6	1.2	1	10/20/15 12:00	10/20/15 14:22	124-48-1	
1,1-Dichloroethane	<1.7	ug/kg	3.6	1.7	1	10/20/15 12:00	10/20/15 14:22	75-34-3	
1,2-Dichloroethane	<0.71	ug/kg	3.6	0.71	1	10/20/15 12:00	10/20/15 14:22	107-06-2	
1,1-Dichloroethene	<1.6	ug/kg	3.6	1.6	1	10/20/15 12:00	10/20/15 14:22	75-35-4	
cis-1,2-Dichloroethene	<0.96	ug/kg	3.6	0.96	1	10/20/15 12:00	10/20/15 14:22	156-59-2	
trans-1,2-Dichloroethene	<0.90	ug/kg	3.6	0.90	1	10/20/15 12:00	10/20/15 14:22	156-60-5	
1,2-Dichloropropane	<0.92	ug/kg	3.6	0.92	1	10/20/15 12:00	10/20/15 14:22	78-87-5	
cis-1,3-Dichloropropene	<0.48	ug/kg	3.6	0.48	1	10/20/15 12:00	10/20/15 14:22	10061-01-5	
trans-1,3-Dichloropropene	<0.67	ug/kg	3.6	0.67	1	10/20/15 12:00	10/20/15 14:22	10061-02-6	
Ethylbenzene	<1.0	ug/kg	3.6	1.0	1	10/20/15 12:00	10/20/15 14:22	100-41-4	
2-Hexanone	<1.1	ug/kg	3.6	1.1	1	10/20/15 12:00	10/20/15 14:22	591-78-6	
Methylene Chloride	<1.3	ug/kg	3.6	1.3	1	10/20/15 12:00	10/20/15 14:22	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	<0.89	ug/kg	3.6	0.89	1	10/20/15 12:00	10/20/15 14:22	108-10-1	
Methyl-tert-butyl ether	<0.73	ug/kg	3.6	0.73	1	10/20/15 12:00	10/20/15 14:22	1634-04-4	
Styrene	<0.55	ug/kg	3.6	0.55	1	10/20/15 12:00	10/20/15 14:22	100-42-5	
1,1,2,2-Tetrachloroethane	<1.5	ug/kg	3.6	1.5	1	10/20/15 12:00	10/20/15 14:22	79-34-5	
Tetrachloroethene	<1.1	ug/kg	3.6	1.1	1	10/20/15 12:00	10/20/15 14:22	127-18-4	
Toluene	<1.1	ug/kg	3.6	1.1	1	10/20/15 12:00	10/20/15 14:22	108-88-3	
1,1,1-Trichloroethane	<1.1	ug/kg	3.6	1.1	1	10/20/15 12:00	10/20/15 14:22	71-55-6	
1,1,2-Trichloroethane	<1.4	ug/kg	3.6	1.4	1	10/20/15 12:00	10/20/15 14:22	79-00-5	
Trichloroethene	<1.4	ug/kg	3.6	1.4	1	10/20/15 12:00	10/20/15 14:22	79-01-6	
Vinyl chloride	<0.40	ug/kg	3.6	0.40	1	10/20/15 12:00	10/20/15 14:22	75-01-4	
Xylene (Total)	<3.3	ug/kg	10.9	3.3	1	10/20/15 12:00	10/20/15 14:22	1330-20-7	
<i>Surrogates</i>									
Dibromofluoromethane (S)	113	%	70-130		1	10/20/15 12:00	10/20/15 14:22	1868-53-7	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: PG-2 (0-7)-101515 **Lab ID: 40122963013** Collected: 10/15/15 12:30 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	111	%	67-138		1	10/20/15 12:00	10/20/15 14:22	2037-26-5	
4-Bromofluorobenzene (S)	87	%	68-130		1	10/20/15 12:00	10/20/15 14:22	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	8.5	%	0.10	0.10	1		10/16/15 17:31		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.31	Std. Units	0.100	0.0100	1		10/22/15 11:05		H6

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: **PG-4 (0-7)-101515** Lab ID: **40122963016** Collected: 10/15/15 13:10 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.56	mg/kg	2.0	0.56	1	10/21/15 12:31	10/27/15 13:21	7440-36-0	
Arsenic	3.8	mg/kg	2.0	0.63	1	10/21/15 12:31	10/27/15 13:21	7440-38-2	
Barium	43.3	mg/kg	0.50	0.12	1	10/21/15 12:31	10/27/15 13:21	7440-39-3	
Beryllium	0.24J	mg/kg	0.40	0.037	1	10/21/15 12:31	10/27/15 13:21	7440-41-7	
Cadmium	<0.066	mg/kg	0.50	0.066	1	10/21/15 12:31	10/27/15 13:21	7440-43-9	
Calcium	92700	mg/kg	496	13.6	5	10/21/15 12:31	10/25/15 12:34	7440-70-2	
Chromium	11.0	mg/kg	0.50	0.19	1	10/21/15 12:31	10/27/15 13:21	7440-47-3	
Cobalt	4.3	mg/kg	0.50	0.096	1	10/21/15 12:31	10/27/15 13:21	7440-48-4	
Copper	10.8	mg/kg	0.99	0.15	1	10/21/15 12:31	10/27/15 13:21	7440-50-8	
Iron	10800	mg/kg	9.9	1.7	1	10/21/15 12:31	10/27/15 13:21	7439-89-6	
Lead	36.7	mg/kg	0.99	0.43	1	10/21/15 12:31	10/27/15 13:21	7439-92-1	
Magnesium	47100	mg/kg	496	26.9	5	10/21/15 12:31	10/25/15 12:34	7439-95-4	
Manganese	441	mg/kg	0.50	0.050	1	10/21/15 12:31	10/27/15 13:21	7439-96-5	
Nickel	9.2	mg/kg	0.99	0.13	1	10/21/15 12:31	10/27/15 13:21	7440-02-0	
Potassium	1600	mg/kg	99.2	8.2	1	10/21/15 12:31	10/27/15 13:21	7440-09-7	
Selenium	<0.76	mg/kg	2.0	0.76	1	10/21/15 12:31	10/27/15 13:21	7782-49-2	
Silver	<0.28	mg/kg	0.99	0.28	1	10/21/15 12:31	10/27/15 13:21	7440-22-4	
Sodium	898	mg/kg	99.2	3.8	1	10/21/15 12:31	10/27/15 13:21	7440-23-5	
Thallium	<0.81	mg/kg	4.0	0.81	1	10/21/15 12:31	10/27/15 13:21	7440-28-0	
Vanadium	19.4	mg/kg	0.99	0.20	1	10/21/15 12:31	10/27/15 13:21	7440-62-2	
Zinc	55.5	mg/kg	4.0	0.38	1	10/21/15 12:31	10/27/15 13:21	7440-66-6	

6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	0.0054J	mg/L	0.010	0.0029	1	10/28/15 06:51	10/29/15 03:43	7440-38-2	
Barium	0.16J	mg/L	0.50	0.0033	1	10/28/15 06:51	10/29/15 03:43	7440-39-3	
Beryllium	0.00086J	mg/L	0.0040	0.00031	1	10/28/15 06:51	10/29/15 03:43	7440-41-7	
Cadmium	0.00045J	mg/L	0.0050	0.00021	1	10/28/15 06:51	10/29/15 03:43	7440-43-9	
Chromium	0.024	mg/L	0.010	0.0025	1	10/28/15 06:51	10/29/15 03:43	7440-47-3	
Cobalt	0.0052J	mg/L	0.010	0.00053	1	10/28/15 06:51	10/29/15 03:43	7440-48-4	
Copper	0.020	mg/L	0.010	0.0040	1	10/28/15 06:51	10/29/15 03:43	7440-50-8	
Iron	19.3	mg/L	0.10	0.016	1	10/28/15 06:51	10/29/15 03:43	7439-89-6	
Lead	0.11	mg/L	0.010	0.0029	1	10/28/15 06:51	10/29/15 03:43	7439-92-1	
Manganese	0.32	mg/L	0.010	0.0010	1	10/28/15 06:51	10/29/15 03:43	7439-96-5	
Nickel	0.017	mg/L	0.010	0.00074	1	10/28/15 06:51	10/29/15 03:43	7440-02-0	
Selenium	0.0044J	mg/L	0.010	0.0033	1	10/28/15 06:51	10/29/15 03:43	7782-49-2	
Silver	<0.0033	mg/L	0.010	0.0033	1	10/28/15 06:51	10/29/15 03:43	7440-22-4	
Zinc	0.10	mg/L	0.020	0.0030	1	10/28/15 06:51	10/29/15 03:43	7440-66-6	

6010 MET ICP, TCLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 10/19/15 19:25									
Arsenic	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/28/15 10:09	7440-38-2	
Barium	0.42J	mg/L	0.50	0.25	1	10/20/15 16:20	10/28/15 10:09	7440-39-3	
Beryllium	<0.0020	mg/L	0.0040	0.0020	1	10/20/15 16:20	10/28/15 10:09	7440-41-7	
Cadmium	0.0042J	mg/L	0.0050	0.0025	1	10/20/15 16:20	10/28/15 10:09	7440-43-9	
Chromium	<0.0052	mg/L	0.010	0.0052	1	10/20/15 16:20	10/28/15 10:09	7440-47-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: PG-4 (0-7)-101515 **Lab ID: 40122963016** Collected: 10/15/15 13:10 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/19/15 19:25									
Cobalt	0.014	mg/L	0.010	0.0050	1	10/20/15 16:20	10/28/15 10:09	7440-48-4	
Copper	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/28/15 10:09	7440-50-8	
Iron	<0.050	mg/L	0.10	0.050	1	10/20/15 16:20	10/28/15 10:09	7439-89-6	
Lead	0.037	mg/L	0.010	0.0050	1	10/20/15 16:20	10/28/15 10:09	7439-92-1	
Manganese	4.4	mg/L	0.010	0.0050	1	10/20/15 16:20	10/28/15 10:09	7439-96-5	
Nickel	0.027	mg/L	0.010	0.0050	1	10/20/15 16:20	10/28/15 10:09	7440-02-0	
Selenium	0.0066J	mg/L	0.010	0.0050	1	10/20/15 16:20	10/28/15 10:09	7782-49-2	
Silver	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/28/15 10:09	7440-22-4	
Zinc	0.25	mg/L	0.020	0.010	1	10/20/15 16:20	10/28/15 10:09	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/21/15 23:37	10/22/15 09:38	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/19/15 19:25									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/21/15 23:35	10/22/15 10:17	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.022	mg/kg	0.0096	0.0026	1	10/26/15 10:45	10/26/15 17:58	7439-97-6	B
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<64.8	ug/kg	216	64.8	1	10/21/15 12:17	10/22/15 16:21	83-32-9	
Acenaphthylene	<65.2	ug/kg	217	65.2	1	10/21/15 12:17	10/22/15 16:21	208-96-8	
Anthracene	<29.2	ug/kg	97.4	29.2	1	10/21/15 12:17	10/22/15 16:21	120-12-7	
Benzo(a)anthracene	116	ug/kg	94.4	28.3	1	10/21/15 12:17	10/22/15 16:21	56-55-3	
Benzo(a)pyrene	139	ug/kg	91.7	27.5	1	10/21/15 12:17	10/22/15 16:21	50-32-8	
Benzo(b)fluoranthene	168	ug/kg	105	31.4	1	10/21/15 12:17	10/22/15 16:21	205-99-2	
Benzo(g,h,i)perylene	119J	ug/kg	159	47.8	1	10/21/15 12:17	10/22/15 16:21	191-24-2	
Benzo(k)fluoranthene	98.3J	ug/kg	146	43.8	1	10/21/15 12:17	10/22/15 16:21	207-08-9	
4-Bromophenylphenyl ether	<38.3	ug/kg	128	38.3	1	10/21/15 12:17	10/22/15 16:21	101-55-3	
Butylbenzylphthalate	<29.3	ug/kg	97.7	29.3	1	10/21/15 12:17	10/22/15 16:21	85-68-7	
Carbazole	<28.6	ug/kg	95.4	28.6	1	10/21/15 12:17	10/22/15 16:21	86-74-8	
4-Chloro-3-methylphenol	<56.9	ug/kg	190	56.9	1	10/21/15 12:17	10/22/15 16:21	59-50-7	
4-Chloroaniline	<30.0	ug/kg	100	30.0	1	10/21/15 12:17	10/22/15 16:21	106-47-8	
bis(2-Chloroethoxy)methane	<49.2	ug/kg	164	49.2	1	10/21/15 12:17	10/22/15 16:21	111-91-1	
bis(2-Chloroethyl) ether	<57.1	ug/kg	190	57.1	1	10/21/15 12:17	10/22/15 16:21	111-44-4	
2-Chloronaphthalene	<23.5	ug/kg	78.2	23.5	1	10/21/15 12:17	10/22/15 16:21	91-58-7	
2-Chlorophenol	<45.6	ug/kg	152	45.6	1	10/21/15 12:17	10/22/15 16:21	95-57-8	
4-Chlorophenylphenyl ether	<34.0	ug/kg	113	34.0	1	10/21/15 12:17	10/22/15 16:21	7005-72-3	
Chrysene	146	ug/kg	91.1	27.3	1	10/21/15 12:17	10/22/15 16:21	218-01-9	
Dibenz(a,h)anthracene	<49.6	ug/kg	165	49.6	1	10/21/15 12:17	10/22/15 16:21	53-70-3	
Dibenzofuran	<22.1	ug/kg	73.8	22.1	1	10/21/15 12:17	10/22/15 16:21	132-64-9	
1,2-Dichlorobenzene	<57.5	ug/kg	192	57.5	1	10/21/15 12:17	10/22/15 16:21	95-50-1	
1,3-Dichlorobenzene	<25.3	ug/kg	84.4	25.3	1	10/21/15 12:17	10/22/15 16:21	541-73-1	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: PG-4 (0-7)-101515 **Lab ID: 40122963016** Collected: 10/15/15 13:10 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,4-Dichlorobenzene	<25.5	ug/kg	84.9	25.5	1	10/21/15 12:17	10/22/15 16:21	106-46-7	
3,3'-Dichlorobenzidine	<49.6	ug/kg	165	49.6	1	10/21/15 12:17	10/22/15 16:21	91-94-1	
2,4-Dichlorophenol	<48.8	ug/kg	163	48.8	1	10/21/15 12:17	10/22/15 16:21	120-83-2	
Diethylphthalate	<30.3	ug/kg	101	30.3	1	10/21/15 12:17	10/22/15 16:21	84-66-2	
2,4-Dimethylphenol	<36.1	ug/kg	120	36.1	1	10/21/15 12:17	10/22/15 16:21	105-67-9	
Dimethylphthalate	<23.8	ug/kg	79.3	23.8	1	10/21/15 12:17	10/22/15 16:21	131-11-3	
Di-n-butylphthalate	<27.3	ug/kg	91.1	27.3	1	10/21/15 12:17	10/22/15 16:21	84-74-2	
4,6-Dinitro-2-methylphenol	<56.3	ug/kg	188	56.3	1	10/21/15 12:17	10/22/15 16:21	534-52-1	
2,4-Dinitrophenol	<55.7	ug/kg	186	55.7	1	10/21/15 12:17	10/22/15 16:21	51-28-5	
2,4-Dinitrotoluene	<26.1	ug/kg	87.1	26.1	1	10/21/15 12:17	10/22/15 16:21	121-14-2	
2,6-Dinitrotoluene	<34.7	ug/kg	116	34.7	1	10/21/15 12:17	10/22/15 16:21	606-20-2	
Di-n-octylphthalate	<41.1	ug/kg	137	41.1	1	10/21/15 12:17	10/22/15 16:21	117-84-0	
bis(2-Ethylhexyl)phthalate	<30.4	ug/kg	101	30.4	1	10/21/15 12:17	10/22/15 16:21	117-81-7	
Fluoranthene	239	ug/kg	86.2	25.9	1	10/21/15 12:17	10/22/15 16:21	206-44-0	
Fluorene	<21.4	ug/kg	71.2	21.4	1	10/21/15 12:17	10/22/15 16:21	86-73-7	
Hexachloro-1,3-butadiene	<46.6	ug/kg	155	46.6	1	10/21/15 12:17	10/22/15 16:21	87-68-3	
Hexachlorobenzene	<30.7	ug/kg	102	30.7	1	10/21/15 12:17	10/22/15 16:21	118-74-1	
Hexachlorocyclopentadiene	<43.3	ug/kg	144	43.3	1	10/21/15 12:17	10/22/15 16:21	77-47-4	
Hexachloroethane	<29.3	ug/kg	97.5	29.3	1	10/21/15 12:17	10/22/15 16:21	67-72-1	
Indeno(1,2,3-cd)pyrene	91.0J	ug/kg	132	39.6	1	10/21/15 12:17	10/22/15 16:21	193-39-5	
Isophorone	<28.1	ug/kg	93.7	28.1	1	10/21/15 12:17	10/22/15 16:21	78-59-1	
2-Methylnaphthalene	<47.5	ug/kg	158	47.5	1	10/21/15 12:17	10/22/15 16:21	91-57-6	
2-Methylphenol(o-Cresol)	<33.2	ug/kg	111	33.2	1	10/21/15 12:17	10/22/15 16:21	95-48-7	
3&4-Methylphenol(m&p Cresol)	<33.5	ug/kg	112	33.5	1	10/21/15 12:17	10/22/15 16:21		
Naphthalene	<63.9	ug/kg	213	63.9	1	10/21/15 12:17	10/22/15 16:21	91-20-3	
2-Nitroaniline	<52.1	ug/kg	174	52.1	1	10/21/15 12:17	10/22/15 16:21	88-74-4	
3-Nitroaniline	<31.1	ug/kg	104	31.1	1	10/21/15 12:17	10/22/15 16:21	99-09-2	
4-Nitroaniline	<75.9	ug/kg	253	75.9	1	10/21/15 12:17	10/22/15 16:21	100-01-6	
Nitrobenzene	<37.1	ug/kg	124	37.1	1	10/21/15 12:17	10/22/15 16:21	98-95-3	
2-Nitrophenol	<57.7	ug/kg	192	57.7	1	10/21/15 12:17	10/22/15 16:21	88-75-5	
4-Nitrophenol	<46.0	ug/kg	153	46.0	1	10/21/15 12:17	10/22/15 16:21	100-02-7	
N-Nitroso-di-n-propylamine	<29.0	ug/kg	96.6	29.0	1	10/21/15 12:17	10/22/15 16:21	621-64-7	
N-Nitrosodiphenylamine	<248	ug/kg	827	248	1	10/21/15 12:17	10/22/15 16:21	86-30-6	
2,2'-Oxybis(1-chloropropane)	<47.1	ug/kg	157	47.1	1	10/21/15 12:17	10/22/15 16:21	108-60-1	
Pentachlorophenol	<40.3	ug/kg	134	40.3	1	10/21/15 12:17	10/22/15 16:21	87-86-5	
Phenanthrene	82.8	ug/kg	78.2	23.5	1	10/21/15 12:17	10/22/15 16:21	85-01-8	
Phenol	<43.4	ug/kg	145	43.4	1	10/21/15 12:17	10/22/15 16:21	108-95-2	
Pyrene	204	ug/kg	135	40.5	1	10/21/15 12:17	10/22/15 16:21	129-00-0	
1,2,4-Trichlorobenzene	<20.7	ug/kg	68.9	20.7	1	10/21/15 12:17	10/22/15 16:21	120-82-1	
2,4,5-Trichlorophenol	<32.3	ug/kg	108	32.3	1	10/21/15 12:17	10/22/15 16:21	95-95-4	
2,4,6-Trichlorophenol	<27.9	ug/kg	92.9	27.9	1	10/21/15 12:17	10/22/15 16:21	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	82	%	45-130		1	10/21/15 12:17	10/22/15 16:21	4165-60-0	
2-Fluorobiphenyl (S)	76	%	51-130		1	10/21/15 12:17	10/22/15 16:21	321-60-8	
Terphenyl-d14 (S)	83	%	37-134		1	10/21/15 12:17	10/22/15 16:21	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: PG-4 (0-7)-101515 **Lab ID: 40122963016** Collected: 10/15/15 13:10 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Phenol-d6 (S)	68	%	36-130		1	10/21/15 12:17	10/22/15 16:21	13127-88-3	
2-Fluorophenol (S)	66	%	37-130		1	10/21/15 12:17	10/22/15 16:21	367-12-4	
2,4,6-Tribromophenol (S)	81	%	30-130		1	10/21/15 12:17	10/22/15 16:21	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<3.8	ug/kg	12.1	3.8	1	10/20/15 12:00	10/20/15 16:07	67-64-1	2q
Benzene	<0.97	ug/kg	3.0	0.97	1	10/20/15 12:00	10/20/15 16:07	71-43-2	
Bromodichloromethane	<0.66	ug/kg	3.0	0.66	1	10/20/15 12:00	10/20/15 16:07	75-27-4	
Bromoform	<0.51	ug/kg	3.0	0.51	1	10/20/15 12:00	10/20/15 16:07	75-25-2	
Bromomethane	<0.91	ug/kg	6.1	0.91	1	10/20/15 12:00	10/20/15 16:07	74-83-9	
2-Butanone (MEK)	<1.7	ug/kg	12.1	1.7	1	10/20/15 12:00	10/20/15 16:07	78-93-3	
Carbon disulfide	<0.78	ug/kg	3.0	0.78	1	10/20/15 12:00	10/20/15 16:07	75-15-0	
Carbon tetrachloride	<0.96	ug/kg	3.0	0.96	1	10/20/15 12:00	10/20/15 16:07	56-23-5	
Chlorobenzene	<0.96	ug/kg	3.0	0.96	1	10/20/15 12:00	10/20/15 16:07	108-90-7	
Chloroethane	<1.2	ug/kg	3.0	1.2	1	10/20/15 12:00	10/20/15 16:07	75-00-3	
Chloroform	<0.57	ug/kg	3.0	0.57	1	10/20/15 12:00	10/20/15 16:07	67-66-3	
Chloromethane	<0.34	ug/kg	3.0	0.34	1	10/20/15 12:00	10/20/15 16:07	74-87-3	
Dibromochloromethane	<1.0	ug/kg	3.0	1.0	1	10/20/15 12:00	10/20/15 16:07	124-48-1	
1,1-Dichloroethane	<1.4	ug/kg	3.0	1.4	1	10/20/15 12:00	10/20/15 16:07	75-34-3	
1,2-Dichloroethane	<0.59	ug/kg	3.0	0.59	1	10/20/15 12:00	10/20/15 16:07	107-06-2	
1,1-Dichloroethene	<1.4	ug/kg	3.0	1.4	1	10/20/15 12:00	10/20/15 16:07	75-35-4	
cis-1,2-Dichloroethene	<0.80	ug/kg	3.0	0.80	1	10/20/15 12:00	10/20/15 16:07	156-59-2	
trans-1,2-Dichloroethene	<0.75	ug/kg	3.0	0.75	1	10/20/15 12:00	10/20/15 16:07	156-60-5	
1,2-Dichloropropane	<0.76	ug/kg	3.0	0.76	1	10/20/15 12:00	10/20/15 16:07	78-87-5	
cis-1,3-Dichloropropene	<0.40	ug/kg	3.0	0.40	1	10/20/15 12:00	10/20/15 16:07	10061-01-5	
trans-1,3-Dichloropropene	<0.56	ug/kg	3.0	0.56	1	10/20/15 12:00	10/20/15 16:07	10061-02-6	
Ethylbenzene	<0.87	ug/kg	3.0	0.87	1	10/20/15 12:00	10/20/15 16:07	100-41-4	
2-Hexanone	<0.90	ug/kg	3.0	0.90	1	10/20/15 12:00	10/20/15 16:07	591-78-6	
Methylene Chloride	<1.1	ug/kg	3.0	1.1	1	10/20/15 12:00	10/20/15 16:07	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	<0.74	ug/kg	3.0	0.74	1	10/20/15 12:00	10/20/15 16:07	108-10-1	
Methyl-tert-butyl ether	<0.61	ug/kg	3.0	0.61	1	10/20/15 12:00	10/20/15 16:07	1634-04-4	
Styrene	<0.46	ug/kg	3.0	0.46	1	10/20/15 12:00	10/20/15 16:07	100-42-5	
1,1,1,2-Tetrachloroethane	<1.3	ug/kg	3.0	1.3	1	10/20/15 12:00	10/20/15 16:07	79-34-5	
Tetrachloroethene	<0.95	ug/kg	3.0	0.95	1	10/20/15 12:00	10/20/15 16:07	127-18-4	
Toluene	<0.90	ug/kg	3.0	0.90	1	10/20/15 12:00	10/20/15 16:07	108-88-3	
1,1,1-Trichloroethane	<0.93	ug/kg	3.0	0.93	1	10/20/15 12:00	10/20/15 16:07	71-55-6	
1,1,2-Trichloroethane	<1.2	ug/kg	3.0	1.2	1	10/20/15 12:00	10/20/15 16:07	79-00-5	
Trichloroethene	<1.2	ug/kg	3.0	1.2	1	10/20/15 12:00	10/20/15 16:07	79-01-6	
Vinyl chloride	<0.33	ug/kg	3.0	0.33	1	10/20/15 12:00	10/20/15 16:07	75-01-4	
Xylene (Total)	<2.7	ug/kg	9.1	2.7	1	10/20/15 12:00	10/20/15 16:07	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	117	%	70-130		1	10/20/15 12:00	10/20/15 16:07	1868-53-7	
Toluene-d8 (S)	105	%	67-138		1	10/20/15 12:00	10/20/15 16:07	2037-26-5	
4-Bromofluorobenzene (S)	89	%	68-130		1	10/20/15 12:00	10/20/15 16:07	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: PG-4 (0-7)-101515 **Lab ID: 40122963016** Collected: 10/15/15 13:10 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	8.7	%	0.10	0.10	1		10/16/15 17:31		
9045 pH Soil									
Analytical Method: EPA 9045									
pH at 25 Degrees C	8.68	Std. Units	0.100	0.0100	1		10/22/15 11:05		H6

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: **EDI**

Branch/Location:

Project Contact: **Lahiri/Celia**

Phone:

Project Number: **0295020**

Project Name: **FASS**

Project State:

Sampled By (Print): **Celia Lahiri**

Sampled By (Sign): *[Signature]*

PO #:

Regulatory Program:

Matrix Codes

Matrix Codes Legend:
 A = Air
 B = Biota
 C = Charcoal
 O = Oil
 S = Soil
 SI = Sludge
 W = Water
 DW = Drinking Water
 GW = Ground Water
 SW = Surface Water
 WP = Waste Water

DATE	TIME	MATRIX	Y/N	Pick Letter	Analyses Requested
10/15/15	0850	SA1	X		VOCs
10/15/15	0900		X		SVOCs
10/15/15	0920		X		Total Metals
10/15/15	0930		X		TCLP Metals
10/15/15	0945		X		SPLP metals
10/15/15	0955		X		pH
10/15/15	1020		X		
10/15/15	1025		X		
10/15/15	1040		X		
10/15/15	1055		X		
10/15/15	1115		X		
10/15/15	1140		X		

Quote #:

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

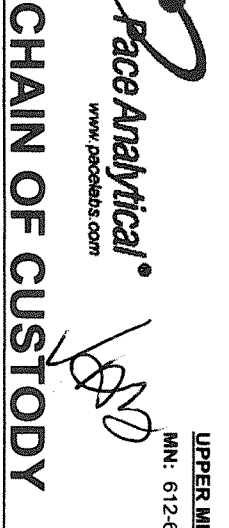
Invoice To Phone:

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Y/N	Pick Letter	Analyses Requested	LAB COMMENTS (Lab Use Only)	Profile #
001	VL17-1(6-5)-101515	10/15/15	0850	SA1	X		VOCs	3-4 DMV EFF	3-4724
002	VL17-1(6-9)-101515	10/15/15	0900		X		SVOCs		
003	VL17-2(0-5)-101515	10/15/15	0920		X		Total Metals		
004	VL17-2(5-9)-101515	10/15/15	0930		X		TCLP Metals		
005	VL17-3(0-5)-101515	10/15/15	0945		X		SPLP metals		
006	VL17-3(5-9)-101515	10/15/15	0955		X		pH		
007	BP16-1(0-5)-101515	10/15/15	1020		X				
008	BP16-1(0-5)-101515	10/15/15	1025		X				
009	BP16-1(5-9)-101515	10/15/15	1040		X				
010	BP16-2(0-5)-101515	10/15/15	1055		X				
011	BP16-2(5-10)-101515	10/15/15	1115		X				
012	SR-14(0-4)-101515	10/15/15	1140		X				



Filtered? (YES/NO)

Preservation (CODE)

Analysis Codes:
 A=None B=HCL C=H2SO4 D=HNO3 E=D Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)

Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:

Email #2:

Telephone:

Fax:

Special pricing and release of liability

Relinquished By: *[Signature]* Date/Time: 10/15/15 15:52

Relinquished By: *[Signature]* Date/Time: 10/15/15 17:30

Relinquished By: *[Signature]* Date/Time: 10/15/15 08:30

Relinquished By: *[Signature]* Date/Time: 10/15/15 08:30

Received By: *[Signature]* Date/Time: 10/15/15 15:52

Received By: *[Signature]* Date/Time: 10/15/15 17:30

Received By: *[Signature]* Date/Time: 10/15/15 08:30

Received By: *[Signature]* Date/Time: 10/15/15 08:30

Receipt Temp = 30 °C

Sample Receipt pH

OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Version: 6.0_05/24/06

(Please Print Clearly)

Company Name: **EDI**
 Branch/Location:
 Project Contact: **Patricia/Colin**
 Phone:
 Project Number: **0295.026**
 Project Name: **PAISS**
 Project State:
 Sampled By (Print): **Clm Baird**
 Sampled By (Sign):
 PO #:
 Regulatory Program:



CHAIN OF CUSTODY

Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

Page 1 of 1
 410122963

Data Package Options
 EPA Level III
 EPA Level IV
 On your sample (billable)
 NOT needed on your sample

MS/MSD (billable)
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air
 B = Biota
 C = Charcoal
 O = Oil
 S = Soil
 SI = Sludge
 W = Water
 DW = Drinking Water
 GW = Ground Water
 SW = Surface Water
 WW = Waste Water
 WP = Wipe

PAGE LAB #	CLIENT FIELD ID	DATE		MATRIX	Analyses Requested	Y / N	Pick Letter
		COLLECTION	TIME				
013	PG-2(10-7)-101515	10/15/15	1230	Soil	VOCs	X	
014	PG-3(05)-101515	10/15/15	1240		SVOCs	X	
015	PG-3(5-9)-101515	10/15/15	1250		Total Metals	X	
016	PG-4(10-7)-101515	10/15/15	1310		TCP Metals	X	
017	AL2-5(6-5)-101515	10/15/15	1330		Spec Metals	X	
018	AL2-5(5-9)-101515	10/15/15	1340		pH	X	
019	AL2-4(6-5)-101515	10/15/15	1430				
020	AL2-4(5-9)-101515	10/15/15	1440				
021	AL1-2(6-4)-101515	10/15/15	1500				
022	AL1-7(6-4)-101515	10/15/15	1505				

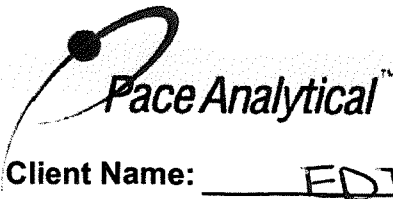
FILTERED?
(YES/NO)
 PRESERVATION
(CODE)

Y / N	Pick Letter	Analyses Requested
X		VOCs
X		SVOCs
X		Total Metals
X		TCP Metals
X		Spec Metals
X		pH

Quote #:
 Mail To Contact:
 Mail To Company:
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)
 Profile #

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
<i>[Signature]</i>	10/15/15 1532	<i>[Signature]</i>	10/15/15 1532	<i>[Signature]</i>	10/15/15 1532
<i>[Signature]</i>	10/15/15 1730	<i>[Signature]</i>	10/15/15 1730	<i>[Signature]</i>	10/15/15 1730
<i>[Signature]</i>	10/15/15 1505	<i>[Signature]</i>	10/15/15 1505	<i>[Signature]</i>	10/15/15 1505

Relinquished By: *[Signature]* Date/Time: 10/15/15 1532
 Relinquished By: *[Signature]* Date/Time: 10/15/15 1730
 Relinquished By: *[Signature]* Date/Time: 10/15/15 1505
 Received By: *[Signature]* Date/Time: 10/15/15 1532
 Received By: *[Signature]* Date/Time: 10/15/15 1730
 Received By: *[Signature]* Date/Time: 10/15/15 1505
 Receipt Temp = 30 °C
 Sample Receipt pH OK / Adjusted
 Cooler Custody Seal Present / Not Present Intact / Not Intact



Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Project #: WO#: 40122963

Client Name: EDT

Courier: Fed Ex UPS Client Pace Other: LS LOGISTICS



Custody Seal on Cooler/Box Present: X yes - no Seals intact: X yes - no

Custody Seal on Samples Present: yes X no Seals intact: yes - no

Packing Material: Bubble Wrap X Bubble Bags None Other

Thermometer Used SP104 Type of Ice: Wet Blue Dry None X Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 3.0 /Corr: 3.0 Biological Tissue is Frozen: yes

Temp Blank Present: X yes - no

Person examining contents:
Date: 10/16/15
Initials: TL

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows of checklist items (Chain of Custody Present, Short Hold Time Analysis, etc.) and checkboxes for Yes/No/N/A.

Client Notification/ Resolution:
Person Contacted: Date/Time:
Comments/ Resolution:

Project Manager Review: Date: 10/16/15



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAI 55: Interstate Route 55 at US Route 6 Office Phone Number, if available: _____

Physical Site Location (address, including number and street):

23000 block of Eames Street (ISGS Site No. 693V-23)

City: Channahon State: IL Zip Code: _____

County: Will Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.456589178 Longitude: -88.192558369
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: _____ BOL: _____ BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

Street Address: 201 West Center Court

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: Schaumburg State: IL

Zip Code: 60196-1096 Phone: 847-705-4101

Zip Code: 60196-1096 Phone: 847-705-4101

Contact: Sam Mead

Contact: Sam Mead

Email, if available: Sam.Mead@illinois.gov

Email, if available: Sam.Mead@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAI 55: Interstate Route 55 at US Route 6Latitude: 41.456589178 Longitude: -88.192558369Uncontaminated Site Certification**III. Basis for Certification and Attachments**

For each item listed below, reference the attachments to this form that provide the required information.

- a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a):

LOCATIONS PV-1 THROUGH PV-5 WERE SAMPLED ADJACENT TO ISGS SITE No. 693V-23. SEE FIGURES 3-1, 3-2, AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

- b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

PACE ANALYTICAL REPORT - JOB ID: 40122890 AND 40122822
ALSO SEE FIGURES 4-1 AND 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, William F. Karlovitz, P.E. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Weston Solutions, Inc.
Street Address: 300 Circle Plaza; Suite 202
City: Mundelein State: IL Zip Code: 60060
Phone: (224) 864-7200

William F. Karlovitz, P.E.

Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

14 Dec. 2015

Date:



P.E. or L.P.G. Seal:

Summary Table of ISGS Site No. 693V-23
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	PV-1 (0-4)-101315	PV-1 (0-4)-101315D	PV-2 (0-4)-101315	PV-3 (0-6)-101415	PV-4 (0-6)-101415	PV-5 (0-6)-101415	PV-5 (0-6)-101415D	Soil Reference Concentrations ^A
Sample Date	10/13/2015	10/13/2015	10/13/2015	10/14/2015	10/14/2015	10/14/2015	10/14/2015	
Location ID	PV-1	PV-1	PV-2	PV-3	PV-4	PV-5	PV-5	
Depth	0 - 4	0 - 4	0 - 4	0 - 6	0 - 6	0 - 6	0 - 6	
Lab Sample ID	40122822011	40122822012	40122822013	40122890027	40122890028	40122890030	40122890029	
Location Code	693V-23	693V-23	693V-23	693V-23	693V-23	693V-23	693V-23	
Parameter								
Laboratory pH	6.37 J	6.46 J	6.36 J	8.08 J	8.32 J	8.01 J	8.46 J	<6.25, >9.0
VOCs (ug/kg)								
Acetone	ND	ND	ND	ND	ND	ND	9.6 J	25000
Methyl ethyl ketone	ND	ND	ND	ND	ND	ND	ND	---
Toluene	ND	ND	ND	ND	ND	ND	ND	12000
SVOCs (ug/kg)								
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	90 / 1300 / 2100
Total Metals (mg/kg)								
Arsenic, Total	4.8	5.7	7.4	6.9	4.2 J	2.3	3.2	11.3 / 13.0
Barium, Total	43.8	46.8	62.2	25.1 J	20.9	15.2 J	23.4	1500
Beryllium, Total	0.26 J	0.3 J	0.46 J	0.35 J	0.21 J	0.095 J	0.12 J	22
Cadmium, Total	0.11 J	0.18 J	0.21 J	0.05 J	0.11 J	0.13 J	0.18 J	5.2
Calcium, Total	1690	1830	2390	46900	111000	148000	110000	---
Chromium, Total	12.5	13.7	22.1	10.9 J	6.3	5.2	7.1	21
Cobalt, Total	8.2	8.7	12	5.5 J	3.1 J	2.3	3.3	20
Copper, Total	16.5	19.3	27.4	16.6 J	7.6	10.4	13.9	2900
Iron, Total	14500	16300	23900	14600	9180	6830	9280	15000 / 15900
Lead, Total	ND	ND	16.7	7.3	5.3 J	2.4 J	4.4 J	107
Magnesium, Total	2200	2440	4280	27900	63000	86400	65900	325000
Manganese, Total	302	318	297	258	335	282	315	630 / 636
Mercury, Total	0.026	0.033	0.042	0.011 J	0.013 J	0.01 J	0.015 J	0.89
Nickel, Total	12.8	14.5	21.7	11.3 J	5.5 J	4.9	7.1	100
Potassium, Total	800	847	1130	1460 J	940 J	670	792	---
Selenium, Total	0.27 J	0.26 J	ND	ND	ND	0.56 J	0.52 J	1.3
Sodium, Total	39.6 J	47.8 J	51.2 J	77.4	115	148	142	---
Thallium, Total	ND	ND	ND	ND	ND	ND	ND	2.6
Vanadium, Total	26.7	29.3	43.3	24.5 J	9.1	9.4	12.7	550
Zinc, Total	35.2	38.3	55	25.2 J	21.9	21.6	32.2	5100

Summary Table of ISGS Site No. 693V-23
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	PV-1 (0-4)-101315	PV-1 (0-4)-101315D	PV-2 (0-4)-101315	PV-3 (0-6)-101415	PV-4 (0-6)-101415	PV-5 (0-6)-101415	PV-5 (0-6)-101415D	Soil Reference Concentrations ^A
Sample Date	10/13/2015	10/13/2015	10/13/2015	10/14/2015	10/14/2015	10/14/2015	10/14/2015	
Location ID	PV-1	PV-1	PV-2	PV-3	PV-4	PV-5	PV-5	
Depth	0 - 4	0 - 4	0 - 4	0 - 6	0 - 6	0 - 6	0 - 6	
Lab Sample ID	40122822011	40122822012	40122822013	40122890027	40122890028	40122890030	40122890029	
Location Code	693V-23	693V-23	693V-23	693V-23	693V-23	693V-23	693V-23	
Parameter								
TCLP Metals (mg/l)								
Arsenic, TCLP	0.008 J	ND	ND	0.0107 J	ND	0.0056 J	0.0055 J	0.05
Barium, TCLP	ND	ND	ND	ND	ND	ND	ND	2
Beryllium, TCLP	ND	ND	ND	0.00079 J	ND	ND	ND	0.004
Cadmium, TCLP	ND	0.00072 J	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	0.0038 J	0.022	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	0.0052 J	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	0.025	ND	ND	ND	0.65
Iron, TCLP	0.83 J	0.43 J	0.83 J	20.7	0.0196 J	ND	ND	5
Lead, TCLP	0.012 J	0.016 J	ND	0.0133	ND	0.014 J	ND	0.0075
Manganese, TCLP	ND	ND	ND	0.194	ND	0.71	0.57	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.0024 J	0.0035 J	0.0044 J	ND	ND	0.0042 J	0.0039 J	0.1
Selenium, TCLP	0.0065 J	ND	ND	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	ND	ND	0.0493	ND	ND	ND	5

Summary Table of ISGS Site No. 693V-23
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	PV-1 (0-4)-101315	PV-1 (0-4)-101315D	PV-2 (0-4)-101315	PV-3 (0-6)-101415	PV-4 (0-6)-101415	PV-5 (0-6)-101415	PV-5 (0-6)-101415D	Soil Reference Concentrations ^A
Sample Date	10/13/2015	10/13/2015	10/13/2015	10/14/2015	10/14/2015	10/14/2015	10/14/2015	
Location ID	PV-1	PV-1	PV-2	PV-3	PV-4	PV-5	PV-5	
Depth	0 - 4	0 - 4	0 - 4	0 - 6	0 - 6	0 - 6	0 - 6	
Lab Sample ID	40122822011	40122822012	40122822013	40122890027	40122890028	40122890030	40122890029	
Location Code	693V-23	693V-23	693V-23	693V-23	693V-23	693V-23	693V-23	
Parameter								
SPLP Metals (mg/l)								
Arsenic, SPLP	0.0075 J	0.0077 J	0.0097 J	0.027 J	ND	ND	ND	0.05
Barium, SPLP	0.099 J	0.096 J	0.14 J	0.21 J	0.26 J	ND	ND	2
Beryllium, SPLP	ND	0.00028 J	0.00043 J	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.015	0.016	0.02	ND	ND	ND	ND	0.1
Cobalt, SPLP	0.0041 J	0.0042 J	0.0059 J	0.0246 J	0.0442 J	ND	ND	1
Copper, SPLP	0.022	0.026	0.03	ND	ND	0.0055 J	ND	0.65
Iron, SPLP	16.3	19	22.7	0.0842 J	0.072 J	1.1	0.68	5
Lead, SPLP	0.01	0.011	0.014	ND	ND	ND	ND	0.0075
Manganese, SPLP	0.11	0.11	0.2	4.17	6.16	0.031 J	ND	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	0.014 J	0.016 J	0.021 J	0.0458 J	0.0277 J	0.002 J	0.00072 J	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	ND	ND	ND	ND	0.08 J	ND	ND	5

Notes:

--- - not applicable or value not available.

^A - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

B - Constituent detected in the blank and investigative sample.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

J+ - Estimated concentration, biased high.

Shaded values indicate concentration **exceeds** Reference Concentration.

November 10, 2015

Patricia Feeley, P.G.
Environmental Design International Inc.
33 West Monroe Street
Suite 1825
Chicago, IL 606035326

RE: Project: 0295.020 FAI 55
Pace Project No.: 40122822

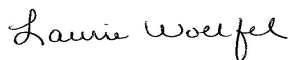
Dear Patricia Feeley, P.G.:

Enclosed are the analytical results for sample(s) received by the laboratory on October 14, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Revised Report REV_1. Added 6010 SPLP Mn to sample 40122822001.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Laurie Woelfel
laurie.woelfel@pacelabs.com
Project Manager

Enclosures

cc: Andrew Dorn, Environmental Design
Colin Pannier, Environmental Design



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Alabama Certification #40770

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

Colorado Certification #Pace

Connecticut Certification #: PH-0256

EPA Region 8 Certification #: 8TMS-L

Florida/NELAP Certification #: E87605

Guam Certification #:14-008r

Georgia Certification #: 959

Georgia EPD #: Pace

Idaho Certification #: MN00064

Hawaii Certification #MN00064

Illinois Certification #: 200011

Indiana Certification#C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky Dept of Envi. Protection - DW #90062

Kentucky Dept of Envi. Protection - WW #:90062

Louisiana DEQ Certification #: 3086

Louisiana DHH #: LA140001

Maine Certification #: 2013011

Maryland Certification #: 322

Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New York Certification #: 11647

North Carolina Certification #: 530

North Carolina State Public Health #: 27700

North Dakota Certification #: R-036

Ohio EPA #: 4150

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Oregon Certification #: MN300001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Saipan (CNMI) #:MP0003

South Carolina #:74003001

Texas Certification #: T104704192

Tennessee Certification #: 02818

Utah Certification #: MN000642013-4

Virginia DGS Certification #: 251

Washington Certification #: C486

West Virginia Certification #: 382

West Virginia DHHR #:9952C

Wisconsin Certification #: 999407970

New Orleans Certification IDs

California Env. Lab Accreditation Program Branch:

11277CA

Florida Department of Health (NELAC): E87595

Illinois Environmental Protection Agency: 0025721

Kansas Department of Health and Environment (NELAC):

E-10266

Louisiana Dept. of Environmental Quality (NELAC/LELAP):

02006

Pennsylvania Dept. of Env Protection (NELAC): 68-04202

Texas Commission on Env. Quality (NELAC):

T104704405-09-TX

U.S. Dept. of Agriculture Foreign Soil Import: P330-10-

00119

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP ID: 460263

Virginia VELAP Certification ID: 460263

Wisconsin Certification #: 405132750

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 200074

Indiana Certification #: C-49-06

Kansas Certification #E-10177

Kentucky UST Certification #: 0042

Kentucky WW Certification #:98019

Louisiana Certification #: 04076

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2014-148

Texas Certification #: T104704355-15-9

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-10-00128

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 15-016-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: PV-1 (0-4)-101315 Lab ID: 4012282011 Collected: 10/13/15 12:40 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.11	mg/kg	3.2	0.11	1	10/19/15 08:23	10/21/15 16:42	7440-36-0	
Arsenic	4.8	mg/kg	1.1	0.29	1	10/19/15 08:23	10/21/15 16:42	7440-38-2	
Barium	43.8	mg/kg	21.1	0.28	1	10/19/15 08:23	10/21/15 16:42	7440-39-3	
Beryllium	0.26J	mg/kg	0.53	0.083	1	10/19/15 08:23	10/21/15 16:42	7440-41-7	
Cadmium	0.11J	mg/kg	0.53	0.067	1	10/19/15 08:23	10/21/15 16:42	7440-43-9	
Calcium	1690	mg/kg	105	2.8	1	10/19/15 08:23	10/21/15 16:42	7440-70-2	
Chromium	12.5	mg/kg	1.1	0.32	1	10/19/15 08:23	10/21/15 16:42	7440-47-3	
Cobalt	8.2	mg/kg	1.1	0.14	1	10/19/15 08:23	10/21/15 16:42	7440-48-4	
Copper	16.5	mg/kg	1.1	0.39	1	10/19/15 08:23	10/21/15 16:42	7440-50-8	
Iron	14500	mg/kg	5.3	0.81	1	10/19/15 08:23	10/21/15 16:42	7439-89-6	
Lead	13.3	mg/kg	0.53	0.29	1	10/19/15 08:23	10/21/15 16:42	7439-92-1	
Magnesium	2200	mg/kg	105	3.0	1	10/19/15 08:23	10/21/15 16:42	7439-95-4	
Manganese	302	mg/kg	1.1	0.20	1	10/19/15 08:23	10/21/15 16:42	7439-96-5	
Nickel	12.8	mg/kg	4.2	1.1	1	10/19/15 08:23	10/21/15 16:42	7440-02-0	
Potassium	800	mg/kg	105	3.3	1	10/19/15 08:23	10/21/15 16:42	7440-09-7	
Selenium	0.27J	mg/kg	2.1	0.22	1	10/19/15 08:23	10/21/15 16:42	7782-49-2	
Silver	<0.075	mg/kg	1.1	0.075	1	10/19/15 08:23	10/21/15 16:42	7440-22-4	
Sodium	39.6J	mg/kg	105	17.7	1	10/19/15 08:23	10/21/15 16:42	7440-23-5	
Thallium	<0.16	mg/kg	0.53	0.16	1	10/19/15 08:23	10/21/15 16:42	7440-28-0	
Vanadium	26.7	mg/kg	5.3	0.33	1	10/19/15 08:23	10/21/15 16:42	7440-62-2	
Zinc	35.2	mg/kg	2.1	0.49	1	10/19/15 08:23	10/21/15 16:42	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/18/15 11:00

Arsenic	0.0075J	mg/L	0.010	0.0026	1	10/20/15 07:44	10/21/15 11:49	7440-38-2	
Barium	0.099J	mg/L	0.20	0.0037	1	10/20/15 07:44	10/21/15 11:49	7440-39-3	
Beryllium	<0.00025	mg/L	0.0050	0.00025	1	10/20/15 07:44	10/21/15 11:49	7440-41-7	
Cadmium	<0.00027	mg/L	0.0050	0.00027	1	10/20/15 07:44	10/21/15 11:49	7440-43-9	
Chromium	0.015	mg/L	0.010	0.0018	1	10/20/15 07:44	10/21/15 11:49	7440-47-3	
Cobalt	0.0041J	mg/L	0.010	0.00050	1	10/20/15 07:44	10/21/15 11:49	7440-48-4	
Copper	0.022	mg/L	0.010	0.0024	1	10/20/15 07:44	10/21/15 11:49	7440-50-8	
Iron	16.3	mg/L	0.050	0.0073	1	10/20/15 07:44	10/21/15 11:49	7439-89-6	
Lead	0.010	mg/L	0.0050	0.00084	1	10/20/15 07:44	10/21/15 11:49	7439-92-1	
Manganese	0.11	mg/L	0.010	0.00065	1	10/20/15 07:44	10/21/15 11:49	7439-96-5	
Nickel	0.014J	mg/L	0.040	0.00041	1	10/20/15 07:44	10/21/15 11:49	7440-02-0	
Selenium	<0.0024	mg/L	0.020	0.0024	1	10/20/15 07:44	10/21/15 11:49	7782-49-2	
Silver	<0.00032	mg/L	0.010	0.00032	1	10/20/15 07:44	10/21/15 11:49	7440-22-4	
Zinc	0.046	mg/L	0.020	0.00076	1	10/20/15 07:44	10/21/15 11:49	7440-66-6	B

6010 Metals, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/21/15 17:00

Arsenic	0.0080J	mg/L	0.20	0.0053	1	10/22/15 12:12	10/22/15 16:41	7440-38-2	
Barium	0.28J	mg/L	2.0	0.0010	1	10/22/15 12:12	10/22/15 16:41	7440-39-3	B
Beryllium	<0.00050	mg/L	0.20	0.00050	1	10/22/15 12:12	10/22/15 16:41	7440-41-7	
Cadmium	<0.00054	mg/L	0.10	0.00054	1	10/22/15 12:12	10/22/15 16:41	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: PV-1 (0-4)-101315 Lab ID: 4012282011 Collected: 10/13/15 12:40 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Chromium	<0.0037	mg/L	0.20	0.0037	1	10/22/15 12:12	10/22/15 16:41	7440-47-3	
Cobalt	<0.0010	mg/L	0.20	0.0010	1	10/22/15 12:12	10/22/15 16:41	7440-48-4	
Copper	<0.0048	mg/L	0.20	0.0048	1	10/22/15 12:12	10/22/15 16:41	7440-50-8	
Iron	0.83J	mg/L	1.0	0.015	1	10/22/15 12:12	10/22/15 16:41	7439-89-6	
Lead	0.012J	mg/L	0.20	0.0017	1	10/22/15 12:12	10/22/15 16:41	7439-92-1	
Manganese	0.078J	mg/L	0.13	0.0013	1	10/22/15 12:12	10/22/15 16:41	7439-96-5	B
Nickel	0.0024J	mg/L	0.20	0.00082	1	10/22/15 12:12	10/22/15 16:41	7440-02-0	
Selenium	0.0065J	mg/L	0.20	0.0049	1	10/22/15 12:12	10/22/15 16:41	7782-49-2	
Silver	<0.00065	mg/L	0.20	0.00065	1	10/22/15 12:12	10/22/15 16:41	7440-22-4	
Zinc	0.19J	mg/L	0.20	0.0015	1	10/22/15 12:12	10/22/15 16:41	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/18/15 11:00									
Mercury	0.000030J	mg/L	0.00020	0.000024	1	10/20/15 07:58	10/21/15 10:45	7439-97-6	B
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Mercury	<0.000024	mg/L	0.00020	0.000024	1	10/22/15 12:12	10/22/15 15:57	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.026	mg/kg	0.018	0.0088	1	10/19/15 09:47	10/20/15 15:30	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<66.1	ug/kg	220	66.1	1	10/21/15 08:58	10/21/15 11:33	83-32-9	
Acenaphthylene	<66.5	ug/kg	222	66.5	1	10/21/15 08:58	10/21/15 11:33	208-96-8	
Anthracene	<29.8	ug/kg	99.4	29.8	1	10/21/15 08:58	10/21/15 11:33	120-12-7	
Benzo(a)anthracene	<28.9	ug/kg	96.3	28.9	1	10/21/15 08:58	10/21/15 11:33	56-55-3	
Benzo(a)pyrene	<28.1	ug/kg	93.6	28.1	1	10/21/15 08:58	10/21/15 11:33	50-32-8	
Benzo(b)fluoranthene	<32.0	ug/kg	107	32.0	1	10/21/15 08:58	10/21/15 11:33	205-99-2	
Benzo(g,h,i)perylene	<48.8	ug/kg	163	48.8	1	10/21/15 08:58	10/21/15 11:33	191-24-2	
Benzo(k)fluoranthene	<44.7	ug/kg	149	44.7	1	10/21/15 08:58	10/21/15 11:33	207-08-9	
4-Bromophenylphenyl ether	<39.1	ug/kg	130	39.1	1	10/21/15 08:58	10/21/15 11:33	101-55-3	
Butylbenzylphthalate	<29.9	ug/kg	99.7	29.9	1	10/21/15 08:58	10/21/15 11:33	85-68-7	
Carbazole	<29.2	ug/kg	97.3	29.2	1	10/21/15 08:58	10/21/15 11:33	86-74-8	
4-Chloro-3-methylphenol	<58.0	ug/kg	193	58.0	1	10/21/15 08:58	10/21/15 11:33	59-50-7	
4-Chloroaniline	<30.7	ug/kg	102	30.7	1	10/21/15 08:58	10/21/15 11:33	106-47-8	
bis(2-Chloroethoxy)methane	<50.2	ug/kg	167	50.2	1	10/21/15 08:58	10/21/15 11:33	111-91-1	
bis(2-Chloroethyl) ether	<58.2	ug/kg	194	58.2	1	10/21/15 08:58	10/21/15 11:33	111-44-4	
2-Chloronaphthalene	<23.9	ug/kg	79.8	23.9	1	10/21/15 08:58	10/21/15 11:33	91-58-7	
2-Chlorophenol	<46.6	ug/kg	155	46.6	1	10/21/15 08:58	10/21/15 11:33	95-57-8	
4-Chlorophenylphenyl ether	<34.7	ug/kg	116	34.7	1	10/21/15 08:58	10/21/15 11:33	7005-72-3	
Chrysene	<27.9	ug/kg	93.0	27.9	1	10/21/15 08:58	10/21/15 11:33	218-01-9	
Dibenz(a,h)anthracene	<50.7	ug/kg	169	50.7	1	10/21/15 08:58	10/21/15 11:33	53-70-3	
Dibenzofuran	<22.6	ug/kg	75.3	22.6	1	10/21/15 08:58	10/21/15 11:33	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: PV-1 (0-4)-101315 **Lab ID: 40122822011** Collected: 10/13/15 12:40 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<58.6	ug/kg	195	58.6	1	10/21/15 08:58	10/21/15 11:33	95-50-1	
1,3-Dichlorobenzene	<25.8	ug/kg	86.1	25.8	1	10/21/15 08:58	10/21/15 11:33	541-73-1	
1,4-Dichlorobenzene	<26.0	ug/kg	86.6	26.0	1	10/21/15 08:58	10/21/15 11:33	106-46-7	
3,3'-Dichlorobenzidine	<50.6	ug/kg	169	50.6	1	10/21/15 08:58	10/21/15 11:33	91-94-1	
2,4-Dichlorophenol	<49.8	ug/kg	166	49.8	1	10/21/15 08:58	10/21/15 11:33	120-83-2	
Diethylphthalate	<30.9	ug/kg	103	30.9	1	10/21/15 08:58	10/21/15 11:33	84-66-2	
2,4-Dimethylphenol	<36.9	ug/kg	123	36.9	1	10/21/15 08:58	10/21/15 11:33	105-67-9	
Dimethylphthalate	<24.3	ug/kg	80.9	24.3	1	10/21/15 08:58	10/21/15 11:33	131-11-3	
Di-n-butylphthalate	<27.9	ug/kg	92.9	27.9	1	10/21/15 08:58	10/21/15 11:33	84-74-2	
4,6-Dinitro-2-methylphenol	<57.5	ug/kg	192	57.5	1	10/21/15 08:58	10/21/15 11:33	534-52-1	
2,4-Dinitrophenol	<56.8	ug/kg	189	56.8	1	10/21/15 08:58	10/21/15 11:33	51-28-5	
2,4-Dinitrotoluene	<26.7	ug/kg	88.9	26.7	1	10/21/15 08:58	10/21/15 11:33	121-14-2	
2,6-Dinitrotoluene	<35.4	ug/kg	118	35.4	1	10/21/15 08:58	10/21/15 11:33	606-20-2	
Di-n-octylphthalate	<41.9	ug/kg	140	41.9	1	10/21/15 08:58	10/21/15 11:33	117-84-0	
bis(2-Ethylhexyl)phthalate	<31.0	ug/kg	103	31.0	1	10/21/15 08:58	10/21/15 11:33	117-81-7	
Fluoranthene	<26.4	ug/kg	88.0	26.4	1	10/21/15 08:58	10/21/15 11:33	206-44-0	
Fluorene	<21.8	ug/kg	72.7	21.8	1	10/21/15 08:58	10/21/15 11:33	86-73-7	
Hexachloro-1,3-butadiene	<47.5	ug/kg	158	47.5	1	10/21/15 08:58	10/21/15 11:33	87-68-3	
Hexachlorobenzene	<31.4	ug/kg	105	31.4	1	10/21/15 08:58	10/21/15 11:33	118-74-1	
Hexachlorocyclopentadiene	<44.1	ug/kg	147	44.1	1	10/21/15 08:58	10/21/15 11:33	77-47-4	
Hexachloroethane	<29.8	ug/kg	99.5	29.8	1	10/21/15 08:58	10/21/15 11:33	67-72-1	
Indeno(1,2,3-cd)pyrene	<40.4	ug/kg	135	40.4	1	10/21/15 08:58	10/21/15 11:33	193-39-5	
Isophorone	<28.7	ug/kg	95.6	28.7	1	10/21/15 08:58	10/21/15 11:33	78-59-1	
2-Methylnaphthalene	<48.4	ug/kg	161	48.4	1	10/21/15 08:58	10/21/15 11:33	91-57-6	
2-Methylphenol(o-Cresol)	<33.9	ug/kg	113	33.9	1	10/21/15 08:58	10/21/15 11:33	95-48-7	
3&4-Methylphenol(m&p Cresol)	<34.2	ug/kg	114	34.2	1	10/21/15 08:58	10/21/15 11:33		
Naphthalene	<65.2	ug/kg	217	65.2	1	10/21/15 08:58	10/21/15 11:33	91-20-3	
2-Nitroaniline	<53.2	ug/kg	177	53.2	1	10/21/15 08:58	10/21/15 11:33	88-74-4	
3-Nitroaniline	<31.7	ug/kg	106	31.7	1	10/21/15 08:58	10/21/15 11:33	99-09-2	
4-Nitroaniline	<77.4	ug/kg	258	77.4	1	10/21/15 08:58	10/21/15 11:33	100-01-6	
Nitrobenzene	<37.8	ug/kg	126	37.8	1	10/21/15 08:58	10/21/15 11:33	98-95-3	
2-Nitrophenol	<58.9	ug/kg	196	58.9	1	10/21/15 08:58	10/21/15 11:33	88-75-5	
4-Nitrophenol	<47.0	ug/kg	157	47.0	1	10/21/15 08:58	10/21/15 11:33	100-02-7	
N-Nitroso-di-n-propylamine	<29.6	ug/kg	98.6	29.6	1	10/21/15 08:58	10/21/15 11:33	621-64-7	
N-Nitrosodiphenylamine	<253	ug/kg	844	253	1	10/21/15 08:58	10/21/15 11:33	86-30-6	
2,2'-Oxybis(1-chloropropane)	<48.1	ug/kg	160	48.1	1	10/21/15 08:58	10/21/15 11:33	108-60-1	
Pentachlorophenol	<41.1	ug/kg	137	41.1	1	10/21/15 08:58	10/21/15 11:33	87-86-5	
Phenanthrene	<23.9	ug/kg	79.8	23.9	1	10/21/15 08:58	10/21/15 11:33	85-01-8	
Phenol	<44.3	ug/kg	148	44.3	1	10/21/15 08:58	10/21/15 11:33	108-95-2	
Pyrene	<41.3	ug/kg	138	41.3	1	10/21/15 08:58	10/21/15 11:33	129-00-0	
1,2,4-Trichlorobenzene	<21.1	ug/kg	70.3	21.1	1	10/21/15 08:58	10/21/15 11:33	120-82-1	
2,4,5-Trichlorophenol	<32.9	ug/kg	110	32.9	1	10/21/15 08:58	10/21/15 11:33	95-95-4	
2,4,6-Trichlorophenol	<28.4	ug/kg	94.8	28.4	1	10/21/15 08:58	10/21/15 11:33	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	35	%	45-130		1	10/21/15 08:58	10/21/15 11:33	4165-60-0	6q

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: PV-1 (0-4)-101315 **Lab ID: 40122822011** Collected: 10/13/15 12:40 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	39	%	51-130		1	10/21/15 08:58	10/21/15 11:33	321-60-8	6q
Terphenyl-d14 (S)	45	%	37-134		1	10/21/15 08:58	10/21/15 11:33	1718-51-0	
Phenol-d6 (S)	32	%	36-130		1	10/21/15 08:58	10/21/15 11:33	13127-88-3	6q
2-Fluorophenol (S)	29	%	37-130		1	10/21/15 08:58	10/21/15 11:33	367-12-4	6q
2,4,6-Tribromophenol (S)	39	%	30-130		1	10/21/15 08:58	10/21/15 11:33	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<6.5	ug/kg	21.0	6.5	1	10/15/15 12:00	10/15/15 21:54	67-64-1	2q
Benzene	<1.7	ug/kg	5.2	1.7	1	10/15/15 12:00	10/15/15 21:54	71-43-2	
Bromodichloromethane	<1.1	ug/kg	5.2	1.1	1	10/15/15 12:00	10/15/15 21:54	75-27-4	
Bromoform	<0.89	ug/kg	5.2	0.89	1	10/15/15 12:00	10/15/15 21:54	75-25-2	
Bromomethane	<1.6	ug/kg	10.5	1.6	1	10/15/15 12:00	10/15/15 21:54	74-83-9	
2-Butanone (MEK)	<3.0	ug/kg	21.0	3.0	1	10/15/15 12:00	10/15/15 21:54	78-93-3	
Carbon disulfide	<1.4	ug/kg	5.2	1.4	1	10/15/15 12:00	10/15/15 21:54	75-15-0	
Carbon tetrachloride	<1.7	ug/kg	5.2	1.7	1	10/15/15 12:00	10/15/15 21:54	56-23-5	
Chlorobenzene	<1.7	ug/kg	5.2	1.7	1	10/15/15 12:00	10/15/15 21:54	108-90-7	
Chloroethane	<2.1	ug/kg	5.2	2.1	1	10/15/15 12:00	10/15/15 21:54	75-00-3	
Chloroform	<0.99	ug/kg	5.2	0.99	1	10/15/15 12:00	10/15/15 21:54	67-66-3	
Chloromethane	<0.59	ug/kg	5.2	0.59	1	10/15/15 12:00	10/15/15 21:54	74-87-3	
Dibromochloromethane	<1.8	ug/kg	5.2	1.8	1	10/15/15 12:00	10/15/15 21:54	124-48-1	
1,1-Dichloroethane	<2.5	ug/kg	5.2	2.5	1	10/15/15 12:00	10/15/15 21:54	75-34-3	
1,2-Dichloroethane	<1.0	ug/kg	5.2	1.0	1	10/15/15 12:00	10/15/15 21:54	107-06-2	
1,1-Dichloroethene	<2.4	ug/kg	5.2	2.4	1	10/15/15 12:00	10/15/15 21:54	75-35-4	
cis-1,2-Dichloroethene	<1.4	ug/kg	5.2	1.4	1	10/15/15 12:00	10/15/15 21:54	156-59-2	
trans-1,2-Dichloroethene	<1.3	ug/kg	5.2	1.3	1	10/15/15 12:00	10/15/15 21:54	156-60-5	
1,2-Dichloropropane	<1.3	ug/kg	5.2	1.3	1	10/15/15 12:00	10/15/15 21:54	78-87-5	
cis-1,3-Dichloropropene	<0.70	ug/kg	5.2	0.70	1	10/15/15 12:00	10/15/15 21:54	10061-01-5	
trans-1,3-Dichloropropene	<0.97	ug/kg	5.2	0.97	1	10/15/15 12:00	10/15/15 21:54	10061-02-6	
Ethylbenzene	<1.5	ug/kg	5.2	1.5	1	10/15/15 12:00	10/15/15 21:54	100-41-4	
2-Hexanone	<1.6	ug/kg	5.2	1.6	1	10/15/15 12:00	10/15/15 21:54	591-78-6	
Methylene Chloride	<1.9	ug/kg	5.2	1.9	1	10/15/15 12:00	10/15/15 21:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	<1.3	ug/kg	5.2	1.3	1	10/15/15 12:00	10/15/15 21:54	108-10-1	
Methyl-tert-butyl ether	<1.1	ug/kg	5.2	1.1	1	10/15/15 12:00	10/15/15 21:54	1634-04-4	
Styrene	<0.80	ug/kg	5.2	0.80	1	10/15/15 12:00	10/15/15 21:54	100-42-5	
1,1,2,2-Tetrachloroethane	<2.2	ug/kg	5.2	2.2	1	10/15/15 12:00	10/15/15 21:54	79-34-5	
Tetrachloroethene	<1.6	ug/kg	5.2	1.6	1	10/15/15 12:00	10/15/15 21:54	127-18-4	
Toluene	<1.6	ug/kg	5.2	1.6	1	10/15/15 12:00	10/15/15 21:54	108-88-3	
1,1,1-Trichloroethane	<1.6	ug/kg	5.2	1.6	1	10/15/15 12:00	10/15/15 21:54	71-55-6	
1,1,2-Trichloroethane	<2.0	ug/kg	5.2	2.0	1	10/15/15 12:00	10/15/15 21:54	79-00-5	
Trichloroethene	<2.0	ug/kg	5.2	2.0	1	10/15/15 12:00	10/15/15 21:54	79-01-6	
Vinyl chloride	<0.57	ug/kg	5.2	0.57	1	10/15/15 12:00	10/15/15 21:54	75-01-4	
Xylene (Total)	<4.7	ug/kg	15.7	4.7	1	10/15/15 12:00	10/15/15 21:54	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	102	%	70-130		1	10/15/15 12:00	10/15/15 21:54	1868-53-7	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: PV-1 (0-4)-101315 **Lab ID: 4012282011** Collected: 10/13/15 12:40 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	105	%	67-138		1	10/15/15 12:00	10/15/15 21:54	2037-26-5	
4-Bromofluorobenzene (S)	85	%	68-130		1	10/15/15 12:00	10/15/15 21:54	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	10.5	%	0.10	0.10	1		10/14/15 18:06		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	6.37	Std. Units	0.100	0.0100	1		10/15/15 19:15		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: PV-1 (0-4)-101315D Lab ID: 40122822012 Collected: 10/13/15 12:45 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.11	mg/kg	3.2	0.11	1	10/19/15 08:23	10/21/15 16:46	7440-36-0	
Arsenic	5.7	mg/kg	1.1	0.29	1	10/19/15 08:23	10/21/15 16:46	7440-38-2	
Barium	46.8	mg/kg	21.0	0.27	1	10/19/15 08:23	10/21/15 16:46	7440-39-3	
Beryllium	0.30J	mg/kg	0.53	0.083	1	10/19/15 08:23	10/21/15 16:46	7440-41-7	
Cadmium	0.18J	mg/kg	0.53	0.067	1	10/19/15 08:23	10/21/15 16:46	7440-43-9	
Calcium	1830	mg/kg	105	2.8	1	10/19/15 08:23	10/21/15 16:46	7440-70-2	
Chromium	13.7	mg/kg	1.1	0.32	1	10/19/15 08:23	10/21/15 16:46	7440-47-3	
Cobalt	8.7	mg/kg	1.1	0.14	1	10/19/15 08:23	10/21/15 16:46	7440-48-4	
Copper	19.3	mg/kg	1.1	0.39	1	10/19/15 08:23	10/21/15 16:46	7440-50-8	
Iron	16300	mg/kg	5.3	0.81	1	10/19/15 08:23	10/21/15 16:46	7439-89-6	
Lead	14.7	mg/kg	0.53	0.29	1	10/19/15 08:23	10/21/15 16:46	7439-92-1	
Magnesium	2440	mg/kg	105	3.0	1	10/19/15 08:23	10/21/15 16:46	7439-95-4	
Manganese	318	mg/kg	1.1	0.20	1	10/19/15 08:23	10/21/15 16:46	7439-96-5	
Nickel	14.5	mg/kg	4.2	1.1	1	10/19/15 08:23	10/21/15 16:46	7440-02-0	
Potassium	847	mg/kg	105	3.3	1	10/19/15 08:23	10/21/15 16:46	7440-09-7	
Selenium	0.26J	mg/kg	2.1	0.22	1	10/19/15 08:23	10/21/15 16:46	7782-49-2	
Silver	<0.075	mg/kg	1.1	0.075	1	10/19/15 08:23	10/21/15 16:46	7440-22-4	
Sodium	47.8J	mg/kg	105	17.6	1	10/19/15 08:23	10/21/15 16:46	7440-23-5	
Thallium	<0.16	mg/kg	0.53	0.16	1	10/19/15 08:23	10/21/15 16:46	7440-28-0	
Vanadium	29.3	mg/kg	5.3	0.33	1	10/19/15 08:23	10/21/15 16:46	7440-62-2	
Zinc	38.3	mg/kg	2.1	0.49	1	10/19/15 08:23	10/21/15 16:46	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/18/15 11:00

Arsenic	0.0077J	mg/L	0.010	0.0026	1	10/20/15 07:44	10/21/15 11:53	7440-38-2	
Barium	0.096J	mg/L	0.20	0.0037	1	10/20/15 07:44	10/21/15 11:53	7440-39-3	
Beryllium	0.00028J	mg/L	0.0050	0.00025	1	10/20/15 07:44	10/21/15 11:53	7440-41-7	
Cadmium	<0.00027	mg/L	0.0050	0.00027	1	10/20/15 07:44	10/21/15 11:53	7440-43-9	
Chromium	0.016	mg/L	0.010	0.0018	1	10/20/15 07:44	10/21/15 11:53	7440-47-3	
Cobalt	0.0042J	mg/L	0.010	0.00050	1	10/20/15 07:44	10/21/15 11:53	7440-48-4	
Copper	0.026	mg/L	0.010	0.0024	1	10/20/15 07:44	10/21/15 11:53	7440-50-8	
Iron	19.0	mg/L	0.050	0.0073	1	10/20/15 07:44	10/21/15 11:53	7439-89-6	
Lead	0.011	mg/L	0.0050	0.00084	1	10/20/15 07:44	10/21/15 11:53	7439-92-1	
Manganese	0.11	mg/L	0.010	0.00065	1	10/20/15 07:44	10/21/15 11:53	7439-96-5	
Nickel	0.016J	mg/L	0.040	0.00041	1	10/20/15 07:44	10/21/15 11:53	7440-02-0	
Selenium	<0.0024	mg/L	0.020	0.0024	1	10/20/15 07:44	10/21/15 11:53	7782-49-2	
Silver	<0.00032	mg/L	0.010	0.00032	1	10/20/15 07:44	10/21/15 11:53	7440-22-4	
Zinc	0.043	mg/L	0.020	0.00076	1	10/20/15 07:44	10/21/15 11:53	7440-66-6	B

6010 Metals, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/21/15 17:00

Arsenic	<0.0053	mg/L	0.20	0.0053	1	10/22/15 12:12	10/22/15 16:45	7440-38-2	
Barium	0.28J	mg/L	2.0	0.0010	1	10/22/15 12:12	10/22/15 16:45	7440-39-3	B
Beryllium	<0.00050	mg/L	0.20	0.00050	1	10/22/15 12:12	10/22/15 16:45	7440-41-7	
Cadmium	0.00072J	mg/L	0.10	0.00054	1	10/22/15 12:12	10/22/15 16:45	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: PV-1 (0-4)-101315D Lab ID: 40122822012 Collected: 10/13/15 12:45 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Chromium	<0.0037	mg/L	0.20	0.0037	1	10/22/15 12:12	10/22/15 16:45	7440-47-3	
Cobalt	<0.0010	mg/L	0.20	0.0010	1	10/22/15 12:12	10/22/15 16:45	7440-48-4	
Copper	0.020J	mg/L	0.20	0.0048	1	10/22/15 12:12	10/22/15 16:45	7440-50-8	B
Iron	0.43J	mg/L	1.0	0.015	1	10/22/15 12:12	10/22/15 16:45	7439-89-6	
Lead	0.016J	mg/L	0.20	0.0017	1	10/22/15 12:12	10/22/15 16:45	7439-92-1	
Manganese	0.041J	mg/L	0.13	0.0013	1	10/22/15 12:12	10/22/15 16:45	7439-96-5	B
Nickel	0.0035J	mg/L	0.20	0.00082	1	10/22/15 12:12	10/22/15 16:45	7440-02-0	
Selenium	<0.0049	mg/L	0.20	0.0049	1	10/22/15 12:12	10/22/15 16:45	7782-49-2	
Silver	<0.00065	mg/L	0.20	0.00065	1	10/22/15 12:12	10/22/15 16:45	7440-22-4	
Zinc	0.19J	mg/L	0.20	0.0015	1	10/22/15 12:12	10/22/15 16:45	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/18/15 11:00									
Mercury	0.000040J	mg/L	0.00020	0.000024	1	10/20/15 07:58	10/21/15 10:47	7439-97-6	B
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Mercury	<0.000024	mg/L	0.00020	0.000024	1	10/22/15 12:12	10/22/15 15:59	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.033	mg/kg	0.020	0.010	1	10/19/15 09:47	10/20/15 15:33	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<64.6	ug/kg	215	64.6	1	10/21/15 08:58	10/21/15 11:55	83-32-9	
Acenaphthylene	<65.0	ug/kg	217	65.0	1	10/21/15 08:58	10/21/15 11:55	208-96-8	
Anthracene	<29.1	ug/kg	97.1	29.1	1	10/21/15 08:58	10/21/15 11:55	120-12-7	
Benzo(a)anthracene	<28.2	ug/kg	94.1	28.2	1	10/21/15 08:58	10/21/15 11:55	56-55-3	
Benzo(a)pyrene	<27.4	ug/kg	91.4	27.4	1	10/21/15 08:58	10/21/15 11:55	50-32-8	
Benzo(b)fluoranthene	<31.3	ug/kg	104	31.3	1	10/21/15 08:58	10/21/15 11:55	205-99-2	
Benzo(g,h,i)perylene	<47.7	ug/kg	159	47.7	1	10/21/15 08:58	10/21/15 11:55	191-24-2	
Benzo(k)fluoranthene	<43.6	ug/kg	145	43.6	1	10/21/15 08:58	10/21/15 11:55	207-08-9	
4-Bromophenylphenyl ether	<38.2	ug/kg	127	38.2	1	10/21/15 08:58	10/21/15 11:55	101-55-3	
Butylbenzylphthalate	<29.2	ug/kg	97.4	29.2	1	10/21/15 08:58	10/21/15 11:55	85-68-7	
Carbazole	<28.5	ug/kg	95.1	28.5	1	10/21/15 08:58	10/21/15 11:55	86-74-8	
4-Chloro-3-methylphenol	<56.7	ug/kg	189	56.7	1	10/21/15 08:58	10/21/15 11:55	59-50-7	
4-Chloroaniline	<30.0	ug/kg	99.9	30.0	1	10/21/15 08:58	10/21/15 11:55	106-47-8	
bis(2-Chloroethoxy)methane	<49.1	ug/kg	164	49.1	1	10/21/15 08:58	10/21/15 11:55	111-91-1	
bis(2-Chloroethyl) ether	<56.9	ug/kg	190	56.9	1	10/21/15 08:58	10/21/15 11:55	111-44-4	
2-Chloronaphthalene	<23.4	ug/kg	78.0	23.4	1	10/21/15 08:58	10/21/15 11:55	91-58-7	
2-Chlorophenol	<45.5	ug/kg	152	45.5	1	10/21/15 08:58	10/21/15 11:55	95-57-8	
4-Chlorophenylphenyl ether	<34.0	ug/kg	113	34.0	1	10/21/15 08:58	10/21/15 11:55	7005-72-3	
Chrysene	<27.3	ug/kg	90.9	27.3	1	10/21/15 08:58	10/21/15 11:55	218-01-9	
Dibenz(a,h)anthracene	<49.5	ug/kg	165	49.5	1	10/21/15 08:58	10/21/15 11:55	53-70-3	
Dibenzofuran	<22.1	ug/kg	73.6	22.1	1	10/21/15 08:58	10/21/15 11:55	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: PV-1 (0-4)-101315D Lab ID: 40122822012 Collected: 10/13/15 12:45 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<57.3	ug/kg	191	57.3	1	10/21/15 08:58	10/21/15 11:55	95-50-1	
1,3-Dichlorobenzene	<25.2	ug/kg	84.1	25.2	1	10/21/15 08:58	10/21/15 11:55	541-73-1	
1,4-Dichlorobenzene	<25.4	ug/kg	84.7	25.4	1	10/21/15 08:58	10/21/15 11:55	106-46-7	
3,3'-Dichlorobenzidine	<49.5	ug/kg	165	49.5	1	10/21/15 08:58	10/21/15 11:55	91-94-1	
2,4-Dichlorophenol	<48.7	ug/kg	162	48.7	1	10/21/15 08:58	10/21/15 11:55	120-83-2	
Diethylphthalate	<30.2	ug/kg	101	30.2	1	10/21/15 08:58	10/21/15 11:55	84-66-2	
2,4-Dimethylphenol	<36.0	ug/kg	120	36.0	1	10/21/15 08:58	10/21/15 11:55	105-67-9	
Dimethylphthalate	<23.7	ug/kg	79.1	23.7	1	10/21/15 08:58	10/21/15 11:55	131-11-3	
Di-n-butylphthalate	<27.2	ug/kg	90.8	27.2	1	10/21/15 08:58	10/21/15 11:55	84-74-2	
4,6-Dinitro-2-methylphenol	<56.2	ug/kg	187	56.2	1	10/21/15 08:58	10/21/15 11:55	534-52-1	
2,4-Dinitrophenol	<55.5	ug/kg	185	55.5	1	10/21/15 08:58	10/21/15 11:55	51-28-5	
2,4-Dinitrotoluene	<26.1	ug/kg	86.9	26.1	1	10/21/15 08:58	10/21/15 11:55	121-14-2	
2,6-Dinitrotoluene	<34.6	ug/kg	115	34.6	1	10/21/15 08:58	10/21/15 11:55	606-20-2	
Di-n-octylphthalate	<41.0	ug/kg	137	41.0	1	10/21/15 08:58	10/21/15 11:55	117-84-0	
bis(2-Ethylhexyl)phthalate	<30.3	ug/kg	101	30.3	1	10/21/15 08:58	10/21/15 11:55	117-81-7	
Fluoranthene	<25.8	ug/kg	86.0	25.8	1	10/21/15 08:58	10/21/15 11:55	206-44-0	
Fluorene	<21.3	ug/kg	71.0	21.3	1	10/21/15 08:58	10/21/15 11:55	86-73-7	
Hexachloro-1,3-butadiene	<46.4	ug/kg	155	46.4	1	10/21/15 08:58	10/21/15 11:55	87-68-3	
Hexachlorobenzene	<30.7	ug/kg	102	30.7	1	10/21/15 08:58	10/21/15 11:55	118-74-1	
Hexachlorocyclopentadiene	<43.1	ug/kg	144	43.1	1	10/21/15 08:58	10/21/15 11:55	77-47-4	
Hexachloroethane	<29.2	ug/kg	97.2	29.2	1	10/21/15 08:58	10/21/15 11:55	67-72-1	
Indeno(1,2,3-cd)pyrene	<39.4	ug/kg	131	39.4	1	10/21/15 08:58	10/21/15 11:55	193-39-5	
Isophorone	<28.0	ug/kg	93.4	28.0	1	10/21/15 08:58	10/21/15 11:55	78-59-1	
2-Methylnaphthalene	<47.3	ug/kg	158	47.3	1	10/21/15 08:58	10/21/15 11:55	91-57-6	
2-Methylphenol(o-Cresol)	<33.1	ug/kg	110	33.1	1	10/21/15 08:58	10/21/15 11:55	95-48-7	
3&4-Methylphenol(m&p Cresol)	<33.4	ug/kg	111	33.4	1	10/21/15 08:58	10/21/15 11:55		
Naphthalene	<63.7	ug/kg	212	63.7	1	10/21/15 08:58	10/21/15 11:55	91-20-3	
2-Nitroaniline	<52.0	ug/kg	173	52.0	1	10/21/15 08:58	10/21/15 11:55	88-74-4	
3-Nitroaniline	<31.0	ug/kg	103	31.0	1	10/21/15 08:58	10/21/15 11:55	99-09-2	
4-Nitroaniline	<75.7	ug/kg	252	75.7	1	10/21/15 08:58	10/21/15 11:55	100-01-6	
Nitrobenzene	<37.0	ug/kg	123	37.0	1	10/21/15 08:58	10/21/15 11:55	98-95-3	
2-Nitrophenol	<57.5	ug/kg	192	57.5	1	10/21/15 08:58	10/21/15 11:55	88-75-5	
4-Nitrophenol	<45.9	ug/kg	153	45.9	1	10/21/15 08:58	10/21/15 11:55	100-02-7	
N-Nitroso-di-n-propylamine	<28.9	ug/kg	96.4	28.9	1	10/21/15 08:58	10/21/15 11:55	621-64-7	
N-Nitrosodiphenylamine	<247	ug/kg	825	247	1	10/21/15 08:58	10/21/15 11:55	86-30-6	
2,2'-Oxybis(1-chloropropane)	<47.0	ug/kg	157	47.0	1	10/21/15 08:58	10/21/15 11:55	108-60-1	
Pentachlorophenol	<40.1	ug/kg	134	40.1	1	10/21/15 08:58	10/21/15 11:55	87-86-5	
Phenanthrene	<23.4	ug/kg	78.0	23.4	1	10/21/15 08:58	10/21/15 11:55	85-01-8	
Phenol	<43.3	ug/kg	144	43.3	1	10/21/15 08:58	10/21/15 11:55	108-95-2	
Pyrene	<40.4	ug/kg	135	40.4	1	10/21/15 08:58	10/21/15 11:55	129-00-0	
1,2,4-Trichlorobenzene	<20.6	ug/kg	68.7	20.6	1	10/21/15 08:58	10/21/15 11:55	120-82-1	
2,4,5-Trichlorophenol	<32.2	ug/kg	107	32.2	1	10/21/15 08:58	10/21/15 11:55	95-95-4	
2,4,6-Trichlorophenol	<27.8	ug/kg	92.6	27.8	1	10/21/15 08:58	10/21/15 11:55	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	54	%	45-130		1	10/21/15 08:58	10/21/15 11:55	4165-60-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: PV-1 (0-4)-101315D **Lab ID: 40122822012** Collected: 10/13/15 12:45 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	54	%	51-130		1	10/21/15 08:58	10/21/15 11:55	321-60-8	
Terphenyl-d14 (S)	53	%	37-134		1	10/21/15 08:58	10/21/15 11:55	1718-51-0	
Phenol-d6 (S)	49	%	36-130		1	10/21/15 08:58	10/21/15 11:55	13127-88-3	
2-Fluorophenol (S)	50	%	37-130		1	10/21/15 08:58	10/21/15 11:55	367-12-4	
2,4,6-Tribromophenol (S)	49	%	30-130		1	10/21/15 08:58	10/21/15 11:55	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<5.8	ug/kg	18.6	5.8	1	10/15/15 12:00	10/15/15 22:16	67-64-1	2q
Benzene	<1.5	ug/kg	4.7	1.5	1	10/15/15 12:00	10/15/15 22:16	71-43-2	
Bromodichloromethane	<1.0	ug/kg	4.7	1.0	1	10/15/15 12:00	10/15/15 22:16	75-27-4	
Bromoform	<0.79	ug/kg	4.7	0.79	1	10/15/15 12:00	10/15/15 22:16	75-25-2	
Bromomethane	<1.4	ug/kg	9.3	1.4	1	10/15/15 12:00	10/15/15 22:16	74-83-9	
2-Butanone (MEK)	<2.6	ug/kg	18.6	2.6	1	10/15/15 12:00	10/15/15 22:16	78-93-3	
Carbon disulfide	<1.2	ug/kg	4.7	1.2	1	10/15/15 12:00	10/15/15 22:16	75-15-0	
Carbon tetrachloride	<1.5	ug/kg	4.7	1.5	1	10/15/15 12:00	10/15/15 22:16	56-23-5	
Chlorobenzene	<1.5	ug/kg	4.7	1.5	1	10/15/15 12:00	10/15/15 22:16	108-90-7	
Chloroethane	<1.9	ug/kg	4.7	1.9	1	10/15/15 12:00	10/15/15 22:16	75-00-3	
Chloroform	<0.88	ug/kg	4.7	0.88	1	10/15/15 12:00	10/15/15 22:16	67-66-3	
Chloromethane	<0.52	ug/kg	4.7	0.52	1	10/15/15 12:00	10/15/15 22:16	74-87-3	
Dibromochloromethane	<1.6	ug/kg	4.7	1.6	1	10/15/15 12:00	10/15/15 22:16	124-48-1	
1,1-Dichloroethane	<2.2	ug/kg	4.7	2.2	1	10/15/15 12:00	10/15/15 22:16	75-34-3	
1,2-Dichloroethane	<0.91	ug/kg	4.7	0.91	1	10/15/15 12:00	10/15/15 22:16	107-06-2	
1,1-Dichloroethene	<2.1	ug/kg	4.7	2.1	1	10/15/15 12:00	10/15/15 22:16	75-35-4	
cis-1,2-Dichloroethene	<1.2	ug/kg	4.7	1.2	1	10/15/15 12:00	10/15/15 22:16	156-59-2	
trans-1,2-Dichloroethene	<1.2	ug/kg	4.7	1.2	1	10/15/15 12:00	10/15/15 22:16	156-60-5	
1,2-Dichloropropane	<1.2	ug/kg	4.7	1.2	1	10/15/15 12:00	10/15/15 22:16	78-87-5	
cis-1,3-Dichloropropene	<0.62	ug/kg	4.7	0.62	1	10/15/15 12:00	10/15/15 22:16	10061-01-5	
trans-1,3-Dichloropropene	<0.86	ug/kg	4.7	0.86	1	10/15/15 12:00	10/15/15 22:16	10061-02-6	
Ethylbenzene	<1.3	ug/kg	4.7	1.3	1	10/15/15 12:00	10/15/15 22:16	100-41-4	
2-Hexanone	<1.4	ug/kg	4.7	1.4	1	10/15/15 12:00	10/15/15 22:16	591-78-6	
Methylene Chloride	<1.7	ug/kg	4.7	1.7	1	10/15/15 12:00	10/15/15 22:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	<1.1	ug/kg	4.7	1.1	1	10/15/15 12:00	10/15/15 22:16	108-10-1	
Methyl-tert-butyl ether	<0.93	ug/kg	4.7	0.93	1	10/15/15 12:00	10/15/15 22:16	1634-04-4	
Styrene	<0.71	ug/kg	4.7	0.71	1	10/15/15 12:00	10/15/15 22:16	100-42-5	
1,1,2,2-Tetrachloroethane	<1.9	ug/kg	4.7	1.9	1	10/15/15 12:00	10/15/15 22:16	79-34-5	
Tetrachloroethene	<1.5	ug/kg	4.7	1.5	1	10/15/15 12:00	10/15/15 22:16	127-18-4	
Toluene	<1.4	ug/kg	4.7	1.4	1	10/15/15 12:00	10/15/15 22:16	108-88-3	
1,1,1-Trichloroethane	<1.4	ug/kg	4.7	1.4	1	10/15/15 12:00	10/15/15 22:16	71-55-6	
1,1,2-Trichloroethane	<1.8	ug/kg	4.7	1.8	1	10/15/15 12:00	10/15/15 22:16	79-00-5	
Trichloroethene	<1.8	ug/kg	4.7	1.8	1	10/15/15 12:00	10/15/15 22:16	79-01-6	
Vinyl chloride	<0.51	ug/kg	4.7	0.51	1	10/15/15 12:00	10/15/15 22:16	75-01-4	
Xylene (Total)	<4.2	ug/kg	14.0	4.2	1	10/15/15 12:00	10/15/15 22:16	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	106	%	70-130		1	10/15/15 12:00	10/15/15 22:16	1868-53-7	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: PV-1 (0-4)-101315D **Lab ID: 40122822012** Collected: 10/13/15 12:45 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	108	%	67-138		1	10/15/15 12:00	10/15/15 22:16	2037-26-5	
4-Bromofluorobenzene (S)	86	%	68-130		1	10/15/15 12:00	10/15/15 22:16	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	8.4	%	0.10	0.10	1		10/14/15 18:06		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	6.46	Std. Units	0.100	0.0100	1		10/15/15 19:15		H6

Revised 11/05/15 16:33

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: PV-2 (0-4)-101315 Lab ID: 40122822013 Collected: 10/13/15 13:25 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.10	mg/kg	3.1	0.10	1	10/19/15 08:23	10/21/15 16:50	7440-36-0	
Arsenic	7.4	mg/kg	1.0	0.29	1	10/19/15 08:23	10/21/15 16:50	7440-38-2	
Barium	62.2	mg/kg	20.9	0.27	1	10/19/15 08:23	10/21/15 16:50	7440-39-3	
Beryllium	0.46J	mg/kg	0.52	0.083	1	10/19/15 08:23	10/21/15 16:50	7440-41-7	
Cadmium	0.21J	mg/kg	0.52	0.067	1	10/19/15 08:23	10/21/15 16:50	7440-43-9	
Calcium	2390	mg/kg	105	2.8	1	10/19/15 08:23	10/21/15 16:50	7440-70-2	
Chromium	22.1	mg/kg	1.0	0.32	1	10/19/15 08:23	10/21/15 16:50	7440-47-3	
Cobalt	12.0	mg/kg	1.0	0.14	1	10/19/15 08:23	10/21/15 16:50	7440-48-4	
Copper	27.4	mg/kg	1.0	0.38	1	10/19/15 08:23	10/21/15 16:50	7440-50-8	
Iron	23900	mg/kg	5.2	0.81	1	10/19/15 08:23	10/21/15 16:50	7439-89-6	
Lead	16.7	mg/kg	0.52	0.29	1	10/19/15 08:23	10/21/15 16:50	7439-92-1	
Magnesium	4280	mg/kg	105	3.0	1	10/19/15 08:23	10/21/15 16:50	7439-95-4	
Manganese	297	mg/kg	1.0	0.20	1	10/19/15 08:23	10/21/15 16:50	7439-96-5	
Nickel	21.7	mg/kg	4.2	1.1	1	10/19/15 08:23	10/21/15 16:50	7440-02-0	
Potassium	1130	mg/kg	105	3.3	1	10/19/15 08:23	10/21/15 16:50	7440-09-7	
Selenium	<0.21	mg/kg	2.1	0.21	1	10/19/15 08:23	10/21/15 16:50	7782-49-2	
Silver	<0.074	mg/kg	1.0	0.074	1	10/19/15 08:23	10/21/15 16:50	7440-22-4	
Sodium	51.2J	mg/kg	105	17.6	1	10/19/15 08:23	10/21/15 16:50	7440-23-5	
Thallium	<0.15	mg/kg	0.52	0.15	1	10/19/15 08:23	10/21/15 16:50	7440-28-0	
Vanadium	43.3	mg/kg	5.2	0.32	1	10/19/15 08:23	10/21/15 16:50	7440-62-2	
Zinc	55.0	mg/kg	2.1	0.49	1	10/19/15 08:23	10/21/15 16:50	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/18/15 11:00

Arsenic	0.0097J	mg/L	0.010	0.0026	1	10/20/15 07:44	10/21/15 11:57	7440-38-2	
Barium	0.14J	mg/L	0.20	0.0037	1	10/20/15 07:44	10/21/15 11:57	7440-39-3	
Beryllium	0.00043J	mg/L	0.0050	0.00025	1	10/20/15 07:44	10/21/15 11:57	7440-41-7	
Cadmium	<0.00027	mg/L	0.0050	0.00027	1	10/20/15 07:44	10/21/15 11:57	7440-43-9	
Chromium	0.020	mg/L	0.010	0.0018	1	10/20/15 07:44	10/21/15 11:57	7440-47-3	
Cobalt	0.0059J	mg/L	0.010	0.00050	1	10/20/15 07:44	10/21/15 11:57	7440-48-4	
Copper	0.030	mg/L	0.010	0.0024	1	10/20/15 07:44	10/21/15 11:57	7440-50-8	
Iron	22.7	mg/L	0.050	0.0073	1	10/20/15 07:44	10/21/15 11:57	7439-89-6	
Lead	0.014	mg/L	0.0050	0.00084	1	10/20/15 07:44	10/21/15 11:57	7439-92-1	
Manganese	0.20	mg/L	0.010	0.00065	1	10/20/15 07:44	10/21/15 11:57	7439-96-5	
Nickel	0.021J	mg/L	0.040	0.00041	1	10/20/15 07:44	10/21/15 11:57	7440-02-0	
Selenium	<0.0024	mg/L	0.020	0.0024	1	10/20/15 07:44	10/21/15 11:57	7782-49-2	
Silver	<0.00032	mg/L	0.010	0.00032	1	10/20/15 07:44	10/21/15 11:57	7440-22-4	
Zinc	0.068	mg/L	0.020	0.00076	1	10/20/15 07:44	10/21/15 11:57	7440-66-6	B

6010 Metals, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/21/15 17:00

Arsenic	<0.0053	mg/L	0.20	0.0053	1	10/22/15 12:12	10/22/15 16:49	7440-38-2	
Barium	0.32J	mg/L	2.0	0.0010	1	10/22/15 12:12	10/22/15 16:49	7440-39-3	B
Beryllium	<0.00050	mg/L	0.20	0.00050	1	10/22/15 12:12	10/22/15 16:49	7440-41-7	
Cadmium	<0.00054	mg/L	0.10	0.00054	1	10/22/15 12:12	10/22/15 16:49	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: PV-2 (0-4)-101315 **Lab ID: 40122822013** Collected: 10/13/15 13:25 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Chromium	0.0038J	mg/L	0.20	0.0037	1	10/22/15 12:12	10/22/15 16:49	7440-47-3	
Cobalt	<0.0010	mg/L	0.20	0.0010	1	10/22/15 12:12	10/22/15 16:49	7440-48-4	
Copper	0.021J	mg/L	0.20	0.0048	1	10/22/15 12:12	10/22/15 16:49	7440-50-8	B
Iron	0.83J	mg/L	1.0	0.015	1	10/22/15 12:12	10/22/15 16:49	7439-89-6	
Lead	<0.0017	mg/L	0.20	0.0017	1	10/22/15 12:12	10/22/15 16:49	7439-92-1	
Manganese	0.056J	mg/L	0.13	0.0013	1	10/22/15 12:12	10/22/15 16:49	7439-96-5	B
Nickel	0.0044J	mg/L	0.20	0.00082	1	10/22/15 12:12	10/22/15 16:49	7440-02-0	
Selenium	<0.0049	mg/L	0.20	0.0049	1	10/22/15 12:12	10/22/15 16:49	7782-49-2	
Silver	<0.00065	mg/L	0.20	0.00065	1	10/22/15 12:12	10/22/15 16:49	7440-22-4	
Zinc	0.16J	mg/L	0.20	0.0015	1	10/22/15 12:12	10/22/15 16:49	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/18/15 11:00									
Mercury	0.000050J	mg/L	0.00020	0.000024	1	10/20/15 07:58	10/21/15 10:49	7439-97-6	B
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Mercury	<0.000024	mg/L	0.00020	0.000024	1	10/22/15 12:12	10/22/15 16:01	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.042	mg/kg	0.017	0.0083	1	10/19/15 09:47	10/20/15 15:35	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<70.6	ug/kg	235	70.6	1	10/16/15 09:58	10/19/15 12:51	83-32-9	
Acenaphthylene	<71.0	ug/kg	237	71.0	1	10/16/15 09:58	10/19/15 12:51	208-96-8	
Anthracene	<31.8	ug/kg	106	31.8	1	10/16/15 09:58	10/19/15 12:51	120-12-7	
Benzo(a)anthracene	<30.8	ug/kg	103	30.8	1	10/16/15 09:58	10/19/15 12:51	56-55-3	
Benzo(a)pyrene	<30.0	ug/kg	99.8	30.0	1	10/16/15 09:58	10/19/15 12:51	50-32-8	
Benzo(b)fluoranthene	<34.2	ug/kg	114	34.2	1	10/16/15 09:58	10/19/15 12:51	205-99-2	
Benzo(g,h,i)perylene	<52.1	ug/kg	174	52.1	1	10/16/15 09:58	10/19/15 12:51	191-24-2	
Benzo(k)fluoranthene	<47.7	ug/kg	159	47.7	1	10/16/15 09:58	10/19/15 12:51	207-08-9	
4-Bromophenylphenyl ether	<41.7	ug/kg	139	41.7	1	10/16/15 09:58	10/19/15 12:51	101-55-3	
Butylbenzylphthalate	<31.9	ug/kg	106	31.9	1	10/16/15 09:58	10/19/15 12:51	85-68-7	
Carbazole	<31.2	ug/kg	104	31.2	1	10/16/15 09:58	10/19/15 12:51	86-74-8	
4-Chloro-3-methylphenol	<61.9	ug/kg	206	61.9	1	10/16/15 09:58	10/19/15 12:51	59-50-7	
4-Chloroaniline	<32.7	ug/kg	109	32.7	1	10/16/15 09:58	10/19/15 12:51	106-47-8	
bis(2-Chloroethoxy)methane	<53.6	ug/kg	179	53.6	1	10/16/15 09:58	10/19/15 12:51	111-91-1	
bis(2-Chloroethyl) ether	<62.1	ug/kg	207	62.1	1	10/16/15 09:58	10/19/15 12:51	111-44-4	
2-Chloronaphthalene	<25.6	ug/kg	85.2	25.6	1	10/16/15 09:58	10/19/15 12:51	91-58-7	
2-Chlorophenol	<49.7	ug/kg	166	49.7	1	10/16/15 09:58	10/19/15 12:51	95-57-8	
4-Chlorophenylphenyl ether	<37.1	ug/kg	124	37.1	1	10/16/15 09:58	10/19/15 12:51	7005-72-3	
Chrysene	<29.8	ug/kg	99.2	29.8	1	10/16/15 09:58	10/19/15 12:51	218-01-9	
Dibenz(a,h)anthracene	<54.1	ug/kg	180	54.1	1	10/16/15 09:58	10/19/15 12:51	53-70-3	
Dibenzofuran	<24.1	ug/kg	80.3	24.1	1	10/16/15 09:58	10/19/15 12:51	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: PV-2 (0-4)-101315 **Lab ID: 40122822013** Collected: 10/13/15 13:25 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<62.6	ug/kg	209	62.6	1	10/16/15 09:58	10/19/15 12:51	95-50-1	
1,3-Dichlorobenzene	<27.6	ug/kg	91.9	27.6	1	10/16/15 09:58	10/19/15 12:51	541-73-1	
1,4-Dichlorobenzene	<27.7	ug/kg	92.4	27.7	1	10/16/15 09:58	10/19/15 12:51	106-46-7	
3,3'-Dichlorobenzidine	<54.0	ug/kg	180	54.0	1	10/16/15 09:58	10/19/15 12:51	91-94-1	
2,4-Dichlorophenol	<53.2	ug/kg	177	53.2	1	10/16/15 09:58	10/19/15 12:51	120-83-2	
Diethylphthalate	<33.0	ug/kg	110	33.0	1	10/16/15 09:58	10/19/15 12:51	84-66-2	
2,4-Dimethylphenol	<39.4	ug/kg	131	39.4	1	10/16/15 09:58	10/19/15 12:51	105-67-9	
Dimethylphthalate	<25.9	ug/kg	86.3	25.9	1	10/16/15 09:58	10/19/15 12:51	131-11-3	
Di-n-butylphthalate	<29.8	ug/kg	99.2	29.8	1	10/16/15 09:58	10/19/15 12:51	84-74-2	
4,6-Dinitro-2-methylphenol	<61.4	ug/kg	205	61.4	1	10/16/15 09:58	10/19/15 12:51	534-52-1	
2,4-Dinitrophenol	<60.6	ug/kg	202	60.6	1	10/16/15 09:58	10/19/15 12:51	51-28-5	
2,4-Dinitrotoluene	<28.5	ug/kg	94.9	28.5	1	10/16/15 09:58	10/19/15 12:51	121-14-2	
2,6-Dinitrotoluene	<37.8	ug/kg	126	37.8	1	10/16/15 09:58	10/19/15 12:51	606-20-2	
Di-n-octylphthalate	<44.8	ug/kg	149	44.8	1	10/16/15 09:58	10/19/15 12:51	117-84-0	
bis(2-Ethylhexyl)phthalate	<33.1	ug/kg	110	33.1	1	10/16/15 09:58	10/19/15 12:51	117-81-7	
Fluoranthene	<28.2	ug/kg	93.9	28.2	1	10/16/15 09:58	10/19/15 12:51	206-44-0	
Fluorene	<23.3	ug/kg	77.6	23.3	1	10/16/15 09:58	10/19/15 12:51	86-73-7	
Hexachloro-1,3-butadiene	<50.7	ug/kg	169	50.7	1	10/16/15 09:58	10/19/15 12:51	87-68-3	
Hexachlorobenzene	<33.5	ug/kg	112	33.5	1	10/16/15 09:58	10/19/15 12:51	118-74-1	
Hexachlorocyclopentadiene	<47.1	ug/kg	157	47.1	1	10/16/15 09:58	10/19/15 12:51	77-47-4	
Hexachloroethane	<31.9	ug/kg	106	31.9	1	10/16/15 09:58	10/19/15 12:51	67-72-1	
Indeno(1,2,3-cd)pyrene	<43.1	ug/kg	144	43.1	1	10/16/15 09:58	10/19/15 12:51	193-39-5	
Isophorone	<30.6	ug/kg	102	30.6	1	10/16/15 09:58	10/19/15 12:51	78-59-1	
2-Methylnaphthalene	<51.7	ug/kg	172	51.7	1	10/16/15 09:58	10/19/15 12:51	91-57-6	
2-Methylphenol(o-Cresol)	<36.2	ug/kg	121	36.2	1	10/16/15 09:58	10/19/15 12:51	95-48-7	
3&4-Methylphenol(m&p Cresol)	<36.5	ug/kg	122	36.5	1	10/16/15 09:58	10/19/15 12:51		
Naphthalene	<69.6	ug/kg	232	69.6	1	10/16/15 09:58	10/19/15 12:51	91-20-3	
2-Nitroaniline	<56.7	ug/kg	189	56.7	1	10/16/15 09:58	10/19/15 12:51	88-74-4	
3-Nitroaniline	<33.9	ug/kg	113	33.9	1	10/16/15 09:58	10/19/15 12:51	99-09-2	
4-Nitroaniline	<82.6	ug/kg	275	82.6	1	10/16/15 09:58	10/19/15 12:51	100-01-6	
Nitrobenzene	<40.4	ug/kg	135	40.4	1	10/16/15 09:58	10/19/15 12:51	98-95-3	
2-Nitrophenol	<62.8	ug/kg	209	62.8	1	10/16/15 09:58	10/19/15 12:51	88-75-5	
4-Nitrophenol	<50.1	ug/kg	167	50.1	1	10/16/15 09:58	10/19/15 12:51	100-02-7	
N-Nitroso-di-n-propylamine	<31.6	ug/kg	105	31.6	1	10/16/15 09:58	10/19/15 12:51	621-64-7	
N-Nitrosodiphenylamine	<270	ug/kg	900	270	1	10/16/15 09:58	10/19/15 12:51	86-30-6	
2,2'-Oxybis(1-chloropropane)	<51.3	ug/kg	171	51.3	1	10/16/15 09:58	10/19/15 12:51	108-60-1	
Pentachlorophenol	<43.8	ug/kg	146	43.8	1	10/16/15 09:58	10/19/15 12:51	87-86-5	
Phenanthrene	<25.5	ug/kg	85.1	25.5	1	10/16/15 09:58	10/19/15 12:51	85-01-8	
Phenol	<47.2	ug/kg	157	47.2	1	10/16/15 09:58	10/19/15 12:51	108-95-2	
Pyrene	<44.1	ug/kg	147	44.1	1	10/16/15 09:58	10/19/15 12:51	129-00-0	
1,2,4-Trichlorobenzene	<22.5	ug/kg	75.0	22.5	1	10/16/15 09:58	10/19/15 12:51	120-82-1	
2,4,5-Trichlorophenol	<35.2	ug/kg	117	35.2	1	10/16/15 09:58	10/19/15 12:51	95-95-4	
2,4,6-Trichlorophenol	<30.4	ug/kg	101	30.4	1	10/16/15 09:58	10/19/15 12:51	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	67	%	45-130		1	10/16/15 09:58	10/19/15 12:51	4165-60-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: PV-2 (0-4)-101315 **Lab ID: 40122822013** Collected: 10/13/15 13:25 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

2-Fluorobiphenyl (S)	59	%	51-130		1	10/16/15 09:58	10/19/15 12:51	321-60-8	
Terphenyl-d14 (S)	58	%	37-134		1	10/16/15 09:58	10/19/15 12:51	1718-51-0	
Phenol-d6 (S)	52	%	36-130		1	10/16/15 09:58	10/19/15 12:51	13127-88-3	
2-Fluorophenol (S)	55	%	37-130		1	10/16/15 09:58	10/19/15 12:51	367-12-4	
2,4,6-Tribromophenol (S)	54	%	30-130		1	10/16/15 09:58	10/19/15 12:51	118-79-6	

8260 MSV 5035 Low Level

Analytical Method: EPA 8260 Preparation Method: EPA 8260

Acetone	<5.6	ug/kg	18.0	5.6	1	10/15/15 12:00	10/15/15 22:39	67-64-1	2q
Benzene	<1.4	ug/kg	4.5	1.4	1	10/15/15 12:00	10/15/15 22:39	71-43-2	
Bromodichloromethane	<0.99	ug/kg	4.5	0.99	1	10/15/15 12:00	10/15/15 22:39	75-27-4	
Bromoform	<0.76	ug/kg	4.5	0.76	1	10/15/15 12:00	10/15/15 22:39	75-25-2	
Bromomethane	<1.3	ug/kg	9.0	1.3	1	10/15/15 12:00	10/15/15 22:39	74-83-9	
2-Butanone (MEK)	<2.6	ug/kg	18.0	2.6	1	10/15/15 12:00	10/15/15 22:39	78-93-3	
Carbon disulfide	<1.2	ug/kg	4.5	1.2	1	10/15/15 12:00	10/15/15 22:39	75-15-0	
Carbon tetrachloride	<1.4	ug/kg	4.5	1.4	1	10/15/15 12:00	10/15/15 22:39	56-23-5	
Chlorobenzene	<1.4	ug/kg	4.5	1.4	1	10/15/15 12:00	10/15/15 22:39	108-90-7	
Chloroethane	<1.8	ug/kg	4.5	1.8	1	10/15/15 12:00	10/15/15 22:39	75-00-3	
Chloroform	<0.85	ug/kg	4.5	0.85	1	10/15/15 12:00	10/15/15 22:39	67-66-3	
Chloromethane	<0.51	ug/kg	4.5	0.51	1	10/15/15 12:00	10/15/15 22:39	74-87-3	
Dibromochloromethane	<1.5	ug/kg	4.5	1.5	1	10/15/15 12:00	10/15/15 22:39	124-48-1	
1,1-Dichloroethane	<2.1	ug/kg	4.5	2.1	1	10/15/15 12:00	10/15/15 22:39	75-34-3	
1,2-Dichloroethane	<0.88	ug/kg	4.5	0.88	1	10/15/15 12:00	10/15/15 22:39	107-06-2	
1,1-Dichloroethene	<2.0	ug/kg	4.5	2.0	1	10/15/15 12:00	10/15/15 22:39	75-35-4	
cis-1,2-Dichloroethene	<1.2	ug/kg	4.5	1.2	1	10/15/15 12:00	10/15/15 22:39	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/kg	4.5	1.1	1	10/15/15 12:00	10/15/15 22:39	156-60-5	
1,2-Dichloropropane	<1.1	ug/kg	4.5	1.1	1	10/15/15 12:00	10/15/15 22:39	78-87-5	
cis-1,3-Dichloropropene	<0.60	ug/kg	4.5	0.60	1	10/15/15 12:00	10/15/15 22:39	10061-01-5	
trans-1,3-Dichloropropene	<0.83	ug/kg	4.5	0.83	1	10/15/15 12:00	10/15/15 22:39	10061-02-6	
Ethylbenzene	<1.3	ug/kg	4.5	1.3	1	10/15/15 12:00	10/15/15 22:39	100-41-4	
2-Hexanone	<1.3	ug/kg	4.5	1.3	1	10/15/15 12:00	10/15/15 22:39	591-78-6	
Methylene Chloride	<1.7	ug/kg	4.5	1.7	1	10/15/15 12:00	10/15/15 22:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	<1.1	ug/kg	4.5	1.1	1	10/15/15 12:00	10/15/15 22:39	108-10-1	
Methyl-tert-butyl ether	<0.90	ug/kg	4.5	0.90	1	10/15/15 12:00	10/15/15 22:39	1634-04-4	
Styrene	<0.68	ug/kg	4.5	0.68	1	10/15/15 12:00	10/15/15 22:39	100-42-5	
1,1,2,2-Tetrachloroethane	<1.9	ug/kg	4.5	1.9	1	10/15/15 12:00	10/15/15 22:39	79-34-5	
Tetrachloroethene	<1.4	ug/kg	4.5	1.4	1	10/15/15 12:00	10/15/15 22:39	127-18-4	
Toluene	<1.3	ug/kg	4.5	1.3	1	10/15/15 12:00	10/15/15 22:39	108-88-3	
1,1,1-Trichloroethane	<1.4	ug/kg	4.5	1.4	1	10/15/15 12:00	10/15/15 22:39	71-55-6	
1,1,2-Trichloroethane	<1.7	ug/kg	4.5	1.7	1	10/15/15 12:00	10/15/15 22:39	79-00-5	
Trichloroethene	<1.7	ug/kg	4.5	1.7	1	10/15/15 12:00	10/15/15 22:39	79-01-6	
Vinyl chloride	<0.49	ug/kg	4.5	0.49	1	10/15/15 12:00	10/15/15 22:39	75-01-4	
Xylene (Total)	<4.0	ug/kg	13.5	4.0	1	10/15/15 12:00	10/15/15 22:39	1330-20-7	

Surrogates

Dibromofluoromethane (S)	104	%	70-130		1	10/15/15 12:00	10/15/15 22:39	1868-53-7	
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: PV-2 (0-4)-101315 **Lab ID: 40122822013** Collected: 10/13/15 13:25 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	107	%	67-138		1	10/15/15 12:00	10/15/15 22:39	2037-26-5	
4-Bromofluorobenzene (S)	92	%	68-130		1	10/15/15 12:00	10/15/15 22:39	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	16.1	%	0.10	0.10	1		10/14/15 18:06		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	6.36	Std. Units	0.100	0.0100	1		10/15/15 19:15		H6

Revised 11/05/15 16:33

REPORT OF LABORATORY ANALYSIS

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www.faceanals.com

UPPER MIDWEST REGION
Phone: 612-607-1700
WI: 920-469-2436

Page 1 of 1
41022822

CHAIN OF CUSTODY

Preservation Codes
 A=None B=HCl C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
 (YES/NO)
PRESERVATION
 (CODE)

Company Name: **EDI**
 Branch/Location:
 Project Contact: **Patricia/Colin**
 Phone: **312-345-1900**
 Project Number: **10295.0201**
 Project Name: **FAI 55**
 Project State:
 Sampled By (Print): **Colin**
 Sampled By (Sign): *[Signature]*
 PO #:
 Regulatory Program:

Data Package Options
 EPA Level III
 EPA Level IV
 On your sample (billable)
 NOT needed on your sample
MS/MSD
 A = Air
 B = Biota
 C = Charcoal
 O = Oil
 S = Soil
 SI = Sludge
 W = Water
 DW = Drinking Water
 GW = Ground Water
 SW = Surface Water
 WW = Waste Water
 WP = Wipe

PAGE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Analyses Requested	Y / N	Pick Letter
		DATE	TIME				
001	SR-1(6-2)-101315	10/1/15	0850	61	VOCs	X	
002	SR-2(6-2)-101315		0905		SVOCs	X	
003	SR-2(6-2)-101315		0910		Total Metals	X	
004	SR-3(6-2)-101315		0930		TCLP Metals	X	
005	SR-4(6-2)-101315		0940		SPLP Metals	X	
006	SR-5(6-2)-101315		1000		PH	X	
007	SR-12(6-4)-101315		1045			X	
008	SR-13(6-3)-101315		1105			X	
009	VU-1(6-3)-101315		1125			X	
010	VU-2(6-3)-101315		1140			X	
011	PV-1(6-4)-101315		1245			X	
012	PV-1(6-4)-101315		1245			X	
013	PV-2(6-4)-101315		1325			X	

Relinquished By:	Date/Time:	Received By:	Date/Time:
<i>[Signature]</i>	10/1/15 1541	<i>[Signature]</i>	10/1/15 1344
<i>[Signature]</i>	10/1/15 1730	<i>[Signature]</i>	10/1/15
<i>[Signature]</i>	10/1/15 1000	<i>[Signature]</i>	10/1/15 1000

Quote #:

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS
3-40mg EE 3-40mg A

LAB COMMENTS
(Lab Use Only)

Profile #

Receipt Temp = 51.04 °C
 Sample Receipt pH
 OK / Adjusted
 Cooler Custody Seal
 Present / Not Present
 Intact / Not Intact

(Please Print Clearly)

Company Name: **EDT**
 Branch/Location:
 Project Contact: **Patricia/Colin**
 Phone:
 Project Number: **0295020**
 Project Name: **IDT 035-056**
 Project State: **Illinois**
 Sampled By (Print): **Margaret Deveny-Skl**
 Sampled By (Sign): *Margaret Deveny-Skl*
 PO #:
 Regulatory Program:

Data Package Options (billable):
 EPA Level III
 EPA Level IV
 On your sample (billable)
 NOT needed on your sample

Matrix Codes:
 A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Analyses Requested	Y/N	Pick Letter
D14	SR-11(0-4)-101315	10-13-15	0845	S	VOCS	X	EF
D15	SR-11(0-4)-101315D	10-13-15	0845	S	SUOCS	X	A
D16	SR-10(0-4)-101315	10-13-15	0915	S	Total Metals	X	A
D17	SR-9(0-4)-101315	10-13-15	0920	S	TCLP Metals	X	A
D18	SR-8(0-5)-101315	10-13-15	0935	S	SPLP Metals	X	A
D19	SR-7(0-5)-101315	10-13-15	0950	S	DM	X	A
D20	SR-7(5-9)-101315	10-13-15	0955	S		X	
D21	SR-6(0-7)-101315	10-13-15	1018	S		X	
D22	SR-6(7-14)-101315	10-13-15	1024	S		X	
D23	AL2-16(0-5)-101315	10-13-15	1115	S		X	
D24	AL2-16(5-9)-101315	10-13-15	1120	S		X	
D25	AL1-1(0-5)-101315	10-13-15	1140	S		X	
D26	AL1-1(0-5)-101315D	10-13-15	1140	S		X	

Transmit Prelim Rush Results by (complete what you want):
 Date Needed:
 Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Requisitioned By: *[Signature]* Date/Time: 10-13-15 1540
 Received By: *[Signature]* Date/Time: 10-13-15 1540
 Requisitioned By: *[Signature]* Date/Time: 10-13-15 1730
 Received By: *[Signature]* Date/Time: 10-13-15 1730
 Requisitioned By: *[Signature]* Date/Time: 10-13-15 1740
 Received By: *[Signature]* Date/Time: 10-13-15 1740

Quote #: **41022832**
 Mail To Contact:
 Mail To Company:
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS: **3-40mlv EF 3-402ag A**
 LAB COMMENTS (Lab Use Only):
 Profile #
 Receipt Temp: **5.10, 4 °C**
 Sample Receipt pH:
 OK / Adjusted
 Cooler/Custody Seal Present / Not Present
 Intact / Not Intact



CHAIN OF CUSTODY

UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436
 Preservation Codes: A=None, B=HCL, C=H2SO4, D=HNO3, E=DI Water, F=Methanol, G=NaOH, H=Sodium Bisulfate Solution, I=Sodium Thiosulfate, J=Other

(Please Print Clearly)

Company Name: EDI
Branch/Location:
Project Contact: Patricia/Colin
Phone:
Project Number: 0295.020
Project Name: DOT 035 USE ET-SS
Project State: Illinois
Sampled By (Print): Margaret Dehew-Skull
Sampled By (Sign): *[Signature]*
PO #: *[Signature]*

CHAIN OF CUSTODY



UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Regulatory Program:
Matrix Codes
A = Air B = Biot B = Biota
C = Charcoal O = Oil S = Soil
SI = Sludge
WV = Water DW = Drinking Water
GW = Ground Water SW = Surface Water
WW = Waste Water WP = Wipe

Y/N	Pick Label	VOCs	SUOCs	Total Metals	Trace Metals	SPM Metals	pH
N	EF	X	X	X	X	X	X
N	A	X	X	X	X	X	X
N	D	X	X	X	X	X	X
N	D	X	X	X	X	X	X
N	A	X	X	X	X	X	X
N	A	X	X	X	X	X	X

Analyses Requested
VOCs
SUOCs
Total Metals
Trace Metals
SPM Metals
pH

DATA PACKAGE OPTIONS (billable)	MS/MSD (billable)	CLIENT FIELD ID	DATE	TIME	MATRIX
<input type="checkbox"/> EPA Level III <input type="checkbox"/> EPA Level IV	<input type="checkbox"/> On your sample (billable) <input type="checkbox"/> NOT needed on your sample	027 ALI-4(0-5)-101315	10-13-15	1325	S
		028 ALI-4(5-9)-101315	10-13-15	1330	S
		029 ALI-5(0-5)-101315	10-13-15	1345	S
		030 ALI-5(5-9)-101315	10-13-15	1350	S
		031 ALI-6(0-5)-101315	10-13-15	1424	S
		032 ALI-6(0-5)-101315	10-13-15	1430	S
		033 ALI-6(5-9)-101315	10-13-15	1439	S
		034 RC-1(0-7)-101315	10-13-15	1447	S
		035 RC-2(0-5)-101315	10-13-15	1505	S
		036 RC-2(5-9)-101315	10-13-15	1510	S
		037 RC-3(0-7)-101315	10-13-15	1520	S

Relinquished By:	Date/Time:	Received By:	Date/Time:
<i>[Signature]</i>	10-13-2015 1530	<i>[Signature]</i>	10-13-2015 1540
<i>[Signature]</i>	10-13-2015 1730	<i>[Signature]</i>	10-13-2015 1740
<i>[Signature]</i>	10-14-2015 1000	<i>[Signature]</i>	10-14-2015 1000

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)
3-40ml VEEF	3-4022g
	LAST ITEM

Receipt Temp = 51.04 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present
Intact / Not Intact

40132822

(Please Print Clearly)



CHAIN OF CUSTODY

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Reservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Filtered? (YES/NO)
Preservation (CODE)*

Company Name: EDI
 Branch/Location:
 Project Contact: Patricia Goin
 Phone:
 Project Number: 029 5 020
 Project Name: IDOT 035-USE 01-SS
 Project State: Illinois
 Sampled By (Print): Margaret Doherty-Skubic
 Sampled By (Sign): *Margaret Doherty-Skubic*
 PO #:
 Regulatory Program:

Data Package Options (billable)
 EPA Level III
 EPA Level IV
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Bids DW = Drinking Water
 C = Charcoal GW = Ground Water
 D = Oil SW = Surface Water
 S = Soil WW = Waste Water
 Sl = Sludge WP = Wipe

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX
D38	AL-1(5-9)-101315	10-13-15	1150	S
D39	AL-2(10-5)-101315	10-13-15	1212	S
D40	AL-2(5-9)-101315	10-13-15	1218	S
D41	AL-3(6-5)-101315	10-13-15	1253	S
D42	AL-3(5-9)-101315	10-13-15	1258	S

Analyses Requested	V/I/N	
	Pick Letter	
VOCS	E	F
SVOCs	A	
TOTAL Metals	A	
TEP Metals	A	
SPLP Metals	A	
PH	A	

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed:
 Transmit Prelim Rush Results by (complete what you want):
 Email #1:
 Email #2:
 Telephone:
 Fax:
 Samples on HOLD are subject to special pricing and release of liability

Relinquished By: *Patricia Goin* Date/Time: 10-13-2015 1640
 Relinquished By: *Patricia Goin* Date/Time: 10-13-2015 1640
 Relinquished By: *Patricia Goin* Date/Time: 10-13-2015 1640
 Relinquished By: *Patricia Goin* Date/Time: 10-13-2015 1640

Received By: *Patricia Goin* Date/Time: 10-13-2015 1640
 Received By: *Patricia Goin* Date/Time: 10-13-2015 1640
 Received By: *Patricia Goin* Date/Time: 10-13-2015 1640
 Received By: *Patricia Goin* Date/Time: 10-13-2015 1640

Receipt Temp - 51.04 °C
 Sample Receipt pH
 OK / Adjusted
 Cooler/Custody Seal Present / Not Present
 Intact / Not Intact

CLIENT COMMENTS: 3-40MVEEF 3-402297
 LAB COMMENTS (Lab Use Only):
 Profile #
 LAST ITEM



Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Project #:

WO#: 40122822



40122822

Client Name: EDI

Courier: Fed Ex UPS Client Pace Other: CS LOGISTICS

Tracking #:

Custody Seal on Cooler/Box Present: X yes no Seals intact: X yes no

Custody Seal on Samples Present: yes X no Seals intact: yes no

Packing Material: Bubble Wrap X Bubble Bags None Other

Thermometer Used SPLA Type of Ice: Wet Blue Dry None X Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 5.60.4 / Corr: 5.10.4 Biological Tissue is Frozen: yes

Temp Blank Present: X yes no

Person examining contents:
Date: 10/14/15
Initials: [Signature]

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows of checklist items including Chain of Custody Present, Short Hold Time Analysis, Rush Turn Around Time Requested, Sufficient Volume, Correct Containers Used, Containers Intact, Sample Labels match COC, All containers needing preservation have been checked, Headspace in VOA Vials, Trip Blank Present, and Pace Trip Blank Lot #.

Handwritten notes: 015 lot jars collect time 0552, 025 lot 3 jars no collect time, 034 lot 3 vials no collect date or time, 036 no collect time on 10/13 vials, 037 no collect time on 10/13 jars

Client Notification/ Resolution: Person Contacted: Date/Time: If checked, see attached form for additional comments

Comments/ Resolution: 040 lot 3 vials collect time 1212, 042 lot 3 jars no collect date 10/14/15, 025 lot 3 jars no collect time

Project Manager Review: [Signature] Date: 10/14/15

November 05, 2015

Patricia Feeley, P.G.
Environmental Design International Inc.
33 West Monroe Street
Suite 1825
Chicago, IL 606035326

RE: Project: 0295.020 FAI 55
Pace Project No.: 40122890

Dear Patricia Feeley, P.G.:

Enclosed are the analytical results for sample(s) received by the laboratory on October 15, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Brian Basten for
Laurie Woelfel
laurie.woelfel@pacelabs.com
Project Manager

Enclosures

cc: Andrew Dorn, Environmental Design
Colin Pannier, Environmental Design



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0295.020 FAI 55
Pace Project No.: 40122890

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

New Orleans Certification IDs

California Env. Lab Accreditation Program Branch:
11277CA
Florida Department of Health (NELAC): E87595
Illinois Environmental Protection Agency: 0025721
Kansas Department of Health and Environment (NELAC):
E-10266
Louisiana Dept. of Environmental Quality (NELAC/LELAP):
02006

Pennsylvania Dept. of Env Protection (NELAC): 68-04202
Texas Commission on Env. Quality (NELAC):
T104704405-09-TX
U.S. Dept. of Agriculture Foreign Soil Import: P330-10-
00119

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263

North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP ID: 460263
Virginia VELAP Certification ID: 460263
Wisconsin Certification #: 405132750

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #E-10177
Kentucky UST Certification #: 0042
Kentucky WW Certification #:98019
Louisiana Certification #: 04076

Ohio VAP Certification #: CL-0065
Oklahoma Certification #: 2014-148
Texas Certification #: T104704355-15-9
West Virginia Certification #: 330
Wisconsin Certification #: 999788130
USDA Soil Permit #: P330-10-00128

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
WY STR Certification #: 2456.01
Arkansas Certification #: 15-016-0

Illinois Certification #: 003097
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: PV-3 (0-6)-101415 Lab ID: 40122890027 Collected: 10/14/15 07:50 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010C MET ICP, TCLP									
Analytical Method: EPA 6010C Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/21/15 08:22 Initial pH: 9.15; Final pH: 5.36									
Arsenic	0.027J	mg/L	0.10	0.020	1	10/21/15 10:29	10/21/15 17:37	7440-38-2	
Barium	0.21J	mg/L	0.50	0.0061	1	10/21/15 10:29	10/21/15 17:37	7440-39-3	B
Beryllium	<2.9	ug/L	25.0	2.9	1	10/21/15 10:29	10/21/15 17:37	7440-41-7	
Cadmium	<0.0032	mg/L	0.015	0.0032	1	10/21/15 10:29	10/21/15 17:37	7440-43-9	
Chromium	<0.0044	mg/L	0.050	0.0044	1	10/21/15 10:29	10/21/15 17:37	7440-47-3	
Cobalt	24.6J	ug/L	50.0	2.8	1	10/21/15 10:29	10/21/15 17:37	7440-48-4	
Copper	<6.4	ug/L	50.0	6.4	1	10/21/15 10:29	10/21/15 17:37	7440-50-8	
Iron	84.2J	ug/L	250	51.0	1	10/21/15 10:29	10/21/15 17:37	7439-89-6	
Lead	<0.010	mg/L	0.050	0.010	1	10/21/15 10:29	10/21/15 17:37	7439-92-1	
Manganese	4170	ug/L	25.0	2.8	1	10/21/15 10:29	10/21/15 17:37	7439-96-5	
Nickel	45.8J	ug/L	100	7.6	1	10/21/15 10:29	10/21/15 17:37	7440-02-0	B
Selenium	<0.041	mg/L	0.10	0.041	1	10/21/15 10:29	10/21/15 17:37	7782-49-2	
Silver	<0.012	mg/L	0.050	0.012	1	10/21/15 10:29	10/21/15 17:37	7440-22-4	
Zinc	<22.2	ug/L	100	22.2	1	10/21/15 10:29	10/21/15 17:37	7440-66-6	

6010C MET ICP									
Analytical Method: EPA 6010C Preparation Method: EPA 3050									
Antimony	<0.83	mg/kg	4.9	0.83	5	10/21/15 10:00	10/22/15 11:11	7440-36-0	D3
Arsenic	6.9	mg/kg	4.9	1.2	5	10/21/15 10:00	10/22/15 11:11	7440-38-2	
Barium	25.1	mg/kg	0.49	0.049	1	10/21/15 10:00	10/22/15 10:46	7440-39-3	
Beryllium	0.35	mg/kg	0.24	0.026	1	10/21/15 10:00	10/22/15 10:46	7440-41-7	
Cadmium	0.050J	mg/kg	0.15	0.037	1	10/21/15 10:00	10/22/15 10:46	7440-43-9	
Calcium	46900	mg/kg	122	22.2	5	10/21/15 10:00	10/22/15 11:11	7440-70-2	
Chromium	10.9	mg/kg	0.49	0.073	1	10/21/15 10:00	10/22/15 10:46	7440-47-3	
Cobalt	5.5	mg/kg	0.49	0.025	1	10/21/15 10:00	10/22/15 10:46	7440-48-4	
Copper	16.6	mg/kg	0.49	0.070	1	10/21/15 10:00	10/22/15 10:46	7440-50-8	
Iron	14600	mg/kg	12.2	4.9	5	10/21/15 10:00	10/22/15 11:11	7439-89-6	
Lead	7.3	mg/kg	0.49	0.12	1	10/21/15 10:00	10/22/15 10:46	7439-92-1	
Magnesium	27900	mg/kg	122	6.2	5	10/21/15 10:00	10/22/15 11:11	7439-95-4	
Manganese	258	mg/kg	0.24	0.11	1	10/21/15 10:00	10/22/15 10:46	7439-96-5	
Nickel	11.3	mg/kg	0.98	0.080	1	10/21/15 10:00	10/22/15 10:46	7440-02-0	
Potassium	1460	mg/kg	122	5.1	1	10/21/15 10:00	10/22/15 10:46	7440-09-7	
Selenium	<2.0	mg/kg	4.9	2.0	5	10/21/15 10:00	10/22/15 11:11	7782-49-2	D3
Silver	<0.11	mg/kg	0.49	0.11	1	10/21/15 10:00	10/22/15 10:46	7440-22-4	
Sodium	77.4	mg/kg	48.8	8.2	1	10/21/15 10:00	10/22/15 10:46	7440-23-5	
Thallium	<0.18	mg/kg	0.98	0.18	1	10/21/15 10:00	10/22/15 10:46	7440-28-0	
Vanadium	24.5	mg/kg	0.73	0.088	1	10/21/15 10:00	10/22/15 10:46	7440-62-2	
Zinc	25.2	mg/kg	0.98	0.43	1	10/21/15 10:00	10/22/15 10:46	7440-66-6	

6010C MET ICP, SPLP									
Analytical Method: EPA 6010C Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 10/21/15 08:13 Initial pH: ; Final pH: 8.33									
Arsenic	10.7J	ug/L	20.0	4.0	1	10/21/15 10:36	10/21/15 18:55	7440-38-2	6q
Barium	70.0	ug/L	10.0	1.2	1	10/21/15 10:36	10/21/15 18:55	7440-39-3	6q
Beryllium	0.79J	ug/L	5.0	0.59	1	10/21/15 10:36	10/21/15 18:55	7440-41-7	6q
Cadmium	<0.65	ug/L	3.0	0.65	1	10/21/15 10:36	10/21/15 18:55	7440-43-9	6q

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: PV-3 (0-6)-101415 **Lab ID: 40122890027** Collected: 10/14/15 07:50 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010C MET ICP, SPLP									
Analytical Method: EPA 6010C Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 10/21/15 08:13 Initial pH: ; Final pH: 8.33									
Chromium	22.0	ug/L	10.0	0.87	1	10/21/15 10:36	10/21/15 18:55	7440-47-3	6q
Cobalt	5.2J	ug/L	10.0	0.56	1	10/21/15 10:36	10/21/15 18:55	7440-48-4	6q
Copper	25.0	ug/L	10.0	1.3	1	10/21/15 10:36	10/21/15 18:55	7440-50-8	6q
Iron	20700	ug/L	50.0	10.2	1	10/21/15 10:36	10/21/15 18:55	7439-89-6	6q
Lead	13.3	ug/L	10.0	2.0	1	10/21/15 10:36	10/21/15 18:55	7439-92-1	6q
Manganese	194	ug/L	5.0	0.56	1	10/21/15 10:36	10/21/15 18:55	7439-96-5	6q
Nickel	25.6	ug/L	20.0	1.5	1	10/21/15 10:36	10/21/15 18:55	7440-02-0	6q
Selenium	<8.3	ug/L	20.0	8.3	1	10/21/15 10:36	10/21/15 18:55	7782-49-2	6q
Silver	<2.4	ug/L	10.0	2.4	1	10/21/15 10:36	10/21/15 18:55	7440-22-4	6q
Zinc	49.3	ug/L	20.0	4.4	1	10/21/15 10:36	10/21/15 18:55	7440-66-6	6q
7470A Mercury, SPLP									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Leachate Method/Date: EPA 1312; 10/21/15 08:13 Initial pH: ; Final pH: 8.33									
Mercury	<0.065	ug/L	0.60	0.065	1	10/21/15 12:32	10/21/15 16:15	7439-97-6	6q
7470A Mercury, TCLP									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Leachate Method/Date: EPA 1311; 10/21/15 08:22 Initial pH: 9.15; Final pH: 5.36									
Mercury	<0.065	ug/L	0.60	0.065	1	10/21/15 12:32	10/21/15 15:53	7439-97-6	6q
7471B Mercury									
Analytical Method: EPA 7471B Preparation Method: EPA 7471B									
Mercury	0.011J	mg/kg	0.019	0.0068	1	10/19/15 10:09	10/19/15 16:49	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<65.2	ug/kg	217	65.2	1	10/21/15 08:58	10/21/15 18:23	83-32-9	
Acenaphthylene	<65.6	ug/kg	219	65.6	1	10/21/15 08:58	10/21/15 18:23	208-96-8	
Anthracene	<29.4	ug/kg	98.0	29.4	1	10/21/15 08:58	10/21/15 18:23	120-12-7	
Benzo(a)anthracene	<28.5	ug/kg	95.0	28.5	1	10/21/15 08:58	10/21/15 18:23	56-55-3	
Benzo(a)pyrene	<27.7	ug/kg	92.3	27.7	1	10/21/15 08:58	10/21/15 18:23	50-32-8	
Benzo(b)fluoranthene	<31.6	ug/kg	105	31.6	1	10/21/15 08:58	10/21/15 18:23	205-99-2	
Benzo(g,h,i)perylene	<48.1	ug/kg	160	48.1	1	10/21/15 08:58	10/21/15 18:23	191-24-2	
Benzo(k)fluoranthene	<44.0	ug/kg	147	44.0	1	10/21/15 08:58	10/21/15 18:23	207-08-9	
4-Bromophenylphenyl ether	<38.5	ug/kg	128	38.5	1	10/21/15 08:58	10/21/15 18:23	101-55-3	
Butylbenzylphthalate	<29.5	ug/kg	98.3	29.5	1	10/21/15 08:58	10/21/15 18:23	85-68-7	
Carbazole	<28.8	ug/kg	96.0	28.8	1	10/21/15 08:58	10/21/15 18:23	86-74-8	
4-Chloro-3-methylphenol	<57.2	ug/kg	191	57.2	1	10/21/15 08:58	10/21/15 18:23	59-50-7	
4-Chloroaniline	<30.2	ug/kg	101	30.2	1	10/21/15 08:58	10/21/15 18:23	106-47-8	
bis(2-Chloroethoxy)methane	<49.5	ug/kg	165	49.5	1	10/21/15 08:58	10/21/15 18:23	111-91-1	
bis(2-Chloroethyl) ether	<57.4	ug/kg	191	57.4	1	10/21/15 08:58	10/21/15 18:23	111-44-4	
2-Chloronaphthalene	<23.6	ug/kg	78.7	23.6	1	10/21/15 08:58	10/21/15 18:23	91-58-7	
2-Chlorophenol	<45.9	ug/kg	153	45.9	1	10/21/15 08:58	10/21/15 18:23	95-57-8	
4-Chlorophenylphenyl ether	<34.3	ug/kg	114	34.3	1	10/21/15 08:58	10/21/15 18:23	7005-72-3	
Chrysene	<27.5	ug/kg	91.7	27.5	1	10/21/15 08:58	10/21/15 18:23	218-01-9	
Dibenz(a,h)anthracene	<50.0	ug/kg	167	50.0	1	10/21/15 08:58	10/21/15 18:23	53-70-3	
Dibenzofuran	<22.3	ug/kg	74.2	22.3	1	10/21/15 08:58	10/21/15 18:23	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: PV-3 (0-6)-101415 **Lab ID: 40122890027** Collected: 10/14/15 07:50 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<57.8	ug/kg	193	57.8	1	10/21/15 08:58	10/21/15 18:23	95-50-1	
1,3-Dichlorobenzene	<25.5	ug/kg	84.9	25.5	1	10/21/15 08:58	10/21/15 18:23	541-73-1	
1,4-Dichlorobenzene	<25.6	ug/kg	85.4	25.6	1	10/21/15 08:58	10/21/15 18:23	106-46-7	
3,3'-Dichlorobenzidine	<49.9	ug/kg	166	49.9	1	10/21/15 08:58	10/21/15 18:23	91-94-1	
2,4-Dichlorophenol	<49.2	ug/kg	164	49.2	1	10/21/15 08:58	10/21/15 18:23	120-83-2	
Diethylphthalate	<30.5	ug/kg	102	30.5	1	10/21/15 08:58	10/21/15 18:23	84-66-2	
2,4-Dimethylphenol	<36.4	ug/kg	121	36.4	1	10/21/15 08:58	10/21/15 18:23	105-67-9	
Dimethylphthalate	<23.9	ug/kg	79.8	23.9	1	10/21/15 08:58	10/21/15 18:23	131-11-3	
Di-n-butylphthalate	<27.5	ug/kg	91.6	27.5	1	10/21/15 08:58	10/21/15 18:23	84-74-2	
4,6-Dinitro-2-methylphenol	<56.7	ug/kg	189	56.7	1	10/21/15 08:58	10/21/15 18:23	534-52-1	
2,4-Dinitrophenol	<56.0	ug/kg	187	56.0	1	10/21/15 08:58	10/21/15 18:23	51-28-5	
2,4-Dinitrotoluene	<26.3	ug/kg	87.7	26.3	1	10/21/15 08:58	10/21/15 18:23	121-14-2	
2,6-Dinitrotoluene	<34.9	ug/kg	116	34.9	1	10/21/15 08:58	10/21/15 18:23	606-20-2	
Di-n-octylphthalate	<41.4	ug/kg	138	41.4	1	10/21/15 08:58	10/21/15 18:23	117-84-0	
bis(2-Ethylhexyl)phthalate	<30.6	ug/kg	102	30.6	1	10/21/15 08:58	10/21/15 18:23	117-81-7	
Fluoranthene	<26.0	ug/kg	86.8	26.0	1	10/21/15 08:58	10/21/15 18:23	206-44-0	
Fluorene	<21.5	ug/kg	71.7	21.5	1	10/21/15 08:58	10/21/15 18:23	86-73-7	
Hexachloro-1,3-butadiene	<46.9	ug/kg	156	46.9	1	10/21/15 08:58	10/21/15 18:23	87-68-3	
Hexachlorobenzene	<30.9	ug/kg	103	30.9	1	10/21/15 08:58	10/21/15 18:23	118-74-1	
Hexachlorocyclopentadiene	<43.5	ug/kg	145	43.5	1	10/21/15 08:58	10/21/15 18:23	77-47-4	
Hexachloroethane	<29.4	ug/kg	98.1	29.4	1	10/21/15 08:58	10/21/15 18:23	67-72-1	
Indeno(1,2,3-cd)pyrene	<39.8	ug/kg	133	39.8	1	10/21/15 08:58	10/21/15 18:23	193-39-5	
Isophorone	<28.3	ug/kg	94.3	28.3	1	10/21/15 08:58	10/21/15 18:23	78-59-1	
2-Methylnaphthalene	<47.8	ug/kg	159	47.8	1	10/21/15 08:58	10/21/15 18:23	91-57-6	
2-Methylphenol(o-Cresol)	<33.4	ug/kg	111	33.4	1	10/21/15 08:58	10/21/15 18:23	95-48-7	
3&4-Methylphenol(m&p Cresol)	<33.7	ug/kg	112	33.7	1	10/21/15 08:58	10/21/15 18:23		
Naphthalene	<64.3	ug/kg	214	64.3	1	10/21/15 08:58	10/21/15 18:23	91-20-3	
2-Nitroaniline	<52.4	ug/kg	175	52.4	1	10/21/15 08:58	10/21/15 18:23	88-74-4	
3-Nitroaniline	<31.3	ug/kg	104	31.3	1	10/21/15 08:58	10/21/15 18:23	99-09-2	
4-Nitroaniline	<76.3	ug/kg	254	76.3	1	10/21/15 08:58	10/21/15 18:23	100-01-6	
Nitrobenzene	<37.3	ug/kg	124	37.3	1	10/21/15 08:58	10/21/15 18:23	98-95-3	
2-Nitrophenol	<58.1	ug/kg	194	58.1	1	10/21/15 08:58	10/21/15 18:23	88-75-5	
4-Nitrophenol	<46.3	ug/kg	154	46.3	1	10/21/15 08:58	10/21/15 18:23	100-02-7	
N-Nitroso-di-n-propylamine	<29.2	ug/kg	97.2	29.2	1	10/21/15 08:58	10/21/15 18:23	621-64-7	
N-Nitrosodiphenylamine	<250	ug/kg	832	250	1	10/21/15 08:58	10/21/15 18:23	86-30-6	
2,2'-Oxybis(1-chloropropane)	<47.4	ug/kg	158	47.4	1	10/21/15 08:58	10/21/15 18:23	108-60-1	
Pentachlorophenol	<40.5	ug/kg	135	40.5	1	10/21/15 08:58	10/21/15 18:23	87-86-5	
Phenanthrene	<23.6	ug/kg	78.7	23.6	1	10/21/15 08:58	10/21/15 18:23	85-01-8	
Phenol	<43.7	ug/kg	146	43.7	1	10/21/15 08:58	10/21/15 18:23	108-95-2	
Pyrene	<40.8	ug/kg	136	40.8	1	10/21/15 08:58	10/21/15 18:23	129-00-0	
1,2,4-Trichlorobenzene	<20.8	ug/kg	69.3	20.8	1	10/21/15 08:58	10/21/15 18:23	120-82-1	
2,4,5-Trichlorophenol	<32.5	ug/kg	108	32.5	1	10/21/15 08:58	10/21/15 18:23	95-95-4	
2,4,6-Trichlorophenol	<28.0	ug/kg	93.5	28.0	1	10/21/15 08:58	10/21/15 18:23	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	66	%	45-130		1	10/21/15 08:58	10/21/15 18:23	4165-60-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: PV-3 (0-6)-101415 Lab ID: 40122890027 Collected: 10/14/15 07:50 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	60	%	51-130		1	10/21/15 08:58	10/21/15 18:23	321-60-8	
Terphenyl-d14 (S)	66	%	37-134		1	10/21/15 08:58	10/21/15 18:23	1718-51-0	
Phenol-d6 (S)	61	%	36-130		1	10/21/15 08:58	10/21/15 18:23	13127-88-3	
2-Fluorophenol (S)	58	%	37-130		1	10/21/15 08:58	10/21/15 18:23	367-12-4	
2,4,6-Tribromophenol (S)	58	%	30-130		1	10/21/15 08:58	10/21/15 18:23	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.2	ug/kg	13.5	4.2	1	10/19/15 12:00	10/19/15 11:22	67-64-1	2q
Benzene	<1.1	ug/kg	3.4	1.1	1	10/19/15 12:00	10/19/15 11:22	71-43-2	
Bromodichloromethane	<0.74	ug/kg	3.4	0.74	1	10/19/15 12:00	10/19/15 11:22	75-27-4	
Bromoform	<0.57	ug/kg	3.4	0.57	1	10/19/15 12:00	10/19/15 11:22	75-25-2	
Bromomethane	<1.0	ug/kg	6.8	1.0	1	10/19/15 12:00	10/19/15 11:22	74-83-9	
2-Butanone (MEK)	<1.9	ug/kg	13.5	1.9	1	10/19/15 12:00	10/19/15 11:22	78-93-3	
Carbon disulfide	<0.87	ug/kg	3.4	0.87	1	10/19/15 12:00	10/19/15 11:22	75-15-0	
Carbon tetrachloride	<1.1	ug/kg	3.4	1.1	1	10/19/15 12:00	10/19/15 11:22	56-23-5	
Chlorobenzene	<1.1	ug/kg	3.4	1.1	1	10/19/15 12:00	10/19/15 11:22	108-90-7	
Chloroethane	<1.4	ug/kg	3.4	1.4	1	10/19/15 12:00	10/19/15 11:22	75-00-3	
Chloroform	<0.64	ug/kg	3.4	0.64	1	10/19/15 12:00	10/19/15 11:22	67-66-3	
Chloromethane	<0.38	ug/kg	3.4	0.38	1	10/19/15 12:00	10/19/15 11:22	74-87-3	
Dibromochloromethane	<1.2	ug/kg	3.4	1.2	1	10/19/15 12:00	10/19/15 11:22	124-48-1	
1,1-Dichloroethane	<1.6	ug/kg	3.4	1.6	1	10/19/15 12:00	10/19/15 11:22	75-34-3	
1,2-Dichloroethane	<0.66	ug/kg	3.4	0.66	1	10/19/15 12:00	10/19/15 11:22	107-06-2	
1,1-Dichloroethene	<1.5	ug/kg	3.4	1.5	1	10/19/15 12:00	10/19/15 11:22	75-35-4	
cis-1,2-Dichloroethene	<0.90	ug/kg	3.4	0.90	1	10/19/15 12:00	10/19/15 11:22	156-59-2	
trans-1,2-Dichloroethene	<0.84	ug/kg	3.4	0.84	1	10/19/15 12:00	10/19/15 11:22	156-60-5	
1,2-Dichloropropane	<0.85	ug/kg	3.4	0.85	1	10/19/15 12:00	10/19/15 11:22	78-87-5	
cis-1,3-Dichloropropene	<0.45	ug/kg	3.4	0.45	1	10/19/15 12:00	10/19/15 11:22	10061-01-5	
trans-1,3-Dichloropropene	<0.63	ug/kg	3.4	0.63	1	10/19/15 12:00	10/19/15 11:22	10061-02-6	
Ethylbenzene	<0.98	ug/kg	3.4	0.98	1	10/19/15 12:00	10/19/15 11:22	100-41-4	
2-Hexanone	<1.0	ug/kg	3.4	1.0	1	10/19/15 12:00	10/19/15 11:22	591-78-6	
Methylene Chloride	<1.2	ug/kg	3.4	1.2	1	10/19/15 12:00	10/19/15 11:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.83	ug/kg	3.4	0.83	1	10/19/15 12:00	10/19/15 11:22	108-10-1	
Methyl-tert-butyl ether	<0.68	ug/kg	3.4	0.68	1	10/19/15 12:00	10/19/15 11:22	1634-04-4	
Styrene	<0.51	ug/kg	3.4	0.51	1	10/19/15 12:00	10/19/15 11:22	100-42-5	
1,1,2,2-Tetrachloroethane	<1.4	ug/kg	3.4	1.4	1	10/19/15 12:00	10/19/15 11:22	79-34-5	
Tetrachloroethene	<1.1	ug/kg	3.4	1.1	1	10/19/15 12:00	10/19/15 11:22	127-18-4	
Toluene	<1.0	ug/kg	3.4	1.0	1	10/19/15 12:00	10/19/15 11:22	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/kg	3.4	1.0	1	10/19/15 12:00	10/19/15 11:22	71-55-6	
1,1,2-Trichloroethane	<1.3	ug/kg	3.4	1.3	1	10/19/15 12:00	10/19/15 11:22	79-00-5	
Trichloroethene	<1.3	ug/kg	3.4	1.3	1	10/19/15 12:00	10/19/15 11:22	79-01-6	
Vinyl chloride	<0.37	ug/kg	3.4	0.37	1	10/19/15 12:00	10/19/15 11:22	75-01-4	
Xylene (Total)	<3.0	ug/kg	10.2	3.0	1	10/19/15 12:00	10/19/15 11:22	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	104	%	70-130		1	10/19/15 12:00	10/19/15 11:22	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: PV-3 (0-6)-101415 **Lab ID: 40122890027** Collected: 10/14/15 07:50 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	103	%	67-138		1	10/19/15 12:00	10/19/15 11:22	2037-26-5	
4-Bromofluorobenzene (S)	90	%	68-130		1	10/19/15 12:00	10/19/15 11:22	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	9.3	%	0.10	0.10	1		10/15/15 18:07		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.08	Std. Units	0.100	0.0100	1		10/19/15 11:45		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: PV-4 (0-6)-101415 Lab ID: 40122890028 Collected: 10/14/15 08:20 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010C MET ICP, TCLP									
Analytical Method: EPA 6010C Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/21/15 08:22 Initial pH: 9.5; Final pH: 5.6									
Arsenic	<0.020	mg/L	0.10	0.020	1	10/21/15 10:29	10/21/15 17:40	7440-38-2	
Barium	0.26J	mg/L	0.50	0.0061	1	10/21/15 10:29	10/21/15 17:40	7440-39-3	B
Beryllium	<2.9	ug/L	25.0	2.9	1	10/21/15 10:29	10/21/15 17:40	7440-41-7	
Cadmium	<0.0032	mg/L	0.015	0.0032	1	10/21/15 10:29	10/21/15 17:40	7440-43-9	
Chromium	<0.0044	mg/L	0.050	0.0044	1	10/21/15 10:29	10/21/15 17:40	7440-47-3	
Cobalt	44.2J	ug/L	50.0	2.8	1	10/21/15 10:29	10/21/15 17:40	7440-48-4	
Copper	<6.4	ug/L	50.0	6.4	1	10/21/15 10:29	10/21/15 17:40	7440-50-8	
Iron	72.3J	ug/L	250	51.0	1	10/21/15 10:29	10/21/15 17:40	7439-89-6	
Lead	<0.010	mg/L	0.050	0.010	1	10/21/15 10:29	10/21/15 17:40	7439-92-1	
Manganese	6160	ug/L	25.0	2.8	1	10/21/15 10:29	10/21/15 17:40	7439-96-5	
Nickel	27.7J	ug/L	100	7.6	1	10/21/15 10:29	10/21/15 17:40	7440-02-0	B
Selenium	<0.041	mg/L	0.10	0.041	1	10/21/15 10:29	10/21/15 17:40	7782-49-2	
Silver	<0.012	mg/L	0.050	0.012	1	10/21/15 10:29	10/21/15 17:40	7440-22-4	
Zinc	80.5J	ug/L	100	22.2	1	10/21/15 10:29	10/21/15 17:40	7440-66-6	

6010C MET ICP									
Analytical Method: EPA 6010C Preparation Method: EPA 3050									
Antimony	<0.77	mg/kg	4.5	0.77	5	10/19/15 13:22	10/20/15 13:57	7440-36-0	D3
Arsenic	4.2J	mg/kg	4.5	1.1	5	10/19/15 13:22	10/20/15 13:57	7440-38-2	D3
Barium	20.9	mg/kg	0.45	0.045	1	10/19/15 13:22	10/20/15 11:01	7440-39-3	
Beryllium	0.21J	mg/kg	0.23	0.024	1	10/19/15 13:22	10/20/15 11:01	7440-41-7	
Cadmium	0.11J	mg/kg	0.14	0.034	1	10/19/15 13:22	10/20/15 11:01	7440-43-9	
Calcium	111000	mg/kg	113	20.6	5	10/19/15 13:22	10/20/15 13:57	7440-70-2	
Chromium	6.3	mg/kg	0.45	0.067	1	10/19/15 13:22	10/20/15 11:01	7440-47-3	
Cobalt	3.1	mg/kg	0.45	0.023	1	10/19/15 13:22	10/20/15 11:01	7440-48-4	
Copper	7.6	mg/kg	0.45	0.064	1	10/19/15 13:22	10/20/15 11:01	7440-50-8	
Iron	9180	mg/kg	11.3	4.6	5	10/19/15 13:22	10/20/15 13:57	7439-89-6	
Lead	5.3	mg/kg	0.45	0.11	1	10/19/15 13:22	10/20/15 11:01	7439-92-1	
Magnesium	63000	mg/kg	113	5.8	5	10/19/15 13:22	10/20/15 13:57	7439-95-4	
Manganese	335	mg/kg	0.23	0.099	1	10/19/15 13:22	10/20/15 11:01	7439-96-5	
Nickel	5.5	mg/kg	0.90	0.074	1	10/19/15 13:22	10/20/15 11:01	7440-02-0	
Potassium	940	mg/kg	113	4.7	1	10/19/15 13:22	10/21/15 12:04	7440-09-7	
Selenium	<1.8	mg/kg	4.5	1.8	5	10/19/15 13:22	10/20/15 13:57	7782-49-2	D3
Silver	<0.10	mg/kg	0.45	0.10	1	10/19/15 13:22	10/20/15 11:01	7440-22-4	
Sodium	115	mg/kg	45.2	7.6	1	10/19/15 13:22	10/20/15 11:01	7440-23-5	
Thallium	<0.17	mg/kg	0.90	0.17	1	10/19/15 13:22	10/20/15 11:01	7440-28-0	
Vanadium	9.1	mg/kg	0.68	0.081	1	10/19/15 13:22	10/20/15 11:01	7440-62-2	
Zinc	21.9	mg/kg	0.90	0.40	1	10/19/15 13:22	10/20/15 11:01	7440-66-6	

6010C MET ICP, SPLP									
Analytical Method: EPA 6010C Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 10/21/15 08:13 Initial pH: ; Final pH: 9.32									
Arsenic	<4.0	ug/L	20.0	4.0	1	10/21/15 10:36	10/21/15 18:59	7440-38-2	6q
Barium	2.3J	ug/L	10.0	1.2	1	10/21/15 10:36	10/21/15 18:59	7440-39-3	6q
Beryllium	<0.59	ug/L	5.0	0.59	1	10/21/15 10:36	10/21/15 18:59	7440-41-7	6q
Cadmium	<0.65	ug/L	3.0	0.65	1	10/21/15 10:36	10/21/15 18:59	7440-43-9	6q

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: PV-4 (0-6)-101415 **Lab ID: 40122890028** Collected: 10/14/15 08:20 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010C MET ICP, SPLP									
Analytical Method: EPA 6010C Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 10/21/15 08:13 Initial pH: ; Final pH: 9.32									
Chromium	<0.87	ug/L	10.0	0.87	1	10/21/15 10:36	10/21/15 18:59	7440-47-3	6q
Cobalt	<0.56	ug/L	10.0	0.56	1	10/21/15 10:36	10/21/15 18:59	7440-48-4	6q
Copper	<1.3	ug/L	10.0	1.3	1	10/21/15 10:36	10/21/15 18:59	7440-50-8	6q
Iron	19.6J	ug/L	50.0	10.2	1	10/21/15 10:36	10/21/15 18:59	7439-89-6	6q
Lead	<2.0	ug/L	10.0	2.0	1	10/21/15 10:36	10/21/15 18:59	7439-92-1	6q
Manganese	<0.56	ug/L	5.0	0.56	1	10/21/15 10:36	10/21/15 18:59	7439-96-5	6q
Nickel	<1.5	ug/L	20.0	1.5	1	10/21/15 10:36	10/21/15 18:59	7440-02-0	6q
Selenium	<8.3	ug/L	20.0	8.3	1	10/21/15 10:36	10/21/15 18:59	7782-49-2	6q
Silver	<2.4	ug/L	10.0	2.4	1	10/21/15 10:36	10/21/15 18:59	7440-22-4	6q
Zinc	<4.4	ug/L	20.0	4.4	1	10/21/15 10:36	10/21/15 18:59	7440-66-6	6q
7470A Mercury, SPLP									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Leachate Method/Date: EPA 1312; 10/21/15 08:13 Initial pH: ; Final pH: 9.32									
Mercury	<0.065	ug/L	0.60	0.065	1	10/21/15 12:32	10/21/15 16:18	7439-97-6	6q
7470A Mercury, TCLP									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Leachate Method/Date: EPA 1311; 10/21/15 08:22 Initial pH: 9.5; Final pH: 5.6									
Mercury	<0.065	ug/L	0.60	0.065	1	10/21/15 12:32	10/21/15 15:55	7439-97-6	6q
7471B Mercury									
Analytical Method: EPA 7471B Preparation Method: EPA 7471B									
Mercury	0.013J	mg/kg	0.018	0.0064	1	10/19/15 10:09	10/19/15 16:51	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<62.0	ug/kg	207	62.0	1	10/21/15 08:58	10/22/15 08:09	83-32-9	
Acenaphthylene	<62.4	ug/kg	208	62.4	1	10/21/15 08:58	10/22/15 08:09	208-96-8	
Anthracene	<27.9	ug/kg	93.1	27.9	1	10/21/15 08:58	10/22/15 08:09	120-12-7	
Benzo(a)anthracene	<27.1	ug/kg	90.3	27.1	1	10/21/15 08:58	10/22/15 08:09	56-55-3	
Benzo(a)pyrene	<26.3	ug/kg	87.7	26.3	1	10/21/15 08:58	10/22/15 08:09	50-32-8	
Benzo(b)fluoranthene	<30.0	ug/kg	100	30.0	1	10/21/15 08:58	10/22/15 08:09	205-99-2	
Benzo(g,h,i)perylene	<45.7	ug/kg	152	45.7	1	10/21/15 08:58	10/22/15 08:09	191-24-2	
Benzo(k)fluoranthene	<41.9	ug/kg	140	41.9	1	10/21/15 08:58	10/22/15 08:09	207-08-9	
4-Bromophenylphenyl ether	<36.6	ug/kg	122	36.6	1	10/21/15 08:58	10/22/15 08:09	101-55-3	
Butylbenzylphthalate	<28.0	ug/kg	93.5	28.0	1	10/21/15 08:58	10/22/15 08:09	85-68-7	
Carbazole	<27.4	ug/kg	91.2	27.4	1	10/21/15 08:58	10/22/15 08:09	86-74-8	
4-Chloro-3-methylphenol	<54.4	ug/kg	181	54.4	1	10/21/15 08:58	10/22/15 08:09	59-50-7	
4-Chloroaniline	<28.7	ug/kg	95.8	28.7	1	10/21/15 08:58	10/22/15 08:09	106-47-8	
bis(2-Chloroethoxy)methane	<47.1	ug/kg	157	47.1	1	10/21/15 08:58	10/22/15 08:09	111-91-1	
bis(2-Chloroethyl) ether	<54.6	ug/kg	182	54.6	1	10/21/15 08:58	10/22/15 08:09	111-44-4	
2-Chloronaphthalene	<22.4	ug/kg	74.8	22.4	1	10/21/15 08:58	10/22/15 08:09	91-58-7	
2-Chlorophenol	<43.6	ug/kg	145	43.6	1	10/21/15 08:58	10/22/15 08:09	95-57-8	
4-Chlorophenylphenyl ether	<32.6	ug/kg	109	32.6	1	10/21/15 08:58	10/22/15 08:09	7005-72-3	
Chrysene	<26.1	ug/kg	87.1	26.1	1	10/21/15 08:58	10/22/15 08:09	218-01-9	
Dibenz(a,h)anthracene	<47.5	ug/kg	158	47.5	1	10/21/15 08:58	10/22/15 08:09	53-70-3	
Dibenzofuran	<21.2	ug/kg	70.5	21.2	1	10/21/15 08:58	10/22/15 08:09	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: PV-4 (0-6)-101415 **Lab ID: 40122890028** Collected: 10/14/15 08:20 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<55.0	ug/kg	183	55.0	1	10/21/15 08:58	10/22/15 08:09	95-50-1	
1,3-Dichlorobenzene	<24.2	ug/kg	80.7	24.2	1	10/21/15 08:58	10/22/15 08:09	541-73-1	
1,4-Dichlorobenzene	<24.4	ug/kg	81.2	24.4	1	10/21/15 08:58	10/22/15 08:09	106-46-7	
3,3'-Dichlorobenzidine	<47.4	ug/kg	158	47.4	1	10/21/15 08:58	10/22/15 08:09	91-94-1	
2,4-Dichlorophenol	<46.7	ug/kg	156	46.7	1	10/21/15 08:58	10/22/15 08:09	120-83-2	
Diethylphthalate	<29.0	ug/kg	96.6	29.0	1	10/21/15 08:58	10/22/15 08:09	84-66-2	
2,4-Dimethylphenol	<34.6	ug/kg	115	34.6	1	10/21/15 08:58	10/22/15 08:09	105-67-9	
Dimethylphthalate	<22.7	ug/kg	75.8	22.7	1	10/21/15 08:58	10/22/15 08:09	131-11-3	
Di-n-butylphthalate	<26.1	ug/kg	87.1	26.1	1	10/21/15 08:58	10/22/15 08:09	84-74-2	
4,6-Dinitro-2-methylphenol	<53.9	ug/kg	180	53.9	1	10/21/15 08:58	10/22/15 08:09	534-52-1	
2,4-Dinitrophenol	<53.3	ug/kg	178	53.3	1	10/21/15 08:58	10/22/15 08:09	51-28-5	
2,4-Dinitrotoluene	<25.0	ug/kg	83.3	25.0	1	10/21/15 08:58	10/22/15 08:09	121-14-2	
2,6-Dinitrotoluene	<33.2	ug/kg	111	33.2	1	10/21/15 08:58	10/22/15 08:09	606-20-2	
Di-n-octylphthalate	<39.3	ug/kg	131	39.3	1	10/21/15 08:58	10/22/15 08:09	117-84-0	
bis(2-Ethylhexyl)phthalate	<29.1	ug/kg	96.9	29.1	1	10/21/15 08:58	10/22/15 08:09	117-81-7	
Fluoranthene	<24.7	ug/kg	82.5	24.7	1	10/21/15 08:58	10/22/15 08:09	206-44-0	
Fluorene	<20.4	ug/kg	68.1	20.4	1	10/21/15 08:58	10/22/15 08:09	86-73-7	
Hexachloro-1,3-butadiene	<44.5	ug/kg	148	44.5	1	10/21/15 08:58	10/22/15 08:09	87-68-3	
Hexachlorobenzene	<29.4	ug/kg	98.0	29.4	1	10/21/15 08:58	10/22/15 08:09	118-74-1	
Hexachlorocyclopentadiene	<41.4	ug/kg	138	41.4	1	10/21/15 08:58	10/22/15 08:09	77-47-4	
Hexachloroethane	<28.0	ug/kg	93.3	28.0	1	10/21/15 08:58	10/22/15 08:09	67-72-1	
Indeno(1,2,3-cd)pyrene	<37.8	ug/kg	126	37.8	1	10/21/15 08:58	10/22/15 08:09	193-39-5	
Isophorone	<26.9	ug/kg	89.6	26.9	1	10/21/15 08:58	10/22/15 08:09	78-59-1	
2-Methylnaphthalene	<45.4	ug/kg	151	45.4	1	10/21/15 08:58	10/22/15 08:09	91-57-6	
2-Methylphenol(o-Cresol)	<31.8	ug/kg	106	31.8	1	10/21/15 08:58	10/22/15 08:09	95-48-7	
3&4-Methylphenol(m&p Cresol)	<32.0	ug/kg	107	32.0	1	10/21/15 08:58	10/22/15 08:09		
Naphthalene	<61.1	ug/kg	204	61.1	1	10/21/15 08:58	10/22/15 08:09	91-20-3	
2-Nitroaniline	<49.8	ug/kg	166	49.8	1	10/21/15 08:58	10/22/15 08:09	88-74-4	
3-Nitroaniline	<29.7	ug/kg	99.1	29.7	1	10/21/15 08:58	10/22/15 08:09	99-09-2	
4-Nitroaniline	<72.6	ug/kg	242	72.6	1	10/21/15 08:58	10/22/15 08:09	100-01-6	
Nitrobenzene	<35.5	ug/kg	118	35.5	1	10/21/15 08:58	10/22/15 08:09	98-95-3	
2-Nitrophenol	<55.2	ug/kg	184	55.2	1	10/21/15 08:58	10/22/15 08:09	88-75-5	
4-Nitrophenol	<44.0	ug/kg	147	44.0	1	10/21/15 08:58	10/22/15 08:09	100-02-7	
N-Nitroso-di-n-propylamine	<27.7	ug/kg	92.4	27.7	1	10/21/15 08:58	10/22/15 08:09	621-64-7	
N-Nitrosodiphenylamine	<237	ug/kg	791	237	1	10/21/15 08:58	10/22/15 08:09	86-30-6	
2,2'-Oxybis(1-chloropropane)	<45.1	ug/kg	150	45.1	1	10/21/15 08:58	10/22/15 08:09	108-60-1	
Pentachlorophenol	<38.5	ug/kg	128	38.5	1	10/21/15 08:58	10/22/15 08:09	87-86-5	
Phenanthrene	<22.4	ug/kg	74.8	22.4	1	10/21/15 08:58	10/22/15 08:09	85-01-8	
Phenol	<41.5	ug/kg	138	41.5	1	10/21/15 08:58	10/22/15 08:09	108-95-2	
Pyrene	<38.8	ug/kg	129	38.8	1	10/21/15 08:58	10/22/15 08:09	129-00-0	
1,2,4-Trichlorobenzene	<19.8	ug/kg	65.9	19.8	1	10/21/15 08:58	10/22/15 08:09	120-82-1	
2,4,5-Trichlorophenol	<30.9	ug/kg	103	30.9	1	10/21/15 08:58	10/22/15 08:09	95-95-4	
2,4,6-Trichlorophenol	<26.7	ug/kg	88.9	26.7	1	10/21/15 08:58	10/22/15 08:09	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	62	%	45-130		1	10/21/15 08:58	10/22/15 08:09	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: PV-4 (0-6)-101415 **Lab ID: 40122890028** Collected: 10/14/15 08:20 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	60	%	51-130		1	10/21/15 08:58	10/22/15 08:09	321-60-8	
Terphenyl-d14 (S)	65	%	37-134		1	10/21/15 08:58	10/22/15 08:09	1718-51-0	
Phenol-d6 (S)	57	%	36-130		1	10/21/15 08:58	10/22/15 08:09	13127-88-3	
2-Fluorophenol (S)	54	%	37-130		1	10/21/15 08:58	10/22/15 08:09	367-12-4	
2,4,6-Tribromophenol (S)	56	%	30-130		1	10/21/15 08:58	10/22/15 08:09	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<3.8	ug/kg	12.3	3.8	1	10/19/15 12:00	10/19/15 11:44	67-64-1	2q
Benzene	<0.99	ug/kg	3.1	0.99	1	10/19/15 12:00	10/19/15 11:44	71-43-2	
Bromodichloromethane	<0.67	ug/kg	3.1	0.67	1	10/19/15 12:00	10/19/15 11:44	75-27-4	
Bromoform	<0.52	ug/kg	3.1	0.52	1	10/19/15 12:00	10/19/15 11:44	75-25-2	
Bromomethane	<0.92	ug/kg	6.1	0.92	1	10/19/15 12:00	10/19/15 11:44	74-83-9	
2-Butanone (MEK)	<1.7	ug/kg	12.3	1.7	1	10/19/15 12:00	10/19/15 11:44	78-93-3	
Carbon disulfide	<0.79	ug/kg	3.1	0.79	1	10/19/15 12:00	10/19/15 11:44	75-15-0	
Carbon tetrachloride	<0.98	ug/kg	3.1	0.98	1	10/19/15 12:00	10/19/15 11:44	56-23-5	
Chlorobenzene	<0.97	ug/kg	3.1	0.97	1	10/19/15 12:00	10/19/15 11:44	108-90-7	
Chloroethane	<1.2	ug/kg	3.1	1.2	1	10/19/15 12:00	10/19/15 11:44	75-00-3	
Chloroform	<0.58	ug/kg	3.1	0.58	1	10/19/15 12:00	10/19/15 11:44	67-66-3	
Chloromethane	<0.35	ug/kg	3.1	0.35	1	10/19/15 12:00	10/19/15 11:44	74-87-3	
Dibromochloromethane	<1.1	ug/kg	3.1	1.1	1	10/19/15 12:00	10/19/15 11:44	124-48-1	
1,1-Dichloroethane	<1.5	ug/kg	3.1	1.5	1	10/19/15 12:00	10/19/15 11:44	75-34-3	
1,2-Dichloroethane	<0.60	ug/kg	3.1	0.60	1	10/19/15 12:00	10/19/15 11:44	107-06-2	
1,1-Dichloroethene	<1.4	ug/kg	3.1	1.4	1	10/19/15 12:00	10/19/15 11:44	75-35-4	
cis-1,2-Dichloroethene	<0.81	ug/kg	3.1	0.81	1	10/19/15 12:00	10/19/15 11:44	156-59-2	
trans-1,2-Dichloroethene	<0.76	ug/kg	3.1	0.76	1	10/19/15 12:00	10/19/15 11:44	156-60-5	
1,2-Dichloropropane	<0.78	ug/kg	3.1	0.78	1	10/19/15 12:00	10/19/15 11:44	78-87-5	
cis-1,3-Dichloropropene	<0.41	ug/kg	3.1	0.41	1	10/19/15 12:00	10/19/15 11:44	10061-01-5	
trans-1,3-Dichloropropene	<0.57	ug/kg	3.1	0.57	1	10/19/15 12:00	10/19/15 11:44	10061-02-6	
Ethylbenzene	<0.89	ug/kg	3.1	0.89	1	10/19/15 12:00	10/19/15 11:44	100-41-4	
2-Hexanone	<0.91	ug/kg	3.1	0.91	1	10/19/15 12:00	10/19/15 11:44	591-78-6	
Methylene Chloride	<1.1	ug/kg	3.1	1.1	1	10/19/15 12:00	10/19/15 11:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.75	ug/kg	3.1	0.75	1	10/19/15 12:00	10/19/15 11:44	108-10-1	
Methyl-tert-butyl ether	<0.62	ug/kg	3.1	0.62	1	10/19/15 12:00	10/19/15 11:44	1634-04-4	
Styrene	<0.47	ug/kg	3.1	0.47	1	10/19/15 12:00	10/19/15 11:44	100-42-5	
1,1,2,2-Tetrachloroethane	<1.3	ug/kg	3.1	1.3	1	10/19/15 12:00	10/19/15 11:44	79-34-5	
Tetrachloroethene	<0.97	ug/kg	3.1	0.97	1	10/19/15 12:00	10/19/15 11:44	127-18-4	
Toluene	<0.91	ug/kg	3.1	0.91	1	10/19/15 12:00	10/19/15 11:44	108-88-3	
1,1,1-Trichloroethane	<0.95	ug/kg	3.1	0.95	1	10/19/15 12:00	10/19/15 11:44	71-55-6	
1,1,2-Trichloroethane	<1.2	ug/kg	3.1	1.2	1	10/19/15 12:00	10/19/15 11:44	79-00-5	
Trichloroethene	<1.2	ug/kg	3.1	1.2	1	10/19/15 12:00	10/19/15 11:44	79-01-6	
Vinyl chloride	<0.34	ug/kg	3.1	0.34	1	10/19/15 12:00	10/19/15 11:44	75-01-4	
Xylene (Total)	<2.8	ug/kg	9.2	2.8	1	10/19/15 12:00	10/19/15 11:44	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	105	%	70-130		1	10/19/15 12:00	10/19/15 11:44	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: PV-4 (0-6)-101415 **Lab ID: 40122890028** Collected: 10/14/15 08:20 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	112	%	67-138		1	10/19/15 12:00	10/19/15 11:44	2037-26-5	
4-Bromofluorobenzene (S)	80	%	68-130		1	10/19/15 12:00	10/19/15 11:44	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	4.5	%	0.10	0.10	1		10/15/15 18:08		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.32	Std. Units	0.100	0.0100	1		10/19/15 11:45		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: PV-5 (0-6)-101415D Lab ID: 40122890029 Collected: 10/14/15 08:45 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.089	mg/kg	2.7	0.089	1	10/19/15 14:14	10/21/15 22:22	7440-36-0	
Arsenic	3.2	mg/kg	0.89	0.24	1	10/19/15 14:14	10/21/15 22:22	7440-38-2	
Barium	23.4	mg/kg	17.7	0.23	1	10/19/15 14:14	10/21/15 22:22	7440-39-3	
Beryllium	0.12J	mg/kg	0.44	0.070	1	10/19/15 14:14	10/21/15 22:22	7440-41-7	
Cadmium	0.18J	mg/kg	0.44	0.057	1	10/19/15 14:14	10/21/15 22:22	7440-43-9	
Calcium	110000	mg/kg	885	23.6	10	10/19/15 14:14	10/22/15 13:01	7440-70-2	
Chromium	7.1	mg/kg	0.89	0.27	1	10/19/15 14:14	10/21/15 22:22	7440-47-3	
Cobalt	3.3	mg/kg	0.89	0.12	1	10/19/15 14:14	10/21/15 22:22	7440-48-4	
Copper	13.9	mg/kg	0.89	0.33	1	10/19/15 14:14	10/21/15 22:22	7440-50-8	
Iron	9280	mg/kg	4.4	0.68	1	10/19/15 14:14	10/21/15 22:22	7439-89-6	
Lead	4.4	mg/kg	0.44	0.24	1	10/19/15 14:14	10/21/15 22:22	7439-92-1	
Magnesium	65900	mg/kg	885	25.3	10	10/19/15 14:14	10/22/15 13:01	7439-95-4	
Manganese	315	mg/kg	0.89	0.17	1	10/19/15 14:14	10/21/15 22:22	7439-96-5	
Nickel	7.1	mg/kg	3.5	0.94	1	10/19/15 14:14	10/21/15 22:22	7440-02-0	
Potassium	792	mg/kg	88.5	2.8	1	10/19/15 14:14	10/21/15 22:22	7440-09-7	
Selenium	0.52J	mg/kg	1.8	0.18	1	10/19/15 14:14	10/21/15 22:22	7782-49-2	
Silver	<0.063	mg/kg	0.89	0.063	1	10/19/15 14:14	10/21/15 22:22	7440-22-4	
Sodium	142	mg/kg	88.5	14.9	1	10/19/15 14:14	10/21/15 22:22	7440-23-5	
Thallium	<0.13	mg/kg	0.44	0.13	1	10/19/15 14:14	10/21/15 22:22	7440-28-0	
Vanadium	12.7	mg/kg	4.4	0.27	1	10/19/15 14:14	10/21/15 22:22	7440-62-2	
Zinc	32.2	mg/kg	1.8	0.41	1	10/19/15 14:14	10/21/15 22:22	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/18/15 11:00

Arsenic	<0.0026	mg/L	0.010	0.0026	1	10/20/15 07:44	10/21/15 12:08	7440-38-2	
Barium	0.042J	mg/L	0.20	0.0037	1	10/20/15 07:44	10/21/15 12:08	7440-39-3	B
Beryllium	<0.00025	mg/L	0.0050	0.00025	1	10/20/15 07:44	10/21/15 12:08	7440-41-7	
Cadmium	<0.00027	mg/L	0.0050	0.00027	1	10/20/15 07:44	10/21/15 12:08	7440-43-9	
Chromium	<0.0018	mg/L	0.010	0.0018	1	10/20/15 07:44	10/21/15 12:08	7440-47-3	
Cobalt	<0.00050	mg/L	0.010	0.00050	1	10/20/15 07:44	10/21/15 12:08	7440-48-4	
Copper	<0.0024	mg/L	0.010	0.0024	1	10/20/15 07:44	10/21/15 12:08	7440-50-8	
Iron	0.68	mg/L	0.050	0.0073	1	10/20/15 07:44	10/21/15 12:08	7439-89-6	
Lead	<0.00084	mg/L	0.0050	0.00084	1	10/20/15 07:44	10/21/15 12:08	7439-92-1	
Manganese	0.0065J	mg/L	0.010	0.00065	1	10/20/15 07:44	10/21/15 12:08	7439-96-5	B
Nickel	0.00072J	mg/L	0.040	0.00041	1	10/20/15 07:44	10/21/15 12:08	7440-02-0	
Selenium	<0.0024	mg/L	0.020	0.0024	1	10/20/15 07:44	10/21/15 12:08	7782-49-2	
Silver	<0.00032	mg/L	0.010	0.00032	1	10/20/15 07:44	10/21/15 12:08	7440-22-4	
Zinc	0.0084J	mg/L	0.020	0.00076	1	10/20/15 07:44	10/21/15 12:08	7440-66-6	B

6010 Metals, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/21/15 17:00

Arsenic	0.0055J	mg/L	0.20	0.0053	1	10/22/15 12:12	10/22/15 17:01	7440-38-2	
Barium	0.14J	mg/L	2.0	0.0010	1	10/22/15 12:12	10/22/15 17:01	7440-39-3	B
Beryllium	<0.00050	mg/L	0.20	0.00050	1	10/22/15 12:12	10/22/15 17:01	7440-41-7	
Cadmium	<0.00054	mg/L	0.10	0.00054	1	10/22/15 12:12	10/22/15 17:01	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: PV-5 (0-6)-101415D Lab ID: 40122890029 Collected: 10/14/15 08:45 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Chromium	<0.0037	mg/L	0.20	0.0037	1	10/22/15 12:12	10/22/15 17:01	7440-47-3	
Cobalt	<0.0010	mg/L	0.20	0.0010	1	10/22/15 12:12	10/22/15 17:01	7440-48-4	
Copper	0.0059J	mg/L	0.20	0.0048	1	10/22/15 12:12	10/22/15 17:01	7440-50-8	B
Iron	<0.015	mg/L	1.0	0.015	1	10/22/15 12:12	10/22/15 17:01	7439-89-6	
Lead	<0.0017	mg/L	0.20	0.0017	1	10/22/15 12:12	10/22/15 17:01	7439-92-1	
Manganese	0.57	mg/L	0.13	0.0013	1	10/22/15 12:12	10/22/15 17:01	7439-96-5	
Nickel	0.0039J	mg/L	0.20	0.00082	1	10/22/15 12:12	10/22/15 17:01	7440-02-0	
Selenium	<0.0049	mg/L	0.20	0.0049	1	10/22/15 12:12	10/22/15 17:01	7782-49-2	
Silver	<0.00065	mg/L	0.20	0.00065	1	10/22/15 12:12	10/22/15 17:01	7440-22-4	
Zinc	0.078J	mg/L	0.20	0.0015	1	10/22/15 12:12	10/22/15 17:01	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/18/15 11:00									
Mercury	<0.000024	mg/L	0.00020	0.000024	1	10/20/15 07:58	10/21/15 11:00	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Mercury	<0.000024	mg/L	0.00020	0.000024	1	10/22/15 12:12	10/22/15 16:12	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.015J	mg/kg	0.021	0.011	1	10/19/15 15:05	10/20/15 14:33	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<62.9	ug/kg	210	62.9	1	10/21/15 08:58	10/22/15 08:30	83-32-9	
Acenaphthylene	<63.2	ug/kg	211	63.2	1	10/21/15 08:58	10/22/15 08:30	208-96-8	
Anthracene	<28.3	ug/kg	94.4	28.3	1	10/21/15 08:58	10/22/15 08:30	120-12-7	
Benzo(a)anthracene	<27.5	ug/kg	91.5	27.5	1	10/21/15 08:58	10/22/15 08:30	56-55-3	
Benzo(a)pyrene	<26.7	ug/kg	88.9	26.7	1	10/21/15 08:58	10/22/15 08:30	50-32-8	
Benzo(b)fluoranthene	<30.5	ug/kg	102	30.5	1	10/21/15 08:58	10/22/15 08:30	205-99-2	
Benzo(g,h,i)perylene	<46.4	ug/kg	155	46.4	1	10/21/15 08:58	10/22/15 08:30	191-24-2	
Benzo(k)fluoranthene	<42.4	ug/kg	141	42.4	1	10/21/15 08:58	10/22/15 08:30	207-08-9	
4-Bromophenylphenyl ether	<37.1	ug/kg	124	37.1	1	10/21/15 08:58	10/22/15 08:30	101-55-3	
Butylbenzylphthalate	<28.4	ug/kg	94.8	28.4	1	10/21/15 08:58	10/22/15 08:30	85-68-7	
Carbazole	<27.8	ug/kg	92.5	27.8	1	10/21/15 08:58	10/22/15 08:30	86-74-8	
4-Chloro-3-methylphenol	<55.2	ug/kg	184	55.2	1	10/21/15 08:58	10/22/15 08:30	59-50-7	
4-Chloroaniline	<29.1	ug/kg	97.1	29.1	1	10/21/15 08:58	10/22/15 08:30	106-47-8	
bis(2-Chloroethoxy)methane	<47.7	ug/kg	159	47.7	1	10/21/15 08:58	10/22/15 08:30	111-91-1	
bis(2-Chloroethyl) ether	<55.3	ug/kg	184	55.3	1	10/21/15 08:58	10/22/15 08:30	111-44-4	
2-Chloronaphthalene	<22.8	ug/kg	75.9	22.8	1	10/21/15 08:58	10/22/15 08:30	91-58-7	
2-Chlorophenol	<44.3	ug/kg	147	44.3	1	10/21/15 08:58	10/22/15 08:30	95-57-8	
4-Chlorophenylphenyl ether	<33.0	ug/kg	110	33.0	1	10/21/15 08:58	10/22/15 08:30	7005-72-3	
Chrysene	<26.5	ug/kg	88.4	26.5	1	10/21/15 08:58	10/22/15 08:30	218-01-9	
Dibenz(a,h)anthracene	<48.2	ug/kg	161	48.2	1	10/21/15 08:58	10/22/15 08:30	53-70-3	
Dibenzofuran	<21.5	ug/kg	71.5	21.5	1	10/21/15 08:58	10/22/15 08:30	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: PV-5 (0-6)-101415D **Lab ID: 40122890029** Collected: 10/14/15 08:45 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<55.7	ug/kg	186	55.7	1	10/21/15 08:58	10/22/15 08:30	95-50-1	
1,3-Dichlorobenzene	<24.6	ug/kg	81.8	24.6	1	10/21/15 08:58	10/22/15 08:30	541-73-1	
1,4-Dichlorobenzene	<24.7	ug/kg	82.3	24.7	1	10/21/15 08:58	10/22/15 08:30	106-46-7	
3,3'-Dichlorobenzidine	<48.1	ug/kg	160	48.1	1	10/21/15 08:58	10/22/15 08:30	91-94-1	
2,4-Dichlorophenol	<47.4	ug/kg	158	47.4	1	10/21/15 08:58	10/22/15 08:30	120-83-2	
Diethylphthalate	<29.4	ug/kg	98.0	29.4	1	10/21/15 08:58	10/22/15 08:30	84-66-2	
2,4-Dimethylphenol	<35.1	ug/kg	117	35.1	1	10/21/15 08:58	10/22/15 08:30	105-67-9	
Dimethylphthalate	<23.1	ug/kg	76.9	23.1	1	10/21/15 08:58	10/22/15 08:30	131-11-3	
Di-n-butylphthalate	<26.5	ug/kg	88.3	26.5	1	10/21/15 08:58	10/22/15 08:30	84-74-2	
4,6-Dinitro-2-methylphenol	<54.6	ug/kg	182	54.6	1	10/21/15 08:58	10/22/15 08:30	534-52-1	
2,4-Dinitrophenol	<54.0	ug/kg	180	54.0	1	10/21/15 08:58	10/22/15 08:30	51-28-5	
2,4-Dinitrotoluene	<25.4	ug/kg	84.5	25.4	1	10/21/15 08:58	10/22/15 08:30	121-14-2	
2,6-Dinitrotoluene	<33.7	ug/kg	112	33.7	1	10/21/15 08:58	10/22/15 08:30	606-20-2	
Di-n-octylphthalate	<39.9	ug/kg	133	39.9	1	10/21/15 08:58	10/22/15 08:30	117-84-0	
bis(2-Ethylhexyl)phthalate	<29.5	ug/kg	98.3	29.5	1	10/21/15 08:58	10/22/15 08:30	117-81-7	
Fluoranthene	<25.1	ug/kg	83.6	25.1	1	10/21/15 08:58	10/22/15 08:30	206-44-0	
Fluorene	<20.7	ug/kg	69.1	20.7	1	10/21/15 08:58	10/22/15 08:30	86-73-7	
Hexachloro-1,3-butadiene	<45.2	ug/kg	151	45.2	1	10/21/15 08:58	10/22/15 08:30	87-68-3	
Hexachlorobenzene	<29.8	ug/kg	99.4	29.8	1	10/21/15 08:58	10/22/15 08:30	118-74-1	
Hexachlorocyclopentadiene	<42.0	ug/kg	140	42.0	1	10/21/15 08:58	10/22/15 08:30	77-47-4	
Hexachloroethane	<28.4	ug/kg	94.6	28.4	1	10/21/15 08:58	10/22/15 08:30	67-72-1	
Indeno(1,2,3-cd)pyrene	<38.4	ug/kg	128	38.4	1	10/21/15 08:58	10/22/15 08:30	193-39-5	
Isophorone	<27.3	ug/kg	90.8	27.3	1	10/21/15 08:58	10/22/15 08:30	78-59-1	
2-Methylnaphthalene	<46.0	ug/kg	153	46.0	1	10/21/15 08:58	10/22/15 08:30	91-57-6	
2-Methylphenol(o-Cresol)	<32.2	ug/kg	107	32.2	1	10/21/15 08:58	10/22/15 08:30	95-48-7	
3&4-Methylphenol(m&p Cresol)	<32.5	ug/kg	108	32.5	1	10/21/15 08:58	10/22/15 08:30		
Naphthalene	<62.0	ug/kg	207	62.0	1	10/21/15 08:58	10/22/15 08:30	91-20-3	
2-Nitroaniline	<50.5	ug/kg	168	50.5	1	10/21/15 08:58	10/22/15 08:30	88-74-4	
3-Nitroaniline	<30.1	ug/kg	100	30.1	1	10/21/15 08:58	10/22/15 08:30	99-09-2	
4-Nitroaniline	<73.6	ug/kg	245	73.6	1	10/21/15 08:58	10/22/15 08:30	100-01-6	
Nitrobenzene	<36.0	ug/kg	120	36.0	1	10/21/15 08:58	10/22/15 08:30	98-95-3	
2-Nitrophenol	<56.0	ug/kg	187	56.0	1	10/21/15 08:58	10/22/15 08:30	88-75-5	
4-Nitrophenol	<44.6	ug/kg	149	44.6	1	10/21/15 08:58	10/22/15 08:30	100-02-7	
N-Nitroso-di-n-propylamine	<28.1	ug/kg	93.7	28.1	1	10/21/15 08:58	10/22/15 08:30	621-64-7	
N-Nitrosodiphenylamine	<241	ug/kg	802	241	1	10/21/15 08:58	10/22/15 08:30	86-30-6	
2,2'-Oxybis(1-chloropropane)	<45.7	ug/kg	152	45.7	1	10/21/15 08:58	10/22/15 08:30	108-60-1	
Pentachlorophenol	<39.0	ug/kg	130	39.0	1	10/21/15 08:58	10/22/15 08:30	87-86-5	
Phenanthrene	<22.7	ug/kg	75.8	22.7	1	10/21/15 08:58	10/22/15 08:30	85-01-8	
Phenol	<42.1	ug/kg	140	42.1	1	10/21/15 08:58	10/22/15 08:30	108-95-2	
Pyrene	<39.3	ug/kg	131	39.3	1	10/21/15 08:58	10/22/15 08:30	129-00-0	
1,2,4-Trichlorobenzene	<20.0	ug/kg	66.8	20.0	1	10/21/15 08:58	10/22/15 08:30	120-82-1	
2,4,5-Trichlorophenol	<31.3	ug/kg	104	31.3	1	10/21/15 08:58	10/22/15 08:30	95-95-4	
2,4,6-Trichlorophenol	<27.0	ug/kg	90.1	27.0	1	10/21/15 08:58	10/22/15 08:30	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	59	%	45-130		1	10/21/15 08:58	10/22/15 08:30	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: PV-5 (0-6)-101415D Lab ID: 40122890029 Collected: 10/14/15 08:45 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

2-Fluorobiphenyl (S)	62	%	51-130		1	10/21/15 08:58	10/22/15 08:30	321-60-8	
Terphenyl-d14 (S)	71	%	37-134		1	10/21/15 08:58	10/22/15 08:30	1718-51-0	
Phenol-d6 (S)	57	%	36-130		1	10/21/15 08:58	10/22/15 08:30	13127-88-3	
2-Fluorophenol (S)	51	%	37-130		1	10/21/15 08:58	10/22/15 08:30	367-12-4	
2,4,6-Tribromophenol (S)	65	%	30-130		1	10/21/15 08:58	10/22/15 08:30	118-79-6	

8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260

Acetone	9.6J	ug/kg	18.2	5.7	1	10/19/15 12:00	10/19/15 12:07	67-64-1	1q
Benzene	<1.5	ug/kg	4.6	1.5	1	10/19/15 12:00	10/19/15 12:07	71-43-2	
Bromodichloromethane	<1.0	ug/kg	4.6	1.0	1	10/19/15 12:00	10/19/15 12:07	75-27-4	
Bromoform	<0.77	ug/kg	4.6	0.77	1	10/19/15 12:00	10/19/15 12:07	75-25-2	
Bromomethane	<1.4	ug/kg	9.1	1.4	1	10/19/15 12:00	10/19/15 12:07	74-83-9	
2-Butanone (MEK)	<2.6	ug/kg	18.2	2.6	1	10/19/15 12:00	10/19/15 12:07	78-93-3	
Carbon disulfide	<1.2	ug/kg	4.6	1.2	1	10/19/15 12:00	10/19/15 12:07	75-15-0	
Carbon tetrachloride	<1.4	ug/kg	4.6	1.4	1	10/19/15 12:00	10/19/15 12:07	56-23-5	
Chlorobenzene	<1.4	ug/kg	4.6	1.4	1	10/19/15 12:00	10/19/15 12:07	108-90-7	
Chloroethane	<1.8	ug/kg	4.6	1.8	1	10/19/15 12:00	10/19/15 12:07	75-00-3	
Chloroform	<0.86	ug/kg	4.6	0.86	1	10/19/15 12:00	10/19/15 12:07	67-66-3	
Chloromethane	<0.51	ug/kg	4.6	0.51	1	10/19/15 12:00	10/19/15 12:07	74-87-3	
Dibromochloromethane	<1.6	ug/kg	4.6	1.6	1	10/19/15 12:00	10/19/15 12:07	124-48-1	
1,1-Dichloroethane	<2.2	ug/kg	4.6	2.2	1	10/19/15 12:00	10/19/15 12:07	75-34-3	
1,2-Dichloroethane	<0.89	ug/kg	4.6	0.89	1	10/19/15 12:00	10/19/15 12:07	107-06-2	
1,1-Dichloroethene	<2.1	ug/kg	4.6	2.1	1	10/19/15 12:00	10/19/15 12:07	75-35-4	
cis-1,2-Dichloroethene	<1.2	ug/kg	4.6	1.2	1	10/19/15 12:00	10/19/15 12:07	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/kg	4.6	1.1	1	10/19/15 12:00	10/19/15 12:07	156-60-5	
1,2-Dichloropropane	<1.1	ug/kg	4.6	1.1	1	10/19/15 12:00	10/19/15 12:07	78-87-5	
cis-1,3-Dichloropropene	<0.61	ug/kg	4.6	0.61	1	10/19/15 12:00	10/19/15 12:07	10061-01-5	
trans-1,3-Dichloropropene	<0.84	ug/kg	4.6	0.84	1	10/19/15 12:00	10/19/15 12:07	10061-02-6	
Ethylbenzene	<1.3	ug/kg	4.6	1.3	1	10/19/15 12:00	10/19/15 12:07	100-41-4	
2-Hexanone	<1.3	ug/kg	4.6	1.3	1	10/19/15 12:00	10/19/15 12:07	591-78-6	
Methylene Chloride	<1.7	ug/kg	4.6	1.7	1	10/19/15 12:00	10/19/15 12:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	<1.1	ug/kg	4.6	1.1	1	10/19/15 12:00	10/19/15 12:07	108-10-1	
Methyl-tert-butyl ether	<0.91	ug/kg	4.6	0.91	1	10/19/15 12:00	10/19/15 12:07	1634-04-4	
Styrene	<0.69	ug/kg	4.6	0.69	1	10/19/15 12:00	10/19/15 12:07	100-42-5	
1,1,2,2-Tetrachloroethane	<1.9	ug/kg	4.6	1.9	1	10/19/15 12:00	10/19/15 12:07	79-34-5	
Tetrachloroethene	<1.4	ug/kg	4.6	1.4	1	10/19/15 12:00	10/19/15 12:07	127-18-4	
Toluene	<1.4	ug/kg	4.6	1.4	1	10/19/15 12:00	10/19/15 12:07	108-88-3	
1,1,1-Trichloroethane	<1.4	ug/kg	4.6	1.4	1	10/19/15 12:00	10/19/15 12:07	71-55-6	
1,1,2-Trichloroethane	<1.7	ug/kg	4.6	1.7	1	10/19/15 12:00	10/19/15 12:07	79-00-5	
Trichloroethene	<1.8	ug/kg	4.6	1.8	1	10/19/15 12:00	10/19/15 12:07	79-01-6	
Vinyl chloride	<0.50	ug/kg	4.6	0.50	1	10/19/15 12:00	10/19/15 12:07	75-01-4	
Xylene (Total)	<4.1	ug/kg	13.7	4.1	1	10/19/15 12:00	10/19/15 12:07	1330-20-7	

Surrogates

Dibromofluoromethane (S)	100	%	70-130		1	10/19/15 12:00	10/19/15 12:07	1868-53-7	
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: PV-5 (0-6)-101415D **Lab ID: 40122890029** Collected: 10/14/15 08:45 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	111	%	67-138		1	10/19/15 12:00	10/19/15 12:07	2037-26-5	
4-Bromofluorobenzene (S)	88	%	68-130		1	10/19/15 12:00	10/19/15 12:07	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	5.8	%	0.10	0.10	1		10/15/15 18:08		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.46	Std. Units	0.100	0.0100	1		10/19/15 11:45		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: PV-5 (0-6)-101415 Lab ID: 40122890030 Collected: 10/14/15 08:40 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.11	mg/kg	3.2	0.11	1	10/19/15 14:14	10/21/15 22:26	7440-36-0	
Arsenic	2.3	mg/kg	1.1	0.29	1	10/19/15 14:14	10/21/15 22:26	7440-38-2	
Barium	15.2J	mg/kg	21.2	0.28	1	10/19/15 14:14	10/21/15 22:26	7440-39-3	
Beryllium	0.095J	mg/kg	0.53	0.084	1	10/19/15 14:14	10/21/15 22:26	7440-41-7	
Cadmium	0.13J	mg/kg	0.53	0.068	1	10/19/15 14:14	10/21/15 22:26	7440-43-9	
Calcium	148000	mg/kg	1060	28.3	10	10/19/15 14:14	10/22/15 13:05	7440-70-2	
Chromium	5.2	mg/kg	1.1	0.32	1	10/19/15 14:14	10/21/15 22:26	7440-47-3	
Cobalt	2.3	mg/kg	1.1	0.14	1	10/19/15 14:14	10/21/15 22:26	7440-48-4	
Copper	10.4	mg/kg	1.1	0.39	1	10/19/15 14:14	10/21/15 22:26	7440-50-8	
Iron	6830	mg/kg	5.3	0.82	1	10/19/15 14:14	10/21/15 22:26	7439-89-6	
Lead	2.4	mg/kg	0.53	0.29	1	10/19/15 14:14	10/21/15 22:26	7439-92-1	
Magnesium	86400	mg/kg	1060	30.3	10	10/19/15 14:14	10/22/15 13:05	7439-95-4	
Manganese	282	mg/kg	1.1	0.20	1	10/19/15 14:14	10/21/15 22:26	7439-96-5	
Nickel	4.9	mg/kg	4.2	1.1	1	10/19/15 14:14	10/21/15 22:26	7440-02-0	
Potassium	670	mg/kg	106	3.3	1	10/19/15 14:14	10/21/15 22:26	7440-09-7	
Selenium	0.56J	mg/kg	2.1	0.22	1	10/19/15 14:14	10/21/15 22:26	7782-49-2	
Silver	<0.075	mg/kg	1.1	0.075	1	10/19/15 14:14	10/21/15 22:26	7440-22-4	
Sodium	148	mg/kg	106	17.8	1	10/19/15 14:14	10/21/15 22:26	7440-23-5	
Thallium	<0.16	mg/kg	0.53	0.16	1	10/19/15 14:14	10/21/15 22:26	7440-28-0	
Vanadium	9.4	mg/kg	5.3	0.33	1	10/19/15 14:14	10/21/15 22:26	7440-62-2	
Zinc	21.6	mg/kg	2.1	0.49	1	10/19/15 14:14	10/21/15 22:26	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/18/15 11:00

Arsenic	<0.0026	mg/L	0.010	0.0026	1	10/20/15 07:44	10/21/15 12:12	7440-38-2	
Barium	0.030J	mg/L	0.20	0.0037	1	10/20/15 07:44	10/21/15 12:12	7440-39-3	B
Beryllium	<0.00025	mg/L	0.0050	0.00025	1	10/20/15 07:44	10/21/15 12:12	7440-41-7	
Cadmium	<0.00027	mg/L	0.0050	0.00027	1	10/20/15 07:44	10/21/15 12:12	7440-43-9	
Chromium	<0.0018	mg/L	0.010	0.0018	1	10/20/15 07:44	10/21/15 12:12	7440-47-3	
Cobalt	<0.00050	mg/L	0.010	0.00050	1	10/20/15 07:44	10/21/15 12:12	7440-48-4	
Copper	0.0055J	mg/L	0.010	0.0024	1	10/20/15 07:44	10/21/15 12:12	7440-50-8	
Iron	1.1	mg/L	0.050	0.0073	1	10/20/15 07:44	10/21/15 12:12	7439-89-6	
Lead	<0.00084	mg/L	0.0050	0.00084	1	10/20/15 07:44	10/21/15 12:12	7439-92-1	
Manganese	0.031	mg/L	0.010	0.00065	1	10/20/15 07:44	10/21/15 12:12	7439-96-5	
Nickel	0.0020J	mg/L	0.040	0.00041	1	10/20/15 07:44	10/21/15 12:12	7440-02-0	
Selenium	<0.0024	mg/L	0.020	0.0024	1	10/20/15 07:44	10/21/15 12:12	7782-49-2	
Silver	<0.00032	mg/L	0.010	0.00032	1	10/20/15 07:44	10/21/15 12:12	7440-22-4	
Zinc	0.014J	mg/L	0.020	0.00076	1	10/20/15 07:44	10/21/15 12:12	7440-66-6	B

6010 Metals, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/21/15 17:00

Arsenic	0.0056J	mg/L	0.20	0.0053	1	10/22/15 12:12	10/22/15 17:05	7440-38-2	
Barium	0.28J	mg/L	2.0	0.0010	1	10/22/15 12:12	10/22/15 17:05	7440-39-3	B
Beryllium	<0.00050	mg/L	0.20	0.00050	1	10/22/15 12:12	10/22/15 17:05	7440-41-7	
Cadmium	<0.00054	mg/L	0.10	0.00054	1	10/22/15 12:12	10/22/15 17:05	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: PV-5 (0-6)-101415 Lab ID: 40122890030 Collected: 10/14/15 08:40 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Chromium	<0.0037	mg/L	0.20	0.0037	1	10/22/15 12:12	10/22/15 17:05	7440-47-3	
Cobalt	<0.0010	mg/L	0.20	0.0010	1	10/22/15 12:12	10/22/15 17:05	7440-48-4	
Copper	0.012J	mg/L	0.20	0.0048	1	10/22/15 12:12	10/22/15 17:05	7440-50-8	B
Iron	<0.015	mg/L	1.0	0.015	1	10/22/15 12:12	10/22/15 17:05	7439-89-6	
Lead	0.014J	mg/L	0.20	0.0017	1	10/22/15 12:12	10/22/15 17:05	7439-92-1	
Manganese	0.71	mg/L	0.13	0.0013	1	10/22/15 12:12	10/22/15 17:05	7439-96-5	
Nickel	0.0042J	mg/L	0.20	0.00082	1	10/22/15 12:12	10/22/15 17:05	7440-02-0	
Selenium	<0.0049	mg/L	0.20	0.0049	1	10/22/15 12:12	10/22/15 17:05	7782-49-2	
Silver	<0.00065	mg/L	0.20	0.00065	1	10/22/15 12:12	10/22/15 17:05	7440-22-4	
Zinc	0.11J	mg/L	0.20	0.0015	1	10/22/15 12:12	10/22/15 17:05	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/18/15 11:00									
Mercury	0.000060J	mg/L	0.00020	0.000024	1	10/20/15 07:58	10/21/15 11:02	7439-97-6	B
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Mercury	<0.000024	mg/L	0.00020	0.000024	1	10/22/15 12:12	10/22/15 16:14	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.010J	mg/kg	0.016	0.0079	1	10/19/15 15:05	10/20/15 14:35	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<62.6	ug/kg	209	62.6	1	10/21/15 08:58	10/22/15 08:51	83-32-9	
Acenaphthylene	<63.0	ug/kg	210	63.0	1	10/21/15 08:58	10/22/15 08:51	208-96-8	
Anthracene	<28.2	ug/kg	94.1	28.2	1	10/21/15 08:58	10/22/15 08:51	120-12-7	
Benzo(a)anthracene	<27.3	ug/kg	91.1	27.3	1	10/21/15 08:58	10/22/15 08:51	56-55-3	
Benzo(a)pyrene	<26.6	ug/kg	88.6	26.6	1	10/21/15 08:58	10/22/15 08:51	50-32-8	
Benzo(b)fluoranthene	<30.3	ug/kg	101	30.3	1	10/21/15 08:58	10/22/15 08:51	205-99-2	
Benzo(g,h,i)perylene	<46.2	ug/kg	154	46.2	1	10/21/15 08:58	10/22/15 08:51	191-24-2	
Benzo(k)fluoranthene	<42.3	ug/kg	141	42.3	1	10/21/15 08:58	10/22/15 08:51	207-08-9	
4-Bromophenylphenyl ether	<37.0	ug/kg	123	37.0	1	10/21/15 08:58	10/22/15 08:51	101-55-3	
Butylbenzylphthalate	<28.3	ug/kg	94.4	28.3	1	10/21/15 08:58	10/22/15 08:51	85-68-7	
Carbazole	<27.6	ug/kg	92.1	27.6	1	10/21/15 08:58	10/22/15 08:51	86-74-8	
4-Chloro-3-methylphenol	<54.9	ug/kg	183	54.9	1	10/21/15 08:58	10/22/15 08:51	59-50-7	
4-Chloroaniline	<29.0	ug/kg	96.7	29.0	1	10/21/15 08:58	10/22/15 08:51	106-47-8	
bis(2-Chloroethoxy)methane	<47.6	ug/kg	158	47.6	1	10/21/15 08:58	10/22/15 08:51	111-91-1	
bis(2-Chloroethyl) ether	<55.1	ug/kg	184	55.1	1	10/21/15 08:58	10/22/15 08:51	111-44-4	
2-Chloronaphthalene	<22.7	ug/kg	75.6	22.7	1	10/21/15 08:58	10/22/15 08:51	91-58-7	
2-Chlorophenol	<44.1	ug/kg	147	44.1	1	10/21/15 08:58	10/22/15 08:51	95-57-8	
4-Chlorophenylphenyl ether	<32.9	ug/kg	110	32.9	1	10/21/15 08:58	10/22/15 08:51	7005-72-3	
Chrysene	<26.4	ug/kg	88.0	26.4	1	10/21/15 08:58	10/22/15 08:51	218-01-9	
Dibenz(a,h)anthracene	<48.0	ug/kg	160	48.0	1	10/21/15 08:58	10/22/15 08:51	53-70-3	
Dibenzofuran	<21.4	ug/kg	71.2	21.4	1	10/21/15 08:58	10/22/15 08:51	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: PV-5 (0-6)-101415 **Lab ID: 40122890030** Collected: 10/14/15 08:40 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<55.5	ug/kg	185	55.5	1	10/21/15 08:58	10/22/15 08:51	95-50-1	
1,3-Dichlorobenzene	<24.5	ug/kg	81.5	24.5	1	10/21/15 08:58	10/22/15 08:51	541-73-1	
1,4-Dichlorobenzene	<24.6	ug/kg	82.0	24.6	1	10/21/15 08:58	10/22/15 08:51	106-46-7	
3,3'-Dichlorobenzidine	<47.9	ug/kg	160	47.9	1	10/21/15 08:58	10/22/15 08:51	91-94-1	
2,4-Dichlorophenol	<47.2	ug/kg	157	47.2	1	10/21/15 08:58	10/22/15 08:51	120-83-2	
Diethylphthalate	<29.3	ug/kg	97.6	29.3	1	10/21/15 08:58	10/22/15 08:51	84-66-2	
2,4-Dimethylphenol	<34.9	ug/kg	116	34.9	1	10/21/15 08:58	10/22/15 08:51	105-67-9	
Dimethylphthalate	<23.0	ug/kg	76.6	23.0	1	10/21/15 08:58	10/22/15 08:51	131-11-3	
Di-n-butylphthalate	<26.4	ug/kg	88.0	26.4	1	10/21/15 08:58	10/22/15 08:51	84-74-2	
4,6-Dinitro-2-methylphenol	<54.4	ug/kg	181	54.4	1	10/21/15 08:58	10/22/15 08:51	534-52-1	
2,4-Dinitrophenol	<53.8	ug/kg	179	53.8	1	10/21/15 08:58	10/22/15 08:51	51-28-5	
2,4-Dinitrotoluene	<25.3	ug/kg	84.2	25.3	1	10/21/15 08:58	10/22/15 08:51	121-14-2	
2,6-Dinitrotoluene	<33.5	ug/kg	112	33.5	1	10/21/15 08:58	10/22/15 08:51	606-20-2	
Di-n-octylphthalate	<39.7	ug/kg	132	39.7	1	10/21/15 08:58	10/22/15 08:51	117-84-0	
bis(2-Ethylhexyl)phthalate	<29.4	ug/kg	97.9	29.4	1	10/21/15 08:58	10/22/15 08:51	117-81-7	
Fluoranthene	<25.0	ug/kg	83.3	25.0	1	10/21/15 08:58	10/22/15 08:51	206-44-0	
Fluorene	<20.6	ug/kg	68.8	20.6	1	10/21/15 08:58	10/22/15 08:51	86-73-7	
Hexachloro-1,3-butadiene	<45.0	ug/kg	150	45.0	1	10/21/15 08:58	10/22/15 08:51	87-68-3	
Hexachlorobenzene	<29.7	ug/kg	99.0	29.7	1	10/21/15 08:58	10/22/15 08:51	118-74-1	
Hexachlorocyclopentadiene	<41.8	ug/kg	139	41.8	1	10/21/15 08:58	10/22/15 08:51	77-47-4	
Hexachloroethane	<28.3	ug/kg	94.2	28.3	1	10/21/15 08:58	10/22/15 08:51	67-72-1	
Indeno(1,2,3-cd)pyrene	<38.2	ug/kg	127	38.2	1	10/21/15 08:58	10/22/15 08:51	193-39-5	
Isophorone	<27.1	ug/kg	90.5	27.1	1	10/21/15 08:58	10/22/15 08:51	78-59-1	
2-Methylnaphthalene	<45.8	ug/kg	153	45.8	1	10/21/15 08:58	10/22/15 08:51	91-57-6	
2-Methylphenol(o-Cresol)	<32.1	ug/kg	107	32.1	1	10/21/15 08:58	10/22/15 08:51	95-48-7	
3&4-Methylphenol(m&p Cresol)	<32.4	ug/kg	108	32.4	1	10/21/15 08:58	10/22/15 08:51		
Naphthalene	<61.7	ug/kg	206	61.7	1	10/21/15 08:58	10/22/15 08:51	91-20-3	
2-Nitroaniline	<50.3	ug/kg	168	50.3	1	10/21/15 08:58	10/22/15 08:51	88-74-4	
3-Nitroaniline	<30.0	ug/kg	100	30.0	1	10/21/15 08:58	10/22/15 08:51	99-09-2	
4-Nitroaniline	<73.3	ug/kg	244	73.3	1	10/21/15 08:58	10/22/15 08:51	100-01-6	
Nitrobenzene	<35.8	ug/kg	119	35.8	1	10/21/15 08:58	10/22/15 08:51	98-95-3	
2-Nitrophenol	<55.7	ug/kg	186	55.7	1	10/21/15 08:58	10/22/15 08:51	88-75-5	
4-Nitrophenol	<44.5	ug/kg	148	44.5	1	10/21/15 08:58	10/22/15 08:51	100-02-7	
N-Nitroso-di-n-propylamine	<28.0	ug/kg	93.3	28.0	1	10/21/15 08:58	10/22/15 08:51	621-64-7	
N-Nitrosodiphenylamine	<240	ug/kg	799	240	1	10/21/15 08:58	10/22/15 08:51	86-30-6	
2,2'-Oxybis(1-chloropropane)	<45.5	ug/kg	152	45.5	1	10/21/15 08:58	10/22/15 08:51	108-60-1	
Pentachlorophenol	<38.9	ug/kg	130	38.9	1	10/21/15 08:58	10/22/15 08:51	87-86-5	
Phenanthrene	<22.7	ug/kg	75.5	22.7	1	10/21/15 08:58	10/22/15 08:51	85-01-8	
Phenol	<41.9	ug/kg	140	41.9	1	10/21/15 08:58	10/22/15 08:51	108-95-2	
Pyrene	<39.1	ug/kg	130	39.1	1	10/21/15 08:58	10/22/15 08:51	129-00-0	
1,2,4-Trichlorobenzene	<20.0	ug/kg	66.5	20.0	1	10/21/15 08:58	10/22/15 08:51	120-82-1	
2,4,5-Trichlorophenol	<31.2	ug/kg	104	31.2	1	10/21/15 08:58	10/22/15 08:51	95-95-4	
2,4,6-Trichlorophenol	<26.9	ug/kg	89.7	26.9	1	10/21/15 08:58	10/22/15 08:51	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	73	%	45-130		1	10/21/15 08:58	10/22/15 08:51	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: PV-5 (0-6)-101415 **Lab ID: 40122890030** Collected: 10/14/15 08:40 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	68	%	51-130		1	10/21/15 08:58	10/22/15 08:51	321-60-8	
Terphenyl-d14 (S)	72	%	37-134		1	10/21/15 08:58	10/22/15 08:51	1718-51-0	
Phenol-d6 (S)	68	%	36-130		1	10/21/15 08:58	10/22/15 08:51	13127-88-3	
2-Fluorophenol (S)	67	%	37-130		1	10/21/15 08:58	10/22/15 08:51	367-12-4	
2,4,6-Tribromophenol (S)	70	%	30-130		1	10/21/15 08:58	10/22/15 08:51	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.5	ug/kg	14.4	4.5	1	10/19/15 12:00	10/19/15 12:30	67-64-1	2q
Benzene	<1.2	ug/kg	3.6	1.2	1	10/19/15 12:00	10/19/15 12:30	71-43-2	
Bromodichloromethane	<0.79	ug/kg	3.6	0.79	1	10/19/15 12:00	10/19/15 12:30	75-27-4	
Bromoform	<0.61	ug/kg	3.6	0.61	1	10/19/15 12:00	10/19/15 12:30	75-25-2	
Bromomethane	<1.1	ug/kg	7.2	1.1	1	10/19/15 12:00	10/19/15 12:30	74-83-9	
2-Butanone (MEK)	<2.0	ug/kg	14.4	2.0	1	10/19/15 12:00	10/19/15 12:30	78-93-3	
Carbon disulfide	<0.93	ug/kg	3.6	0.93	1	10/19/15 12:00	10/19/15 12:30	75-15-0	
Carbon tetrachloride	<1.1	ug/kg	3.6	1.1	1	10/19/15 12:00	10/19/15 12:30	56-23-5	
Chlorobenzene	<1.1	ug/kg	3.6	1.1	1	10/19/15 12:00	10/19/15 12:30	108-90-7	
Chloroethane	<1.4	ug/kg	3.6	1.4	1	10/19/15 12:00	10/19/15 12:30	75-00-3	
Chloroform	<0.68	ug/kg	3.6	0.68	1	10/19/15 12:00	10/19/15 12:30	67-66-3	
Chloromethane	<0.40	ug/kg	3.6	0.40	1	10/19/15 12:00	10/19/15 12:30	74-87-3	
Dibromochloromethane	<1.2	ug/kg	3.6	1.2	1	10/19/15 12:00	10/19/15 12:30	124-48-1	
1,1-Dichloroethane	<1.7	ug/kg	3.6	1.7	1	10/19/15 12:00	10/19/15 12:30	75-34-3	
1,2-Dichloroethane	<0.71	ug/kg	3.6	0.71	1	10/19/15 12:00	10/19/15 12:30	107-06-2	
1,1-Dichloroethene	<1.6	ug/kg	3.6	1.6	1	10/19/15 12:00	10/19/15 12:30	75-35-4	
cis-1,2-Dichloroethene	<0.95	ug/kg	3.6	0.95	1	10/19/15 12:00	10/19/15 12:30	156-59-2	
trans-1,2-Dichloroethene	<0.89	ug/kg	3.6	0.89	1	10/19/15 12:00	10/19/15 12:30	156-60-5	
1,2-Dichloropropane	<0.91	ug/kg	3.6	0.91	1	10/19/15 12:00	10/19/15 12:30	78-87-5	
cis-1,3-Dichloropropene	<0.48	ug/kg	3.6	0.48	1	10/19/15 12:00	10/19/15 12:30	10061-01-5	
trans-1,3-Dichloropropene	<0.67	ug/kg	3.6	0.67	1	10/19/15 12:00	10/19/15 12:30	10061-02-6	
Ethylbenzene	<1.0	ug/kg	3.6	1.0	1	10/19/15 12:00	10/19/15 12:30	100-41-4	
2-Hexanone	<1.1	ug/kg	3.6	1.1	1	10/19/15 12:00	10/19/15 12:30	591-78-6	
Methylene Chloride	<1.3	ug/kg	3.6	1.3	1	10/19/15 12:00	10/19/15 12:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.88	ug/kg	3.6	0.88	1	10/19/15 12:00	10/19/15 12:30	108-10-1	
Methyl-tert-butyl ether	<0.72	ug/kg	3.6	0.72	1	10/19/15 12:00	10/19/15 12:30	1634-04-4	
Styrene	<0.55	ug/kg	3.6	0.55	1	10/19/15 12:00	10/19/15 12:30	100-42-5	
1,1,2,2-Tetrachloroethane	<1.5	ug/kg	3.6	1.5	1	10/19/15 12:00	10/19/15 12:30	79-34-5	
Tetrachloroethene	<1.1	ug/kg	3.6	1.1	1	10/19/15 12:00	10/19/15 12:30	127-18-4	
Toluene	<1.1	ug/kg	3.6	1.1	1	10/19/15 12:00	10/19/15 12:30	108-88-3	
1,1,1-Trichloroethane	<1.1	ug/kg	3.6	1.1	1	10/19/15 12:00	10/19/15 12:30	71-55-6	
1,1,2-Trichloroethane	<1.4	ug/kg	3.6	1.4	1	10/19/15 12:00	10/19/15 12:30	79-00-5	
Trichloroethene	<1.4	ug/kg	3.6	1.4	1	10/19/15 12:00	10/19/15 12:30	79-01-6	
Vinyl chloride	<0.39	ug/kg	3.6	0.39	1	10/19/15 12:00	10/19/15 12:30	75-01-4	
Xylene (Total)	<3.2	ug/kg	10.8	3.2	1	10/19/15 12:00	10/19/15 12:30	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	104	%	70-130		1	10/19/15 12:00	10/19/15 12:30	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: PV-5 (0-6)-101415 **Lab ID: 40122890030** Collected: 10/14/15 08:40 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	105	%	67-138		1	10/19/15 12:00	10/19/15 12:30	2037-26-5	
4-Bromofluorobenzene (S)	95	%	68-130		1	10/19/15 12:00	10/19/15 12:30	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	5.5	%	0.10	0.10	1		10/15/15 18:08		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.01	Std. Units	0.100	0.0100	1		10/19/15 11:45		H6

Revised 11/05/15 16:33

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: EDI

Branch/Location:

Project Contact: Patricia/Colina

Phone: 312-345-1400

Project Number: 0295, 020

Project Name: FAT 55

Project State: FL

Sampled By (Print): Colin Penick

Sampled By (Sign): [Signature]

PO #:

Regulatory Program:

Data Package Options (billable)

MS/MSD (billable)

Matrix Codes

Page Lab #

Client Field ID

Date

Time

Matrix

Analyses Requested

VOCs

SVOCs

Total Metals

TCLP Metals

FACE Analytical

CHAIN OF CUSTODY

UPPER MIDWEST REGION

MIN: 612-607-1700

WI: 920-469-2436

Page 1 of 1

Page 442 of 447

Quote #:

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

40122890

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Version: 6.0 08/13/06

Version: 6.0 08/13/06

Version: 6.0 08/13/06

(Please Print Clearly)

Company Name: EDT
Branch/Location:
Project Contact: Patricia Cain
Phone:
Project Number: 0295.020
Project Name: IDOT 025-05 6ETS
Project State: Illinois
Sampled By (Print): Margaret O'Brien-Skibic
Sampled By (Sign): mgobrien

DATA PACKAGE OPTIONS (billable)
 EPA Level III
 EPA Level IV
MS/MSD (billable)
 On your sample
 NOT needed on your sample
Matrix Codes:
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe
Regulatory Program:
FILTERED? (YES/NO)
PRESERVATION (CODE)

PAGE LAB # CLIENT FIELD ID
014 M11-1(0-5)-101415
015 M11-1(5-9)-101415
016 M11-2(0-5)-101415
017 M11-2(5-9)-101415
018 M11-3(0-5)-101415
019 M11-3(5-9)-101415
020 M11-4(0-6)-101415
021 AB-2(0-7)-101415
022 AB-2(0-7)-101415
023 AB-1(0-7)-101415
024 M11-1(0-5)-101415
025 M11-1(5-10)-101415
026 M11-2(0-5)-101415

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
Date Needed:
Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:
Samples on HOLD are subject to special pricing and release of liability



CHAIN OF CUSTODY

AN=None B=HCL C=H2SO4 D=HNO3 E=D1 Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Y/N
Pick Letter

Analyses Requested	Y/N	Pick Letter
VOCS	X	E
SVOCS	X	F
Total Metals	X	A
Total Metals	X	A
SPLP Metals	X	A
pH	X	A

Quote #:
 Mail To Contact:
 Mail To Company:
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)
 Profile #

DATE	TIME	MATRIX	Relinquished By:	Date/Time:	Received By:	Date/Time:
10-14-15	0610	S	Margaret O'Brien-Skibic	10-14-15 1559	Margaret O'Brien-Skibic	10-14-15 1559
10-14-15	0815	S	Margaret O'Brien-Skibic	10-14-15 1730	Margaret O'Brien-Skibic	10-14-15 1730
10-14-15	0838	S	Margaret O'Brien-Skibic	10-14-15 1730	Margaret O'Brien-Skibic	10-14-15 1730
10-14-15	0842	S	Margaret O'Brien-Skibic	10-14-15 1730	Margaret O'Brien-Skibic	10-14-15 1730
10-14-15	0900	S	Margaret O'Brien-Skibic	10-14-15 1730	Margaret O'Brien-Skibic	10-14-15 1730
10-14-15	0905	S	Margaret O'Brien-Skibic	10-14-15 1730	Margaret O'Brien-Skibic	10-14-15 1730
10-14-15	0920	S	Margaret O'Brien-Skibic	10-14-15 1730	Margaret O'Brien-Skibic	10-14-15 1730
10-14-15	1000	S	Margaret O'Brien-Skibic	10-14-15 1730	Margaret O'Brien-Skibic	10-14-15 1730
10-14-15	100	S	Margaret O'Brien-Skibic	10-14-15 1730	Margaret O'Brien-Skibic	10-14-15 1730
10-14-15	1035	S	Margaret O'Brien-Skibic	10-14-15 1730	Margaret O'Brien-Skibic	10-14-15 1730
10-14-15	1100	S	Margaret O'Brien-Skibic	10-14-15 1730	Margaret O'Brien-Skibic	10-14-15 1730
10-14-15	1120	S	Margaret O'Brien-Skibic	10-14-15 1730	Margaret O'Brien-Skibic	10-14-15 1730
10-14-15	1130	S	Margaret O'Brien-Skibic	10-14-15 1730	Margaret O'Brien-Skibic	10-14-15 1730

PAGE Project No. 40122890
 Receipt Temp = 20.41°C
 Sample Receipt pH
 OK / Adjusted
 Cooler Custody Seal Present / Not Present Intact / Not Intact

(Please Print Clearly)



UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

CHAIN OF CUSTODY

Preservation Codes
A=None B=HCl C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
PRESERVATION
(CODE)*

Company Name: **EDI**
 Branch/Location: **Phicia/Colin**
 Project Contact: **Phicia/Colin**
 Phone: **912-345-1400**
 Project Number: **0295.020**
 Project Name: **FAT 55**
 Project State: **FL**
 Sampled By (Print): **Colin Paries**
 Sampled By (Sign): *[Signature]*
 PO #:

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD (billable)
 On your sample
 NOT needed on your sample

Matrix Codes
 A = Air B = Soda C = Charcoal D = Oil E = Soil
 F = Sludge W = Water DW = Drinking Water
 GW = Ground Water SW = Surface Water
 WW = Waste Water WP = Wipe

PAGE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
027	PV-3(0-8)-101415	10/14/15	0730	Soil
028	PV-4(0-8)-101415		0830	
029	PV-5(0-6)-101415 D		0845	
030	PV-5(0-6)-101415		0840	
031	CC-2(0-5)-101415		0950	
032	CC-2(5-9)-101415		1000	
033	CC-1(0-3)-101415		1010	
034	R-2(0-5)-101415		1025	
035	R-2(5-9)-101415		1035	
036	R-1(0-5)-101415		1050	
037	R-1(0-5)-101415 D		1055	
038	R-1(5-9)-101415		1105	
039	ALZ-12(0-5)-101415		1125	

Analyses Requested

V/I/N	Pick Letter	
X		VOCs
X		SVOCs
X		Total Metals
X		TCLP Metals
X		SPLP Metals
X		pH

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed:

Transmit Prelim Rush Results by (complete what you want):
 Email #1:
 Email #2:
 Telephone:
 Fax:

Relinquished By: *[Signature]* Date/Time: 10/14/15 1535
 Relinquished By: *[Signature]* Date/Time: 10/14/15 1720
 Relinquished By: *[Signature]* Date/Time: 10/15/15 0835

Received By: *[Signature]* Date/Time: 10/14/15 1535
 Received By: *[Signature]* Date/Time: 10/14/15 1720
 Received By: *[Signature]* Date/Time: 10/15/15 0835

Quote #:
 Mail To Contact:
 Mail To Company:
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)
 Profile #

COOLER CUSTODY SEAL
 Present / Not Present
 Intact / Not Intact

Receipt Temp = 00410
 Sample Receipt pH
 OK / Adjusted

(Please Print Clearly)

Company Name: EDI
Branch/Location:
Project Contact: Patricia Cain
Phone:
Project Number: 0295.0020
Project Name: DOT 035-US6 E-555
Project State: Illinois
Sampled By (Print): Margaret Darny-Subic
Sampled By (Sign): mgstsubic

CHAIN OF CUSTODY



UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Filtered? (YES/NO)
PRESERVATION (CODE)*
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Regulatory Program:

V/I/N	Pick Letter	ANALYSES REQUESTED
N	EF	VOCs
N	A	SVOCs
N	D	Total Metals
N	A	TECP Metals
N	D	OPRP Metals
N	D	PH

Matrix Codes

Matrix Codes
A = Air
B = Bids
C = Charcoal
O = Oil
S = Soil
SI = Sludge
W = Water
DW = Drinking Water
GW = Ground Water
SW = Surface Water
WW = Waste Water
WP = Wipe

Data Package Options (billable)
 EPA Level III
 EPA Level IV

M/S/M/S/D (billable)
 On your sample (billable)
 NOT needed on your sample

CLIENT FIELD ID

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX
D4D	VU-2(5-10)-101415	10-14-15	1135	S
D4I	VU-3(0-7)-101415	10-14-15	1230	S
D4A	VU-1-3(7-14)-101415	10-14-15	1235	S
D43	VU-1-4(0-5)-101415	10-14-15	1253	S
D44	VU-1-4(5-10)-101415	10-14-15	1258	S
D45	VU-1-5(0-5)-101415	10-14-15	1315	S
D4P	VU-1-5(0-5)-101415D	10-14-15	1315	S

Requester By	Date/Time	Received By	Date/Time
Requester By: Brian Kueyprunk	Date/Time: 10/15/15 1533	Received By: Brian Kueyprunk	Date/Time: 10/19/15 1337
Requester By: AS Logishis	Date/Time: 10/15/15 0935	Received By: Anne Rose	Date/Time: 10/17/15
Requester By:	Date/Time:	Received By:	Date/Time:

Quote #:	LAB COMMENTS (Lab Use Only)	Profile #
	3-40ml EET 3-40mg/L	
	LAST ITEM	

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:
Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Relinquished By:
Relinquished By:
Relinquished By:
Relinquished By:

Received By:
Received By:
Received By:
Received By:

Receipt Temp = 0.041M
Sample Receipt pH
Cooler Custody Seal Present / Not Present
Intact / Not Intact

(Please Print Clearly)

Company Name: EDI
Branch/Location:
Project Contact: Patricia Kolin
Phone:
Project Number: 0295-000
Project Name: 1DOT 025-US6ET-33
Project State: Illinois
Sampled By (Print): Margaret Downy-Skoric
Sampled By (Sign): [Signature]

Regulatory Program:
Data Package Options
 (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
A = Air
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Regulatory Program:
Matrix Codes
W = Water
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Matrix Codes
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CHAIN OF CUSTODY

Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Y/N	Pick Letter	ANALYSES REQUESTED
N	EF	VOCs
N	A	SVOCs
N	A	Total Metals
N	A	TCLP Metals
N	D	SPLP Metals
N	A	pH

Quote #:

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	ANALYSES REQUESTED	RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	RECEIVED BY	DATE/TIME	RECEIVED BY	DATE/TIME
047	VV-5(5-10)-101415	10-14-15	1320	S	X	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533
048	SG-1(10-7)-101415	10-14-15	1405	S	X	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533
049	SG-2(10-5)-101415	10-14-15	1427	S	X	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533
050	SG-2(5-9)-101415	10-14-15	1432	S	X	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533
051	PG-1(10-5)-101415	10-14-15	1500	S	X	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533
052	PG-1(5-9)-101415	10-14-15	1505	S	X	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533
053	A12-6(15-9)-101415	10-14-15	1510	S	X	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533	Patricia Kolin	10-14-15 1533



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAI 55: Interstate Route 55 at US Route 6 Office Phone Number, if available: _____

Physical Site Location (address, including number and street):
23000 block of Eames Street (ISGS Site No. 693V-27)

City: Channahon State: IL Zip Code: _____

County: Will Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.460034026 Longitude: -88.188432753
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: _____ BOL: _____ BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

Street Address: 201 West Center Court

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: Schaumburg State: IL

Zip Code: 60196-1096 Phone: 847-705-4101

Zip Code: 60196-1096 Phone: 847-705-4101

Contact: Sam Mead

Contact: Sam Mead

Email, if available: Sam.Mead@illinois.gov

Email, if available: Sam.Mead@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAI 55: Interstate Route 55 at US Route 6

Latitude: 41.460034026 Longitude: -88.188432753

Uncontaminated Site Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

- a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a):

LOCATIONS AL2-1 THROUGH AL2-10, AL2-12, AND AL2-14 THROUGH AL2-16 WERE SAMPLED ADJACENT TO ISGS SITE No. 693V-27. SEE FIGURES 3-2, 3-3, AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

- b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

PACE ANALYTICAL REPORT - JOB ID: 40122748, 40122890, AND 40123074
ALSO SEE FIGURES 4-2 AND 4-3 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, William F. Karlovitz, P.E. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Weston Solutions, Inc.

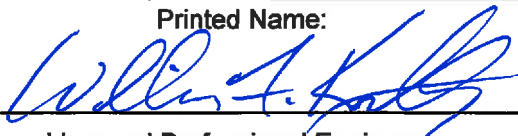
Street Address: 300 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

William F. Karlovitz, P.E.

Printed Name:


 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

14 Dec. 2015

Date:



P.E. or L.P.G. Seal:

Summary Table of ISGS Site No. 693V-27
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	AL2-1 (0-6)-101615	AL2-2 (0-6)-101615	AL2-3 (0-6)-101615	AL2-4 (0-5)-101515	AL2-4 (5-9)-101515	Soil Reference Concentrations ^A
Sample Date	10/16/2015	10/16/2015	10/16/2015	10/15/2015	10/15/2015	
Location ID	AL2-1	AL2-2	AL2-3	AL2-4	AL2-4	
Depth	0 - 6	0 - 6	0 - 6	0 - 5	5 - 9	
Lab Sample ID	40123074012	40123074011	40123074010	40122963019	40122963020	
Location Code	693V-27	693V-27	693V-27	693V-27	693V-27	
Parameter						
Laboratory pH	7.7 J	7.63 J	7.59 J	7.39 J	8.43 J	<6.25, >9.0
VOCs (ug/kg)						
Acetone	ND	ND	ND	ND	ND	25000
Methyl ethyl ketone	ND	ND	ND	ND	ND	---
Toluene	ND	ND	1.5 J	ND	ND	12000
SVOCs (ug/kg)						
Benzo(a)pyrene	ND	ND	ND	ND	ND	90 / 1300 / 2100
Total Metals (mg/kg)						
Arsenic, Total	5.7	7.6 J	7.6 J	5.4	4.9 J	11.3 / 13.0
Barium, Total	49.4	30.3	37.7	60.7	16.2	1500
Beryllium, Total	0.44 J	0.37 J	0.48 J	0.49	0.11 J	22
Cadmium, Total	ND	ND	ND	ND	ND	5.2
Calcium, Total	72300	108000	60400	77100	125000	---
Chromium, Total	13.2	15.7	15.4	15.2	7.1	21
Cobalt, Total	5.9	8.5	6.8	5.3	7.4	20
Copper, Total	13	33.7	13.5	13.1	48.6	2900
Iron, Total	12900	21300	14000	13400	17600	15000 / 15900
Lead, Total	12	13.3	12	10.8	3.1	107
Magnesium, Total	42300	62600	35700	42400	71600	325000
Manganese, Total	595	577	382	494	465	630 / 636
Mercury, Total	0.017	0.019	0.021	0.0088 J	ND	0.89
Nickel, Total	12	23.7	13.9	12.6	10.6	100
Potassium, Total	1890	1500	1850	2280	1000	---
Selenium, Total	ND	ND	ND	ND	ND	1.3
Sodium, Total	115 J	634	83.4 J	97.6 J	369	---
Thallium, Total	ND	ND	ND	ND	ND	2.6
Vanadium, Total	24.7	40.4	26.3	28.4	56.3	550
Zinc, Total	34.6	32.8	28	32	25.1	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.27 J	0.3 J	0.27 J	0.5 J	ND	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	0.089	1
Copper, TCLP	ND	ND	ND	ND	0.012	0.65
Iron, TCLP	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.29	1	0.79	0.17	4.9	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	0.0052 J	0.047	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	ND	ND	ND	0.011 J	5
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	ND	ND	0.009 J	ND	0.05
Barium, SPLP	0.7	0.31 J	0.86	0.22 J	0.0054 J	2
Beryllium, SPLP	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	0.00045 J	ND	0.005
Chromium, SPLP	ND	ND	ND	0.035	ND	0.1
Cobalt, SPLP	ND	ND	ND	0.0073 J	ND	1
Copper, SPLP	ND	ND	ND	0.029	ND	0.65
Iron, SPLP	13.3	3.8	9.7	31.2	0.02 J	5
Lead, SPLP	0.0074 J	ND	0.0044 J	0.018	ND	0.0075
Manganese, SPLP	0.14	0.032 J	0.096	0.49	ND	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	ND	ND	0.036	ND	0.1
Selenium, SPLP	ND	ND	ND	0.006 J	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.17	0.027 J	0.3	0.1	ND	5

Summary Table of ISGS Site No. 693V-27
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	AL2-5 (0-5)-101515	AL2-5 (5-9)-101515	AL2-6 (0-5)-101415	AL2-6 (5-9)-101415	AL2-7 (0-5)-101415	Soil Reference Concentrations ^A
Sample Date	10/15/2015	10/15/2015	10/14/2015	10/14/2015	10/14/2015	
Location ID	AL2-5	AL2-5	AL2-6	AL2-6	AL2-7	
Depth	0 - 5	5 - 9	0 - 5	5 - 9	0 - 5	
Lab Sample ID	40122963017	40122963018	40122890013	40122890053	40122890010	
Location Code	693V-27	693V-27	693V-27	693V-27	693V-27	
Parameter						
Laboratory pH	8.69 J	8.78 J	8.02 J	8.43 J	8.02 J	<6.25, >9.0
VOCs (ug/kg)						
Acetone	ND	ND	ND	ND	ND	25000
Methyl ethyl ketone	ND	ND	ND	ND	ND	---
Toluene	ND	ND	ND	ND	ND	12000
SVOCs (ug/kg)						
Benzo(a)pyrene	334	201	114	51.2 J	59.6 J	90 / 1300 / 2100
Total Metals (mg/kg)						
Arsenic, Total	5.2	3.9 J	7.7	3.2	7.3	11.3 / 13.0
Barium, Total	78.2	31	88.3	34.6	92.4	1500
Beryllium, Total	0.46	0.12 J	0.64	0.21 J	0.64	22
Cadmium, Total	0.13 J	ND	ND	0.15 J	ND	5.2
Calcium, Total	86000	99800	21000	72300	28500	---
Chromium, Total	28.8	16.6	17.7	10.3	18.1	21
Cobalt, Total	6.6	4.8	7	3.3	7.5	20
Copper, Total	32.7	28	21.4	11.8	24	2900
Iron, Total	17900	12100	17500	9930	17000	15000 / 15900
Lead, Total	95.9	7.5	28.5	19.8	42.3	107
Magnesium, Total	46800	56000	13900	39500	18800	325000
Manganese, Total	480	419	597 J	306	619 J	630 / 636
Mercury, Total	ND	ND	0.039 J	0.0098 J	0.017 J	0.89
Nickel, Total	17.1	12.8	15	7	15.5	100
Potassium, Total	1970	1180	2260 J	522 J	2070 J	---
Selenium, Total	ND	ND	ND	0.51 J	ND	1.3
Sodium, Total	1450	1090	912	559	750	---
Thallium, Total	ND	ND	ND	ND	ND	2.6
Vanadium, Total	24.5	30.4	31.8	15.5	30.7	550
Zinc, Total	123	61.6	61	23.6	66.9	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.42 J	ND	0.39	0.33 J	0.45	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	0.003 J	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	0.0012 J	ND	0.0012 J	0.1
Cobalt, TCLP	ND	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	ND	ND	0.65
Iron, TCLP	0.054 J	0.12	ND	ND	ND	5
Lead, TCLP	0.0052 J	ND	ND	ND	0.0054 J	0.0075
Manganese, TCLP	0.8	1.7	0.49	1.1 J	0.58 J	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.0089 J	0.016	ND	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	0.25	0.18	ND	0.041 J	ND	5
SPLP Metals (mg/l)						
Arsenic, SPLP	0.014	ND	ND	ND	0.006 J	0.05
Barium, SPLP	0.31 J	0.037 J	0.023 J	0.77	0.035 J	2
Beryllium, SPLP	ND	ND	0.0002 J	ND	0.00025 J	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.049	0.0074 J	0.0065	0.026 J	0.0098	0.1
Cobalt, SPLP	0.013	0.0016 J	ND	ND	ND	1
Copper, SPLP	0.062	0.0076 J	ND	ND	ND	0.65
Iron, SPLP	37.6	5.4	3.3	22.4	5.3 J	5
Lead, SPLP	0.2	0.004 J	0.011	0.012	0.0066 J	0.0075
Manganese, SPLP	0.57	0.08	0.058	0.29	0.11 J	0.15
Mercury, SPLP	ND	ND	ND	0.00013 J	ND	0.002
Nickel, SPLP	0.039	0.0054 J	ND	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.32	ND	ND	0.21	ND	5

Summary Table of ISGS Site No. 693V-27
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	AL2-7 (0-5)-101415D	AL2-7 (5-9)-101415	AL2-8 (0-5)-101415	AL2-8 (5-9)-101415	AL2-9 (0-5)-101415	Soil Reference Concentrations ^A
Sample Date	10/14/2015	10/14/2015	10/14/2015	10/14/2015	10/14/2015	
Location ID	AL2-7	AL2-7	AL2-8	AL2-8	AL2-9	
Depth	0 - 5	5 - 9	0 - 5	5 - 9	0 - 5	
Lab Sample ID	40122890011	40122890012	40122890008	40122890009	40122890006	
Location Code	693V-27	693V-27	693V-27	693V-27	693V-27	
Parameter						
Laboratory pH	7.86 J	8.42 J	8.39 J	8.36 J	8.06 J	<6.25, >9.0
VOCs (ug/kg)						
Acetone	ND	ND	ND	ND	ND	25000
Methyl ethyl ketone	ND	ND	ND	ND	ND	---
Toluene	ND	ND	ND	ND	ND	12000
SVOCs (ug/kg)						
Benzo(a)pyrene	144	62.7 J	125	136	63 J	90 / 1300 / 2100
Total Metals (mg/kg)						
Arsenic, Total	5.3	4.8	10.6	2.3	6.9	11.3 / 13.0
Barium, Total	69.5	25.5	30.7	16.8	72.4	1500
Beryllium, Total	0.41	0.22	0.24	0.071 J	0.6	22
Cadmium, Total	ND	ND	ND	ND	ND	5.2
Calcium, Total	70100	122000	69900	169000	13500	---
Chromium, Total	16.2	8	9	13.2	15.2	21
Cobalt, Total	5.6	3.2	3.5	1.4	7.4	20
Copper, Total	28	12.8	15.1	9.9	16.3	2900
Iron, Total	13800	8740	9950	4710	16500	15000 / 15900
Lead, Total	52.9	9.2	32	12	23.5	107
Magnesium, Total	45500	67200	46600	103000	9060	325000
Manganese, Total	490 J	318 J	349 J	219 J	494 J	630 / 636
Mercury, Total	0.035 J	0.0055 J	0.017 J	0.006 J	0.045 J	0.89
Nickel, Total	12.4	8.3	8.6	4.2	14.8	100
Potassium, Total	1610 J	1300 J	1080 J	950 J	1790 J	---
Selenium, Total	ND	ND	ND	ND	ND	1.3
Sodium, Total	609	390	424	289	806	---
Thallium, Total	ND	ND	ND	ND	ND	2.6
Vanadium, Total	21.7	13.4	15.7	8.8	29.3	550
Zinc, Total	82.9	21.5	31.1	26.4	41.7	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.45	0.42	0.28	0.28	0.43	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	0.0024 J	0.0017 J	0.0025 J	0.002 J	0.0013 J	0.1
Cobalt, TCLP	ND	0.0013 J	0.0013 J	0.011	ND	1
Copper, TCLP	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	5
Lead, TCLP	0.0031 J	0.0037 J	ND	0.0019 J	ND	0.0075
Manganese, TCLP	0.32 J	1.5 J	1 J	1.8 J	0.64 J	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	ND	ND	ND	ND	5
SPLP Metals (mg/l)						
Arsenic, SPLP	0.0071 J	ND	ND	ND	ND	0.05
Barium, SPLP	0.056 J	0.019 J	ND	ND	0.021 J	2
Beryllium, SPLP	0.00042 J	0.00018 J	ND	ND	0.0002 J	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.014	0.0055	0.0075	0.0015 J	0.006	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	1
Copper, SPLP	ND	ND	ND	ND	ND	0.65
Iron, SPLP	9.6 J	3	0.44	0.52	3.6	5
Lead, SPLP	0.015 J	0.0037 J	ND	ND	0.0049 J	0.0075
Manganese, SPLP	0.19 J	0.064	0.01	0.0075	0.061	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	ND	ND	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	ND	ND	ND	ND	ND	5

Summary Table of ISGS Site No. 693V-27
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	AL2-9 (5-9)-101415	AL2-10 (0-5)-101415	AL2-10 (5-9)-101415	AL2-12 (0-5)-101415	AL2-12 (5-9)-101415	Soil Reference Concentrations ^A
Sample Date	10/14/2015	10/14/2015	10/14/2015	10/14/2015	10/14/2015	
Location ID	AL2-9	AL2-10	AL2-10	AL2-12	AL2-12	
Depth	5 - 9	0 - 5	5 - 9	0 - 5	5 - 9	
Lab Sample ID	40122890007	40122890004	40122890005	40122890039	40122890001	
Location Code	693V-27	693V-27	693V-27	693V-27	693V-27	
Parameter						
Laboratory pH	8.38 J	7.75 J	8.39 J	8.25 J	8.17 J	<6.25, >9.0
VOCs (ug/kg)						
Acetone	ND	ND	ND	ND	ND	25000
Methyl ethyl ketone	ND	ND	ND	ND	ND	---
Toluene	ND	ND	ND	ND	ND	12000
SVOCs (ug/kg)						
Benzo(a)pyrene	53.2 J	ND	ND	ND	ND	90 / 1300 / 2100
Total Metals (mg/kg)						
Arsenic, Total	2.7	9.5	2.4	5.3	5.3	11.3 / 13.0
Barium, Total	18.2	63.3	10.1	39.1	82.5	1500
Beryllium, Total	0.12	0.72	0.076 J	0.21 J	0.26 J	22
Cadmium, Total	ND	ND	ND	0.17 J	0.24 J	5.2
Calcium, Total	144000	14000	202000	11600	11700	---
Chromium, Total	6.5	18	3.4	10.9	14.4	21
Cobalt, Total	2	8.7	1.5	6	7.3	20
Copper, Total	7.9	24.3	8.5	13.8	16.5	2900
Iron, Total	5980	19600	5130	12800	13900	15000 / 15900
Lead, Total	6.4	17.7	1.7	19.6	14.2	107
Magnesium, Total	82400	10600	63500	7560	6120	325000
Manganese, Total	257 J	545 J	257 J	356	603	630 / 636
Mercury, Total	0.0036 J	0.037 J	0.0032 J	0.019	0.041	0.89
Nickel, Total	5.9	22.2	4.6	10.6	11.6	100
Potassium, Total	1100 J	2140 J	1130 J	754 J	858 J	---
Selenium, Total	ND	ND	ND	ND	0.33 J	1.3
Sodium, Total	349	588	272	443	639	---
Thallium, Total	ND	ND	ND	ND	ND	2.6
Vanadium, Total	8.3	36	8.2	20.3	21.6	550
Zinc, Total	16	40.8	8.7	38.3	43.8	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.28	0.3	0.2 J	0.3 J	0.44 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	0.0032 J	ND	0.0016 J	ND	ND	0.1
Cobalt, TCLP	0.0029 J	ND	0.0045 J	ND	ND	1
Copper, TCLP	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	1.4 J	0.17 J	1.2 J	0.82	1.8	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	ND	ND	ND	0.029 J	5
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	0.023	ND	ND	ND	0.05
Barium, SPLP	0.019 J	0.14	0.015 J	0.3 J	0.59	2
Beryllium, SPLP	0.00018 J	0.0014	ND	ND	ND	0.004
Cadmium, SPLP	ND	0.001 J	0.00065 J	ND	ND	0.005
Chromium, SPLP	0.0086	0.034	0.0024 J	0.034 J	0.026 J	0.1
Cobalt, SPLP	ND	0.011	ND	ND	ND	1
Copper, SPLP	ND	ND	ND	0.036 J	0.027 J	0.65
Iron, SPLP	2.5	35	1.1	29.1	21.4	5
Lead, SPLP	0.0032 J	0.024	ND	0.026	0.019	0.0075
Manganese, SPLP	0.036	0.52	0.016	0.36	0.34	0.15
Mercury, SPLP	ND	ND	ND	0.00016 J	0.00034	0.002
Nickel, SPLP	ND	0.039	ND	0.029 J	ND	0.1
Selenium, SPLP	ND	0.0066 J	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	ND	0.084	ND	0.17	0.39	5

Summary Table of ISGS Site No. 693V-27
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	AL2-14 (0-5)-101215	AL2-14 (5-9)-101215	AL2-15 (0-5)-101215	AL2-15 (5-9)-101215	AL2-16 (0-5)-101315	Soil Reference Concentrations ^A
Sample Date	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/13/2015	
Location ID	AL2-14	AL2-14	AL2-15	AL2-15	AL2-16	
Depth	0 - 5	5 - 9	0 - 5	5 - 9	0 - 5	
Lab Sample ID	40122748028	40122748029	40122748030	40122748031	40122822023	
Location Code	693V-27	693V-27	693V-27	693V-27	693V-27	
Parameter						
Laboratory pH	8.2 J	7.98 J	8.1 J	7.17 J	8.41 J	<6.25, >9.0
VOCs (ug/kg)						
Acetone	ND	6.1 J	ND	ND	ND	25000
Methyl ethyl ketone	ND	ND	ND	ND	ND	---
Toluene	ND	ND	ND	ND	ND	12000
SVOCs (ug/kg)						
Benzo(a)pyrene	ND	ND	ND	ND	ND	90 / 1300 / 2100
Total Metals (mg/kg)						
Arsenic, Total	8	8.4	7.6	8	3	11.3 / 13.0
Barium, Total	26.8	37.8	76.3	110	12.9	1500
Beryllium, Total	0.47 J	0.47 J	0.55 J	0.65	ND	22
Cadmium, Total	ND	0.32 J	ND	0.34 J	0.26 J	5.2
Calcium, Total	3070	111000	23700	3800	141000	---
Chromium, Total	14.9	15.1	17.4	18	5.5	21
Cobalt, Total	8.6	7	7.9	9.8	1.9	20
Copper, Total	16.6	20	18	23.2	7.3	2900
Iron, Total	15600	15200	17900	20400	5710	15000 / 15900
Lead, Total	14.7 J	29.2 J	14.4 J	12.7 J	41.7 J	107
Magnesium, Total	3370	64300	14300	2520	80900	325000
Manganese, Total	278	349	564	829	284	630 / 636
Mercury, Total	0.022 J	0.0069 J	0.027 J	0.02 J	0.0087 J	0.89
Nickel, Total	17.1	14.2	15.8	16.5	5.3	100
Potassium, Total	1090	1300	1400	2120	793 J	---
Selenium, Total	0.87 J	0.64 J	0.85 J	0.97 J	ND	1.3
Sodium, Total	1050 J	1130 J	2140 J	1360 J	319 J	---
Thallium, Total	1.4 J	1.1 J	1.6 J	1.7 J	0.5 J	2.6
Vanadium, Total	26.9	24.3	30.3	31.1	6.5	550
Zinc, Total	35.4 J	42.6 J	44.3 J	72.7 J	19.2 J	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	ND	ND	0.31 J	0.34 J	ND	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	0.0085	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	0.037	1
Copper, TCLP	ND	ND	ND	ND	0.012	0.65
Iron, TCLP	0.26	ND	0.25	0.26	0.4	5
Lead, TCLP	ND	ND	ND	ND	0.09	0.0075
Manganese, TCLP	0.21	1.7	0.4	0.077	5.4	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	0.011	ND	ND	0.062	0.1
Selenium, TCLP	ND	0.005 J	ND	ND	0.0062 J	0.05
Silver, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	0.011 J	ND	ND	0.011 J	0.12	5
SPLP Metals (mg/l)						
Arsenic, SPLP	0.052	0.17	0.2	0.042	ND	0.05
Barium, SPLP	0.41 J	0.83	1.2	0.92	0.025 J	2
Beryllium, SPLP	0.0036 J	0.011	0.013	0.0042	ND	0.004
Cadmium, SPLP	0.001 J	0.0019 J	0.003 J	0.0018 J	ND	0.005
Chromium, SPLP	0.099	0.28	0.34	0.12	ND	0.1
Cobalt, SPLP	0.029	0.09	0.1	0.031	ND	1
Copper, SPLP	0.1	0.34	0.35	0.13	0.0083 J	0.65
Iron, SPLP	99.4	304	391	116	0.55	5
Lead, SPLP	0.076	0.19	0.26	0.06	0.0046 J	0.0075
Manganese, SPLP	0.99	3	4.7	2.8	ND	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	0.11	0.29	0.34	0.088	0.0016 J	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.34	0.59	0.82	0.5	ND	5

Summary Table of ISGS Site No. 693V-27
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	AL2-16 (5-9)-101315	Soil Reference Concentrations^A
Sample Date	10/13/2015	
Location ID	AL2-16	
Depth	5 - 9	
Lab Sample ID	40122822024	
Location Code	693V-27	
Parameter		
Laboratory pH	8.56 J	<6.25, >9.0
VOCs (ug/kg)		
Acetone	ND	25000
Methyl ethyl ketone	ND	---
Toluene	ND	12000
SVOCs (ug/kg)		
Benzo(a)pyrene	ND	90 / 1300 / 2100
Total Metals (mg/kg)		
Arsenic, Total	6.3	11.3 / 13.0
Barium, Total	26.9	1500
Beryllium, Total	0.31 J	22
Cadmium, Total	ND	5.2
Calcium, Total	115000	---
Chromium, Total	10.9	21
Cobalt, Total	5	20
Copper, Total	12.3	2900
Iron, Total	12600	15000 / 15900
Lead, Total	3.4 J	107
Magnesium, Total	68400	325000
Manganese, Total	399	630 / 636
Mercury, Total	0.0066 J	0.89
Nickel, Total	12.1	100
Potassium, Total	1710 J	---
Selenium, Total	ND	1.3
Sodium, Total	520 J	---
Thallium, Total	1.7 J	2.6
Vanadium, Total	16.1	550
Zinc, Total	22.4 J	5100
TCLP Metals (mg/l)		
Arsenic, TCLP	ND	0.05
Barium, TCLP	ND	2
Beryllium, TCLP	ND	0.004
Cadmium, TCLP	ND	0.005
Chromium, TCLP	ND	0.1
Cobalt, TCLP	0.034	1
Copper, TCLP	ND	0.65
Iron, TCLP	ND	5
Lead, TCLP	ND	0.0075
Manganese, TCLP	4.4	0.15
Mercury, TCLP	ND	0.002
Nickel, TCLP	0.044	0.1
Selenium, TCLP	ND	0.05
Silver, TCLP	ND	0.05
Zinc, TCLP	0.012 J	5
SPLP Metals (mg/l)		
Arsenic, SPLP	ND	0.05
Barium, SPLP	0.0089 J	2
Beryllium, SPLP	ND	0.004
Cadmium, SPLP	ND	0.005
Chromium, SPLP	ND	0.1
Cobalt, SPLP	ND	1
Copper, SPLP	ND	0.65
Iron, SPLP	0.064 J	5
Lead, SPLP	ND	0.0075
Manganese, SPLP	ND	0.15
Mercury, SPLP	ND	0.002
Nickel, SPLP	ND	0.1
Selenium, SPLP	0.0044 J	0.05
Silver, SPLP	ND	0.05
Zinc, SPLP	ND	5

Summary Table of ISGS Site No. 693V-27
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Notes:

--- - not applicable or value not available.

^A - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.


B - Constituent detected in the blank and investigative sample.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

J+ - Estimated concentration, biased high.

 Shaded values indicate concentration **exceeds** Reference Concentration.

November 05, 2015

Patricia Feeley, P.G.
Environmental Design International Inc.
33 West Monroe Street
Suite 1825
Chicago, IL 606035326

RE: Project: 0295.020 FAI 55
Pace Project No.: 40122748

Dear Patricia Feeley, P.G.:

Enclosed are the analytical results for sample(s) received by the laboratory on October 13, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Brian Basten for
Laurie Woelfel
laurie.woelfel@pacelabs.com
Project Manager

Enclosures

cc: Andrew Dorn, Environmental Design
Colin Pannier, Environmental Design



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263

North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP ID: 460263
Virginia VELAP Certification ID: 460263
Wisconsin Certification #: 405132750

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10177
Kentucky UST Certification #: 0042
Kentucky WW Certification #: 98019
Louisiana Certification #: 04076

Ohio VAP Certification #: CL-0065
Oklahoma Certification #: 2014-148
Texas Certification #: T104704355-15-9
West Virginia Certification #: 330
Wisconsin Certification #: 999788130
USDA Soil Permit #: P330-10-00128

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
WY STR Certification #: 2456.01
Arkansas Certification #: 15-016-0
Illinois Certification #: 003097
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407
Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: AL2-14 (0-5)-101215 Lab ID: 40122748028 Collected: 10/12/15 15:10 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.53	mg/kg	1.1	0.53	1	10/16/15 11:38	10/19/15 08:03	7440-36-0	
Arsenic	8.0	mg/kg	1.1	0.53	1	10/16/15 11:38	10/19/15 08:03	7440-38-2	
Barium	26.8	mg/kg	1.1	0.53	1	10/16/15 11:38	10/19/15 08:03	7440-39-3	
Beryllium	0.47J	mg/kg	0.53	0.26	1	10/16/15 11:38	10/19/15 08:03	7440-41-7	
Cadmium	<0.26	mg/kg	0.53	0.26	1	10/16/15 11:38	10/19/15 08:03	7440-43-9	
Calcium	3070	mg/kg	52.8	26.4	1	10/16/15 11:38	10/19/15 08:03	7440-70-2	
Chromium	14.9	mg/kg	1.1	0.53	1	10/16/15 11:38	10/19/15 08:03	7440-47-3	
Cobalt	8.6	mg/kg	1.1	0.53	1	10/16/15 11:38	10/19/15 08:03	7440-48-4	
Copper	16.6	mg/kg	1.1	0.53	1	10/16/15 11:38	10/19/15 08:03	7440-50-8	
Iron	15600	mg/kg	52.8	26.4	1	10/16/15 11:38	10/19/15 08:03	7439-89-6	
Lead	14.7	mg/kg	1.1	0.53	1	10/16/15 11:38	10/19/15 08:03	7439-92-1	
Magnesium	3370	mg/kg	52.8	26.4	1	10/16/15 11:38	10/19/15 08:03	7439-95-4	
Manganese	278	mg/kg	1.1	0.53	1	10/16/15 11:38	10/19/15 08:03	7439-96-5	
Nickel	17.1	mg/kg	1.1	0.53	1	10/16/15 11:38	10/19/15 08:03	7440-02-0	
Potassium	1090	mg/kg	52.8	26.4	1	10/16/15 11:38	10/19/15 08:03	7440-09-7	
Selenium	0.87J	mg/kg	1.1	0.53	1	10/16/15 11:38	10/19/15 08:03	7782-49-2	
Silver	<0.26	mg/kg	0.53	0.26	1	10/16/15 11:38	10/19/15 08:03	7440-22-4	
Sodium	1050	mg/kg	52.8	26.4	1	10/16/15 11:38	10/19/15 08:03	7440-23-5	
Thallium	1.4	mg/kg	1.1	0.53	1	10/16/15 11:38	10/19/15 08:03	7440-28-0	
Vanadium	26.9	mg/kg	1.1	0.53	1	10/16/15 11:38	10/19/15 08:03	7440-62-2	
Zinc	35.4	mg/kg	1.1	0.53	1	10/16/15 11:38	10/19/15 08:03	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Arsenic	0.052	mg/L	0.010	0.0029	1	10/21/15 06:57	10/25/15 11:29	7440-38-2	
Barium	0.41J	mg/L	0.50	0.0033	1	10/21/15 06:57	10/25/15 11:29	7440-39-3	
Beryllium	0.0036J	mg/L	0.0040	0.00031	1	10/21/15 06:57	10/25/15 11:29	7440-41-7	
Cadmium	0.0010J	mg/L	0.0050	0.00021	1	10/21/15 06:57	10/25/15 11:29	7440-43-9	
Chromium	0.099	mg/L	0.010	0.0025	1	10/21/15 06:57	10/25/15 11:29	7440-47-3	
Cobalt	0.029	mg/L	0.010	0.00053	1	10/21/15 06:57	10/25/15 11:29	7440-48-4	
Copper	0.10	mg/L	0.010	0.0040	1	10/21/15 06:57	10/25/15 11:29	7440-50-8	
Iron	99.4	mg/L	0.10	0.016	1	10/21/15 06:57	10/25/15 11:29	7439-89-6	
Lead	0.076	mg/L	0.010	0.0029	1	10/21/15 06:57	10/25/15 11:29	7439-92-1	
Manganese	0.99	mg/L	0.010	0.0010	1	10/21/15 06:57	10/25/15 11:29	7439-96-5	
Nickel	0.11	mg/L	0.010	0.00074	1	10/21/15 06:57	10/25/15 11:29	7440-02-0	
Selenium	<0.0033	mg/L	0.010	0.0033	1	10/21/15 06:57	10/25/15 11:29	7782-49-2	
Silver	<0.0033	mg/L	0.010	0.0033	1	10/21/15 06:57	10/25/15 11:29	7440-22-4	
Zinc	0.34	mg/L	0.020	0.0030	1	10/21/15 06:57	10/25/15 11:29	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/14/15 19:10

Arsenic	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:28	7440-38-2	
Barium	<0.25	mg/L	0.50	0.25	1	10/15/15 16:52	10/19/15 02:28	7440-39-3	
Beryllium	<0.0020	mg/L	0.0040	0.0020	1	10/15/15 16:52	10/19/15 02:28	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/15/15 16:52	10/19/15 02:28	7440-43-9	
Chromium	<0.0052	mg/L	0.010	0.0052	1	10/15/15 16:52	10/19/15 02:28	7440-47-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: AL2-14 (0-5)-101215 Lab ID: 40122748028 Collected: 10/12/15 15:10 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/14/15 19:10									
Cobalt	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:28	7440-48-4	
Copper	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:28	7440-50-8	
Iron	0.26	mg/L	0.10	0.050	1	10/15/15 16:52	10/19/15 02:28	7439-89-6	
Lead	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:28	7439-92-1	
Manganese	0.21	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:28	7439-96-5	
Nickel	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:28	7440-02-0	
Selenium	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:28	7782-49-2	
Silver	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:28	7440-22-4	
Zinc	0.011J	mg/L	0.020	0.010	1	10/15/15 16:52	10/19/15 02:28	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.33	ug/L	0.67	0.33	1	10/20/15 19:24	10/21/15 12:23	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/14/15 19:10									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/20/15 19:25	10/21/15 14:14	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.022J	mg/kg	0.24	0.0049	1	10/16/15 20:04	10/16/15 22:23	7439-97-6	CU
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<72.9	ug/kg	243	72.9	1	10/14/15 10:45	10/15/15 17:47	83-32-9	
Acenaphthylene	<73.3	ug/kg	244	73.3	1	10/14/15 10:45	10/15/15 17:47	208-96-8	
Anthracene	<32.9	ug/kg	110	32.9	1	10/14/15 10:45	10/15/15 17:47	120-12-7	
Benzo(a)anthracene	<31.8	ug/kg	106	31.8	1	10/14/15 10:45	10/15/15 17:47	56-55-3	
Benzo(a)pyrene	<30.9	ug/kg	103	30.9	1	10/14/15 10:45	10/15/15 17:47	50-32-8	
Benzo(b)fluoranthene	<35.3	ug/kg	118	35.3	1	10/14/15 10:45	10/15/15 17:47	205-99-2	
Benzo(g,h,i)perylene	<53.8	ug/kg	179	53.8	1	10/14/15 10:45	10/15/15 17:47	191-24-2	
Benzo(k)fluoranthene	<49.2	ug/kg	164	49.2	1	10/14/15 10:45	10/15/15 17:47	207-08-9	
4-Bromophenylphenyl ether	<43.1	ug/kg	144	43.1	1	10/14/15 10:45	10/15/15 17:47	101-55-3	
Butylbenzylphthalate	<33.0	ug/kg	110	33.0	1	10/14/15 10:45	10/15/15 17:47	85-68-7	
Carbazole	<32.2	ug/kg	107	32.2	1	10/14/15 10:45	10/15/15 17:47	86-74-8	
4-Chloro-3-methylphenol	<64.0	ug/kg	213	64.0	1	10/14/15 10:45	10/15/15 17:47	59-50-7	
4-Chloroaniline	<33.8	ug/kg	113	33.8	1	10/14/15 10:45	10/15/15 17:47	106-47-8	
bis(2-Chloroethoxy)methane	<55.4	ug/kg	185	55.4	1	10/14/15 10:45	10/15/15 17:47	111-91-1	
bis(2-Chloroethyl) ether	<64.2	ug/kg	214	64.2	1	10/14/15 10:45	10/15/15 17:47	111-44-4	
2-Chloronaphthalene	<26.4	ug/kg	88.0	26.4	1	10/14/15 10:45	10/15/15 17:47	91-58-7	
2-Chlorophenol	<51.3	ug/kg	171	51.3	1	10/14/15 10:45	10/15/15 17:47	95-57-8	
4-Chlorophenylphenyl ether	<38.3	ug/kg	128	38.3	1	10/14/15 10:45	10/15/15 17:47	7005-72-3	
Chrysene	<30.7	ug/kg	102	30.7	1	10/14/15 10:45	10/15/15 17:47	218-01-9	L2
Dibenz(a,h)anthracene	<55.8	ug/kg	186	55.8	1	10/14/15 10:45	10/15/15 17:47	53-70-3	
Dibenzofuran	<24.9	ug/kg	83.0	24.9	1	10/14/15 10:45	10/15/15 17:47	132-64-9	
1,2-Dichlorobenzene	<64.6	ug/kg	215	64.6	1	10/14/15 10:45	10/15/15 17:47	95-50-1	
1,3-Dichlorobenzene	<28.5	ug/kg	94.9	28.5	1	10/14/15 10:45	10/15/15 17:47	541-73-1	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: AL2-14 (0-5)-101215 **Lab ID: 40122748028** Collected: 10/12/15 15:10 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,4-Dichlorobenzene	<28.6	ug/kg	95.5	28.6	1	10/14/15 10:45	10/15/15 17:47	106-46-7	
3,3'-Dichlorobenzidine	<55.8	ug/kg	186	55.8	1	10/14/15 10:45	10/15/15 17:47	91-94-1	
2,4-Dichlorophenol	<54.9	ug/kg	183	54.9	1	10/14/15 10:45	10/15/15 17:47	120-83-2	
Diethylphthalate	<34.1	ug/kg	114	34.1	1	10/14/15 10:45	10/15/15 17:47	84-66-2	
2,4-Dimethylphenol	<40.7	ug/kg	136	40.7	1	10/14/15 10:45	10/15/15 17:47	105-67-9	
Dimethylphthalate	<26.7	ug/kg	89.2	26.7	1	10/14/15 10:45	10/15/15 17:47	131-11-3	
Di-n-butylphthalate	<30.7	ug/kg	102	30.7	1	10/14/15 10:45	10/15/15 17:47	84-74-2	
4,6-Dinitro-2-methylphenol	<63.4	ug/kg	211	63.4	1	10/14/15 10:45	10/15/15 17:47	534-52-1	
2,4-Dinitrophenol	<62.6	ug/kg	209	62.6	1	10/14/15 10:45	10/15/15 17:47	51-28-5	
2,4-Dinitrotoluene	<29.4	ug/kg	98.0	29.4	1	10/14/15 10:45	10/15/15 17:47	121-14-2	
2,6-Dinitrotoluene	<39.0	ug/kg	130	39.0	1	10/14/15 10:45	10/15/15 17:47	606-20-2	
Di-n-octylphthalate	<46.2	ug/kg	154	46.2	1	10/14/15 10:45	10/15/15 17:47	117-84-0	
bis(2-Ethylhexyl)phthalate	<34.2	ug/kg	114	34.2	1	10/14/15 10:45	10/15/15 17:47	117-81-7	
Fluoranthene	<29.1	ug/kg	97.0	29.1	1	10/14/15 10:45	10/15/15 17:47	206-44-0	
Fluorene	<24.0	ug/kg	80.1	24.0	1	10/14/15 10:45	10/15/15 17:47	86-73-7	
Hexachloro-1,3-butadiene	<52.4	ug/kg	175	52.4	1	10/14/15 10:45	10/15/15 17:47	87-68-3	
Hexachlorobenzene	<34.6	ug/kg	115	34.6	1	10/14/15 10:45	10/15/15 17:47	118-74-1	
Hexachlorocyclopentadiene	<48.7	ug/kg	162	48.7	1	10/14/15 10:45	10/15/15 17:47	77-47-4	
Hexachloroethane	<32.9	ug/kg	110	32.9	1	10/14/15 10:45	10/15/15 17:47	67-72-1	
Indeno(1,2,3-cd)pyrene	<44.5	ug/kg	148	44.5	1	10/14/15 10:45	10/15/15 17:47	193-39-5	
Isophorone	<31.6	ug/kg	105	31.6	1	10/14/15 10:45	10/15/15 17:47	78-59-1	
2-Methylnaphthalene	<53.4	ug/kg	178	53.4	1	10/14/15 10:45	10/15/15 17:47	91-57-6	
2-Methylphenol(o-Cresol)	<37.4	ug/kg	125	37.4	1	10/14/15 10:45	10/15/15 17:47	95-48-7	
3&4-Methylphenol(m&p Cresol)	<37.7	ug/kg	126	37.7	1	10/14/15 10:45	10/15/15 17:47		
Naphthalene	<71.9	ug/kg	240	71.9	1	10/14/15 10:45	10/15/15 17:47	91-20-3	
2-Nitroaniline	<58.6	ug/kg	195	58.6	1	10/14/15 10:45	10/15/15 17:47	88-74-4	
3-Nitroaniline	<35.0	ug/kg	117	35.0	1	10/14/15 10:45	10/15/15 17:47	99-09-2	
4-Nitroaniline	<85.3	ug/kg	284	85.3	1	10/14/15 10:45	10/15/15 17:47	100-01-6	
Nitrobenzene	<41.7	ug/kg	139	41.7	1	10/14/15 10:45	10/15/15 17:47	98-95-3	
2-Nitrophenol	<64.9	ug/kg	216	64.9	1	10/14/15 10:45	10/15/15 17:47	88-75-5	
4-Nitrophenol	<51.8	ug/kg	173	51.8	1	10/14/15 10:45	10/15/15 17:47	100-02-7	
N-Nitroso-di-n-propylamine	<32.6	ug/kg	109	32.6	1	10/14/15 10:45	10/15/15 17:47	621-64-7	
N-Nitrosodiphenylamine	<279	ug/kg	930	279	1	10/14/15 10:45	10/15/15 17:47	86-30-6	
2,2'-Oxybis(1-chloropropane)	<53.0	ug/kg	177	53.0	1	10/14/15 10:45	10/15/15 17:47	108-60-1	
Pentachlorophenol	<45.3	ug/kg	151	45.3	1	10/14/15 10:45	10/15/15 17:47	87-86-5	
Phenanthrene	<26.4	ug/kg	87.9	26.4	1	10/14/15 10:45	10/15/15 17:47	85-01-8	
Phenol	<48.8	ug/kg	163	48.8	1	10/14/15 10:45	10/15/15 17:47	108-95-2	
Pyrene	<45.6	ug/kg	152	45.6	1	10/14/15 10:45	10/15/15 17:47	129-00-0	
1,2,4-Trichlorobenzene	<23.2	ug/kg	77.5	23.2	1	10/14/15 10:45	10/15/15 17:47	120-82-1	
2,4,5-Trichlorophenol	<36.3	ug/kg	121	36.3	1	10/14/15 10:45	10/15/15 17:47	95-95-4	
2,4,6-Trichlorophenol	<31.3	ug/kg	104	31.3	1	10/14/15 10:45	10/15/15 17:47	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	62	%	45-130		1	10/14/15 10:45	10/15/15 17:47	4165-60-0	
2-Fluorobiphenyl (S)	63	%	51-130		1	10/14/15 10:45	10/15/15 17:47	321-60-8	
Terphenyl-d14 (S)	123	%	37-134		1	10/14/15 10:45	10/15/15 17:47	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: AL2-14 (0-5)-101215 Lab ID: 40122748028 Collected: 10/12/15 15:10 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Phenol-d6 (S)	74	%	36-130		1	10/14/15 10:45	10/15/15 17:47	13127-88-3	
2-Fluorophenol (S)	65	%	37-130		1	10/14/15 10:45	10/15/15 17:47	367-12-4	
2,4,6-Tribromophenol (S)	54	%	30-130		1	10/14/15 10:45	10/15/15 17:47	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<5.5	ug/kg	17.5	5.5	1	10/15/15 12:00	10/15/15 14:05	67-64-1	2q
Benzene	<1.4	ug/kg	4.4	1.4	1	10/15/15 12:00	10/15/15 14:05	71-43-2	
Bromodichloromethane	<0.96	ug/kg	4.4	0.96	1	10/15/15 12:00	10/15/15 14:05	75-27-4	
Bromoform	<0.74	ug/kg	4.4	0.74	1	10/15/15 12:00	10/15/15 14:05	75-25-2	
Bromomethane	<1.3	ug/kg	8.8	1.3	1	10/15/15 12:00	10/15/15 14:05	74-83-9	
2-Butanone (MEK)	<2.5	ug/kg	17.5	2.5	1	10/15/15 12:00	10/15/15 14:05	78-93-3	
Carbon disulfide	<1.1	ug/kg	4.4	1.1	1	10/15/15 12:00	10/15/15 14:05	75-15-0	
Carbon tetrachloride	<1.4	ug/kg	4.4	1.4	1	10/15/15 12:00	10/15/15 14:05	56-23-5	
Chlorobenzene	<1.4	ug/kg	4.4	1.4	1	10/15/15 12:00	10/15/15 14:05	108-90-7	
Chloroethane	<1.8	ug/kg	4.4	1.8	1	10/15/15 12:00	10/15/15 14:05	75-00-3	
Chloroform	<0.83	ug/kg	4.4	0.83	1	10/15/15 12:00	10/15/15 14:05	67-66-3	
Chloromethane	<0.49	ug/kg	4.4	0.49	1	10/15/15 12:00	10/15/15 14:05	74-87-3	
Dibromochloromethane	<1.5	ug/kg	4.4	1.5	1	10/15/15 12:00	10/15/15 14:05	124-48-1	
1,1-Dichloroethane	<2.1	ug/kg	4.4	2.1	1	10/15/15 12:00	10/15/15 14:05	75-34-3	
1,2-Dichloroethane	<0.86	ug/kg	4.4	0.86	1	10/15/15 12:00	10/15/15 14:05	107-06-2	
1,1-Dichloroethene	<2.0	ug/kg	4.4	2.0	1	10/15/15 12:00	10/15/15 14:05	75-35-4	
cis-1,2-Dichloroethene	<1.2	ug/kg	4.4	1.2	1	10/15/15 12:00	10/15/15 14:05	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/kg	4.4	1.1	1	10/15/15 12:00	10/15/15 14:05	156-60-5	
1,2-Dichloropropane	<1.1	ug/kg	4.4	1.1	1	10/15/15 12:00	10/15/15 14:05	78-87-5	
cis-1,3-Dichloropropene	<0.59	ug/kg	4.4	0.59	1	10/15/15 12:00	10/15/15 14:05	10061-01-5	
trans-1,3-Dichloropropene	<0.81	ug/kg	4.4	0.81	1	10/15/15 12:00	10/15/15 14:05	10061-02-6	
Ethylbenzene	<1.3	ug/kg	4.4	1.3	1	10/15/15 12:00	10/15/15 14:05	100-41-4	
2-Hexanone	<1.3	ug/kg	4.4	1.3	1	10/15/15 12:00	10/15/15 14:05	591-78-6	
Methylene Chloride	<1.6	ug/kg	4.4	1.6	1	10/15/15 12:00	10/15/15 14:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	<1.1	ug/kg	4.4	1.1	1	10/15/15 12:00	10/15/15 14:05	108-10-1	
Methyl-tert-butyl ether	<0.88	ug/kg	4.4	0.88	1	10/15/15 12:00	10/15/15 14:05	1634-04-4	
Styrene	<0.67	ug/kg	4.4	0.67	1	10/15/15 12:00	10/15/15 14:05	100-42-5	
1,1,2,2-Tetrachloroethane	<1.8	ug/kg	4.4	1.8	1	10/15/15 12:00	10/15/15 14:05	79-34-5	
Tetrachloroethene	<1.4	ug/kg	4.4	1.4	1	10/15/15 12:00	10/15/15 14:05	127-18-4	
Toluene	<1.3	ug/kg	4.4	1.3	1	10/15/15 12:00	10/15/15 14:05	108-88-3	
1,1,1-Trichloroethane	<1.4	ug/kg	4.4	1.4	1	10/15/15 12:00	10/15/15 14:05	71-55-6	
1,1,2-Trichloroethane	<1.7	ug/kg	4.4	1.7	1	10/15/15 12:00	10/15/15 14:05	79-00-5	
Trichloroethene	<1.7	ug/kg	4.4	1.7	1	10/15/15 12:00	10/15/15 14:05	79-01-6	
Vinyl chloride	<0.48	ug/kg	4.4	0.48	1	10/15/15 12:00	10/15/15 14:05	75-01-4	
Xylene (Total)	<3.9	ug/kg	13.2	3.9	1	10/15/15 12:00	10/15/15 14:05	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	106	%	70-130		1	10/15/15 12:00	10/15/15 14:05	1868-53-7	
Toluene-d8 (S)	103	%	67-138		1	10/15/15 12:00	10/15/15 14:05	2037-26-5	
4-Bromofluorobenzene (S)	96	%	68-130		1	10/15/15 12:00	10/15/15 14:05	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: AL2-14 (0-5)-101215 **Lab ID: 40122748028** Collected: 10/12/15 15:10 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	18.8	%	0.10	0.10	1		10/13/15 16:21		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	8.20	Std. Units	0.100	0.0100	1		10/15/15 15:30		H6

Revised 11/05/15 16:36

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: AL2-14 (5-9)-101215 Lab ID: 40122748029 Collected: 10/12/15 15:20 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.58	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:06	7440-36-0	
Arsenic	8.4	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:06	7440-38-2	
Barium	37.8	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:06	7440-39-3	
Beryllium	0.47J	mg/kg	0.58	0.29	1	10/16/15 11:38	10/19/15 08:06	7440-41-7	
Cadmium	0.32J	mg/kg	0.58	0.29	1	10/16/15 11:38	10/19/15 08:06	7440-43-9	
Calcium	111000	mg/kg	5760	2880	100	10/16/15 11:38	10/19/15 08:57	7440-70-2	
Chromium	15.1	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:06	7440-47-3	
Cobalt	7.0	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:06	7440-48-4	
Copper	20.0	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:06	7440-50-8	
Iron	15200	mg/kg	57.6	28.8	1	10/16/15 11:38	10/19/15 08:06	7439-89-6	
Lead	29.2	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:06	7439-92-1	
Magnesium	64300	mg/kg	5760	2880	100	10/16/15 11:38	10/19/15 08:57	7439-95-4	
Manganese	349	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:06	7439-96-5	
Nickel	14.2	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:06	7440-02-0	
Potassium	1300	mg/kg	57.6	28.8	1	10/16/15 11:38	10/19/15 08:06	7440-09-7	
Selenium	0.64J	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:06	7782-49-2	
Silver	<0.29	mg/kg	0.58	0.29	1	10/16/15 11:38	10/19/15 08:06	7440-22-4	
Sodium	1130	mg/kg	57.6	28.8	1	10/16/15 11:38	10/19/15 08:06	7440-23-5	
Thallium	1.1J	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:06	7440-28-0	
Vanadium	24.3	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:06	7440-62-2	
Zinc	42.6	mg/kg	1.2	0.58	1	10/16/15 11:38	10/19/15 08:06	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Arsenic	0.17	mg/L	0.010	0.0029	1	10/21/15 06:57	10/25/15 11:31	7440-38-2	
Barium	0.83	mg/L	0.50	0.0033	1	10/21/15 06:57	10/25/15 11:31	7440-39-3	
Beryllium	0.011	mg/L	0.0040	0.00031	1	10/21/15 06:57	10/25/15 11:31	7440-41-7	
Cadmium	0.0019J	mg/L	0.0050	0.00021	1	10/21/15 06:57	10/25/15 11:31	7440-43-9	
Chromium	0.28	mg/L	0.010	0.0025	1	10/21/15 06:57	10/25/15 11:31	7440-47-3	
Cobalt	0.090	mg/L	0.010	0.00053	1	10/21/15 06:57	10/25/15 11:31	7440-48-4	
Copper	0.34	mg/L	0.010	0.0040	1	10/21/15 06:57	10/25/15 11:31	7440-50-8	
Iron	304	mg/L	0.10	0.016	1	10/21/15 06:57	10/25/15 11:31	7439-89-6	
Lead	0.19	mg/L	0.010	0.0029	1	10/21/15 06:57	10/25/15 11:31	7439-92-1	
Manganese	3.0	mg/L	0.010	0.0010	1	10/21/15 06:57	10/25/15 11:31	7439-96-5	
Nickel	0.29	mg/L	0.010	0.00074	1	10/21/15 06:57	10/25/15 11:31	7440-02-0	
Selenium	<0.016	mg/L	0.050	0.016	5	10/21/15 06:57	10/25/15 18:35	7782-49-2	D3
Silver	<0.0033	mg/L	0.010	0.0033	1	10/21/15 06:57	10/25/15 11:31	7440-22-4	
Zinc	0.59	mg/L	0.020	0.0030	1	10/21/15 06:57	10/25/15 11:31	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/14/15 19:10

Arsenic	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:30	7440-38-2	
Barium	<0.25	mg/L	0.50	0.25	1	10/15/15 16:52	10/19/15 02:30	7440-39-3	
Beryllium	<0.0020	mg/L	0.0040	0.0020	1	10/15/15 16:52	10/19/15 02:30	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/15/15 16:52	10/19/15 02:30	7440-43-9	
Chromium	<0.0052	mg/L	0.010	0.0052	1	10/15/15 16:52	10/19/15 02:30	7440-47-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: AL2-14 (5-9)-101215 Lab ID: 40122748029 Collected: 10/12/15 15:20 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/14/15 19:10									
Cobalt	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:30	7440-48-4	
Copper	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:30	7440-50-8	
Iron	<0.050	mg/L	0.10	0.050	1	10/15/15 16:52	10/19/15 02:30	7439-89-6	
Lead	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:30	7439-92-1	
Manganese	1.7	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:30	7439-96-5	
Nickel	0.011	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:30	7440-02-0	
Selenium	0.0050J	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:30	7782-49-2	
Silver	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:30	7440-22-4	
Zinc	<0.010	mg/L	0.020	0.010	1	10/15/15 16:52	10/19/15 02:30	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.33	ug/L	0.67	0.33	1	10/20/15 19:24	10/21/15 12:31	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/14/15 19:10									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/20/15 19:25	10/21/15 14:16	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.0069J	mg/kg	0.25	0.0050	1	10/16/15 20:04	10/16/15 22:25	7439-97-6	CU
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<71.0	ug/kg	237	71.0	1	10/14/15 10:45	10/16/15 11:48	83-32-9	
Acenaphthylene	<71.5	ug/kg	238	71.5	1	10/14/15 10:45	10/16/15 11:48	208-96-8	
Anthracene	<32.0	ug/kg	107	32.0	1	10/14/15 10:45	10/16/15 11:48	120-12-7	
Benzo(a)anthracene	<31.0	ug/kg	103	31.0	1	10/14/15 10:45	10/16/15 11:48	56-55-3	
Benzo(a)pyrene	<30.1	ug/kg	100	30.1	1	10/14/15 10:45	10/16/15 11:48	50-32-8	
Benzo(b)fluoranthene	<34.4	ug/kg	115	34.4	1	10/14/15 10:45	10/16/15 11:48	205-99-2	
Benzo(g,h,i)perylene	<52.4	ug/kg	175	52.4	1	10/14/15 10:45	10/16/15 11:48	191-24-2	
Benzo(k)fluoranthene	<48.0	ug/kg	160	48.0	1	10/14/15 10:45	10/16/15 11:48	207-08-9	
4-Bromophenylphenyl ether	<42.0	ug/kg	140	42.0	1	10/14/15 10:45	10/16/15 11:48	101-55-3	
Butylbenzylphthalate	<32.1	ug/kg	107	32.1	1	10/14/15 10:45	10/16/15 11:48	85-68-7	
Carbazole	<31.4	ug/kg	105	31.4	1	10/14/15 10:45	10/16/15 11:48	86-74-8	
4-Chloro-3-methylphenol	<62.3	ug/kg	208	62.3	1	10/14/15 10:45	10/16/15 11:48	59-50-7	
4-Chloroaniline	<32.9	ug/kg	110	32.9	1	10/14/15 10:45	10/16/15 11:48	106-47-8	
bis(2-Chloroethoxy)methane	<54.0	ug/kg	180	54.0	1	10/14/15 10:45	10/16/15 11:48	111-91-1	
bis(2-Chloroethyl) ether	<62.5	ug/kg	208	62.5	1	10/14/15 10:45	10/16/15 11:48	111-44-4	
2-Chloronaphthalene	<25.7	ug/kg	85.7	25.7	1	10/14/15 10:45	10/16/15 11:48	91-58-7	
2-Chlorophenol	<50.0	ug/kg	167	50.0	1	10/14/15 10:45	10/16/15 11:48	95-57-8	
4-Chlorophenylphenyl ether	<37.3	ug/kg	124	37.3	1	10/14/15 10:45	10/16/15 11:48	7005-72-3	
Chrysene	<30.0	ug/kg	99.8	30.0	1	10/14/15 10:45	10/16/15 11:48	218-01-9	L2
Dibenz(a,h)anthracene	<54.4	ug/kg	181	54.4	1	10/14/15 10:45	10/16/15 11:48	53-70-3	
Dibenzofuran	<24.2	ug/kg	80.8	24.2	1	10/14/15 10:45	10/16/15 11:48	132-64-9	
1,2-Dichlorobenzene	<63.0	ug/kg	210	63.0	1	10/14/15 10:45	10/16/15 11:48	95-50-1	
1,3-Dichlorobenzene	<27.7	ug/kg	92.5	27.7	1	10/14/15 10:45	10/16/15 11:48	541-73-1	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: AL2-14 (5-9)-101215 **Lab ID:** 40122748029 Collected: 10/12/15 15:20 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,4-Dichlorobenzene	<27.9	ug/kg	93.0	27.9	1	10/14/15 10:45	10/16/15 11:48	106-46-7	
3,3'-Dichlorobenzidine	<54.4	ug/kg	181	54.4	1	10/14/15 10:45	10/16/15 11:48	91-94-1	
2,4-Dichlorophenol	<53.5	ug/kg	178	53.5	1	10/14/15 10:45	10/16/15 11:48	120-83-2	
Diethylphthalate	<33.2	ug/kg	111	33.2	1	10/14/15 10:45	10/16/15 11:48	84-66-2	
2,4-Dimethylphenol	<39.6	ug/kg	132	39.6	1	10/14/15 10:45	10/16/15 11:48	105-67-9	
Dimethylphthalate	<26.1	ug/kg	86.9	26.1	1	10/14/15 10:45	10/16/15 11:48	131-11-3	
Di-n-butylphthalate	<29.9	ug/kg	99.8	29.9	1	10/14/15 10:45	10/16/15 11:48	84-74-2	
4,6-Dinitro-2-methylphenol	<61.7	ug/kg	206	61.7	1	10/14/15 10:45	10/16/15 11:48	534-52-1	
2,4-Dinitrophenol	<61.0	ug/kg	203	61.0	1	10/14/15 10:45	10/16/15 11:48	51-28-5	
2,4-Dinitrotoluene	<28.6	ug/kg	95.5	28.6	1	10/14/15 10:45	10/16/15 11:48	121-14-2	
2,6-Dinitrotoluene	<38.0	ug/kg	127	38.0	1	10/14/15 10:45	10/16/15 11:48	606-20-2	
Di-n-octylphthalate	<45.0	ug/kg	150	45.0	1	10/14/15 10:45	10/16/15 11:48	117-84-0	
bis(2-Ethylhexyl)phthalate	<33.3	ug/kg	111	33.3	1	10/14/15 10:45	10/16/15 11:48	117-81-7	
Fluoranthene	<28.3	ug/kg	94.5	28.3	1	10/14/15 10:45	10/16/15 11:48	206-44-0	
Fluorene	<23.4	ug/kg	78.0	23.4	1	10/14/15 10:45	10/16/15 11:48	86-73-7	
Hexachloro-1,3-butadiene	<51.0	ug/kg	170	51.0	1	10/14/15 10:45	10/16/15 11:48	87-68-3	
Hexachlorobenzene	<33.7	ug/kg	112	33.7	1	10/14/15 10:45	10/16/15 11:48	118-74-1	
Hexachlorocyclopentadiene	<47.4	ug/kg	158	47.4	1	10/14/15 10:45	10/16/15 11:48	77-47-4	
Hexachloroethane	<32.1	ug/kg	107	32.1	1	10/14/15 10:45	10/16/15 11:48	67-72-1	
Indeno(1,2,3-cd)pyrene	<43.3	ug/kg	144	43.3	1	10/14/15 10:45	10/16/15 11:48	193-39-5	
Isophorone	<30.8	ug/kg	103	30.8	1	10/14/15 10:45	10/16/15 11:48	78-59-1	
2-Methylnaphthalene	<52.0	ug/kg	173	52.0	1	10/14/15 10:45	10/16/15 11:48	91-57-6	
2-Methylphenol(o-Cresol)	<36.4	ug/kg	121	36.4	1	10/14/15 10:45	10/16/15 11:48	95-48-7	
3&4-Methylphenol(m&p Cresol)	<36.7	ug/kg	122	36.7	1	10/14/15 10:45	10/16/15 11:48		
Naphthalene	<70.0	ug/kg	233	70.0	1	10/14/15 10:45	10/16/15 11:48	91-20-3	
2-Nitroaniline	<57.1	ug/kg	190	57.1	1	10/14/15 10:45	10/16/15 11:48	88-74-4	
3-Nitroaniline	<34.1	ug/kg	114	34.1	1	10/14/15 10:45	10/16/15 11:48	99-09-2	
4-Nitroaniline	<83.1	ug/kg	277	83.1	1	10/14/15 10:45	10/16/15 11:48	100-01-6	
Nitrobenzene	<40.6	ug/kg	135	40.6	1	10/14/15 10:45	10/16/15 11:48	98-95-3	
2-Nitrophenol	<63.2	ug/kg	211	63.2	1	10/14/15 10:45	10/16/15 11:48	88-75-5	
4-Nitrophenol	<50.4	ug/kg	168	50.4	1	10/14/15 10:45	10/16/15 11:48	100-02-7	
N-Nitroso-di-n-propylamine	<31.8	ug/kg	106	31.8	1	10/14/15 10:45	10/16/15 11:48	621-64-7	
N-Nitrosodiphenylamine	<272	ug/kg	906	272	1	10/14/15 10:45	10/16/15 11:48	86-30-6	
2,2'-Oxybis(1-chloropropane)	<51.7	ug/kg	172	51.7	1	10/14/15 10:45	10/16/15 11:48	108-60-1	
Pentachlorophenol	<44.1	ug/kg	147	44.1	1	10/14/15 10:45	10/16/15 11:48	87-86-5	
Phenanthrene	<25.7	ug/kg	85.7	25.7	1	10/14/15 10:45	10/16/15 11:48	85-01-8	
Phenol	<47.5	ug/kg	158	47.5	1	10/14/15 10:45	10/16/15 11:48	108-95-2	
Pyrene	<44.4	ug/kg	148	44.4	1	10/14/15 10:45	10/16/15 11:48	129-00-0	
1,2,4-Trichlorobenzene	<22.6	ug/kg	75.5	22.6	1	10/14/15 10:45	10/16/15 11:48	120-82-1	
2,4,5-Trichlorophenol	<35.4	ug/kg	118	35.4	1	10/14/15 10:45	10/16/15 11:48	95-95-4	
2,4,6-Trichlorophenol	<30.5	ug/kg	102	30.5	1	10/14/15 10:45	10/16/15 11:48	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	65	%	45-130		1	10/14/15 10:45	10/16/15 11:48	4165-60-0	
2-Fluorobiphenyl (S)	67	%	51-130		1	10/14/15 10:45	10/16/15 11:48	321-60-8	
Terphenyl-d14 (S)	63	%	37-134		1	10/14/15 10:45	10/16/15 11:48	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: AL2-14 (5-9)-101215 **Lab ID:** 40122748029 Collected: 10/12/15 15:20 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Phenol-d6 (S)	62	%	36-130		1	10/14/15 10:45	10/16/15 11:48	13127-88-3	
2-Fluorophenol (S)	63	%	37-130		1	10/14/15 10:45	10/16/15 11:48	367-12-4	
2,4,6-Tribromophenol (S)	56	%	30-130		1	10/14/15 10:45	10/16/15 11:48	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	6.1J	ug/kg	18.8	5.9	1	10/15/15 12:00	10/15/15 14:28	67-64-1	1q
Benzene	<1.5	ug/kg	4.7	1.5	1	10/15/15 12:00	10/15/15 14:28	71-43-2	
Bromodichloromethane	<1.0	ug/kg	4.7	1.0	1	10/15/15 12:00	10/15/15 14:28	75-27-4	
Bromoform	<0.80	ug/kg	4.7	0.80	1	10/15/15 12:00	10/15/15 14:28	75-25-2	
Bromomethane	<1.4	ug/kg	9.4	1.4	1	10/15/15 12:00	10/15/15 14:28	74-83-9	
2-Butanone (MEK)	<2.7	ug/kg	18.8	2.7	1	10/15/15 12:00	10/15/15 14:28	78-93-3	
Carbon disulfide	<1.2	ug/kg	4.7	1.2	1	10/15/15 12:00	10/15/15 14:28	75-15-0	
Carbon tetrachloride	<1.5	ug/kg	4.7	1.5	1	10/15/15 12:00	10/15/15 14:28	56-23-5	
Chlorobenzene	<1.5	ug/kg	4.7	1.5	1	10/15/15 12:00	10/15/15 14:28	108-90-7	
Chloroethane	<1.9	ug/kg	4.7	1.9	1	10/15/15 12:00	10/15/15 14:28	75-00-3	
Chloroform	<0.89	ug/kg	4.7	0.89	1	10/15/15 12:00	10/15/15 14:28	67-66-3	
Chloromethane	<0.53	ug/kg	4.7	0.53	1	10/15/15 12:00	10/15/15 14:28	74-87-3	
Dibromochloromethane	<1.6	ug/kg	4.7	1.6	1	10/15/15 12:00	10/15/15 14:28	124-48-1	
1,1-Dichloroethane	<2.2	ug/kg	4.7	2.2	1	10/15/15 12:00	10/15/15 14:28	75-34-3	
1,2-Dichloroethane	<0.92	ug/kg	4.7	0.92	1	10/15/15 12:00	10/15/15 14:28	107-06-2	
1,1-Dichloroethene	<2.1	ug/kg	4.7	2.1	1	10/15/15 12:00	10/15/15 14:28	75-35-4	
cis-1,2-Dichloroethene	<1.2	ug/kg	4.7	1.2	1	10/15/15 12:00	10/15/15 14:28	156-59-2	
trans-1,2-Dichloroethene	<1.2	ug/kg	4.7	1.2	1	10/15/15 12:00	10/15/15 14:28	156-60-5	
1,2-Dichloropropane	<1.2	ug/kg	4.7	1.2	1	10/15/15 12:00	10/15/15 14:28	78-87-5	
cis-1,3-Dichloropropene	<0.63	ug/kg	4.7	0.63	1	10/15/15 12:00	10/15/15 14:28	10061-01-5	
trans-1,3-Dichloropropene	<0.87	ug/kg	4.7	0.87	1	10/15/15 12:00	10/15/15 14:28	10061-02-6	
Ethylbenzene	<1.4	ug/kg	4.7	1.4	1	10/15/15 12:00	10/15/15 14:28	100-41-4	
2-Hexanone	<1.4	ug/kg	4.7	1.4	1	10/15/15 12:00	10/15/15 14:28	591-78-6	
Methylene Chloride	<1.7	ug/kg	4.7	1.7	1	10/15/15 12:00	10/15/15 14:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	<1.2	ug/kg	4.7	1.2	1	10/15/15 12:00	10/15/15 14:28	108-10-1	
Methyl-tert-butyl ether	<0.94	ug/kg	4.7	0.94	1	10/15/15 12:00	10/15/15 14:28	1634-04-4	
Styrene	<0.71	ug/kg	4.7	0.71	1	10/15/15 12:00	10/15/15 14:28	100-42-5	
1,1,2,2-Tetrachloroethane	<1.9	ug/kg	4.7	1.9	1	10/15/15 12:00	10/15/15 14:28	79-34-5	
Tetrachloroethene	<1.5	ug/kg	4.7	1.5	1	10/15/15 12:00	10/15/15 14:28	127-18-4	
Toluene	<1.4	ug/kg	4.7	1.4	1	10/15/15 12:00	10/15/15 14:28	108-88-3	
1,1,1-Trichloroethane	<1.5	ug/kg	4.7	1.5	1	10/15/15 12:00	10/15/15 14:28	71-55-6	
1,1,2-Trichloroethane	<1.8	ug/kg	4.7	1.8	1	10/15/15 12:00	10/15/15 14:28	79-00-5	
Trichloroethene	<1.8	ug/kg	4.7	1.8	1	10/15/15 12:00	10/15/15 14:28	79-01-6	
Vinyl chloride	<0.51	ug/kg	4.7	0.51	1	10/15/15 12:00	10/15/15 14:28	75-01-4	
Xylene (Total)	<4.2	ug/kg	14.1	4.2	1	10/15/15 12:00	10/15/15 14:28	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	105	%	70-130		1	10/15/15 12:00	10/15/15 14:28	1868-53-7	
Toluene-d8 (S)	103	%	67-138		1	10/15/15 12:00	10/15/15 14:28	2037-26-5	
4-Bromofluorobenzene (S)	92	%	68-130		1	10/15/15 12:00	10/15/15 14:28	460-00-4	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: AL2-14 (5-9)-101215 **Lab ID: 40122748029** Collected: 10/12/15 15:20 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	16.7	%	0.10	0.10	1		10/13/15 16:21		
9045 pH Soil									
Analytical Method: EPA 9045									
pH at 25 Degrees C	7.98	Std. Units	0.100	0.0100	1		10/15/15 15:30		H6

Revised 11/05/15 16:36

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: AL2-15 (0-5)-101215 Lab ID: 40122748030 Collected: 10/12/15 15:25 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.59	mg/kg	1.2	0.59	1	10/16/15 11:38	10/19/15 08:08	7440-36-0	
Arsenic	7.6	mg/kg	1.2	0.59	1	10/16/15 11:38	10/19/15 08:08	7440-38-2	
Barium	76.3	mg/kg	1.2	0.59	1	10/16/15 11:38	10/19/15 08:08	7440-39-3	
Beryllium	0.55J	mg/kg	0.59	0.30	1	10/16/15 11:38	10/19/15 08:08	7440-41-7	
Cadmium	<0.30	mg/kg	0.59	0.30	1	10/16/15 11:38	10/19/15 08:08	7440-43-9	
Calcium	23700	mg/kg	297	149	5	10/16/15 11:38	10/19/15 08:59	7440-70-2	
Chromium	17.4	mg/kg	1.2	0.59	1	10/16/15 11:38	10/19/15 08:08	7440-47-3	
Cobalt	7.9	mg/kg	1.2	0.59	1	10/16/15 11:38	10/19/15 08:08	7440-48-4	
Copper	18.0	mg/kg	1.2	0.59	1	10/16/15 11:38	10/19/15 08:08	7440-50-8	
Iron	17900	mg/kg	59.4	29.7	1	10/16/15 11:38	10/19/15 08:08	7439-89-6	
Lead	14.4	mg/kg	1.2	0.59	1	10/16/15 11:38	10/19/15 08:08	7439-92-1	
Magnesium	14300	mg/kg	59.4	29.7	1	10/16/15 11:38	10/19/15 08:08	7439-95-4	
Manganese	564	mg/kg	1.2	0.59	1	10/16/15 11:38	10/19/15 08:08	7439-96-5	
Nickel	15.8	mg/kg	1.2	0.59	1	10/16/15 11:38	10/19/15 08:08	7440-02-0	
Potassium	1400	mg/kg	59.4	29.7	1	10/16/15 11:38	10/19/15 08:08	7440-09-7	
Selenium	0.85J	mg/kg	1.2	0.59	1	10/16/15 11:38	10/19/15 08:08	7782-49-2	
Silver	<0.30	mg/kg	0.59	0.30	1	10/16/15 11:38	10/19/15 08:08	7440-22-4	
Sodium	2140	mg/kg	59.4	29.7	1	10/16/15 11:38	10/19/15 08:08	7440-23-5	
Thallium	1.6	mg/kg	1.2	0.59	1	10/16/15 11:38	10/19/15 08:08	7440-28-0	
Vanadium	30.3	mg/kg	1.2	0.59	1	10/16/15 11:38	10/19/15 08:08	7440-62-2	
Zinc	44.3	mg/kg	1.2	0.59	1	10/16/15 11:38	10/19/15 08:08	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Arsenic	0.20	mg/L	0.010	0.0029	1	10/21/15 06:57	10/25/15 11:33	7440-38-2	
Barium	1.2	mg/L	0.50	0.0033	1	10/21/15 06:57	10/25/15 11:33	7440-39-3	
Beryllium	0.013	mg/L	0.0040	0.00031	1	10/21/15 06:57	10/25/15 11:33	7440-41-7	
Cadmium	0.0030J	mg/L	0.0050	0.00021	1	10/21/15 06:57	10/25/15 11:33	7440-43-9	
Chromium	0.34	mg/L	0.010	0.0025	1	10/21/15 06:57	10/25/15 11:33	7440-47-3	
Cobalt	0.10	mg/L	0.010	0.00053	1	10/21/15 06:57	10/25/15 11:33	7440-48-4	
Copper	0.35	mg/L	0.010	0.0040	1	10/21/15 06:57	10/25/15 11:33	7440-50-8	
Iron	391	mg/L	0.10	0.016	1	10/21/15 06:57	10/25/15 11:33	7439-89-6	
Lead	0.26	mg/L	0.010	0.0029	1	10/21/15 06:57	10/25/15 11:33	7439-92-1	
Manganese	4.7	mg/L	0.010	0.0010	1	10/21/15 06:57	10/25/15 11:33	7439-96-5	
Nickel	0.34	mg/L	0.010	0.00074	1	10/21/15 06:57	10/25/15 11:33	7440-02-0	
Selenium	<0.016	mg/L	0.050	0.016	5	10/21/15 06:57	10/25/15 18:37	7782-49-2	D3
Silver	<0.0033	mg/L	0.010	0.0033	1	10/21/15 06:57	10/25/15 11:33	7440-22-4	
Zinc	0.82	mg/L	0.020	0.0030	1	10/21/15 06:57	10/25/15 11:33	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/14/15 19:10

Arsenic	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:33	7440-38-2	
Barium	0.31J	mg/L	0.50	0.25	1	10/15/15 16:52	10/19/15 02:33	7440-39-3	
Beryllium	<0.0020	mg/L	0.0040	0.0020	1	10/15/15 16:52	10/19/15 02:33	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/15/15 16:52	10/19/15 02:33	7440-43-9	
Chromium	<0.0052	mg/L	0.010	0.0052	1	10/15/15 16:52	10/19/15 02:33	7440-47-3	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: AL2-15 (0-5)-101215 Lab ID: 40122748030 Collected: 10/12/15 15:25 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/14/15 19:10									
Cobalt	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:33	7440-48-4	
Copper	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:33	7440-50-8	
Iron	0.25	mg/L	0.10	0.050	1	10/15/15 16:52	10/19/15 02:33	7439-89-6	
Lead	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:33	7439-92-1	
Manganese	0.40	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:33	7439-96-5	
Nickel	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:33	7440-02-0	
Selenium	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:33	7782-49-2	
Silver	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:33	7440-22-4	
Zinc	<0.010	mg/L	0.020	0.010	1	10/15/15 16:52	10/19/15 02:33	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.33	ug/L	0.67	0.33	1	10/20/15 19:24	10/21/15 12:33	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/14/15 19:10									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/20/15 19:25	10/21/15 14:18	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.027J	mg/kg	0.25	0.0050	1	10/16/15 20:04	10/16/15 22:27	7439-97-6	CU
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<75.9	ug/kg	253	75.9	1	10/14/15 10:45	10/16/15 11:16	83-32-9	
Acenaphthylene	<76.4	ug/kg	255	76.4	1	10/14/15 10:45	10/16/15 11:16	208-96-8	
Anthracene	<34.2	ug/kg	114	34.2	1	10/14/15 10:45	10/16/15 11:16	120-12-7	
Benzo(a)anthracene	<33.2	ug/kg	111	33.2	1	10/14/15 10:45	10/16/15 11:16	56-55-3	
Benzo(a)pyrene	<32.2	ug/kg	107	32.2	1	10/14/15 10:45	10/16/15 11:16	50-32-8	
Benzo(b)fluoranthene	<36.8	ug/kg	123	36.8	1	10/14/15 10:45	10/16/15 11:16	205-99-2	
Benzo(g,h,i)perylene	<56.0	ug/kg	187	56.0	1	10/14/15 10:45	10/16/15 11:16	191-24-2	
Benzo(k)fluoranthene	<51.3	ug/kg	171	51.3	1	10/14/15 10:45	10/16/15 11:16	207-08-9	
4-Bromophenylphenyl ether	<44.8	ug/kg	149	44.8	1	10/14/15 10:45	10/16/15 11:16	101-55-3	
Butylbenzylphthalate	<34.3	ug/kg	114	34.3	1	10/14/15 10:45	10/16/15 11:16	85-68-7	
Carbazole	<33.5	ug/kg	112	33.5	1	10/14/15 10:45	10/16/15 11:16	86-74-8	
4-Chloro-3-methylphenol	<66.6	ug/kg	222	66.6	1	10/14/15 10:45	10/16/15 11:16	59-50-7	
4-Chloroaniline	<35.2	ug/kg	117	35.2	1	10/14/15 10:45	10/16/15 11:16	106-47-8	
bis(2-Chloroethoxy)methane	<57.7	ug/kg	192	57.7	1	10/14/15 10:45	10/16/15 11:16	111-91-1	
bis(2-Chloroethyl) ether	<66.8	ug/kg	223	66.8	1	10/14/15 10:45	10/16/15 11:16	111-44-4	
2-Chloronaphthalene	<27.5	ug/kg	91.6	27.5	1	10/14/15 10:45	10/16/15 11:16	91-58-7	
2-Chlorophenol	<53.4	ug/kg	178	53.4	1	10/14/15 10:45	10/16/15 11:16	95-57-8	
4-Chlorophenylphenyl ether	<39.9	ug/kg	133	39.9	1	10/14/15 10:45	10/16/15 11:16	7005-72-3	
Chrysene	<32.0	ug/kg	107	32.0	1	10/14/15 10:45	10/16/15 11:16	218-01-9	L2
Dibenz(a,h)anthracene	<58.2	ug/kg	194	58.2	1	10/14/15 10:45	10/16/15 11:16	53-70-3	
Dibenzofuran	<25.9	ug/kg	86.4	25.9	1	10/14/15 10:45	10/16/15 11:16	132-64-9	
1,2-Dichlorobenzene	<67.3	ug/kg	224	67.3	1	10/14/15 10:45	10/16/15 11:16	95-50-1	
1,3-Dichlorobenzene	<29.6	ug/kg	98.8	29.6	1	10/14/15 10:45	10/16/15 11:16	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: AL2-15 (0-5)-101215 **Lab ID: 40122748030** Collected: 10/12/15 15:25 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,4-Dichlorobenzene	<29.8	ug/kg	99.4	29.8	1	10/14/15 10:45	10/16/15 11:16	106-46-7	
3,3'-Dichlorobenzidine	<58.1	ug/kg	194	58.1	1	10/14/15 10:45	10/16/15 11:16	91-94-1	
2,4-Dichlorophenol	<57.2	ug/kg	191	57.2	1	10/14/15 10:45	10/16/15 11:16	120-83-2	
Diethylphthalate	<35.5	ug/kg	118	35.5	1	10/14/15 10:45	10/16/15 11:16	84-66-2	
2,4-Dimethylphenol	<42.3	ug/kg	141	42.3	1	10/14/15 10:45	10/16/15 11:16	105-67-9	
Dimethylphthalate	<27.9	ug/kg	92.8	27.9	1	10/14/15 10:45	10/16/15 11:16	131-11-3	
Di-n-butylphthalate	<32.0	ug/kg	107	32.0	1	10/14/15 10:45	10/16/15 11:16	84-74-2	
4,6-Dinitro-2-methylphenol	<66.0	ug/kg	220	66.0	1	10/14/15 10:45	10/16/15 11:16	534-52-1	
2,4-Dinitrophenol	<65.2	ug/kg	217	65.2	1	10/14/15 10:45	10/16/15 11:16	51-28-5	
2,4-Dinitrotoluene	<30.6	ug/kg	102	30.6	1	10/14/15 10:45	10/16/15 11:16	121-14-2	
2,6-Dinitrotoluene	<40.6	ug/kg	135	40.6	1	10/14/15 10:45	10/16/15 11:16	606-20-2	
Di-n-octylphthalate	<48.1	ug/kg	160	48.1	1	10/14/15 10:45	10/16/15 11:16	117-84-0	
bis(2-Ethylhexyl)phthalate	<35.6	ug/kg	119	35.6	1	10/14/15 10:45	10/16/15 11:16	117-81-7	
Fluoranthene	<30.3	ug/kg	101	30.3	1	10/14/15 10:45	10/16/15 11:16	206-44-0	
Fluorene	<25.0	ug/kg	83.4	25.0	1	10/14/15 10:45	10/16/15 11:16	86-73-7	
Hexachloro-1,3-butadiene	<54.5	ug/kg	182	54.5	1	10/14/15 10:45	10/16/15 11:16	87-68-3	
Hexachlorobenzene	<36.0	ug/kg	120	36.0	1	10/14/15 10:45	10/16/15 11:16	118-74-1	
Hexachlorocyclopentadiene	<50.7	ug/kg	169	50.7	1	10/14/15 10:45	10/16/15 11:16	77-47-4	
Hexachloroethane	<34.3	ug/kg	114	34.3	1	10/14/15 10:45	10/16/15 11:16	67-72-1	
Indeno(1,2,3-cd)pyrene	<46.3	ug/kg	154	46.3	1	10/14/15 10:45	10/16/15 11:16	193-39-5	
Isophorone	<32.9	ug/kg	110	32.9	1	10/14/15 10:45	10/16/15 11:16	78-59-1	
2-Methylnaphthalene	<55.6	ug/kg	185	55.6	1	10/14/15 10:45	10/16/15 11:16	91-57-6	
2-Methylphenol(o-Cresol)	<38.9	ug/kg	130	38.9	1	10/14/15 10:45	10/16/15 11:16	95-48-7	
3&4-Methylphenol(m&p Cresol)	<39.2	ug/kg	131	39.2	1	10/14/15 10:45	10/16/15 11:16		
Naphthalene	<74.9	ug/kg	250	74.9	1	10/14/15 10:45	10/16/15 11:16	91-20-3	
2-Nitroaniline	<61.0	ug/kg	203	61.0	1	10/14/15 10:45	10/16/15 11:16	88-74-4	
3-Nitroaniline	<36.4	ug/kg	121	36.4	1	10/14/15 10:45	10/16/15 11:16	99-09-2	
4-Nitroaniline	<88.9	ug/kg	296	88.9	1	10/14/15 10:45	10/16/15 11:16	100-01-6	
Nitrobenzene	<43.4	ug/kg	145	43.4	1	10/14/15 10:45	10/16/15 11:16	98-95-3	
2-Nitrophenol	<67.6	ug/kg	225	67.6	1	10/14/15 10:45	10/16/15 11:16	88-75-5	
4-Nitrophenol	<53.9	ug/kg	180	53.9	1	10/14/15 10:45	10/16/15 11:16	100-02-7	
N-Nitroso-di-n-propylamine	<34.0	ug/kg	113	34.0	1	10/14/15 10:45	10/16/15 11:16	621-64-7	
N-Nitrosodiphenylamine	<291	ug/kg	968	291	1	10/14/15 10:45	10/16/15 11:16	86-30-6	
2,2'-Oxybis(1-chloropropane)	<55.2	ug/kg	184	55.2	1	10/14/15 10:45	10/16/15 11:16	108-60-1	
Pentachlorophenol	<47.2	ug/kg	157	47.2	1	10/14/15 10:45	10/16/15 11:16	87-86-5	
Phenanthrene	<27.5	ug/kg	91.6	27.5	1	10/14/15 10:45	10/16/15 11:16	85-01-8	
Phenol	<50.8	ug/kg	169	50.8	1	10/14/15 10:45	10/16/15 11:16	108-95-2	
Pyrene	<47.5	ug/kg	158	47.5	1	10/14/15 10:45	10/16/15 11:16	129-00-0	
1,2,4-Trichlorobenzene	<24.2	ug/kg	80.7	24.2	1	10/14/15 10:45	10/16/15 11:16	120-82-1	
2,4,5-Trichlorophenol	<37.8	ug/kg	126	37.8	1	10/14/15 10:45	10/16/15 11:16	95-95-4	
2,4,6-Trichlorophenol	<32.6	ug/kg	109	32.6	1	10/14/15 10:45	10/16/15 11:16	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	65	%	45-130		1	10/14/15 10:45	10/16/15 11:16	4165-60-0	
2-Fluorobiphenyl (S)	70	%	51-130		1	10/14/15 10:45	10/16/15 11:16	321-60-8	
Terphenyl-d14 (S)	66	%	37-134		1	10/14/15 10:45	10/16/15 11:16	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: AL2-15 (0-5)-101215 Lab ID: 40122748030 Collected: 10/12/15 15:25 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Phenol-d6 (S)	57	%	36-130		1	10/14/15 10:45	10/16/15 11:16	13127-88-3	
2-Fluorophenol (S)	56	%	37-130		1	10/14/15 10:45	10/16/15 11:16	367-12-4	
2,4,6-Tribromophenol (S)	52	%	30-130		1	10/14/15 10:45	10/16/15 11:16	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<5.4	ug/kg	17.4	5.4	1	10/15/15 12:00	10/15/15 14:51	67-64-1	2q
Benzene	<1.4	ug/kg	4.3	1.4	1	10/15/15 12:00	10/15/15 14:51	71-43-2	
Bromodichloromethane	<0.95	ug/kg	4.3	0.95	1	10/15/15 12:00	10/15/15 14:51	75-27-4	
Bromoform	<0.74	ug/kg	4.3	0.74	1	10/15/15 12:00	10/15/15 14:51	75-25-2	
Bromomethane	<1.3	ug/kg	8.7	1.3	1	10/15/15 12:00	10/15/15 14:51	74-83-9	
2-Butanone (MEK)	<2.5	ug/kg	17.4	2.5	1	10/15/15 12:00	10/15/15 14:51	78-93-3	
Carbon disulfide	<1.1	ug/kg	4.3	1.1	1	10/15/15 12:00	10/15/15 14:51	75-15-0	
Carbon tetrachloride	<1.4	ug/kg	4.3	1.4	1	10/15/15 12:00	10/15/15 14:51	56-23-5	
Chlorobenzene	<1.4	ug/kg	4.3	1.4	1	10/15/15 12:00	10/15/15 14:51	108-90-7	
Chloroethane	<1.7	ug/kg	4.3	1.7	1	10/15/15 12:00	10/15/15 14:51	75-00-3	
Chloroform	<0.82	ug/kg	4.3	0.82	1	10/15/15 12:00	10/15/15 14:51	67-66-3	
Chloromethane	<0.49	ug/kg	4.3	0.49	1	10/15/15 12:00	10/15/15 14:51	74-87-3	
Dibromochloromethane	<1.5	ug/kg	4.3	1.5	1	10/15/15 12:00	10/15/15 14:51	124-48-1	
1,1-Dichloroethane	<2.1	ug/kg	4.3	2.1	1	10/15/15 12:00	10/15/15 14:51	75-34-3	
1,2-Dichloroethane	<0.85	ug/kg	4.3	0.85	1	10/15/15 12:00	10/15/15 14:51	107-06-2	
1,1-Dichloroethene	<2.0	ug/kg	4.3	2.0	1	10/15/15 12:00	10/15/15 14:51	75-35-4	
cis-1,2-Dichloroethene	<1.2	ug/kg	4.3	1.2	1	10/15/15 12:00	10/15/15 14:51	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/kg	4.3	1.1	1	10/15/15 12:00	10/15/15 14:51	156-60-5	
1,2-Dichloropropane	<1.1	ug/kg	4.3	1.1	1	10/15/15 12:00	10/15/15 14:51	78-87-5	
cis-1,3-Dichloropropene	<0.58	ug/kg	4.3	0.58	1	10/15/15 12:00	10/15/15 14:51	10061-01-5	
trans-1,3-Dichloropropene	<0.80	ug/kg	4.3	0.80	1	10/15/15 12:00	10/15/15 14:51	10061-02-6	
Ethylbenzene	<1.3	ug/kg	4.3	1.3	1	10/15/15 12:00	10/15/15 14:51	100-41-4	
2-Hexanone	<1.3	ug/kg	4.3	1.3	1	10/15/15 12:00	10/15/15 14:51	591-78-6	
Methylene Chloride	<1.6	ug/kg	4.3	1.6	1	10/15/15 12:00	10/15/15 14:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	<1.1	ug/kg	4.3	1.1	1	10/15/15 12:00	10/15/15 14:51	108-10-1	
Methyl-tert-butyl ether	<0.87	ug/kg	4.3	0.87	1	10/15/15 12:00	10/15/15 14:51	1634-04-4	
Styrene	<0.66	ug/kg	4.3	0.66	1	10/15/15 12:00	10/15/15 14:51	100-42-5	
1,1,2,2-Tetrachloroethane	<1.8	ug/kg	4.3	1.8	1	10/15/15 12:00	10/15/15 14:51	79-34-5	
Tetrachloroethene	<1.4	ug/kg	4.3	1.4	1	10/15/15 12:00	10/15/15 14:51	127-18-4	
Toluene	<1.3	ug/kg	4.3	1.3	1	10/15/15 12:00	10/15/15 14:51	108-88-3	
1,1,1-Trichloroethane	<1.3	ug/kg	4.3	1.3	1	10/15/15 12:00	10/15/15 14:51	71-55-6	
1,1,2-Trichloroethane	<1.7	ug/kg	4.3	1.7	1	10/15/15 12:00	10/15/15 14:51	79-00-5	
Trichloroethene	<1.7	ug/kg	4.3	1.7	1	10/15/15 12:00	10/15/15 14:51	79-01-6	
Vinyl chloride	<0.47	ug/kg	4.3	0.47	1	10/15/15 12:00	10/15/15 14:51	75-01-4	
Xylene (Total)	<3.9	ug/kg	13.0	3.9	1	10/15/15 12:00	10/15/15 14:51	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	103	%	70-130		1	10/15/15 12:00	10/15/15 14:51	1868-53-7	
Toluene-d8 (S)	102	%	67-138		1	10/15/15 12:00	10/15/15 14:51	2037-26-5	
4-Bromofluorobenzene (S)	96	%	68-130		1	10/15/15 12:00	10/15/15 14:51	460-00-4	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: AL2-15 (0-5)-101215 **Lab ID: 40122748030** Collected: 10/12/15 15:25 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	22.0	%	0.10	0.10	1		10/13/15 16:21		
9040 pH	Analytical Method: EPA 9040								
pH	8.1	Std. Units	0.10	0.010	1		10/15/15 14:25		4q,H6

Revised 11/05/15 16:36

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: AL2-15 (5-9)-101215 Lab ID: 40122748031 Collected: 10/12/15 15:30 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.52	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:10	7440-36-0	
Arsenic	8.0	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:10	7440-38-2	
Barium	110	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:10	7440-39-3	
Beryllium	0.65	mg/kg	0.52	0.26	1	10/16/15 11:38	10/19/15 08:10	7440-41-7	
Cadmium	0.34J	mg/kg	0.52	0.26	1	10/16/15 11:38	10/19/15 08:10	7440-43-9	
Calcium	3800	mg/kg	52.0	26.0	1	10/16/15 11:38	10/19/15 08:10	7440-70-2	
Chromium	18.0	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:10	7440-47-3	
Cobalt	9.8	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:10	7440-48-4	
Copper	23.2	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:10	7440-50-8	
Iron	20400	mg/kg	52.0	26.0	1	10/16/15 11:38	10/19/15 08:10	7439-89-6	
Lead	12.7	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:10	7439-92-1	
Magnesium	2520	mg/kg	52.0	26.0	1	10/16/15 11:38	10/19/15 08:10	7439-95-4	
Manganese	829	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:10	7439-96-5	
Nickel	16.5	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:10	7440-02-0	
Potassium	2120	mg/kg	52.0	26.0	1	10/16/15 11:38	10/19/15 08:10	7440-09-7	
Selenium	0.97J	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:10	7782-49-2	
Silver	<0.26	mg/kg	0.52	0.26	1	10/16/15 11:38	10/19/15 08:10	7440-22-4	
Sodium	1360	mg/kg	52.0	26.0	1	10/16/15 11:38	10/19/15 08:10	7440-23-5	
Thallium	1.7	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:10	7440-28-0	
Vanadium	31.1	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:10	7440-62-2	
Zinc	72.7	mg/kg	1.0	0.52	1	10/16/15 11:38	10/19/15 08:10	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Arsenic	0.042	mg/L	0.010	0.0029	1	10/21/15 06:57	10/25/15 11:35	7440-38-2	
Barium	0.92	mg/L	0.50	0.0033	1	10/21/15 06:57	10/25/15 11:35	7440-39-3	
Beryllium	0.0042	mg/L	0.0040	0.00031	1	10/21/15 06:57	10/25/15 11:35	7440-41-7	
Cadmium	0.0018J	mg/L	0.0050	0.00021	1	10/21/15 06:57	10/25/15 11:35	7440-43-9	
Chromium	0.12	mg/L	0.010	0.0025	1	10/21/15 06:57	10/25/15 11:35	7440-47-3	
Cobalt	0.031	mg/L	0.010	0.00053	1	10/21/15 06:57	10/25/15 11:35	7440-48-4	
Copper	0.13	mg/L	0.010	0.0040	1	10/21/15 06:57	10/25/15 11:35	7440-50-8	
Iron	116	mg/L	0.10	0.016	1	10/21/15 06:57	10/25/15 11:35	7439-89-6	
Lead	0.060	mg/L	0.010	0.0029	1	10/21/15 06:57	10/25/15 11:35	7439-92-1	
Manganese	2.8	mg/L	0.010	0.0010	1	10/21/15 06:57	10/25/15 11:35	7439-96-5	
Nickel	0.088	mg/L	0.010	0.00074	1	10/21/15 06:57	10/25/15 11:35	7440-02-0	
Selenium	<0.0033	mg/L	0.010	0.0033	1	10/21/15 06:57	10/25/15 11:35	7782-49-2	
Silver	<0.0033	mg/L	0.010	0.0033	1	10/21/15 06:57	10/25/15 11:35	7440-22-4	
Zinc	0.50	mg/L	0.020	0.0030	1	10/21/15 06:57	10/25/15 11:35	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/14/15 19:10

Arsenic	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:35	7440-38-2	
Barium	0.34J	mg/L	0.50	0.25	1	10/15/15 16:52	10/19/15 02:35	7440-39-3	
Beryllium	<0.0020	mg/L	0.0040	0.0020	1	10/15/15 16:52	10/19/15 02:35	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/15/15 16:52	10/19/15 02:35	7440-43-9	
Chromium	<0.0052	mg/L	0.010	0.0052	1	10/15/15 16:52	10/19/15 02:35	7440-47-3	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: AL2-15 (5-9)-101215 Lab ID: 40122748031 Collected: 10/12/15 15:30 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/14/15 19:10									
Cobalt	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:35	7440-48-4	
Copper	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:35	7440-50-8	
Iron	0.26	mg/L	0.10	0.050	1	10/15/15 16:52	10/19/15 02:35	7439-89-6	
Lead	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:35	7439-92-1	
Manganese	0.077	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:35	7439-96-5	
Nickel	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:35	7440-02-0	
Selenium	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:35	7782-49-2	
Silver	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:35	7440-22-4	
Zinc	0.011J	mg/L	0.020	0.010	1	10/15/15 16:52	10/19/15 02:35	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.33	ug/L	0.67	0.33	1	10/20/15 19:24	10/21/15 12:35	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/21/15 15:26									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/21/15 23:39	10/22/15 10:50	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.020J	mg/kg	0.23	0.0046	1	10/16/15 20:04	10/16/15 22:30	7439-97-6	CU
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<69.7	ug/kg	232	69.7	1	10/14/15 10:45	10/16/15 09:43	83-32-9	
Acenaphthylene	<70.1	ug/kg	234	70.1	1	10/14/15 10:45	10/16/15 09:43	208-96-8	
Anthracene	<31.4	ug/kg	105	31.4	1	10/14/15 10:45	10/16/15 09:43	120-12-7	
Benzo(a)anthracene	<30.4	ug/kg	101	30.4	1	10/14/15 10:45	10/16/15 09:43	56-55-3	
Benzo(a)pyrene	<29.6	ug/kg	98.5	29.6	1	10/14/15 10:45	10/16/15 09:43	50-32-8	
Benzo(b)fluoranthene	<33.7	ug/kg	112	33.7	1	10/14/15 10:45	10/16/15 09:43	205-99-2	
Benzo(g,h,i)perylene	<51.4	ug/kg	171	51.4	1	10/14/15 10:45	10/16/15 09:43	191-24-2	
Benzo(k)fluoranthene	<47.0	ug/kg	157	47.0	1	10/14/15 10:45	10/16/15 09:43	207-08-9	
4-Bromophenylphenyl ether	<41.1	ug/kg	137	41.1	1	10/14/15 10:45	10/16/15 09:43	101-55-3	
Butylbenzylphthalate	<31.5	ug/kg	105	31.5	1	10/14/15 10:45	10/16/15 09:43	85-68-7	
Carbazole	<30.8	ug/kg	102	30.8	1	10/14/15 10:45	10/16/15 09:43	86-74-8	
4-Chloro-3-methylphenol	<61.1	ug/kg	204	61.1	1	10/14/15 10:45	10/16/15 09:43	59-50-7	
4-Chloroaniline	<32.3	ug/kg	108	32.3	1	10/14/15 10:45	10/16/15 09:43	106-47-8	
bis(2-Chloroethoxy)methane	<52.9	ug/kg	176	52.9	1	10/14/15 10:45	10/16/15 09:43	111-91-1	
bis(2-Chloroethyl) ether	<61.3	ug/kg	204	61.3	1	10/14/15 10:45	10/16/15 09:43	111-44-4	
2-Chloronaphthalene	<25.2	ug/kg	84.1	25.2	1	10/14/15 10:45	10/16/15 09:43	91-58-7	
2-Chlorophenol	<49.0	ug/kg	163	49.0	1	10/14/15 10:45	10/16/15 09:43	95-57-8	
4-Chlorophenylphenyl ether	<36.6	ug/kg	122	36.6	1	10/14/15 10:45	10/16/15 09:43	7005-72-3	
Chrysene	<29.4	ug/kg	97.9	29.4	1	10/14/15 10:45	10/16/15 09:43	218-01-9	L2
Dibenz(a,h)anthracene	<53.3	ug/kg	178	53.3	1	10/14/15 10:45	10/16/15 09:43	53-70-3	
Dibenzofuran	<23.8	ug/kg	79.2	23.8	1	10/14/15 10:45	10/16/15 09:43	132-64-9	
1,2-Dichlorobenzene	<61.8	ug/kg	206	61.8	1	10/14/15 10:45	10/16/15 09:43	95-50-1	
1,3-Dichlorobenzene	<27.2	ug/kg	90.7	27.2	1	10/14/15 10:45	10/16/15 09:43	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: AL2-15 (5-9)-101215 **Lab ID:** 40122748031 Collected: 10/12/15 15:30 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,4-Dichlorobenzene	<27.4	ug/kg	91.2	27.4	1	10/14/15 10:45	10/16/15 09:43	106-46-7	
3,3'-Dichlorobenzidine	<53.3	ug/kg	178	53.3	1	10/14/15 10:45	10/16/15 09:43	91-94-1	
2,4-Dichlorophenol	<52.5	ug/kg	175	52.5	1	10/14/15 10:45	10/16/15 09:43	120-83-2	
Diethylphthalate	<32.6	ug/kg	109	32.6	1	10/14/15 10:45	10/16/15 09:43	84-66-2	
2,4-Dimethylphenol	<38.8	ug/kg	129	38.8	1	10/14/15 10:45	10/16/15 09:43	105-67-9	
Dimethylphthalate	<25.5	ug/kg	85.2	25.5	1	10/14/15 10:45	10/16/15 09:43	131-11-3	
Di-n-butylphthalate	<29.4	ug/kg	97.9	29.4	1	10/14/15 10:45	10/16/15 09:43	84-74-2	
4,6-Dinitro-2-methylphenol	<60.5	ug/kg	202	60.5	1	10/14/15 10:45	10/16/15 09:43	534-52-1	
2,4-Dinitrophenol	<59.8	ug/kg	199	59.8	1	10/14/15 10:45	10/16/15 09:43	51-28-5	
2,4-Dinitrotoluene	<28.1	ug/kg	93.6	28.1	1	10/14/15 10:45	10/16/15 09:43	121-14-2	
2,6-Dinitrotoluene	<37.3	ug/kg	124	37.3	1	10/14/15 10:45	10/16/15 09:43	606-20-2	
Di-n-octylphthalate	<44.2	ug/kg	147	44.2	1	10/14/15 10:45	10/16/15 09:43	117-84-0	
bis(2-Ethylhexyl)phthalate	<32.7	ug/kg	109	32.7	1	10/14/15 10:45	10/16/15 09:43	117-81-7	
Fluoranthene	<27.8	ug/kg	92.6	27.8	1	10/14/15 10:45	10/16/15 09:43	206-44-0	
Fluorene	<23.0	ug/kg	76.5	23.0	1	10/14/15 10:45	10/16/15 09:43	86-73-7	
Hexachloro-1,3-butadiene	<50.0	ug/kg	167	50.0	1	10/14/15 10:45	10/16/15 09:43	87-68-3	
Hexachlorobenzene	<33.0	ug/kg	110	33.0	1	10/14/15 10:45	10/16/15 09:43	118-74-1	
Hexachlorocyclopentadiene	<46.5	ug/kg	155	46.5	1	10/14/15 10:45	10/16/15 09:43	77-47-4	
Hexachloroethane	<31.4	ug/kg	105	31.4	1	10/14/15 10:45	10/16/15 09:43	67-72-1	
Indeno(1,2,3-cd)pyrene	<42.5	ug/kg	142	42.5	1	10/14/15 10:45	10/16/15 09:43	193-39-5	
Isophorone	<30.2	ug/kg	101	30.2	1	10/14/15 10:45	10/16/15 09:43	78-59-1	
2-Methylnaphthalene	<51.0	ug/kg	170	51.0	1	10/14/15 10:45	10/16/15 09:43	91-57-6	
2-Methylphenol(o-Cresol)	<35.7	ug/kg	119	35.7	1	10/14/15 10:45	10/16/15 09:43	95-48-7	
3&4-Methylphenol(m&p Cresol)	<36.0	ug/kg	120	36.0	1	10/14/15 10:45	10/16/15 09:43		
Naphthalene	<68.7	ug/kg	229	68.7	1	10/14/15 10:45	10/16/15 09:43	91-20-3	
2-Nitroaniline	<56.0	ug/kg	187	56.0	1	10/14/15 10:45	10/16/15 09:43	88-74-4	
3-Nitroaniline	<33.4	ug/kg	111	33.4	1	10/14/15 10:45	10/16/15 09:43	99-09-2	
4-Nitroaniline	<81.5	ug/kg	272	81.5	1	10/14/15 10:45	10/16/15 09:43	100-01-6	
Nitrobenzene	<39.8	ug/kg	133	39.8	1	10/14/15 10:45	10/16/15 09:43	98-95-3	
2-Nitrophenol	<62.0	ug/kg	207	62.0	1	10/14/15 10:45	10/16/15 09:43	88-75-5	
4-Nitrophenol	<49.5	ug/kg	165	49.5	1	10/14/15 10:45	10/16/15 09:43	100-02-7	
N-Nitroso-di-n-propylamine	<31.2	ug/kg	104	31.2	1	10/14/15 10:45	10/16/15 09:43	621-64-7	
N-Nitrosodiphenylamine	<266	ug/kg	888	266	1	10/14/15 10:45	10/16/15 09:43	86-30-6	
2,2'-Oxybis(1-chloropropane)	<50.6	ug/kg	169	50.6	1	10/14/15 10:45	10/16/15 09:43	108-60-1	
Pentachlorophenol	<43.3	ug/kg	144	43.3	1	10/14/15 10:45	10/16/15 09:43	87-86-5	
Phenanthrene	<25.2	ug/kg	84.0	25.2	1	10/14/15 10:45	10/16/15 09:43	85-01-8	
Phenol	<46.6	ug/kg	155	46.6	1	10/14/15 10:45	10/16/15 09:43	108-95-2	
Pyrene	<43.5	ug/kg	145	43.5	1	10/14/15 10:45	10/16/15 09:43	129-00-0	
1,2,4-Trichlorobenzene	<22.2	ug/kg	74.0	22.2	1	10/14/15 10:45	10/16/15 09:43	120-82-1	
2,4,5-Trichlorophenol	<34.7	ug/kg	116	34.7	1	10/14/15 10:45	10/16/15 09:43	95-95-4	
2,4,6-Trichlorophenol	<29.9	ug/kg	99.8	29.9	1	10/14/15 10:45	10/16/15 09:43	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	64	%	45-130		1	10/14/15 10:45	10/16/15 09:43	4165-60-0	
2-Fluorobiphenyl (S)	63	%	51-130		1	10/14/15 10:45	10/16/15 09:43	321-60-8	
Terphenyl-d14 (S)	63	%	37-134		1	10/14/15 10:45	10/16/15 09:43	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: AL2-15 (5-9)-101215 Lab ID: 40122748031 Collected: 10/12/15 15:30 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Phenol-d6 (S)	61	%	36-130		1	10/14/15 10:45	10/16/15 09:43	13127-88-3	
2-Fluorophenol (S)	67	%	37-130		1	10/14/15 10:45	10/16/15 09:43	367-12-4	
2,4,6-Tribromophenol (S)	60	%	30-130		1	10/14/15 10:45	10/16/15 09:43	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.5	ug/kg	14.4	4.5	1	10/15/15 12:00	10/15/15 17:45	67-64-1	2q
Benzene	<1.2	ug/kg	3.6	1.2	1	10/15/15 12:00	10/15/15 17:45	71-43-2	
Bromodichloromethane	<0.79	ug/kg	3.6	0.79	1	10/15/15 12:00	10/15/15 17:45	75-27-4	
Bromoform	<0.61	ug/kg	3.6	0.61	1	10/15/15 12:00	10/15/15 17:45	75-25-2	
Bromomethane	<1.1	ug/kg	7.2	1.1	1	10/15/15 12:00	10/15/15 17:45	74-83-9	
2-Butanone (MEK)	<2.0	ug/kg	14.4	2.0	1	10/15/15 12:00	10/15/15 17:45	78-93-3	
Carbon disulfide	<0.93	ug/kg	3.6	0.93	1	10/15/15 12:00	10/15/15 17:45	75-15-0	
Carbon tetrachloride	<1.1	ug/kg	3.6	1.1	1	10/15/15 12:00	10/15/15 17:45	56-23-5	
Chlorobenzene	<1.1	ug/kg	3.6	1.1	1	10/15/15 12:00	10/15/15 17:45	108-90-7	
Chloroethane	<1.4	ug/kg	3.6	1.4	1	10/15/15 12:00	10/15/15 17:45	75-00-3	
Chloroform	<0.68	ug/kg	3.6	0.68	1	10/15/15 12:00	10/15/15 17:45	67-66-3	
Chloromethane	<0.40	ug/kg	3.6	0.40	1	10/15/15 12:00	10/15/15 17:45	74-87-3	
Dibromochloromethane	<1.2	ug/kg	3.6	1.2	1	10/15/15 12:00	10/15/15 17:45	124-48-1	
1,1-Dichloroethane	<1.7	ug/kg	3.6	1.7	1	10/15/15 12:00	10/15/15 17:45	75-34-3	
1,2-Dichloroethane	<0.70	ug/kg	3.6	0.70	1	10/15/15 12:00	10/15/15 17:45	107-06-2	
1,1-Dichloroethene	<1.6	ug/kg	3.6	1.6	1	10/15/15 12:00	10/15/15 17:45	75-35-4	
cis-1,2-Dichloroethene	<0.95	ug/kg	3.6	0.95	1	10/15/15 12:00	10/15/15 17:45	156-59-2	
trans-1,2-Dichloroethene	<0.89	ug/kg	3.6	0.89	1	10/15/15 12:00	10/15/15 17:45	156-60-5	
1,2-Dichloropropane	<0.91	ug/kg	3.6	0.91	1	10/15/15 12:00	10/15/15 17:45	78-87-5	
cis-1,3-Dichloropropene	<0.48	ug/kg	3.6	0.48	1	10/15/15 12:00	10/15/15 17:45	10061-01-5	
trans-1,3-Dichloropropene	<0.67	ug/kg	3.6	0.67	1	10/15/15 12:00	10/15/15 17:45	10061-02-6	
Ethylbenzene	<1.0	ug/kg	3.6	1.0	1	10/15/15 12:00	10/15/15 17:45	100-41-4	
2-Hexanone	<1.1	ug/kg	3.6	1.1	1	10/15/15 12:00	10/15/15 17:45	591-78-6	
Methylene Chloride	<1.3	ug/kg	3.6	1.3	1	10/15/15 12:00	10/15/15 17:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.88	ug/kg	3.6	0.88	1	10/15/15 12:00	10/15/15 17:45	108-10-1	
Methyl-tert-butyl ether	<0.72	ug/kg	3.6	0.72	1	10/15/15 12:00	10/15/15 17:45	1634-04-4	
Styrene	<0.54	ug/kg	3.6	0.54	1	10/15/15 12:00	10/15/15 17:45	100-42-5	
1,1,2,2-Tetrachloroethane	<1.5	ug/kg	3.6	1.5	1	10/15/15 12:00	10/15/15 17:45	79-34-5	
Tetrachloroethene	<1.1	ug/kg	3.6	1.1	1	10/15/15 12:00	10/15/15 17:45	127-18-4	
Toluene	<1.1	ug/kg	3.6	1.1	1	10/15/15 12:00	10/15/15 17:45	108-88-3	
1,1,1-Trichloroethane	<1.1	ug/kg	3.6	1.1	1	10/15/15 12:00	10/15/15 17:45	71-55-6	
1,1,2-Trichloroethane	<1.4	ug/kg	3.6	1.4	1	10/15/15 12:00	10/15/15 17:45	79-00-5	
Trichloroethene	<1.4	ug/kg	3.6	1.4	1	10/15/15 12:00	10/15/15 17:45	79-01-6	
Vinyl chloride	<0.39	ug/kg	3.6	0.39	1	10/15/15 12:00	10/15/15 17:45	75-01-4	
Xylene (Total)	<3.2	ug/kg	10.8	3.2	1	10/15/15 12:00	10/15/15 17:45	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	105	%	70-130		1	10/15/15 12:00	10/15/15 17:45	1868-53-7	
Toluene-d8 (S)	105	%	67-138		1	10/15/15 12:00	10/15/15 17:45	2037-26-5	
4-Bromofluorobenzene (S)	94	%	68-130		1	10/15/15 12:00	10/15/15 17:45	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: AL2-15 (5-9)-101215 **Lab ID: 40122748031** Collected: 10/12/15 15:30 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	15.0	%	0.10	0.10	1		10/13/15 16:21		
9045 pH Soil									
Analytical Method: EPA 9045									
pH at 25 Degrees C	7.17	Std. Units	0.100	0.0100	1		10/15/15 15:30		H6

Revised 11/05/15 16:36

REPORT OF LABORATORY ANALYSIS

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CHAIN OF CUSTODY

A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H= Sodium Bisulfate Solution I= Sodium Thiosulfate J=Other

UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

Page 1 of 1

Company Name: EDT

Branch/Location: Patricia/Colin

Project Contact: 312 345 1400

Phone: 312 345 1400

Project Number: 0295.020

Project Name: FAI 55

Project State: IL

Sampled By (Print): Colin Pearce

Sampled By (Sign): [Signature]

PO #: _____

Regulatory Program: _____

EPA Level III
 EPA Level IV

On your sample (billable)
 NOT needed on your sample

A = Air
 B = Biota
 C = Charcoal
 O = Oil
 S = Soil
 Sl = Sludge

W = Water
 DW = Drinking Water
 GW = Ground Water
 SW = Surface Water
 WW = Waste Water
 WP = Wipe

Y/N	Pick Letter	Analyses Requested
		VOCs
		SVOCs
		Total Metals
		TCLP Metals
		SPLP Metals
		pH

Quote #: _____

Mail To Contact: _____

Mail To Company: _____

Mail To Address: _____

Invoice To Contact: _____

Invoice To Company: _____

Invoice To Address: _____

Invoice To Phone: _____

CLIENT COMMENTS: _____

LAB COMMENTS (Lab Use Only): 3-40ml, 3-40ug

Profile #: _____

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	PAGE PROJECT NO.
001	SR16(0-1)-101215	10/21/15	1025	Soil	Patricia/Colin	10/21/15 1335	Patricia/Colin	10/21/15 1335	40102748
002	SR16(7-15)-101215	10/21/15	1050		Patricia/Colin	10/21/15 1335	Patricia/Colin	10/21/15 1335	
003	SR16(15-23)-101215	10/21/15	1115		Patricia/Colin	10/21/15 1335	Patricia/Colin	10/21/15 1335	
004	SR15(0-8)-101215	10/21/15	1215		Patricia/Colin	10/21/15 1335	Patricia/Colin	10/21/15 1335	
005	SR15(8-16)-101215	10/21/15	1235		Patricia/Colin	10/21/15 1335	Patricia/Colin	10/21/15 1335	
006	SR15(16-24)-101215	10/21/15	1245		Patricia/Colin	10/21/15 1335	Patricia/Colin	10/21/15 1335	
007	VL3-4(0-2)-101215	10/21/15	1310		Patricia/Colin	10/21/15 1335	Patricia/Colin	10/21/15 1335	
008	VL3-3(0-4)-101215	10/21/15	1330		Patricia/Colin	10/21/15 1335	Patricia/Colin	10/21/15 1335	
009	VL3-2(0-4)-101215	10/21/15	1350		Patricia/Colin	10/21/15 1335	Patricia/Colin	10/21/15 1335	
010	VL3-1(0-6)-101215	10/21/15	1430		Patricia/Colin	10/21/15 1335	Patricia/Colin	10/21/15 1335	
011	VL3-1(6-12)-101215	10/21/15	1450		Patricia/Colin	10/21/15 1335	Patricia/Colin	10/21/15 1335	
012	VL5-1(0-5)-101215	10/21/15	1515		Patricia/Colin	10/21/15 1335	Patricia/Colin	10/21/15 1335	
013	VL15-1(5-9)-101215	10/21/15	1530		Patricia/Colin	10/21/15 1335	Patricia/Colin	10/21/15 1335	

Transmit Prelim Rush Results by (complete what you want):
 Email #1: _____
 Email #2: _____
 Telephone: _____
 Fax: _____

Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____

Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

Cooler Custody Seal
 Present / Not Present
 Intact / Not Intact

Receipt Temp = 20.5 D.C
 Sample Receipt pH OK / Adjusted

(Please Print Clearly)

Company Name: _____
 Branch/Location: _____
 Project Contact: _____
 Phone: _____
 Project Number: ~~1007-035-032~~
 Project Name: 1007-035-032
 Project State: ILLINOIS
 Sampled By (Print): M. Doherty-Skulski
 Sampled By (Sign): *M. Doherty-Skulski*
 PO #: _____
 Regulatory Program: _____



CHAIN OF CUSTODY

FILED? (YES/NO)
 PRESERVATION (CODE)*
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H= Sodium Bisulfate Solution I= Sodium Thiosulfate J= Other

UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

Y/N	Pick Letter	Analyses Requested
N	E	VOCs
N	A	SVOCS
N	A	Total Metals
N	A	SPLP Metals
N	A	TCU Metals
N	A	pH

PAGE LAB #	CLIENT FIELD ID	DATE	COLLECTION TIME	MATRIX	Analyses Requested	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Received By:	Date/Time:	Received By:	Date/Time:	LAB COMMENTS (Lab Use Only)	Profile #
014	SR-10-7)-101215	10-12-15	1025	S	X	<i>M. Doherty-Skulski</i>	02-15 1545	<i>M. Doherty-Skulski</i>	02-15 1545	<i>M. Doherty-Skulski</i>	02-15 1545	<i>M. Doherty-Skulski</i>	02-15 1545	3-40ml, Eff 3-4026	
015	SR-17(0-7)-101215D	10-12-15	1025	S	X	<i>M. Doherty-Skulski</i>	02-15 1545	<i>M. Doherty-Skulski</i>	02-15 1545	<i>M. Doherty-Skulski</i>	02-15 1545	<i>M. Doherty-Skulski</i>	02-15 1545		
016	SR-17(7-5)-101215	10-12-15	1050	S	X	<i>M. Doherty-Skulski</i>	02-15 1545	<i>M. Doherty-Skulski</i>	02-15 1545	<i>M. Doherty-Skulski</i>	02-15 1545	<i>M. Doherty-Skulski</i>	02-15 1545		
017	SR-18(0-6)-101215	10-12-15	1150	S	X	<i>M. Doherty-Skulski</i>	02-15 1545	<i>M. Doherty-Skulski</i>	02-15 1545	<i>M. Doherty-Skulski</i>	02-15 1545	<i>M. Doherty-Skulski</i>	02-15 1545		
018	SR-18(6-12)-101215	10-12-15	1205	S	X	<i>M. Doherty-Skulski</i>	02-15 1545	<i>M. Doherty-Skulski</i>	02-15 1545	<i>M. Doherty-Skulski</i>	02-15 1545	<i>M. Doherty-Skulski</i>	02-15 1545		
019	SR-18(12-15)-101215	10-12-15	1225	S	X	<i>M. Doherty-Skulski</i>	02-15 1545	<i>M. Doherty-Skulski</i>	02-15 1545	<i>M. Doherty-Skulski</i>	02-15 1545	<i>M. Doherty-Skulski</i>	02-15 1545		
020	SR-19(0-6)-101215	10-12-15	1255	S	X	<i>M. Doherty-Skulski</i>	02-15 1545	<i>M. Doherty-Skulski</i>	02-15 1545	<i>M. Doherty-Skulski</i>	02-15 1545	<i>M. Doherty-Skulski</i>	02-15 1545		
021	SR-19(6-12)-101215	10-12-15	1320	S	X	<i>M. Doherty-Skulski</i>	02-15 1545	<i>M. Doherty-Skulski</i>	02-15 1545	<i>M. Doherty-Skulski</i>	02-15 1545	<i>M. Doherty-Skulski</i>	02-15 1545		
022	SR-19(12-14)-101215	10-12-15	1340	S	X	<i>M. Doherty-Skulski</i>	02-15 1545	<i>M. Doherty-Skulski</i>	02-15 1545	<i>M. Doherty-Skulski</i>	02-15 1545	<i>M. Doherty-Skulski</i>	02-15 1545		

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed: _____
 Transmit Prelim Rush Results by (complete what you want): _____
 Email #1: _____
 Email #2: _____
 Telephone: _____
 Fax: _____

Relinquished By: *M. Doherty-Skulski*
 Date/Time: 02-15 1545
 Relinquished By: *M. Doherty-Skulski*
 Date/Time: 02-15 1545
 Relinquished By: *M. Doherty-Skulski*
 Date/Time: 02-15 1545
 Relinquished By: *M. Doherty-Skulski*
 Date/Time: 02-15 1545
 Relinquished By: *M. Doherty-Skulski*
 Date/Time: 02-15 1545
 Relinquished By: *M. Doherty-Skulski*
 Date/Time: 02-15 1545

Received By: *M. Doherty-Skulski*
 Date/Time: 02-15 1545
 Received By: *M. Doherty-Skulski*
 Date/Time: 02-15 1545
 Received By: *M. Doherty-Skulski*
 Date/Time: 02-15 1545
 Received By: *M. Doherty-Skulski*
 Date/Time: 02-15 1545
 Received By: *M. Doherty-Skulski*
 Date/Time: 02-15 1545
 Received By: *M. Doherty-Skulski*
 Date/Time: 02-15 1545

Quote #: _____
 Mail To Contact: _____
 Mail To Company: _____
 Mail To Address: _____
 Invoice To Contact: _____
 Invoice To Company: _____
 Invoice To Address: _____
 Invoice To Phone: _____
 CLIENT COMMENTS: _____
 LAB COMMENTS (Lab Use Only): 3-40ml, Eff 3-4026
 PAGE Project No. 40122748
 Receipt Temp = 20.500°C
 Sample Receipt pH _____
 OK / Adjusted _____
 Cooler Custody Seal Present / Not Present Intact / Not Intact

(Please Print Clearly)

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of



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CHAIN OF CUSTODY

Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILED?
(YES/NO)
PRESERVATION
(CODE)

Company Name: _____
 Branch/Location: _____
 Project Contact: _____
 Phone: _____
 Project Number: 0
 Project Name: DOT 035-US6ET-SS
 Project State: Illinois
 Sampled By (Print): Margaret O'Hara Skubic
 Sampled By (Sign): *M. O'Hara Skubic*
 PO #: _____
 Regulatory Program: _____

Data Package Options
 EPA Level III
 EPA Level IV
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air B = Biota
 C = Charcoal D = Drinking Water
 E = Oil F = Ground Water
 G = Soil H = Surface Water
 I = Sludge J = Waste Water
 K = Wipe L = Wipe

PAGE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
023	VL2-1(0-5)-101215	10-12-15	1410	S
024	NL2-1(5-9)-101215	10-12-15	1420	S
025	AL2-3(0-5)-101215	10-12-15	1440	S
026	AL2-13(0-5)-101215	10-12-15	1440	S
027	AL2-13(5-9)-101215	10-12-15	1455	S
028	AL2-14(0-5)-101215	10-12-15	1510	S
029	AL2-14(5-9)-101215	10-12-15	1520	S
030	AL2-15(0-5)-101215	10-12-15	1525	S
031	AL2-15(5-9)-101215	10-12-15	1530	S

Y/N	Pick Letter	Analyses Requested					
		VOCs	SVOCs	TOTAL Metals	TOCP Metals	SPLP Metals	pH
N	PF	X	X	X	X	X	X
N	A	X	X	X	X	X	X
N	A	X	X	X	X	X	X
N	A	X	X	X	X	X	X
N	A	X	X	X	X	X	X
N	A	X	X	X	X	X	X

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed: _____

Relinquished By: *[Signature]* Date/Time: 10-2-15 1525
 Relinquished By: *[Signature]* Date/Time: 10/12/15 1700
 Relinquished By: *[Signature]* Date/Time: 10/13/15 0940

Received By: *[Signature]* Date/Time: 10/12/15 1525
 Received By: *[Signature]* Date/Time: 10/12/15
 Received By: *[Signature]* Date/Time: 10/13/15 0940

Quote #: _____
 Mail To Contact: _____
 Mail To Company: _____
 Mail To Address: _____
 Invoice To Contact: _____
 Invoice To Company: _____
 Invoice To Address: _____
 Invoice To Phone: _____
 CLIENT COMMENTS: _____
 LAB COMMENTS (Lab Use Only): 3-40ml, EF 3-40ml, NWS, LAST ITEM



Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Project #

WO#: 40122748

Client Name: EDI

Courier: Fed Ex UPS Client Pace Other: CS LOGISTICS
Tracking #:



Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR104 Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature: Uncorr: 2.0, 0.0 Corr: 2.0, 0.0 Biological Tissue is Frozen: yes

Temp Blank Present: yes no

Person examining contents:
Date: 10/13/15
Initials: DL

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows of checklist items and checkboxes. Includes items like 'Chain of Custody Present', 'Short Hold Time Analysis', 'Rush Turn Around Time Requested', 'Sample Labels match COC', etc.

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: Date/Time:
Comments/ Resolution:

Project Manager Review:

Signature

Date: 10/13/15

November 05, 2015

Patricia Feeley, P.G.
Environmental Design International Inc.
33 West Monroe Street
Suite 1825
Chicago, IL 606035326

RE: Project: 0295.020 FAI 55
Pace Project No.: 40122890

Dear Patricia Feeley, P.G.:

Enclosed are the analytical results for sample(s) received by the laboratory on October 15, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Brian Basten for
Laurie Woelfel
laurie.woelfel@pacelabs.com
Project Manager

Enclosures

cc: Andrew Dorn, Environmental Design
Colin Pannier, Environmental Design



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0295.020 FAI 55
Pace Project No.: 40122890

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

New Orleans Certification IDs

California Env. Lab Accreditation Program Branch:
11277CA
Florida Department of Health (NELAC): E87595
Illinois Environmental Protection Agency: 0025721
Kansas Department of Health and Environment (NELAC):
E-10266
Louisiana Dept. of Environmental Quality (NELAC/LELAP):
02006

Pennsylvania Dept. of Env Protection (NELAC): 68-04202
Texas Commission on Env. Quality (NELAC):
T104704405-09-TX
U.S. Dept. of Agriculture Foreign Soil Import: P330-10-
00119

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263

North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP ID: 460263
Virginia VELAP Certification ID: 460263
Wisconsin Certification #: 405132750

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #E-10177
Kentucky UST Certification #: 0042
Kentucky WW Certification #:98019
Louisiana Certification #: 04076

Ohio VAP Certification #: CL-0065
Oklahoma Certification #: 2014-148
Texas Certification #: T104704355-15-9
West Virginia Certification #: 330
Wisconsin Certification #: 999788130
USDA Soil Permit #: P330-10-00128

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
WY STR Certification #: 2456.01
Arkansas Certification #: 15-016-0

Illinois Certification #: 003097
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-12 (5-9)-101415 Lab ID: 40122890001 Collected: 10/14/15 11:30 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.11	mg/kg	3.3	0.11	1	10/20/15 08:25	10/22/15 01:26	7440-36-0	M1
Arsenic	5.3	mg/kg	1.1	0.30	1	10/20/15 08:25	10/22/15 01:26	7440-38-2	
Barium	82.5	mg/kg	21.7	0.28	1	10/20/15 08:25	10/22/15 01:26	7440-39-3	
Beryllium	0.26J	mg/kg	0.54	0.086	1	10/20/15 08:25	10/22/15 01:26	7440-41-7	
Cadmium	0.24J	mg/kg	0.54	0.069	1	10/20/15 08:25	10/22/15 01:26	7440-43-9	
Calcium	11700	mg/kg	108	2.9	1	10/20/15 08:25	10/22/15 01:26	7440-70-2	M1,R1
Chromium	14.4	mg/kg	1.1	0.33	1	10/20/15 08:25	10/22/15 01:26	7440-47-3	
Cobalt	7.3	mg/kg	1.1	0.14	1	10/20/15 08:25	10/22/15 01:26	7440-48-4	
Copper	16.5	mg/kg	1.1	0.40	1	10/20/15 08:25	10/22/15 01:26	7440-50-8	
Iron	13900	mg/kg	5.4	0.84	1	10/20/15 08:25	10/22/15 01:26	7439-89-6	M1
Lead	14.2	mg/kg	0.54	0.30	1	10/20/15 08:25	10/22/15 01:26	7439-92-1	
Magnesium	6120	mg/kg	108	3.1	1	10/20/15 08:25	10/22/15 01:26	7439-95-4	M1,R1
Manganese	603	mg/kg	1.1	0.20	1	10/20/15 08:25	10/22/15 01:26	7439-96-5	M1
Nickel	11.6	mg/kg	4.3	1.2	1	10/20/15 08:25	10/22/15 01:26	7440-02-0	
Potassium	858	mg/kg	108	3.4	1	10/20/15 08:25	10/22/15 01:26	7440-09-7	M1
Selenium	0.33J	mg/kg	2.2	0.22	1	10/20/15 08:25	10/22/15 01:26	7782-49-2	
Silver	<0.077	mg/kg	1.1	0.077	1	10/20/15 08:25	10/22/15 01:26	7440-22-4	
Sodium	639	mg/kg	108	18.2	1	10/20/15 08:25	10/22/15 01:26	7440-23-5	
Thallium	<0.16	mg/kg	0.54	0.16	1	10/20/15 08:25	10/22/15 01:26	7440-28-0	M1
Vanadium	21.6	mg/kg	5.4	0.34	1	10/20/15 08:25	10/22/15 01:26	7440-62-2	
Zinc	43.8	mg/kg	2.2	0.50	1	10/20/15 08:25	10/22/15 01:26	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/16/15 05:06

Arsenic	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:22	7440-38-2	
Barium	0.59	mg/L	0.50	0.25	1	10/19/15 16:46	10/22/15 16:22	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:22	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/19/15 16:46	10/22/15 16:22	7440-43-9	
Chromium	0.026J	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:22	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:22	7440-48-4	
Copper	0.027J	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:22	7440-50-8	
Iron	21.4	mg/L	0.50	0.25	1	10/19/15 16:46	10/22/15 16:22	7439-89-6	
Lead	0.019	mg/L	0.0075	0.0038	1	10/19/15 16:46	10/22/15 16:22	7439-92-1	
Manganese	0.34	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:22	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:22	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:22	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:22	7440-22-4	
Zinc	0.39	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:22	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/16/15 04:58

Arsenic	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:30	7440-38-2	
Barium	0.44J	mg/L	0.50	0.25	1	10/19/15 15:36	10/22/15 15:30	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:30	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/19/15 15:36	10/22/15 15:30	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-12 (5-9)-101415 Lab ID: 40122890001 Collected: 10/14/15 11:30 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/16/15 04:58									
Chromium	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:30	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:30	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:30	7440-50-8	
Iron	<0.25	mg/L	0.50	0.25	1	10/19/15 15:36	10/22/15 15:30	7439-89-6	
Lead	<0.0030	mg/L	0.0075	0.0030	1	10/19/15 15:36	10/22/15 15:30	7439-92-1	
Manganese	1.8	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:30	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:30	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:30	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:30	7440-22-4	
Zinc	0.029J	mg/L	0.050	0.025	1	10/19/15 15:36	10/22/15 15:30	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/16/15 05:06									
Mercury	0.34	ug/L	0.20	0.10	1	10/19/15 13:35	10/20/15 10:42	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/16/15 04:59									
Mercury	<0.10	ug/L	0.20	0.10	1	10/19/15 13:35	10/20/15 11:21	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.041	mg/kg	0.019	0.0097	1	10/20/15 08:59	10/21/15 13:53	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<70.6	ug/kg	235	70.6	1	10/16/15 13:41	10/20/15 13:46	83-32-9	
Acenaphthylene	<71.0	ug/kg	237	71.0	1	10/16/15 13:41	10/20/15 13:46	208-96-8	
Anthracene	<31.8	ug/kg	106	31.8	1	10/16/15 13:41	10/20/15 13:46	120-12-7	
Benzo(a)anthracene	<30.8	ug/kg	103	30.8	1	10/16/15 13:41	10/20/15 13:46	56-55-3	
Benzo(a)pyrene	<29.9	ug/kg	99.8	29.9	1	10/16/15 13:41	10/20/15 13:46	50-32-8	
Benzo(b)fluoranthene	36.2J	ug/kg	114	34.2	1	10/16/15 13:41	10/20/15 13:46	205-99-2	
Benzo(g,h,i)perylene	55.0J	ug/kg	174	52.1	1	10/16/15 13:41	10/20/15 13:46	191-24-2	
Benzo(k)fluoranthene	<47.6	ug/kg	159	47.6	1	10/16/15 13:41	10/20/15 13:46	207-08-9	
4-Bromophenylphenyl ether	<41.7	ug/kg	139	41.7	1	10/16/15 13:41	10/20/15 13:46	101-55-3	
Butylbenzylphthalate	<31.9	ug/kg	106	31.9	1	10/16/15 13:41	10/20/15 13:46	85-68-7	
Carbazole	<31.2	ug/kg	104	31.2	1	10/16/15 13:41	10/20/15 13:46	86-74-8	
4-Chloro-3-methylphenol	<61.9	ug/kg	206	61.9	1	10/16/15 13:41	10/20/15 13:46	59-50-7	
4-Chloroaniline	<32.7	ug/kg	109	32.7	1	10/16/15 13:41	10/20/15 13:46	106-47-8	
bis(2-Chloroethoxy)methane	<53.6	ug/kg	179	53.6	1	10/16/15 13:41	10/20/15 13:46	111-91-1	
bis(2-Chloroethyl) ether	<62.1	ug/kg	207	62.1	1	10/16/15 13:41	10/20/15 13:46	111-44-4	
2-Chloronaphthalene	<25.5	ug/kg	85.2	25.5	1	10/16/15 13:41	10/20/15 13:46	91-58-7	
2-Chlorophenol	<49.7	ug/kg	166	49.7	1	10/16/15 13:41	10/20/15 13:46	95-57-8	
4-Chlorophenylphenyl ether	<37.1	ug/kg	124	37.1	1	10/16/15 13:41	10/20/15 13:46	7005-72-3	
Chrysene	<29.8	ug/kg	99.2	29.8	1	10/16/15 13:41	10/20/15 13:46	218-01-9	
Dibenz(a,h)anthracene	<54.1	ug/kg	180	54.1	1	10/16/15 13:41	10/20/15 13:46	53-70-3	
Dibenzofuran	<24.1	ug/kg	80.3	24.1	1	10/16/15 13:41	10/20/15 13:46	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-12 (5-9)-101415 Lab ID: 40122890001 Collected: 10/14/15 11:30 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<62.6	ug/kg	209	62.6	1	10/16/15 13:41	10/20/15 13:46	95-50-1	
1,3-Dichlorobenzene	<27.6	ug/kg	91.9	27.6	1	10/16/15 13:41	10/20/15 13:46	541-73-1	
1,4-Dichlorobenzene	<27.7	ug/kg	92.4	27.7	1	10/16/15 13:41	10/20/15 13:46	106-46-7	
3,3'-Dichlorobenzidine	<54.0	ug/kg	180	54.0	1	10/16/15 13:41	10/20/15 13:46	91-94-1	
2,4-Dichlorophenol	<53.2	ug/kg	177	53.2	1	10/16/15 13:41	10/20/15 13:46	120-83-2	
Diethylphthalate	<33.0	ug/kg	110	33.0	1	10/16/15 13:41	10/20/15 13:46	84-66-2	
2,4-Dimethylphenol	<39.4	ug/kg	131	39.4	1	10/16/15 13:41	10/20/15 13:46	105-67-9	
Dimethylphthalate	<25.9	ug/kg	86.3	25.9	1	10/16/15 13:41	10/20/15 13:46	131-11-3	
Di-n-butylphthalate	<29.7	ug/kg	99.1	29.7	1	10/16/15 13:41	10/20/15 13:46	84-74-2	
4,6-Dinitro-2-methylphenol	<61.3	ug/kg	204	61.3	1	10/16/15 13:41	10/20/15 13:46	534-52-1	
2,4-Dinitrophenol	<60.6	ug/kg	202	60.6	1	10/16/15 13:41	10/20/15 13:46	51-28-5	
2,4-Dinitrotoluene	<28.5	ug/kg	94.9	28.5	1	10/16/15 13:41	10/20/15 13:46	121-14-2	
2,6-Dinitrotoluene	<37.8	ug/kg	126	37.8	1	10/16/15 13:41	10/20/15 13:46	606-20-2	
Di-n-octylphthalate	<44.7	ug/kg	149	44.7	1	10/16/15 13:41	10/20/15 13:46	117-84-0	
bis(2-Ethylhexyl)phthalate	<33.1	ug/kg	110	33.1	1	10/16/15 13:41	10/20/15 13:46	117-81-7	
Fluoranthene	<28.2	ug/kg	93.9	28.2	1	10/16/15 13:41	10/20/15 13:46	206-44-0	
Fluorene	<23.3	ug/kg	77.5	23.3	1	10/16/15 13:41	10/20/15 13:46	86-73-7	
Hexachloro-1,3-butadiene	<50.7	ug/kg	169	50.7	1	10/16/15 13:41	10/20/15 13:46	87-68-3	
Hexachlorobenzene	<33.5	ug/kg	112	33.5	1	10/16/15 13:41	10/20/15 13:46	118-74-1	
Hexachlorocyclopentadiene	<47.1	ug/kg	157	47.1	1	10/16/15 13:41	10/20/15 13:46	77-47-4	
Hexachloroethane	<31.8	ug/kg	106	31.8	1	10/16/15 13:41	10/20/15 13:46	67-72-1	
Indeno(1,2,3-cd)pyrene	59.3J	ug/kg	144	43.1	1	10/16/15 13:41	10/20/15 13:46	193-39-5	
Isophorone	<30.6	ug/kg	102	30.6	1	10/16/15 13:41	10/20/15 13:46	78-59-1	
2-Methylnaphthalene	<51.7	ug/kg	172	51.7	1	10/16/15 13:41	10/20/15 13:46	91-57-6	
2-Methylphenol(o-Cresol)	<36.2	ug/kg	121	36.2	1	10/16/15 13:41	10/20/15 13:46	95-48-7	
3&4-Methylphenol(m&p Cresol)	<36.5	ug/kg	122	36.5	1	10/16/15 13:41	10/20/15 13:46		
Naphthalene	<69.6	ug/kg	232	69.6	1	10/16/15 13:41	10/20/15 13:46	91-20-3	
2-Nitroaniline	<56.7	ug/kg	189	56.7	1	10/16/15 13:41	10/20/15 13:46	88-74-4	
3-Nitroaniline	<33.8	ug/kg	113	33.8	1	10/16/15 13:41	10/20/15 13:46	99-09-2	
4-Nitroaniline	<82.6	ug/kg	275	82.6	1	10/16/15 13:41	10/20/15 13:46	100-01-6	
Nitrobenzene	<40.4	ug/kg	135	40.4	1	10/16/15 13:41	10/20/15 13:46	98-95-3	
2-Nitrophenol	<62.8	ug/kg	209	62.8	1	10/16/15 13:41	10/20/15 13:46	88-75-5	
4-Nitrophenol	<50.1	ug/kg	167	50.1	1	10/16/15 13:41	10/20/15 13:46	100-02-7	
N-Nitroso-di-n-propylamine	<31.6	ug/kg	105	31.6	1	10/16/15 13:41	10/20/15 13:46	621-64-7	
N-Nitrosodiphenylamine	<270	ug/kg	900	270	1	10/16/15 13:41	10/20/15 13:46	86-30-6	
2,2'-Oxybis(1-chloropropane)	<51.3	ug/kg	171	51.3	1	10/16/15 13:41	10/20/15 13:46	108-60-1	
Pentachlorophenol	<43.8	ug/kg	146	43.8	1	10/16/15 13:41	10/20/15 13:46	87-86-5	
Phenanthrene	<25.5	ug/kg	85.1	25.5	1	10/16/15 13:41	10/20/15 13:46	85-01-8	
Phenol	<47.2	ug/kg	157	47.2	1	10/16/15 13:41	10/20/15 13:46	108-95-2	
Pyrene	51.2J	ug/kg	147	44.1	1	10/16/15 13:41	10/20/15 13:46	129-00-0	
1,2,4-Trichlorobenzene	<22.5	ug/kg	75.0	22.5	1	10/16/15 13:41	10/20/15 13:46	120-82-1	
2,4,5-Trichlorophenol	<35.2	ug/kg	117	35.2	1	10/16/15 13:41	10/20/15 13:46	95-95-4	
2,4,6-Trichlorophenol	<30.3	ug/kg	101	30.3	1	10/16/15 13:41	10/20/15 13:46	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	63	%	45-130		1	10/16/15 13:41	10/20/15 13:46	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-12 (5-9)-101415 Lab ID: 40122890001 Collected: 10/14/15 11:30 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	60	%	51-130		1	10/16/15 13:41	10/20/15 13:46	321-60-8	
Terphenyl-d14 (S)	123	%	37-134		1	10/16/15 13:41	10/20/15 13:46	1718-51-0	
Phenol-d6 (S)	75	%	36-130		1	10/16/15 13:41	10/20/15 13:46	13127-88-3	
2-Fluorophenol (S)	67	%	37-130		1	10/16/15 13:41	10/20/15 13:46	367-12-4	
2,4,6-Tribromophenol (S)	77	%	30-130		1	10/16/15 13:41	10/20/15 13:46	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.3	ug/kg	13.9	4.3	1	10/16/15 12:00	10/16/15 19:37	67-64-1	2q
Benzene	<1.1	ug/kg	3.5	1.1	1	10/16/15 12:00	10/16/15 19:37	71-43-2	
Bromodichloromethane	<0.76	ug/kg	3.5	0.76	1	10/16/15 12:00	10/16/15 19:37	75-27-4	
Bromoform	<0.59	ug/kg	3.5	0.59	1	10/16/15 12:00	10/16/15 19:37	75-25-2	
Bromomethane	<1.0	ug/kg	6.9	1.0	1	10/16/15 12:00	10/16/15 19:37	74-83-9	
2-Butanone (MEK)	<2.0	ug/kg	13.9	2.0	1	10/16/15 12:00	10/16/15 19:37	78-93-3	
Carbon disulfide	<0.90	ug/kg	3.5	0.90	1	10/16/15 12:00	10/16/15 19:37	75-15-0	
Carbon tetrachloride	<1.1	ug/kg	3.5	1.1	1	10/16/15 12:00	10/16/15 19:37	56-23-5	
Chlorobenzene	<1.1	ug/kg	3.5	1.1	1	10/16/15 12:00	10/16/15 19:37	108-90-7	
Chloroethane	<1.4	ug/kg	3.5	1.4	1	10/16/15 12:00	10/16/15 19:37	75-00-3	
Chloroform	<0.66	ug/kg	3.5	0.66	1	10/16/15 12:00	10/16/15 19:37	67-66-3	
Chloromethane	<0.39	ug/kg	3.5	0.39	1	10/16/15 12:00	10/16/15 19:37	74-87-3	
Dibromochloromethane	<1.2	ug/kg	3.5	1.2	1	10/16/15 12:00	10/16/15 19:37	124-48-1	
1,1-Dichloroethane	<1.6	ug/kg	3.5	1.6	1	10/16/15 12:00	10/16/15 19:37	75-34-3	
1,2-Dichloroethane	<0.68	ug/kg	3.5	0.68	1	10/16/15 12:00	10/16/15 19:37	107-06-2	
1,1-Dichloroethene	<1.6	ug/kg	3.5	1.6	1	10/16/15 12:00	10/16/15 19:37	75-35-4	
cis-1,2-Dichloroethene	<0.92	ug/kg	3.5	0.92	1	10/16/15 12:00	10/16/15 19:37	156-59-2	
trans-1,2-Dichloroethene	<0.86	ug/kg	3.5	0.86	1	10/16/15 12:00	10/16/15 19:37	156-60-5	
1,2-Dichloropropane	<0.87	ug/kg	3.5	0.87	1	10/16/15 12:00	10/16/15 19:37	78-87-5	
cis-1,3-Dichloropropene	<0.46	ug/kg	3.5	0.46	1	10/16/15 12:00	10/16/15 19:37	10061-01-5	
trans-1,3-Dichloropropene	<0.64	ug/kg	3.5	0.64	1	10/16/15 12:00	10/16/15 19:37	10061-02-6	
Ethylbenzene	<1.0	ug/kg	3.5	1.0	1	10/16/15 12:00	10/16/15 19:37	100-41-4	
2-Hexanone	<1.0	ug/kg	3.5	1.0	1	10/16/15 12:00	10/16/15 19:37	591-78-6	
Methylene Chloride	<1.3	ug/kg	3.5	1.3	1	10/16/15 12:00	10/16/15 19:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.85	ug/kg	3.5	0.85	1	10/16/15 12:00	10/16/15 19:37	108-10-1	
Methyl-tert-butyl ether	<0.70	ug/kg	3.5	0.70	1	10/16/15 12:00	10/16/15 19:37	1634-04-4	
Styrene	<0.53	ug/kg	3.5	0.53	1	10/16/15 12:00	10/16/15 19:37	100-42-5	
1,1,2,2-Tetrachloroethane	<1.4	ug/kg	3.5	1.4	1	10/16/15 12:00	10/16/15 19:37	79-34-5	
Tetrachloroethene	<1.1	ug/kg	3.5	1.1	1	10/16/15 12:00	10/16/15 19:37	127-18-4	
Toluene	<1.0	ug/kg	3.5	1.0	1	10/16/15 12:00	10/16/15 19:37	108-88-3	
1,1,1-Trichloroethane	<1.1	ug/kg	3.5	1.1	1	10/16/15 12:00	10/16/15 19:37	71-55-6	
1,1,2-Trichloroethane	<1.3	ug/kg	3.5	1.3	1	10/16/15 12:00	10/16/15 19:37	79-00-5	
Trichloroethene	<1.3	ug/kg	3.5	1.3	1	10/16/15 12:00	10/16/15 19:37	79-01-6	
Vinyl chloride	<0.38	ug/kg	3.5	0.38	1	10/16/15 12:00	10/16/15 19:37	75-01-4	
Xylene (Total)	<3.1	ug/kg	10.4	3.1	1	10/16/15 12:00	10/16/15 19:37	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	108	%	70-130		1	10/16/15 12:00	10/16/15 19:37	1868-53-7	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-12 (5-9)-101415 **Lab ID: 40122890001** Collected: 10/14/15 11:30 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	100	%	67-138		1	10/16/15 12:00	10/16/15 19:37	2037-26-5	
4-Bromofluorobenzene (S)	94	%	68-130		1	10/16/15 12:00	10/16/15 19:37	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	16.1	%	0.10	0.10	1		10/15/15 14:32		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	8.17	Std. Units	0.100	0.0100	1		10/16/15 17:00		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-10 (0-5)-101415 Lab ID: 40122890004 Collected: 10/14/15 12:20 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Red. Interference Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.28	mg/kg	0.89	0.28	1	10/19/15 16:30	10/20/15 18:03	7440-36-0	
Arsenic	9.5	mg/kg	0.89	0.35	1	10/19/15 16:30	10/20/15 18:03	7440-38-2	
Barium	63.3	mg/kg	0.89	0.051	1	10/19/15 16:30	10/21/15 14:41	7440-39-3	
Beryllium	0.72	mg/kg	0.089	0.010	1	10/19/15 16:30	10/20/15 18:03	7440-41-7	
Cadmium	0.063J	mg/kg	0.45	0.021	1	10/19/15 16:30	10/20/15 18:03	7440-43-9	B
Calcium	14000	mg/kg	8.9	0.97	1	10/19/15 16:30	10/20/15 18:03	7440-70-2	
Chromium	18.0	mg/kg	0.45	0.056	1	10/19/15 16:30	10/20/15 18:03	7440-47-3	
Cobalt	8.7	mg/kg	0.45	0.041	1	10/19/15 16:30	10/20/15 18:03	7440-48-4	
Copper	24.3	mg/kg	0.89	0.20	1	10/19/15 16:30	10/21/15 14:41	7440-50-8	
Iron	19600	mg/kg	4.5	0.40	1	10/19/15 16:30	10/20/15 18:03	7439-89-6	
Lead	17.7	mg/kg	0.89	0.18	1	10/19/15 16:30	10/20/15 18:03	7439-92-1	
Magnesium	10600	mg/kg	4.5	0.78	1	10/19/15 16:30	10/20/15 18:03	7439-95-4	
Manganese	545	mg/kg	0.45	0.060	1	10/19/15 16:30	10/20/15 18:03	7439-96-5	
Nickel	22.2	mg/kg	0.45	0.076	1	10/19/15 16:30	10/20/15 18:03	7440-02-0	
Potassium	2140	mg/kg	44.6	4.5	1	10/19/15 16:30	10/20/15 18:03	7440-09-7	
Selenium	<0.40	mg/kg	1.3	0.40	1	10/19/15 16:30	10/20/15 18:03	7782-49-2	
Silver	<0.092	mg/kg	0.62	0.092	1	10/19/15 16:30	10/20/15 18:03	7440-22-4	
Sodium	588	mg/kg	44.6	1.4	1	10/19/15 16:30	10/20/15 18:03	7440-23-5	
Thallium	<0.27	mg/kg	1.8	0.27	1	10/19/15 16:30	10/20/15 18:03	7440-28-0	
Vanadium	36.0	mg/kg	0.89	0.095	1	10/19/15 16:30	10/20/15 18:03	7440-62-2	
Zinc	40.8	mg/kg	8.9	0.50	1	10/19/15 16:30	10/20/15 18:03	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/25/15 00:00

Arsenic	0.023	mg/L	0.010	0.0045	1	10/27/15 09:45	10/27/15 17:22	7440-38-2	
Barium	0.14	mg/L	0.10	0.00052	1	10/27/15 09:45	10/27/15 17:22	7440-39-3	
Beryllium	0.0014	mg/L	0.0010	0.00017	1	10/27/15 09:45	10/27/15 17:22	7440-41-7	
Cadmium	0.0010J	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 17:22	7440-43-9	
Chromium	0.034	mg/L	0.0050	0.00096	1	10/27/15 09:45	10/27/15 17:22	7440-47-3	
Cobalt	0.011	mg/L	0.0050	0.00080	1	10/27/15 09:45	10/27/15 17:22	7440-48-4	
Copper	0.045	mg/L	0.010	0.00083	1	10/27/15 09:45	10/28/15 12:43	7440-50-8	B
Iron	35.0	mg/L	0.050	0.0090	1	10/27/15 09:45	10/28/15 12:43	7439-89-6	
Lead	0.024	mg/L	0.0050	0.0019	1	10/27/15 09:45	10/27/15 17:22	7439-92-1	
Manganese	0.52	mg/L	0.0050	0.0024	1	10/27/15 09:45	10/27/15 17:22	7439-96-5	
Nickel	0.039	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 17:22	7440-02-0	
Selenium	0.0066J	mg/L	0.015	0.0058	1	10/27/15 09:45	10/27/15 17:22	7782-49-2	
Silver	<0.0011	mg/L	0.0070	0.0011	1	10/27/15 09:45	10/27/15 17:22	7440-22-4	
Zinc	0.084	mg/L	0.050	0.0026	1	10/27/15 09:45	10/27/15 17:22	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/25/15 00:00

Arsenic	0.012J	mg/L	0.050	0.0045	1	10/27/15 09:45	10/27/15 16:28	7440-38-2	B
Barium	0.30	mg/L	0.25	0.00052	1	10/27/15 09:45	10/27/15 16:28	7440-39-3	
Beryllium	<0.00017	mg/L	0.0050	0.00017	1	10/27/15 09:45	10/27/15 16:28	7440-41-7	
Cadmium	0.0020J	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 16:28	7440-43-9	B

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-10 (0-5)-101415 Lab ID: 40122890004 Collected: 10/14/15 12:20 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/25/15 00:00									
Chromium	<0.00096	mg/L	0.010	0.00096	1	10/27/15 09:45	10/27/15 16:28	7440-47-3	
Cobalt	<0.00080	mg/L	0.010	0.00080	1	10/27/15 09:45	10/27/15 16:28	7440-48-4	
Copper	0.011J	mg/L	0.020	0.00083	1	10/27/15 09:45	10/28/15 11:45	7440-50-8	B
Iron	0.049J	mg/L	0.10	0.0090	1	10/27/15 09:45	10/27/15 16:28	7439-89-6	B
Lead	<0.0019	mg/L	0.050	0.0019	1	10/27/15 09:45	10/27/15 16:28	7439-92-1	
Manganese	0.17	mg/L	0.010	0.0024	1	10/27/15 09:45	10/27/15 16:28	7439-96-5	
Nickel	0.0085J	mg/L	0.010	0.00056	1	10/27/15 09:45	10/27/15 16:28	7440-02-0	B
Selenium	0.010J	mg/L	0.050	0.0058	1	10/27/15 09:45	10/27/15 16:28	7782-49-2	B
Silver	<0.0011	mg/L	0.010	0.0011	1	10/27/15 09:45	10/27/15 16:28	7440-22-4	
Zinc	0.030J	mg/L	0.25	0.0026	1	10/27/15 09:45	10/27/15 16:28	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/25/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/27/15 12:00	10/27/15 16:09	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/25/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/27/15 12:00	10/27/15 15:09	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.037J	mg/kg	0.039	0.0020	1	10/19/15 10:00	10/19/15 15:23	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<68.6	ug/kg	229	68.6	1	10/16/15 13:41	10/19/15 17:10	83-32-9	
Acenaphthylene	<69.0	ug/kg	230	69.0	1	10/16/15 13:41	10/19/15 17:10	208-96-8	
Anthracene	<30.9	ug/kg	103	30.9	1	10/16/15 13:41	10/19/15 17:10	120-12-7	
Benzo(a)anthracene	<29.9	ug/kg	99.8	29.9	1	10/16/15 13:41	10/19/15 17:10	56-55-3	
Benzo(a)pyrene	<29.1	ug/kg	97.0	29.1	1	10/16/15 13:41	10/19/15 17:10	50-32-8	
Benzo(b)fluoranthene	<33.2	ug/kg	111	33.2	1	10/16/15 13:41	10/19/15 17:10	205-99-2	
Benzo(g,h,i)perylene	<50.6	ug/kg	169	50.6	1	10/16/15 13:41	10/19/15 17:10	191-24-2	
Benzo(k)fluoranthene	<46.3	ug/kg	154	46.3	1	10/16/15 13:41	10/19/15 17:10	207-08-9	
4-Bromophenylphenyl ether	<40.5	ug/kg	135	40.5	1	10/16/15 13:41	10/19/15 17:10	101-55-3	
Butylbenzylphthalate	<31.0	ug/kg	103	31.0	1	10/16/15 13:41	10/19/15 17:10	85-68-7	
Carbazole	<30.3	ug/kg	101	30.3	1	10/16/15 13:41	10/19/15 17:10	86-74-8	
4-Chloro-3-methylphenol	<60.2	ug/kg	201	60.2	1	10/16/15 13:41	10/19/15 17:10	59-50-7	
4-Chloroaniline	<31.8	ug/kg	106	31.8	1	10/16/15 13:41	10/19/15 17:10	106-47-8	
bis(2-Chloroethoxy)methane	<52.1	ug/kg	174	52.1	1	10/16/15 13:41	10/19/15 17:10	111-91-1	
bis(2-Chloroethyl) ether	<60.4	ug/kg	201	60.4	1	10/16/15 13:41	10/19/15 17:10	111-44-4	
2-Chloronaphthalene	<24.8	ug/kg	82.7	24.8	1	10/16/15 13:41	10/19/15 17:10	91-58-7	
2-Chlorophenol	<48.3	ug/kg	161	48.3	1	10/16/15 13:41	10/19/15 17:10	95-57-8	
4-Chlorophenylphenyl ether	<36.0	ug/kg	120	36.0	1	10/16/15 13:41	10/19/15 17:10	7005-72-3	
Chrysene	<28.9	ug/kg	96.4	28.9	1	10/16/15 13:41	10/19/15 17:10	218-01-9	
Dibenz(a,h)anthracene	<52.5	ug/kg	175	52.5	1	10/16/15 13:41	10/19/15 17:10	53-70-3	
Dibenzofuran	<23.4	ug/kg	78.0	23.4	1	10/16/15 13:41	10/19/15 17:10	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: **AL2-10 (0-5)-101415** Lab ID: **40122890004** Collected: 10/14/15 12:20 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<60.8	ug/kg	203	60.8	1	10/16/15 13:41	10/19/15 17:10	95-50-1	
1,3-Dichlorobenzene	<26.8	ug/kg	89.2	26.8	1	10/16/15 13:41	10/19/15 17:10	541-73-1	
1,4-Dichlorobenzene	<26.9	ug/kg	89.8	26.9	1	10/16/15 13:41	10/19/15 17:10	106-46-7	
3,3'-Dichlorobenzidine	<52.5	ug/kg	175	52.5	1	10/16/15 13:41	10/19/15 17:10	91-94-1	
2,4-Dichlorophenol	<51.7	ug/kg	172	51.7	1	10/16/15 13:41	10/19/15 17:10	120-83-2	
Diethylphthalate	<32.1	ug/kg	107	32.1	1	10/16/15 13:41	10/19/15 17:10	84-66-2	
2,4-Dimethylphenol	<38.2	ug/kg	127	38.2	1	10/16/15 13:41	10/19/15 17:10	105-67-9	
Dimethylphthalate	<25.2	ug/kg	83.8	25.2	1	10/16/15 13:41	10/19/15 17:10	131-11-3	
Di-n-butylphthalate	<28.9	ug/kg	96.3	28.9	1	10/16/15 13:41	10/19/15 17:10	84-74-2	
4,6-Dinitro-2-methylphenol	<59.6	ug/kg	199	59.6	1	10/16/15 13:41	10/19/15 17:10	534-52-1	
2,4-Dinitrophenol	<58.9	ug/kg	196	58.9	1	10/16/15 13:41	10/19/15 17:10	51-28-5	
2,4-Dinitrotoluene	<27.7	ug/kg	92.2	27.7	1	10/16/15 13:41	10/19/15 17:10	121-14-2	
2,6-Dinitrotoluene	<36.7	ug/kg	122	36.7	1	10/16/15 13:41	10/19/15 17:10	606-20-2	
Di-n-octylphthalate	<43.5	ug/kg	145	43.5	1	10/16/15 13:41	10/19/15 17:10	117-84-0	
bis(2-Ethylhexyl)phthalate	<32.2	ug/kg	107	32.2	1	10/16/15 13:41	10/19/15 17:10	117-81-7	
Fluoranthene	<27.4	ug/kg	91.2	27.4	1	10/16/15 13:41	10/19/15 17:10	206-44-0	
Fluorene	<22.6	ug/kg	75.3	22.6	1	10/16/15 13:41	10/19/15 17:10	86-73-7	
Hexachloro-1,3-butadiene	<49.3	ug/kg	164	49.3	1	10/16/15 13:41	10/19/15 17:10	87-68-3	
Hexachlorobenzene	<32.5	ug/kg	108	32.5	1	10/16/15 13:41	10/19/15 17:10	118-74-1	
Hexachlorocyclopentadiene	<45.8	ug/kg	153	45.8	1	10/16/15 13:41	10/19/15 17:10	77-47-4	
Hexachloroethane	<30.9	ug/kg	103	30.9	1	10/16/15 13:41	10/19/15 17:10	67-72-1	
Indeno(1,2,3-cd)pyrene	<41.8	ug/kg	139	41.8	1	10/16/15 13:41	10/19/15 17:10	193-39-5	
Isophorone	<29.7	ug/kg	99.1	29.7	1	10/16/15 13:41	10/19/15 17:10	78-59-1	
2-Methylnaphthalene	<50.2	ug/kg	167	50.2	1	10/16/15 13:41	10/19/15 17:10	91-57-6	
2-Methylphenol(o-Cresol)	<35.1	ug/kg	117	35.1	1	10/16/15 13:41	10/19/15 17:10	95-48-7	
3&4-Methylphenol(m&p Cresol)	<35.4	ug/kg	118	35.4	1	10/16/15 13:41	10/19/15 17:10		
Naphthalene	<67.6	ug/kg	225	67.6	1	10/16/15 13:41	10/19/15 17:10	91-20-3	
2-Nitroaniline	<55.1	ug/kg	184	55.1	1	10/16/15 13:41	10/19/15 17:10	88-74-4	
3-Nitroaniline	<32.9	ug/kg	110	32.9	1	10/16/15 13:41	10/19/15 17:10	99-09-2	
4-Nitroaniline	<80.3	ug/kg	268	80.3	1	10/16/15 13:41	10/19/15 17:10	100-01-6	
Nitrobenzene	<39.2	ug/kg	131	39.2	1	10/16/15 13:41	10/19/15 17:10	98-95-3	
2-Nitrophenol	<61.0	ug/kg	203	61.0	1	10/16/15 13:41	10/19/15 17:10	88-75-5	
4-Nitrophenol	<48.7	ug/kg	162	48.7	1	10/16/15 13:41	10/19/15 17:10	100-02-7	
N-Nitroso-di-n-propylamine	<30.7	ug/kg	102	30.7	1	10/16/15 13:41	10/19/15 17:10	621-64-7	
N-Nitrosodiphenylamine	<262	ug/kg	874	262	1	10/16/15 13:41	10/19/15 17:10	86-30-6	
2,2'-Oxybis(1-chloropropane)	<49.9	ug/kg	166	49.9	1	10/16/15 13:41	10/19/15 17:10	108-60-1	
Pentachlorophenol	<42.6	ug/kg	142	42.6	1	10/16/15 13:41	10/19/15 17:10	87-86-5	
Phenanthrene	<24.8	ug/kg	82.7	24.8	1	10/16/15 13:41	10/19/15 17:10	85-01-8	
Phenol	<45.9	ug/kg	153	45.9	1	10/16/15 13:41	10/19/15 17:10	108-95-2	
Pyrene	<42.9	ug/kg	143	42.9	1	10/16/15 13:41	10/19/15 17:10	129-00-0	
1,2,4-Trichlorobenzene	<21.9	ug/kg	72.9	21.9	1	10/16/15 13:41	10/19/15 17:10	120-82-1	
2,4,5-Trichlorophenol	<34.2	ug/kg	114	34.2	1	10/16/15 13:41	10/19/15 17:10	95-95-4	
2,4,6-Trichlorophenol	<29.5	ug/kg	98.3	29.5	1	10/16/15 13:41	10/19/15 17:10	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	73	%	45-130		1	10/16/15 13:41	10/19/15 17:10	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-10 (0-5)-101415 Lab ID: 40122890004 Collected: 10/14/15 12:20 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	65	%	51-130		1	10/16/15 13:41	10/19/15 17:10	321-60-8	
Terphenyl-d14 (S)	68	%	37-134		1	10/16/15 13:41	10/19/15 17:10	1718-51-0	
Phenol-d6 (S)	61	%	36-130		1	10/16/15 13:41	10/19/15 17:10	13127-88-3	
2-Fluorophenol (S)	63	%	37-130		1	10/16/15 13:41	10/19/15 17:10	367-12-4	
2,4,6-Tribromophenol (S)	70	%	30-130		1	10/16/15 13:41	10/19/15 17:10	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<3.6	ug/kg	11.6	3.6	1	10/16/15 12:00	10/16/15 20:45	67-64-1	2q
Benzene	<0.94	ug/kg	2.9	0.94	1	10/16/15 12:00	10/16/15 20:45	71-43-2	
Bromodichloromethane	<0.64	ug/kg	2.9	0.64	1	10/16/15 12:00	10/16/15 20:45	75-27-4	
Bromoform	<0.49	ug/kg	2.9	0.49	1	10/16/15 12:00	10/16/15 20:45	75-25-2	
Bromomethane	<0.87	ug/kg	5.8	0.87	1	10/16/15 12:00	10/16/15 20:45	74-83-9	
2-Butanone (MEK)	<1.7	ug/kg	11.6	1.7	1	10/16/15 12:00	10/16/15 20:45	78-93-3	
Carbon disulfide	<0.75	ug/kg	2.9	0.75	1	10/16/15 12:00	10/16/15 20:45	75-15-0	
Carbon tetrachloride	<0.92	ug/kg	2.9	0.92	1	10/16/15 12:00	10/16/15 20:45	56-23-5	
Chlorobenzene	<0.92	ug/kg	2.9	0.92	1	10/16/15 12:00	10/16/15 20:45	108-90-7	
Chloroethane	<1.2	ug/kg	2.9	1.2	1	10/16/15 12:00	10/16/15 20:45	75-00-3	
Chloroform	<0.55	ug/kg	2.9	0.55	1	10/16/15 12:00	10/16/15 20:45	67-66-3	
Chloromethane	<0.33	ug/kg	2.9	0.33	1	10/16/15 12:00	10/16/15 20:45	74-87-3	
Dibromochloromethane	<0.99	ug/kg	2.9	0.99	1	10/16/15 12:00	10/16/15 20:45	124-48-1	
1,1-Dichloroethane	<1.4	ug/kg	2.9	1.4	1	10/16/15 12:00	10/16/15 20:45	75-34-3	
1,2-Dichloroethane	<0.57	ug/kg	2.9	0.57	1	10/16/15 12:00	10/16/15 20:45	107-06-2	
1,1-Dichloroethene	<1.3	ug/kg	2.9	1.3	1	10/16/15 12:00	10/16/15 20:45	75-35-4	
cis-1,2-Dichloroethene	<0.77	ug/kg	2.9	0.77	1	10/16/15 12:00	10/16/15 20:45	156-59-2	
trans-1,2-Dichloroethene	<0.72	ug/kg	2.9	0.72	1	10/16/15 12:00	10/16/15 20:45	156-60-5	
1,2-Dichloropropane	<0.73	ug/kg	2.9	0.73	1	10/16/15 12:00	10/16/15 20:45	78-87-5	
cis-1,3-Dichloropropene	<0.39	ug/kg	2.9	0.39	1	10/16/15 12:00	10/16/15 20:45	10061-01-5	
trans-1,3-Dichloropropene	<0.54	ug/kg	2.9	0.54	1	10/16/15 12:00	10/16/15 20:45	10061-02-6	
Ethylbenzene	<0.84	ug/kg	2.9	0.84	1	10/16/15 12:00	10/16/15 20:45	100-41-4	
2-Hexanone	<0.86	ug/kg	2.9	0.86	1	10/16/15 12:00	10/16/15 20:45	591-78-6	
Methylene Chloride	<1.1	ug/kg	2.9	1.1	1	10/16/15 12:00	10/16/15 20:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.71	ug/kg	2.9	0.71	1	10/16/15 12:00	10/16/15 20:45	108-10-1	
Methyl-tert-butyl ether	<0.58	ug/kg	2.9	0.58	1	10/16/15 12:00	10/16/15 20:45	1634-04-4	
Styrene	<0.44	ug/kg	2.9	0.44	1	10/16/15 12:00	10/16/15 20:45	100-42-5	
1,1,2,2-Tetrachloroethane	<1.2	ug/kg	2.9	1.2	1	10/16/15 12:00	10/16/15 20:45	79-34-5	
Tetrachloroethene	<0.91	ug/kg	2.9	0.91	1	10/16/15 12:00	10/16/15 20:45	127-18-4	
Toluene	<0.87	ug/kg	2.9	0.87	1	10/16/15 12:00	10/16/15 20:45	108-88-3	
1,1,1-Trichloroethane	<0.90	ug/kg	2.9	0.90	1	10/16/15 12:00	10/16/15 20:45	71-55-6	
1,1,2-Trichloroethane	<1.1	ug/kg	2.9	1.1	1	10/16/15 12:00	10/16/15 20:45	79-00-5	
Trichloroethene	<1.1	ug/kg	2.9	1.1	1	10/16/15 12:00	10/16/15 20:45	79-01-6	
Vinyl chloride	<0.32	ug/kg	2.9	0.32	1	10/16/15 12:00	10/16/15 20:45	75-01-4	
Xylene (Total)	<2.6	ug/kg	8.7	2.6	1	10/16/15 12:00	10/16/15 20:45	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	108	%	70-130		1	10/16/15 12:00	10/16/15 20:45	1868-53-7	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-10 (0-5)-101415 **Lab ID: 40122890004** Collected: 10/14/15 12:20 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	98	%	67-138		1	10/16/15 12:00	10/16/15 20:45	2037-26-5	
4-Bromofluorobenzene (S)	96	%	68-130		1	10/16/15 12:00	10/16/15 20:45	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	13.7	%	0.10	0.10	1		10/15/15 14:32		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	7.75	Std. Units	0.100	0.0100	1		10/16/15 17:00		H6

Revised 11/05/15 16:33

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-10 (5-9)-101415 Lab ID: 40122890005 Collected: 10/14/15 12:30 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Red. Interference Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.26	mg/kg	0.83	0.26	1	10/19/15 16:30	10/20/15 18:05	7440-36-0	
Arsenic	2.4	mg/kg	0.83	0.33	1	10/19/15 16:30	10/20/15 18:05	7440-38-2	
Barium	10.1	mg/kg	2.5	0.14	3	10/19/15 16:30	10/21/15 14:43	7440-39-3	
Beryllium	0.076J	mg/kg	0.083	0.0095	1	10/19/15 16:30	10/20/15 18:05	7440-41-7	B
Cadmium	0.24J	mg/kg	0.41	0.019	1	10/19/15 16:30	10/20/15 18:05	7440-43-9	B
Calcium	202000	mg/kg	24.8	2.7	3	10/19/15 16:30	10/21/15 14:43	7440-70-2	
Chromium	3.4	mg/kg	0.41	0.052	1	10/19/15 16:30	10/20/15 18:05	7440-47-3	
Cobalt	1.5	mg/kg	0.41	0.038	1	10/19/15 16:30	10/20/15 18:05	7440-48-4	
Copper	8.5	mg/kg	2.5	0.55	3	10/19/15 16:30	10/21/15 14:43	7440-50-8	
Iron	5130	mg/kg	4.1	0.37	1	10/19/15 16:30	10/20/15 18:05	7439-89-6	
Lead	1.7	mg/kg	0.83	0.17	1	10/19/15 16:30	10/20/15 18:05	7439-92-1	
Magnesium	63500	mg/kg	4.1	0.73	1	10/19/15 16:30	10/20/15 18:05	7439-95-4	
Manganese	257	mg/kg	0.41	0.056	1	10/19/15 16:30	10/20/15 18:05	7439-96-5	
Nickel	4.6	mg/kg	0.41	0.070	1	10/19/15 16:30	10/20/15 18:05	7440-02-0	
Potassium	1130	mg/kg	124	12.4	3	10/19/15 16:30	10/21/15 14:43	7440-09-7	
Selenium	<0.37	mg/kg	1.2	0.37	1	10/19/15 16:30	10/20/15 18:05	7782-49-2	
Silver	<0.086	mg/kg	0.58	0.086	1	10/19/15 16:30	10/20/15 18:05	7440-22-4	
Sodium	272	mg/kg	41.4	1.3	1	10/19/15 16:30	10/20/15 18:05	7440-23-5	
Thallium	<0.25	mg/kg	1.7	0.25	1	10/19/15 16:30	10/20/15 18:05	7440-28-0	
Vanadium	8.2	mg/kg	0.83	0.088	1	10/19/15 16:30	10/20/15 18:05	7440-62-2	
Zinc	8.7	mg/kg	8.3	0.47	1	10/19/15 16:30	10/20/15 18:05	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/25/15 00:00

Arsenic	<0.0045	mg/L	0.010	0.0045	1	10/27/15 09:45	10/27/15 17:28	7440-38-2	
Barium	0.015J	mg/L	0.10	0.00052	1	10/27/15 09:45	10/27/15 17:28	7440-39-3	
Beryllium	<0.00017	mg/L	0.0010	0.00017	1	10/27/15 09:45	10/27/15 17:28	7440-41-7	
Cadmium	0.00065J	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 17:28	7440-43-9	
Chromium	0.0024J	mg/L	0.0050	0.00096	1	10/27/15 09:45	10/27/15 17:28	7440-47-3	
Cobalt	<0.00080	mg/L	0.0050	0.00080	1	10/27/15 09:45	10/27/15 17:28	7440-48-4	
Copper	0.0098J	mg/L	0.010	0.00083	1	10/27/15 09:45	10/28/15 12:45	7440-50-8	B
Iron	1.1	mg/L	0.050	0.0090	1	10/27/15 09:45	10/28/15 12:45	7439-89-6	
Lead	<0.0019	mg/L	0.0050	0.0019	1	10/27/15 09:45	10/27/15 17:28	7439-92-1	
Manganese	0.016	mg/L	0.0050	0.0024	1	10/27/15 09:45	10/27/15 17:28	7439-96-5	
Nickel	0.0024J	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 17:28	7440-02-0	B
Selenium	<0.0058	mg/L	0.015	0.0058	1	10/27/15 09:45	10/27/15 17:28	7782-49-2	
Silver	<0.0011	mg/L	0.0070	0.0011	1	10/27/15 09:45	10/27/15 17:28	7440-22-4	
Zinc	0.0069J	mg/L	0.050	0.0026	1	10/27/15 09:45	10/27/15 17:28	7440-66-6	B

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/25/15 00:00

Arsenic	0.0083J	mg/L	0.050	0.0045	1	10/27/15 09:45	10/27/15 16:30	7440-38-2	B
Barium	0.20J	mg/L	0.25	0.00052	1	10/27/15 09:45	10/27/15 16:30	7440-39-3	
Beryllium	<0.00017	mg/L	0.0050	0.00017	1	10/27/15 09:45	10/27/15 16:30	7440-41-7	
Cadmium	0.0017J	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 16:30	7440-43-9	B

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-10 (5-9)-101415 Lab ID: 40122890005 Collected: 10/14/15 12:30 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/25/15 00:00									
Chromium	0.0016J	mg/L	0.010	0.00096	1	10/27/15 09:45	10/27/15 16:30	7440-47-3	B
Cobalt	0.0045J	mg/L	0.010	0.00080	1	10/27/15 09:45	10/27/15 16:30	7440-48-4	
Copper	0.011J	mg/L	0.020	0.00083	1	10/27/15 09:45	10/28/15 11:48	7440-50-8	B
Iron	0.011J	mg/L	0.10	0.0090	1	10/27/15 09:45	10/27/15 16:30	7439-89-6	B
Lead	<0.0019	mg/L	0.050	0.0019	1	10/27/15 09:45	10/27/15 16:30	7439-92-1	
Manganese	1.2	mg/L	0.010	0.0024	1	10/27/15 09:45	10/27/15 16:30	7439-96-5	
Nickel	0.017	mg/L	0.010	0.00056	1	10/27/15 09:45	10/27/15 16:30	7440-02-0	B
Selenium	0.0096J	mg/L	0.050	0.0058	1	10/27/15 09:45	10/27/15 16:30	7782-49-2	B
Silver	<0.0011	mg/L	0.010	0.0011	1	10/27/15 09:45	10/27/15 16:30	7440-22-4	
Zinc	0.019J	mg/L	0.25	0.0026	1	10/27/15 09:45	10/27/15 16:30	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/25/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/27/15 12:00	10/27/15 16:11	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/25/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/27/15 12:00	10/27/15 15:15	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.0032J	mg/kg	0.035	0.0018	1	10/19/15 10:00	10/19/15 15:25	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<63.6	ug/kg	212	63.6	1	10/16/15 13:41	10/19/15 16:49	83-32-9	
Acenaphthylene	<64.0	ug/kg	213	64.0	1	10/16/15 13:41	10/19/15 16:49	208-96-8	
Anthracene	<28.7	ug/kg	95.6	28.7	1	10/16/15 13:41	10/19/15 16:49	120-12-7	
Benzo(a)anthracene	<27.8	ug/kg	92.7	27.8	1	10/16/15 13:41	10/19/15 16:49	56-55-3	
Benzo(a)pyrene	<27.0	ug/kg	90.0	27.0	1	10/16/15 13:41	10/19/15 16:49	50-32-8	
Benzo(b)fluoranthene	<30.8	ug/kg	103	30.8	1	10/16/15 13:41	10/19/15 16:49	205-99-2	
Benzo(g,h,i)perylene	<47.0	ug/kg	157	47.0	1	10/16/15 13:41	10/19/15 16:49	191-24-2	
Benzo(k)fluoranthene	<43.0	ug/kg	143	43.0	1	10/16/15 13:41	10/19/15 16:49	207-08-9	
4-Bromophenylphenyl ether	<37.6	ug/kg	125	37.6	1	10/16/15 13:41	10/19/15 16:49	101-55-3	
Butylbenzylphthalate	<28.8	ug/kg	95.9	28.8	1	10/16/15 13:41	10/19/15 16:49	85-68-7	
Carbazole	<28.1	ug/kg	93.7	28.1	1	10/16/15 13:41	10/19/15 16:49	86-74-8	
4-Chloro-3-methylphenol	<55.8	ug/kg	186	55.8	1	10/16/15 13:41	10/19/15 16:49	59-50-7	
4-Chloroaniline	<29.5	ug/kg	98.3	29.5	1	10/16/15 13:41	10/19/15 16:49	106-47-8	
bis(2-Chloroethoxy)methane	<48.3	ug/kg	161	48.3	1	10/16/15 13:41	10/19/15 16:49	111-91-1	
bis(2-Chloroethyl) ether	<56.0	ug/kg	187	56.0	1	10/16/15 13:41	10/19/15 16:49	111-44-4	
2-Chloronaphthalene	<23.0	ug/kg	76.8	23.0	1	10/16/15 13:41	10/19/15 16:49	91-58-7	
2-Chlorophenol	<44.8	ug/kg	149	44.8	1	10/16/15 13:41	10/19/15 16:49	95-57-8	
4-Chlorophenylphenyl ether	<33.4	ug/kg	111	33.4	1	10/16/15 13:41	10/19/15 16:49	7005-72-3	
Chrysene	<26.8	ug/kg	89.5	26.8	1	10/16/15 13:41	10/19/15 16:49	218-01-9	
Dibenz(a,h)anthracene	<48.8	ug/kg	162	48.8	1	10/16/15 13:41	10/19/15 16:49	53-70-3	
Dibenzofuran	<21.7	ug/kg	72.4	21.7	1	10/16/15 13:41	10/19/15 16:49	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-10 (5-9)-101415 Lab ID: 40122890005 Collected: 10/14/15 12:30 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<56.4	ug/kg	188	56.4	1	10/16/15 13:41	10/19/15 16:49	95-50-1	
1,3-Dichlorobenzene	<24.9	ug/kg	82.8	24.9	1	10/16/15 13:41	10/19/15 16:49	541-73-1	
1,4-Dichlorobenzene	<25.0	ug/kg	83.3	25.0	1	10/16/15 13:41	10/19/15 16:49	106-46-7	
3,3'-Dichlorobenzidine	<48.7	ug/kg	162	48.7	1	10/16/15 13:41	10/19/15 16:49	91-94-1	
2,4-Dichlorophenol	<48.0	ug/kg	160	48.0	1	10/16/15 13:41	10/19/15 16:49	120-83-2	
Diethylphthalate	<29.8	ug/kg	99.2	29.8	1	10/16/15 13:41	10/19/15 16:49	84-66-2	
2,4-Dimethylphenol	<35.5	ug/kg	118	35.5	1	10/16/15 13:41	10/19/15 16:49	105-67-9	
Dimethylphthalate	<23.3	ug/kg	77.8	23.3	1	10/16/15 13:41	10/19/15 16:49	131-11-3	
Di-n-butylphthalate	<26.8	ug/kg	89.4	26.8	1	10/16/15 13:41	10/19/15 16:49	84-74-2	
4,6-Dinitro-2-methylphenol	<55.3	ug/kg	184	55.3	1	10/16/15 13:41	10/19/15 16:49	534-52-1	
2,4-Dinitrophenol	<54.7	ug/kg	182	54.7	1	10/16/15 13:41	10/19/15 16:49	51-28-5	
2,4-Dinitrotoluene	<25.7	ug/kg	85.6	25.7	1	10/16/15 13:41	10/19/15 16:49	121-14-2	
2,6-Dinitrotoluene	<34.1	ug/kg	114	34.1	1	10/16/15 13:41	10/19/15 16:49	606-20-2	
Di-n-octylphthalate	<40.4	ug/kg	135	40.4	1	10/16/15 13:41	10/19/15 16:49	117-84-0	
bis(2-Ethylhexyl)phthalate	<29.8	ug/kg	99.5	29.8	1	10/16/15 13:41	10/19/15 16:49	117-81-7	
Fluoranthene	<25.4	ug/kg	84.7	25.4	1	10/16/15 13:41	10/19/15 16:49	206-44-0	
Fluorene	<21.0	ug/kg	69.9	21.0	1	10/16/15 13:41	10/19/15 16:49	86-73-7	
Hexachloro-1,3-butadiene	<45.7	ug/kg	152	45.7	1	10/16/15 13:41	10/19/15 16:49	87-68-3	
Hexachlorobenzene	<30.2	ug/kg	101	30.2	1	10/16/15 13:41	10/19/15 16:49	118-74-1	
Hexachlorocyclopentadiene	<42.5	ug/kg	142	42.5	1	10/16/15 13:41	10/19/15 16:49	77-47-4	
Hexachloroethane	<28.7	ug/kg	95.7	28.7	1	10/16/15 13:41	10/19/15 16:49	67-72-1	
Indeno(1,2,3-cd)pyrene	<38.8	ug/kg	129	38.8	1	10/16/15 13:41	10/19/15 16:49	193-39-5	
Isophorone	<27.6	ug/kg	92.0	27.6	1	10/16/15 13:41	10/19/15 16:49	78-59-1	
2-Methylnaphthalene	<46.6	ug/kg	155	46.6	1	10/16/15 13:41	10/19/15 16:49	91-57-6	
2-Methylphenol(o-Cresol)	<32.6	ug/kg	109	32.6	1	10/16/15 13:41	10/19/15 16:49	95-48-7	
3&4-Methylphenol(m&p Cresol)	<32.9	ug/kg	110	32.9	1	10/16/15 13:41	10/19/15 16:49		
Naphthalene	<62.8	ug/kg	209	62.8	1	10/16/15 13:41	10/19/15 16:49	91-20-3	
2-Nitroaniline	<51.1	ug/kg	170	51.1	1	10/16/15 13:41	10/19/15 16:49	88-74-4	
3-Nitroaniline	<30.5	ug/kg	102	30.5	1	10/16/15 13:41	10/19/15 16:49	99-09-2	
4-Nitroaniline	<74.5	ug/kg	248	74.5	1	10/16/15 13:41	10/19/15 16:49	100-01-6	
Nitrobenzene	<36.4	ug/kg	121	36.4	1	10/16/15 13:41	10/19/15 16:49	98-95-3	
2-Nitrophenol	<56.6	ug/kg	189	56.6	1	10/16/15 13:41	10/19/15 16:49	88-75-5	
4-Nitrophenol	<45.2	ug/kg	151	45.2	1	10/16/15 13:41	10/19/15 16:49	100-02-7	
N-Nitroso-di-n-propylamine	<28.5	ug/kg	94.9	28.5	1	10/16/15 13:41	10/19/15 16:49	621-64-7	
N-Nitrosodiphenylamine	<244	ug/kg	812	244	1	10/16/15 13:41	10/19/15 16:49	86-30-6	
2,2'-Oxybis(1-chloropropane)	<46.3	ug/kg	154	46.3	1	10/16/15 13:41	10/19/15 16:49	108-60-1	
Pentachlorophenol	<39.5	ug/kg	132	39.5	1	10/16/15 13:41	10/19/15 16:49	87-86-5	
Phenanthrene	<23.0	ug/kg	76.8	23.0	1	10/16/15 13:41	10/19/15 16:49	85-01-8	
Phenol	<42.6	ug/kg	142	42.6	1	10/16/15 13:41	10/19/15 16:49	108-95-2	
Pyrene	<39.8	ug/kg	133	39.8	1	10/16/15 13:41	10/19/15 16:49	129-00-0	
1,2,4-Trichlorobenzene	<20.3	ug/kg	67.6	20.3	1	10/16/15 13:41	10/19/15 16:49	120-82-1	
2,4,5-Trichlorophenol	<31.7	ug/kg	106	31.7	1	10/16/15 13:41	10/19/15 16:49	95-95-4	
2,4,6-Trichlorophenol	<27.4	ug/kg	91.2	27.4	1	10/16/15 13:41	10/19/15 16:49	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	72	%	45-130		1	10/16/15 13:41	10/19/15 16:49	4165-60-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-10 (5-9)-101415 Lab ID: 40122890005 Collected: 10/14/15 12:30 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	69	%	51-130		1	10/16/15 13:41	10/19/15 16:49	321-60-8	
Terphenyl-d14 (S)	74	%	37-134		1	10/16/15 13:41	10/19/15 16:49	1718-51-0	
Phenol-d6 (S)	61	%	36-130		1	10/16/15 13:41	10/19/15 16:49	13127-88-3	
2-Fluorophenol (S)	60	%	37-130		1	10/16/15 13:41	10/19/15 16:49	367-12-4	
2,4,6-Tribromophenol (S)	71	%	30-130		1	10/16/15 13:41	10/19/15 16:49	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.2	ug/kg	13.4	4.2	1	10/16/15 12:00	10/16/15 21:08	67-64-1	2q
Benzene	<1.1	ug/kg	3.3	1.1	1	10/16/15 12:00	10/16/15 21:08	71-43-2	
Bromodichloromethane	<0.73	ug/kg	3.3	0.73	1	10/16/15 12:00	10/16/15 21:08	75-27-4	
Bromoform	<0.57	ug/kg	3.3	0.57	1	10/16/15 12:00	10/16/15 21:08	75-25-2	
Bromomethane	<1.0	ug/kg	6.7	1.0	1	10/16/15 12:00	10/16/15 21:08	74-83-9	
2-Butanone (MEK)	<1.9	ug/kg	13.4	1.9	1	10/16/15 12:00	10/16/15 21:08	78-93-3	
Carbon disulfide	<0.86	ug/kg	3.3	0.86	1	10/16/15 12:00	10/16/15 21:08	75-15-0	
Carbon tetrachloride	<1.1	ug/kg	3.3	1.1	1	10/16/15 12:00	10/16/15 21:08	56-23-5	
Chlorobenzene	<1.1	ug/kg	3.3	1.1	1	10/16/15 12:00	10/16/15 21:08	108-90-7	
Chloroethane	<1.3	ug/kg	3.3	1.3	1	10/16/15 12:00	10/16/15 21:08	75-00-3	
Chloroform	<0.63	ug/kg	3.3	0.63	1	10/16/15 12:00	10/16/15 21:08	67-66-3	
Chloromethane	<0.38	ug/kg	3.3	0.38	1	10/16/15 12:00	10/16/15 21:08	74-87-3	
Dibromochloromethane	<1.1	ug/kg	3.3	1.1	1	10/16/15 12:00	10/16/15 21:08	124-48-1	
1,1-Dichloroethane	<1.6	ug/kg	3.3	1.6	1	10/16/15 12:00	10/16/15 21:08	75-34-3	
1,2-Dichloroethane	<0.66	ug/kg	3.3	0.66	1	10/16/15 12:00	10/16/15 21:08	107-06-2	
1,1-Dichloroethene	<1.5	ug/kg	3.3	1.5	1	10/16/15 12:00	10/16/15 21:08	75-35-4	
cis-1,2-Dichloroethene	<0.89	ug/kg	3.3	0.89	1	10/16/15 12:00	10/16/15 21:08	156-59-2	
trans-1,2-Dichloroethene	<0.83	ug/kg	3.3	0.83	1	10/16/15 12:00	10/16/15 21:08	156-60-5	
1,2-Dichloropropane	<0.84	ug/kg	3.3	0.84	1	10/16/15 12:00	10/16/15 21:08	78-87-5	
cis-1,3-Dichloropropene	<0.45	ug/kg	3.3	0.45	1	10/16/15 12:00	10/16/15 21:08	10061-01-5	
trans-1,3-Dichloropropene	<0.62	ug/kg	3.3	0.62	1	10/16/15 12:00	10/16/15 21:08	10061-02-6	
Ethylbenzene	<0.96	ug/kg	3.3	0.96	1	10/16/15 12:00	10/16/15 21:08	100-41-4	
2-Hexanone	<0.99	ug/kg	3.3	0.99	1	10/16/15 12:00	10/16/15 21:08	591-78-6	
Methylene Chloride	<1.2	ug/kg	3.3	1.2	1	10/16/15 12:00	10/16/15 21:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.82	ug/kg	3.3	0.82	1	10/16/15 12:00	10/16/15 21:08	108-10-1	
Methyl-tert-butyl ether	<0.67	ug/kg	3.3	0.67	1	10/16/15 12:00	10/16/15 21:08	1634-04-4	
Styrene	<0.51	ug/kg	3.3	0.51	1	10/16/15 12:00	10/16/15 21:08	100-42-5	
1,1,2,2-Tetrachloroethane	<1.4	ug/kg	3.3	1.4	1	10/16/15 12:00	10/16/15 21:08	79-34-5	
Tetrachloroethene	<1.1	ug/kg	3.3	1.1	1	10/16/15 12:00	10/16/15 21:08	127-18-4	
Toluene	<0.99	ug/kg	3.3	0.99	1	10/16/15 12:00	10/16/15 21:08	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/kg	3.3	1.0	1	10/16/15 12:00	10/16/15 21:08	71-55-6	
1,1,2-Trichloroethane	<1.3	ug/kg	3.3	1.3	1	10/16/15 12:00	10/16/15 21:08	79-00-5	
Trichloroethene	<1.3	ug/kg	3.3	1.3	1	10/16/15 12:00	10/16/15 21:08	79-01-6	
Vinyl chloride	<0.37	ug/kg	3.3	0.37	1	10/16/15 12:00	10/16/15 21:08	75-01-4	
Xylene (Total)	<3.0	ug/kg	10.0	3.0	1	10/16/15 12:00	10/16/15 21:08	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	102	%	70-130		1	10/16/15 12:00	10/16/15 21:08	1868-53-7	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-10 (5-9)-101415 **Lab ID: 40122890005** Collected: 10/14/15 12:30 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	102	%	67-138		1	10/16/15 12:00	10/16/15 21:08	2037-26-5	
4-Bromofluorobenzene (S)	91	%	68-130		1	10/16/15 12:00	10/16/15 21:08	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	7.0	%	0.10	0.10	1		10/15/15 14:33		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	8.39	Std. Units	0.100	0.0100	1		10/16/15 17:00		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-9 (0-5)-101415 Lab ID: 40122890006 Collected: 10/14/15 12:45 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Red. Interference Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.33	mg/kg	1.1	0.33	1	10/19/15 16:30	10/20/15 18:08	7440-36-0	
Arsenic	6.9	mg/kg	1.1	0.42	1	10/19/15 16:30	10/20/15 18:08	7440-38-2	
Barium	72.4	mg/kg	1.1	0.060	1	10/19/15 16:30	10/21/15 14:46	7440-39-3	
Beryllium	0.60	mg/kg	0.11	0.012	1	10/19/15 16:30	10/20/15 18:08	7440-41-7	
Cadmium	0.10J	mg/kg	0.53	0.025	1	10/19/15 16:30	10/20/15 18:08	7440-43-9	B
Calcium	13500	mg/kg	10.5	1.2	1	10/19/15 16:30	10/20/15 18:08	7440-70-2	
Chromium	15.2	mg/kg	0.53	0.066	1	10/19/15 16:30	10/20/15 18:08	7440-47-3	
Cobalt	7.4	mg/kg	0.53	0.048	1	10/19/15 16:30	10/20/15 18:08	7440-48-4	
Copper	16.3	mg/kg	1.1	0.23	1	10/19/15 16:30	10/21/15 14:46	7440-50-8	
Iron	16500	mg/kg	5.3	0.47	1	10/19/15 16:30	10/20/15 18:08	7439-89-6	
Lead	23.5	mg/kg	1.1	0.21	1	10/19/15 16:30	10/20/15 18:08	7439-92-1	
Magnesium	9060	mg/kg	5.3	0.92	1	10/19/15 16:30	10/20/15 18:08	7439-95-4	
Manganese	494	mg/kg	0.53	0.072	1	10/19/15 16:30	10/20/15 18:08	7439-96-5	
Nickel	14.8	mg/kg	0.53	0.090	1	10/19/15 16:30	10/20/15 18:08	7440-02-0	
Potassium	1790	mg/kg	52.7	5.3	1	10/19/15 16:30	10/20/15 18:08	7440-09-7	
Selenium	<0.48	mg/kg	1.6	0.48	1	10/19/15 16:30	10/20/15 18:08	7782-49-2	
Silver	<0.11	mg/kg	0.74	0.11	1	10/19/15 16:30	10/20/15 18:08	7440-22-4	
Sodium	806	mg/kg	52.7	1.6	1	10/19/15 16:30	10/20/15 18:08	7440-23-5	
Thallium	<0.32	mg/kg	2.1	0.32	1	10/19/15 16:30	10/20/15 18:08	7440-28-0	
Vanadium	29.3	mg/kg	1.1	0.11	1	10/19/15 16:30	10/20/15 18:08	7440-62-2	
Zinc	41.7	mg/kg	10.5	0.60	1	10/19/15 16:30	10/20/15 18:08	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/25/15 00:00

Arsenic	<0.0045	mg/L	0.010	0.0045	1	10/27/15 09:45	10/28/15 12:52	7440-38-2	
Barium	0.021J	mg/L	0.10	0.00052	1	10/27/15 09:45	10/28/15 12:52	7440-39-3	
Beryllium	0.00020J	mg/L	0.0010	0.00017	1	10/27/15 09:45	10/27/15 17:35	7440-41-7	
Cadmium	<0.00056	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/28/15 12:52	7440-43-9	
Chromium	0.0060	mg/L	0.0050	0.00096	1	10/27/15 09:45	10/27/15 17:35	7440-47-3	
Cobalt	0.0012J	mg/L	0.0050	0.00080	1	10/27/15 09:45	10/27/15 17:35	7440-48-4	B
Copper	0.0087J	mg/L	0.010	0.00083	1	10/27/15 09:45	10/28/15 12:52	7440-50-8	B
Iron	3.6	mg/L	0.050	0.0090	1	10/27/15 09:45	10/28/15 12:52	7439-89-6	
Lead	0.0049J	mg/L	0.0050	0.0019	1	10/27/15 09:45	10/27/15 17:35	7439-92-1	
Manganese	0.061	mg/L	0.0050	0.0024	1	10/27/15 09:45	10/27/15 17:35	7439-96-5	
Nickel	0.0053	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 17:35	7440-02-0	B
Selenium	<0.0058	mg/L	0.015	0.0058	1	10/27/15 09:45	10/27/15 17:35	7782-49-2	
Silver	<0.0011	mg/L	0.0070	0.0011	1	10/27/15 09:45	10/27/15 17:35	7440-22-4	
Zinc	0.017J	mg/L	0.050	0.0026	1	10/27/15 09:45	10/27/15 17:35	7440-66-6	B

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/25/15 00:00

Arsenic	0.011J	mg/L	0.050	0.0045	1	10/27/15 09:45	10/27/15 16:33	7440-38-2	B
Barium	0.43	mg/L	0.25	0.00052	1	10/27/15 09:45	10/27/15 16:33	7440-39-3	
Beryllium	<0.00017	mg/L	0.0050	0.00017	1	10/27/15 09:45	10/27/15 16:33	7440-41-7	
Cadmium	0.0024J	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 16:33	7440-43-9	B

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-9 (0-5)-101415 Lab ID: 40122890006 Collected: 10/14/15 12:45 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/25/15 00:00									
Chromium	0.0013J	mg/L	0.010	0.00096	1	10/27/15 09:45	10/27/15 16:33	7440-47-3	B
Cobalt	<0.00080	mg/L	0.010	0.00080	1	10/27/15 09:45	10/27/15 16:33	7440-48-4	
Copper	0.011J	mg/L	0.020	0.00083	1	10/27/15 09:45	10/28/15 11:50	7440-50-8	B
Iron	0.013J	mg/L	0.10	0.0090	1	10/27/15 09:45	10/27/15 16:33	7439-89-6	B
Lead	<0.0019	mg/L	0.050	0.0019	1	10/27/15 09:45	10/27/15 16:33	7439-92-1	
Manganese	0.64	mg/L	0.010	0.0024	1	10/27/15 09:45	10/27/15 16:33	7439-96-5	
Nickel	0.0097J	mg/L	0.010	0.00056	1	10/27/15 09:45	10/27/15 16:33	7440-02-0	B
Selenium	0.010J	mg/L	0.050	0.0058	1	10/27/15 09:45	10/27/15 16:33	7782-49-2	B
Silver	<0.0011	mg/L	0.010	0.0011	1	10/27/15 09:45	10/27/15 16:33	7440-22-4	
Zinc	0.047J	mg/L	0.25	0.0026	1	10/27/15 09:45	10/27/15 16:33	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/25/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/27/15 12:00	10/27/15 16:13	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/25/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/27/15 12:00	10/27/15 15:18	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.045J	mg/kg	0.051	0.0027	1	10/19/15 10:00	10/19/15 15:27	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<68.7	ug/kg	229	68.7	1	10/16/15 13:41	10/19/15 19:10	83-32-9	
Acenaphthylene	<69.1	ug/kg	230	69.1	1	10/16/15 13:41	10/19/15 19:10	208-96-8	
Anthracene	<30.9	ug/kg	103	30.9	1	10/16/15 13:41	10/19/15 19:10	120-12-7	
Benzo(a)anthracene	56.6J	ug/kg	100	30.0	1	10/16/15 13:41	10/19/15 19:10	56-55-3	
Benzo(a)pyrene	63.0J	ug/kg	97.1	29.1	1	10/16/15 13:41	10/19/15 19:10	50-32-8	
Benzo(b)fluoranthene	<33.3	ug/kg	111	33.3	1	10/16/15 13:41	10/19/15 19:10	205-99-2	
Benzo(g,h,i)perylene	59.7J	ug/kg	169	50.7	1	10/16/15 13:41	10/19/15 19:10	191-24-2	
Benzo(k)fluoranthene	<46.4	ug/kg	155	46.4	1	10/16/15 13:41	10/19/15 19:10	207-08-9	
4-Bromophenylphenyl ether	<40.6	ug/kg	135	40.6	1	10/16/15 13:41	10/19/15 19:10	101-55-3	
Butylbenzylphthalate	<31.1	ug/kg	103	31.1	1	10/16/15 13:41	10/19/15 19:10	85-68-7	
Carbazole	<30.3	ug/kg	101	30.3	1	10/16/15 13:41	10/19/15 19:10	86-74-8	
4-Chloro-3-methylphenol	<60.2	ug/kg	201	60.2	1	10/16/15 13:41	10/19/15 19:10	59-50-7	
4-Chloroaniline	<31.8	ug/kg	106	31.8	1	10/16/15 13:41	10/19/15 19:10	106-47-8	
bis(2-Chloroethoxy)methane	<52.1	ug/kg	174	52.1	1	10/16/15 13:41	10/19/15 19:10	111-91-1	
bis(2-Chloroethyl) ether	<60.4	ug/kg	201	60.4	1	10/16/15 13:41	10/19/15 19:10	111-44-4	
2-Chloronaphthalene	<24.9	ug/kg	82.9	24.9	1	10/16/15 13:41	10/19/15 19:10	91-58-7	
2-Chlorophenol	<48.3	ug/kg	161	48.3	1	10/16/15 13:41	10/19/15 19:10	95-57-8	
4-Chlorophenylphenyl ether	<36.1	ug/kg	120	36.1	1	10/16/15 13:41	10/19/15 19:10	7005-72-3	
Chrysene	66.5J	ug/kg	96.5	29.0	1	10/16/15 13:41	10/19/15 19:10	218-01-9	
Dibenz(a,h)anthracene	<52.6	ug/kg	175	52.6	1	10/16/15 13:41	10/19/15 19:10	53-70-3	
Dibenzofuran	<23.4	ug/kg	78.1	23.4	1	10/16/15 13:41	10/19/15 19:10	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-9 (0-5)-101415 Lab ID: 40122890006 Collected: 10/14/15 12:45 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<60.9	ug/kg	203	60.9	1	10/16/15 13:41	10/19/15 19:10	95-50-1	
1,3-Dichlorobenzene	<26.8	ug/kg	89.4	26.8	1	10/16/15 13:41	10/19/15 19:10	541-73-1	
1,4-Dichlorobenzene	<27.0	ug/kg	89.9	27.0	1	10/16/15 13:41	10/19/15 19:10	106-46-7	
3,3'-Dichlorobenzidine	<52.5	ug/kg	175	52.5	1	10/16/15 13:41	10/19/15 19:10	91-94-1	
2,4-Dichlorophenol	<51.7	ug/kg	172	51.7	1	10/16/15 13:41	10/19/15 19:10	120-83-2	
Diethylphthalate	<32.1	ug/kg	107	32.1	1	10/16/15 13:41	10/19/15 19:10	84-66-2	
2,4-Dimethylphenol	<38.3	ug/kg	128	38.3	1	10/16/15 13:41	10/19/15 19:10	105-67-9	
Dimethylphthalate	<25.2	ug/kg	84.0	25.2	1	10/16/15 13:41	10/19/15 19:10	131-11-3	R1
Di-n-butylphthalate	<28.9	ug/kg	96.5	28.9	1	10/16/15 13:41	10/19/15 19:10	84-74-2	
4,6-Dinitro-2-methylphenol	<59.7	ug/kg	199	59.7	1	10/16/15 13:41	10/19/15 19:10	534-52-1	
2,4-Dinitrophenol	<59.0	ug/kg	197	59.0	1	10/16/15 13:41	10/19/15 19:10	51-28-5	M1
2,4-Dinitrotoluene	<27.7	ug/kg	92.3	27.7	1	10/16/15 13:41	10/19/15 19:10	121-14-2	
2,6-Dinitrotoluene	<36.8	ug/kg	123	36.8	1	10/16/15 13:41	10/19/15 19:10	606-20-2	
Di-n-octylphthalate	<43.5	ug/kg	145	43.5	1	10/16/15 13:41	10/19/15 19:10	117-84-0	
bis(2-Ethylhexyl)phthalate	<32.2	ug/kg	107	32.2	1	10/16/15 13:41	10/19/15 19:10	117-81-7	
Fluoranthene	58.1J	ug/kg	91.3	27.4	1	10/16/15 13:41	10/19/15 19:10	206-44-0	
Fluorene	<22.6	ug/kg	75.4	22.6	1	10/16/15 13:41	10/19/15 19:10	86-73-7	
Hexachloro-1,3-butadiene	<49.3	ug/kg	164	49.3	1	10/16/15 13:41	10/19/15 19:10	87-68-3	
Hexachlorobenzene	<32.6	ug/kg	109	32.6	1	10/16/15 13:41	10/19/15 19:10	118-74-1	
Hexachlorocyclopentadiene	<45.8	ug/kg	153	45.8	1	10/16/15 13:41	10/19/15 19:10	77-47-4	
Hexachloroethane	<31.0	ug/kg	103	31.0	1	10/16/15 13:41	10/19/15 19:10	67-72-1	
Indeno(1,2,3-cd)pyrene	64.6J	ug/kg	140	41.9	1	10/16/15 13:41	10/19/15 19:10	193-39-5	
Isophorone	<29.8	ug/kg	99.2	29.8	1	10/16/15 13:41	10/19/15 19:10	78-59-1	
2-Methylnaphthalene	<50.3	ug/kg	168	50.3	1	10/16/15 13:41	10/19/15 19:10	91-57-6	
2-Methylphenol(o-Cresol)	<35.2	ug/kg	117	35.2	1	10/16/15 13:41	10/19/15 19:10	95-48-7	
3&4-Methylphenol(m&p Cresol)	<35.5	ug/kg	118	35.5	1	10/16/15 13:41	10/19/15 19:10		
Naphthalene	<67.7	ug/kg	226	67.7	1	10/16/15 13:41	10/19/15 19:10	91-20-3	
2-Nitroaniline	<55.2	ug/kg	184	55.2	1	10/16/15 13:41	10/19/15 19:10	88-74-4	
3-Nitroaniline	<32.9	ug/kg	110	32.9	1	10/16/15 13:41	10/19/15 19:10	99-09-2	
4-Nitroaniline	<80.4	ug/kg	268	80.4	1	10/16/15 13:41	10/19/15 19:10	100-01-6	
Nitrobenzene	<39.3	ug/kg	131	39.3	1	10/16/15 13:41	10/19/15 19:10	98-95-3	
2-Nitrophenol	<61.1	ug/kg	204	61.1	1	10/16/15 13:41	10/19/15 19:10	88-75-5	
4-Nitrophenol	<48.8	ug/kg	163	48.8	1	10/16/15 13:41	10/19/15 19:10	100-02-7	
N-Nitroso-di-n-propylamine	<30.7	ug/kg	102	30.7	1	10/16/15 13:41	10/19/15 19:10	621-64-7	
N-Nitrosodiphenylamine	<263	ug/kg	876	263	1	10/16/15 13:41	10/19/15 19:10	86-30-6	
2,2'-Oxybis(1-chloropropane)	<49.9	ug/kg	166	49.9	1	10/16/15 13:41	10/19/15 19:10	108-60-1	
Pentachlorophenol	<42.6	ug/kg	142	42.6	1	10/16/15 13:41	10/19/15 19:10	87-86-5	
Phenanthrene	50.3J	ug/kg	82.8	24.8	1	10/16/15 13:41	10/19/15 19:10	85-01-8	
Phenol	<46.0	ug/kg	153	46.0	1	10/16/15 13:41	10/19/15 19:10	108-95-2	
Pyrene	134J	ug/kg	143	42.9	1	10/16/15 13:41	10/19/15 19:10	129-00-0	
1,2,4-Trichlorobenzene	<21.9	ug/kg	73.0	21.9	1	10/16/15 13:41	10/19/15 19:10	120-82-1	
2,4,5-Trichlorophenol	<34.2	ug/kg	114	34.2	1	10/16/15 13:41	10/19/15 19:10	95-95-4	
2,4,6-Trichlorophenol	<29.5	ug/kg	98.4	29.5	1	10/16/15 13:41	10/19/15 19:10	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	72	%	45-130		1	10/16/15 13:41	10/19/15 19:10	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-9 (0-5)-101415 Lab ID: 40122890006 Collected: 10/14/15 12:45 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	77	%	51-130		1	10/16/15 13:41	10/19/15 19:10	321-60-8	
Terphenyl-d14 (S)	138	%	37-134		1	10/16/15 13:41	10/19/15 19:10	1718-51-0	S3
Phenol-d6 (S)	72	%	36-130		1	10/16/15 13:41	10/19/15 19:10	13127-88-3	
2-Fluorophenol (S)	62	%	37-130		1	10/16/15 13:41	10/19/15 19:10	367-12-4	
2,4,6-Tribromophenol (S)	67	%	30-130		1	10/16/15 13:41	10/19/15 19:10	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<3.7	ug/kg	12.0	3.7	1	10/16/15 12:00	10/16/15 21:30	67-64-1	2q
Benzene	<0.97	ug/kg	3.0	0.97	1	10/16/15 12:00	10/16/15 21:30	71-43-2	
Bromodichloromethane	<0.66	ug/kg	3.0	0.66	1	10/16/15 12:00	10/16/15 21:30	75-27-4	
Bromoform	<0.51	ug/kg	3.0	0.51	1	10/16/15 12:00	10/16/15 21:30	75-25-2	
Bromomethane	<0.90	ug/kg	6.0	0.90	1	10/16/15 12:00	10/16/15 21:30	74-83-9	
2-Butanone (MEK)	<1.7	ug/kg	12.0	1.7	1	10/16/15 12:00	10/16/15 21:30	78-93-3	
Carbon disulfide	<0.77	ug/kg	3.0	0.77	1	10/16/15 12:00	10/16/15 21:30	75-15-0	
Carbon tetrachloride	<0.95	ug/kg	3.0	0.95	1	10/16/15 12:00	10/16/15 21:30	56-23-5	
Chlorobenzene	<0.95	ug/kg	3.0	0.95	1	10/16/15 12:00	10/16/15 21:30	108-90-7	
Chloroethane	<1.2	ug/kg	3.0	1.2	1	10/16/15 12:00	10/16/15 21:30	75-00-3	
Chloroform	<0.57	ug/kg	3.0	0.57	1	10/16/15 12:00	10/16/15 21:30	67-66-3	
Chloromethane	<0.34	ug/kg	3.0	0.34	1	10/16/15 12:00	10/16/15 21:30	74-87-3	
Dibromochloromethane	<1.0	ug/kg	3.0	1.0	1	10/16/15 12:00	10/16/15 21:30	124-48-1	
1,1-Dichloroethane	<1.4	ug/kg	3.0	1.4	1	10/16/15 12:00	10/16/15 21:30	75-34-3	
1,2-Dichloroethane	<0.59	ug/kg	3.0	0.59	1	10/16/15 12:00	10/16/15 21:30	107-06-2	
1,1-Dichloroethene	<1.4	ug/kg	3.0	1.4	1	10/16/15 12:00	10/16/15 21:30	75-35-4	
cis-1,2-Dichloroethene	<0.80	ug/kg	3.0	0.80	1	10/16/15 12:00	10/16/15 21:30	156-59-2	
trans-1,2-Dichloroethene	<0.74	ug/kg	3.0	0.74	1	10/16/15 12:00	10/16/15 21:30	156-60-5	
1,2-Dichloropropane	<0.76	ug/kg	3.0	0.76	1	10/16/15 12:00	10/16/15 21:30	78-87-5	
cis-1,3-Dichloropropene	<0.40	ug/kg	3.0	0.40	1	10/16/15 12:00	10/16/15 21:30	10061-01-5	
trans-1,3-Dichloropropene	<0.56	ug/kg	3.0	0.56	1	10/16/15 12:00	10/16/15 21:30	10061-02-6	
Ethylbenzene	<0.87	ug/kg	3.0	0.87	1	10/16/15 12:00	10/16/15 21:30	100-41-4	
2-Hexanone	<0.89	ug/kg	3.0	0.89	1	10/16/15 12:00	10/16/15 21:30	591-78-6	
Methylene Chloride	<1.1	ug/kg	3.0	1.1	1	10/16/15 12:00	10/16/15 21:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.74	ug/kg	3.0	0.74	1	10/16/15 12:00	10/16/15 21:30	108-10-1	
Methyl-tert-butyl ether	<0.60	ug/kg	3.0	0.60	1	10/16/15 12:00	10/16/15 21:30	1634-04-4	
Styrene	<0.46	ug/kg	3.0	0.46	1	10/16/15 12:00	10/16/15 21:30	100-42-5	
1,1,2,2-Tetrachloroethane	<1.2	ug/kg	3.0	1.2	1	10/16/15 12:00	10/16/15 21:30	79-34-5	
Tetrachloroethene	<0.94	ug/kg	3.0	0.94	1	10/16/15 12:00	10/16/15 21:30	127-18-4	
Toluene	<0.89	ug/kg	3.0	0.89	1	10/16/15 12:00	10/16/15 21:30	108-88-3	
1,1,1-Trichloroethane	<0.92	ug/kg	3.0	0.92	1	10/16/15 12:00	10/16/15 21:30	71-55-6	
1,1,2-Trichloroethane	<1.1	ug/kg	3.0	1.1	1	10/16/15 12:00	10/16/15 21:30	79-00-5	
Trichloroethene	<1.2	ug/kg	3.0	1.2	1	10/16/15 12:00	10/16/15 21:30	79-01-6	
Vinyl chloride	<0.33	ug/kg	3.0	0.33	1	10/16/15 12:00	10/16/15 21:30	75-01-4	
Xylene (Total)	<2.7	ug/kg	9.0	2.7	1	10/16/15 12:00	10/16/15 21:30	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	105	%	70-130		1	10/16/15 12:00	10/16/15 21:30	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-9 (0-5)-101415 **Lab ID: 40122890006** Collected: 10/14/15 12:45 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	103	%	67-138		1	10/16/15 12:00	10/16/15 21:30	2037-26-5	
4-Bromofluorobenzene (S)	96	%	68-130		1	10/16/15 12:00	10/16/15 21:30	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	13.8	%	0.10	0.10	1		10/15/15 14:33		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.06	Std. Units	0.100	0.0100	1		10/16/15 17:00		H6

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-9 (5-9)-101415 Lab ID: 40122890007 Collected: 10/14/15 13:00 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Red. Interference Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.29	mg/kg	0.92	0.29	1	10/19/15 16:30	10/20/15 18:10	7440-36-0	
Arsenic	2.7	mg/kg	0.92	0.36	1	10/19/15 16:30	10/20/15 18:10	7440-38-2	
Barium	18.2	mg/kg	1.8	0.10	2	10/19/15 16:30	10/21/15 14:48	7440-39-3	
Beryllium	0.12	mg/kg	0.092	0.011	1	10/19/15 16:30	10/20/15 18:10	7440-41-7	
Cadmium	0.13J	mg/kg	0.46	0.022	1	10/19/15 16:30	10/20/15 18:10	7440-43-9	B
Calcium	144000	mg/kg	18.5	2.0	2	10/19/15 16:30	10/21/15 14:48	7440-70-2	
Chromium	6.5	mg/kg	0.46	0.058	1	10/19/15 16:30	10/20/15 18:10	7440-47-3	
Cobalt	2.0	mg/kg	0.46	0.042	1	10/19/15 16:30	10/20/15 18:10	7440-48-4	
Copper	7.9	mg/kg	1.8	0.41	2	10/19/15 16:30	10/21/15 14:48	7440-50-8	
Iron	5980	mg/kg	4.6	0.41	1	10/19/15 16:30	10/20/15 18:10	7439-89-6	
Lead	6.4	mg/kg	0.92	0.19	1	10/19/15 16:30	10/20/15 18:10	7439-92-1	
Magnesium	82400	mg/kg	4.6	0.81	1	10/19/15 16:30	10/20/15 18:10	7439-95-4	
Manganese	257	mg/kg	0.46	0.063	1	10/19/15 16:30	10/20/15 18:10	7439-96-5	
Nickel	5.9	mg/kg	0.46	0.078	1	10/19/15 16:30	10/20/15 18:10	7440-02-0	
Potassium	1100	mg/kg	92.3	9.3	2	10/19/15 16:30	10/21/15 14:48	7440-09-7	
Selenium	<0.42	mg/kg	1.4	0.42	1	10/19/15 16:30	10/20/15 18:10	7782-49-2	
Silver	<0.096	mg/kg	0.65	0.096	1	10/19/15 16:30	10/20/15 18:10	7440-22-4	
Sodium	349	mg/kg	46.2	1.4	1	10/19/15 16:30	10/20/15 18:10	7440-23-5	
Thallium	<0.28	mg/kg	1.8	0.28	1	10/19/15 16:30	10/20/15 18:10	7440-28-0	
Vanadium	8.3	mg/kg	0.92	0.099	1	10/19/15 16:30	10/20/15 18:10	7440-62-2	
Zinc	16.0	mg/kg	9.2	0.52	1	10/19/15 16:30	10/20/15 18:10	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/25/15 00:00

Arsenic	<0.0045	mg/L	0.010	0.0045	1	10/27/15 09:45	10/28/15 12:54	7440-38-2	
Barium	0.019J	mg/L	0.10	0.00052	1	10/27/15 09:45	10/28/15 12:54	7440-39-3	
Beryllium	0.00018J	mg/L	0.0010	0.00017	1	10/27/15 09:45	10/27/15 17:37	7440-41-7	
Cadmium	<0.00056	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/28/15 12:54	7440-43-9	
Chromium	0.0086	mg/L	0.0050	0.00096	1	10/27/15 09:45	10/27/15 17:37	7440-47-3	
Cobalt	0.0013J	mg/L	0.0050	0.00080	1	10/27/15 09:45	10/27/15 17:37	7440-48-4	B
Copper	0.0084J	mg/L	0.010	0.00083	1	10/27/15 09:45	10/28/15 12:54	7440-50-8	B
Iron	2.5	mg/L	0.050	0.0090	1	10/27/15 09:45	10/28/15 12:54	7439-89-6	
Lead	0.0032J	mg/L	0.0050	0.0019	1	10/27/15 09:45	10/27/15 17:37	7439-92-1	
Manganese	0.036	mg/L	0.0050	0.0024	1	10/27/15 09:45	10/27/15 17:37	7439-96-5	
Nickel	0.0063	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 17:37	7440-02-0	B
Selenium	<0.0058	mg/L	0.015	0.0058	1	10/27/15 09:45	10/27/15 17:37	7782-49-2	
Silver	<0.0011	mg/L	0.0070	0.0011	1	10/27/15 09:45	10/27/15 17:37	7440-22-4	
Zinc	0.020J	mg/L	0.050	0.0026	1	10/27/15 09:45	10/27/15 17:37	7440-66-6	B

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/25/15 00:00

Arsenic	0.0084J	mg/L	0.050	0.0045	1	10/27/15 09:45	10/27/15 16:40	7440-38-2	B
Barium	0.28	mg/L	0.25	0.00052	1	10/27/15 09:45	10/27/15 16:40	7440-39-3	
Beryllium	<0.00017	mg/L	0.0050	0.00017	1	10/27/15 09:45	10/27/15 16:40	7440-41-7	
Cadmium	0.0020J	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 16:40	7440-43-9	B

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-9 (5-9)-101415 Lab ID: 40122890007 Collected: 10/14/15 13:00 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/25/15 00:00									
Chromium	0.0032J	mg/L	0.010	0.00096	1	10/27/15 09:45	10/27/15 16:40	7440-47-3	B
Cobalt	0.0029J	mg/L	0.010	0.00080	1	10/27/15 09:45	10/27/15 16:40	7440-48-4	
Copper	0.012J	mg/L	0.020	0.00083	1	10/27/15 09:45	10/28/15 11:57	7440-50-8	B
Iron	<0.0090	mg/L	0.10	0.0090	1	10/27/15 09:45	10/28/15 11:57	7439-89-6	
Lead	<0.0019	mg/L	0.050	0.0019	1	10/27/15 09:45	10/27/15 16:40	7439-92-1	
Manganese	1.4	mg/L	0.010	0.0024	1	10/27/15 09:45	10/27/15 16:40	7439-96-5	
Nickel	0.017	mg/L	0.010	0.00056	1	10/27/15 09:45	10/27/15 16:40	7440-02-0	B
Selenium	0.010J	mg/L	0.050	0.0058	1	10/27/15 09:45	10/27/15 16:40	7782-49-2	B
Silver	<0.0011	mg/L	0.010	0.0011	1	10/27/15 09:45	10/27/15 16:40	7440-22-4	
Zinc	0.087J	mg/L	0.25	0.0026	1	10/27/15 09:45	10/27/15 16:40	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/25/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/27/15 12:00	10/27/15 16:15	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/25/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/27/15 12:00	10/27/15 15:20	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.0036J	mg/kg	0.050	0.0026	1	10/19/15 10:00	10/19/15 15:29	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<63.4	ug/kg	211	63.4	1	10/16/15 13:41	10/20/15 15:56	83-32-9	
Acenaphthylene	<63.8	ug/kg	213	63.8	1	10/16/15 13:41	10/20/15 15:56	208-96-8	
Anthracene	<28.6	ug/kg	95.3	28.6	1	10/16/15 13:41	10/20/15 15:56	120-12-7	
Benzo(a)anthracene	43.5J	ug/kg	92.3	27.7	1	10/16/15 13:41	10/20/15 15:56	56-55-3	
Benzo(a)pyrene	53.2J	ug/kg	89.7	26.9	1	10/16/15 13:41	10/20/15 15:56	50-32-8	
Benzo(b)fluoranthene	61.4J	ug/kg	102	30.7	1	10/16/15 13:41	10/20/15 15:56	205-99-2	
Benzo(g,h,i)perylene	66.1J	ug/kg	156	46.8	1	10/16/15 13:41	10/20/15 15:56	191-24-2	
Benzo(k)fluoranthene	59.1J	ug/kg	143	42.8	1	10/16/15 13:41	10/20/15 15:56	207-08-9	
4-Bromophenylphenyl ether	<37.4	ug/kg	125	37.4	1	10/16/15 13:41	10/20/15 15:56	101-55-3	
Butylbenzylphthalate	<28.7	ug/kg	95.6	28.7	1	10/16/15 13:41	10/20/15 15:56	85-68-7	
Carbazole	<28.0	ug/kg	93.3	28.0	1	10/16/15 13:41	10/20/15 15:56	86-74-8	
4-Chloro-3-methylphenol	<55.6	ug/kg	185	55.6	1	10/16/15 13:41	10/20/15 15:56	59-50-7	
4-Chloroaniline	<29.4	ug/kg	97.9	29.4	1	10/16/15 13:41	10/20/15 15:56	106-47-8	
bis(2-Chloroethoxy)methane	<48.2	ug/kg	161	48.2	1	10/16/15 13:41	10/20/15 15:56	111-91-1	
bis(2-Chloroethyl) ether	<55.8	ug/kg	186	55.8	1	10/16/15 13:41	10/20/15 15:56	111-44-4	
2-Chloronaphthalene	<23.0	ug/kg	76.5	23.0	1	10/16/15 13:41	10/20/15 15:56	91-58-7	
2-Chlorophenol	<44.6	ug/kg	149	44.6	1	10/16/15 13:41	10/20/15 15:56	95-57-8	
4-Chlorophenylphenyl ether	<33.3	ug/kg	111	33.3	1	10/16/15 13:41	10/20/15 15:56	7005-72-3	
Chrysene	60.9J	ug/kg	89.1	26.7	1	10/16/15 13:41	10/20/15 15:56	218-01-9	
Dibenz(a,h)anthracene	<48.6	ug/kg	162	48.6	1	10/16/15 13:41	10/20/15 15:56	53-70-3	
Dibenzofuran	<21.6	ug/kg	72.1	21.6	1	10/16/15 13:41	10/20/15 15:56	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-9 (5-9)-101415 Lab ID: 40122890007 Collected: 10/14/15 13:00 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<56.2	ug/kg	187	56.2	1	10/16/15 13:41	10/20/15 15:56	95-50-1	
1,3-Dichlorobenzene	<24.8	ug/kg	82.5	24.8	1	10/16/15 13:41	10/20/15 15:56	541-73-1	
1,4-Dichlorobenzene	<24.9	ug/kg	83.0	24.9	1	10/16/15 13:41	10/20/15 15:56	106-46-7	
3,3'-Dichlorobenzidine	<48.5	ug/kg	162	48.5	1	10/16/15 13:41	10/20/15 15:56	91-94-1	
2,4-Dichlorophenol	<47.8	ug/kg	159	47.8	1	10/16/15 13:41	10/20/15 15:56	120-83-2	
Diethylphthalate	<29.6	ug/kg	98.8	29.6	1	10/16/15 13:41	10/20/15 15:56	84-66-2	
2,4-Dimethylphenol	<35.4	ug/kg	118	35.4	1	10/16/15 13:41	10/20/15 15:56	105-67-9	
Dimethylphthalate	<23.3	ug/kg	77.5	23.3	1	10/16/15 13:41	10/20/15 15:56	131-11-3	
Di-n-butylphthalate	<26.7	ug/kg	89.1	26.7	1	10/16/15 13:41	10/20/15 15:56	84-74-2	
4,6-Dinitro-2-methylphenol	<55.1	ug/kg	184	55.1	1	10/16/15 13:41	10/20/15 15:56	534-52-1	
2,4-Dinitrophenol	<54.5	ug/kg	182	54.5	1	10/16/15 13:41	10/20/15 15:56	51-28-5	
2,4-Dinitrotoluene	<25.6	ug/kg	85.2	25.6	1	10/16/15 13:41	10/20/15 15:56	121-14-2	
2,6-Dinitrotoluene	<33.9	ug/kg	113	33.9	1	10/16/15 13:41	10/20/15 15:56	606-20-2	
Di-n-octylphthalate	<40.2	ug/kg	134	40.2	1	10/16/15 13:41	10/20/15 15:56	117-84-0	
bis(2-Ethylhexyl)phthalate	30.8J	ug/kg	99.1	29.7	1	10/16/15 13:41	10/20/15 15:56	117-81-7	
Fluoranthene	64.4J	ug/kg	84.3	25.3	1	10/16/15 13:41	10/20/15 15:56	206-44-0	
Fluorene	<20.9	ug/kg	69.7	20.9	1	10/16/15 13:41	10/20/15 15:56	86-73-7	
Hexachloro-1,3-butadiene	<45.6	ug/kg	152	45.6	1	10/16/15 13:41	10/20/15 15:56	87-68-3	
Hexachlorobenzene	<30.1	ug/kg	100	30.1	1	10/16/15 13:41	10/20/15 15:56	118-74-1	
Hexachlorocyclopentadiene	<42.3	ug/kg	141	42.3	1	10/16/15 13:41	10/20/15 15:56	77-47-4	
Hexachloroethane	<28.6	ug/kg	95.4	28.6	1	10/16/15 13:41	10/20/15 15:56	67-72-1	
Indeno(1,2,3-cd)pyrene	66.5J	ug/kg	129	38.7	1	10/16/15 13:41	10/20/15 15:56	193-39-5	
Isophorone	<27.5	ug/kg	91.6	27.5	1	10/16/15 13:41	10/20/15 15:56	78-59-1	
2-Methylnaphthalene	<46.4	ug/kg	155	46.4	1	10/16/15 13:41	10/20/15 15:56	91-57-6	
2-Methylphenol(o-Cresol)	<32.5	ug/kg	108	32.5	1	10/16/15 13:41	10/20/15 15:56	95-48-7	
3&4-Methylphenol(m&p Cresol)	<32.8	ug/kg	109	32.8	1	10/16/15 13:41	10/20/15 15:56		
Naphthalene	<62.5	ug/kg	208	62.5	1	10/16/15 13:41	10/20/15 15:56	91-20-3	
2-Nitroaniline	<51.0	ug/kg	170	51.0	1	10/16/15 13:41	10/20/15 15:56	88-74-4	
3-Nitroaniline	<30.4	ug/kg	101	30.4	1	10/16/15 13:41	10/20/15 15:56	99-09-2	
4-Nitroaniline	<74.2	ug/kg	247	74.2	1	10/16/15 13:41	10/20/15 15:56	100-01-6	
Nitrobenzene	<36.3	ug/kg	121	36.3	1	10/16/15 13:41	10/20/15 15:56	98-95-3	
2-Nitrophenol	<56.4	ug/kg	188	56.4	1	10/16/15 13:41	10/20/15 15:56	88-75-5	
4-Nitrophenol	<45.0	ug/kg	150	45.0	1	10/16/15 13:41	10/20/15 15:56	100-02-7	
N-Nitroso-di-n-propylamine	<28.4	ug/kg	94.5	28.4	1	10/16/15 13:41	10/20/15 15:56	621-64-7	
N-Nitrosodiphenylamine	<243	ug/kg	809	243	1	10/16/15 13:41	10/20/15 15:56	86-30-6	
2,2'-Oxybis(1-chloropropane)	<46.1	ug/kg	154	46.1	1	10/16/15 13:41	10/20/15 15:56	108-60-1	
Pentachlorophenol	<39.4	ug/kg	131	39.4	1	10/16/15 13:41	10/20/15 15:56	87-86-5	
Phenanthrene	33.6J	ug/kg	76.5	22.9	1	10/16/15 13:41	10/20/15 15:56	85-01-8	
Phenol	<42.4	ug/kg	141	42.4	1	10/16/15 13:41	10/20/15 15:56	108-95-2	
Pyrene	137	ug/kg	132	39.6	1	10/16/15 13:41	10/20/15 15:56	129-00-0	
1,2,4-Trichlorobenzene	<20.2	ug/kg	67.4	20.2	1	10/16/15 13:41	10/20/15 15:56	120-82-1	
2,4,5-Trichlorophenol	<31.6	ug/kg	105	31.6	1	10/16/15 13:41	10/20/15 15:56	95-95-4	
2,4,6-Trichlorophenol	<27.3	ug/kg	90.9	27.3	1	10/16/15 13:41	10/20/15 15:56	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	57	%	45-130		1	10/16/15 13:41	10/20/15 15:56	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-9 (5-9)-101415 **Lab ID: 40122890007** Collected: 10/14/15 13:00 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

2-Fluorobiphenyl (S)	65	%	51-130		1	10/16/15 13:41	10/20/15 15:56	321-60-8	
Terphenyl-d14 (S)	137	%	37-134		1	10/16/15 13:41	10/20/15 15:56	1718-51-0	S0
Phenol-d6 (S)	71	%	36-130		1	10/16/15 13:41	10/20/15 15:56	13127-88-3	
2-Fluorophenol (S)	58	%	37-130		1	10/16/15 13:41	10/20/15 15:56	367-12-4	
2,4,6-Tribromophenol (S)	71	%	30-130		1	10/16/15 13:41	10/20/15 15:56	118-79-6	

8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260

Acetone	<4.1	ug/kg	13.2	4.1	1	10/16/15 12:00	10/16/15 21:53	67-64-1	2q
Benzene	<1.1	ug/kg	3.3	1.1	1	10/16/15 12:00	10/16/15 21:53	71-43-2	
Bromodichloromethane	<0.72	ug/kg	3.3	0.72	1	10/16/15 12:00	10/16/15 21:53	75-27-4	
Bromoform	<0.56	ug/kg	3.3	0.56	1	10/16/15 12:00	10/16/15 21:53	75-25-2	
Bromomethane	<0.99	ug/kg	6.6	0.99	1	10/16/15 12:00	10/16/15 21:53	74-83-9	
2-Butanone (MEK)	<1.9	ug/kg	13.2	1.9	1	10/16/15 12:00	10/16/15 21:53	78-93-3	
Carbon disulfide	<0.85	ug/kg	3.3	0.85	1	10/16/15 12:00	10/16/15 21:53	75-15-0	
Carbon tetrachloride	<1.0	ug/kg	3.3	1.0	1	10/16/15 12:00	10/16/15 21:53	56-23-5	
Chlorobenzene	<1.0	ug/kg	3.3	1.0	1	10/16/15 12:00	10/16/15 21:53	108-90-7	
Chloroethane	<1.3	ug/kg	3.3	1.3	1	10/16/15 12:00	10/16/15 21:53	75-00-3	
Chloroform	<0.62	ug/kg	3.3	0.62	1	10/16/15 12:00	10/16/15 21:53	67-66-3	
Chloromethane	<0.37	ug/kg	3.3	0.37	1	10/16/15 12:00	10/16/15 21:53	74-87-3	
Dibromochloromethane	<1.1	ug/kg	3.3	1.1	1	10/16/15 12:00	10/16/15 21:53	124-48-1	
1,1-Dichloroethane	<1.6	ug/kg	3.3	1.6	1	10/16/15 12:00	10/16/15 21:53	75-34-3	
1,2-Dichloroethane	<0.65	ug/kg	3.3	0.65	1	10/16/15 12:00	10/16/15 21:53	107-06-2	
1,1-Dichloroethene	<1.5	ug/kg	3.3	1.5	1	10/16/15 12:00	10/16/15 21:53	75-35-4	
cis-1,2-Dichloroethene	<0.87	ug/kg	3.3	0.87	1	10/16/15 12:00	10/16/15 21:53	156-59-2	
trans-1,2-Dichloroethene	<0.81	ug/kg	3.3	0.81	1	10/16/15 12:00	10/16/15 21:53	156-60-5	
1,2-Dichloropropane	<0.83	ug/kg	3.3	0.83	1	10/16/15 12:00	10/16/15 21:53	78-87-5	
cis-1,3-Dichloropropene	<0.44	ug/kg	3.3	0.44	1	10/16/15 12:00	10/16/15 21:53	10061-01-5	
trans-1,3-Dichloropropene	<0.61	ug/kg	3.3	0.61	1	10/16/15 12:00	10/16/15 21:53	10061-02-6	
Ethylbenzene	<0.95	ug/kg	3.3	0.95	1	10/16/15 12:00	10/16/15 21:53	100-41-4	
2-Hexanone	<0.98	ug/kg	3.3	0.98	1	10/16/15 12:00	10/16/15 21:53	591-78-6	
Methylene Chloride	<1.2	ug/kg	3.3	1.2	1	10/16/15 12:00	10/16/15 21:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.81	ug/kg	3.3	0.81	1	10/16/15 12:00	10/16/15 21:53	108-10-1	
Methyl-tert-butyl ether	<0.66	ug/kg	3.3	0.66	1	10/16/15 12:00	10/16/15 21:53	1634-04-4	
Styrene	<0.50	ug/kg	3.3	0.50	1	10/16/15 12:00	10/16/15 21:53	100-42-5	
1,1,2,2-Tetrachloroethane	<1.4	ug/kg	3.3	1.4	1	10/16/15 12:00	10/16/15 21:53	79-34-5	
Tetrachloroethene	<1.0	ug/kg	3.3	1.0	1	10/16/15 12:00	10/16/15 21:53	127-18-4	
Toluene	<0.98	ug/kg	3.3	0.98	1	10/16/15 12:00	10/16/15 21:53	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/kg	3.3	1.0	1	10/16/15 12:00	10/16/15 21:53	71-55-6	
1,1,2-Trichloroethane	<1.3	ug/kg	3.3	1.3	1	10/16/15 12:00	10/16/15 21:53	79-00-5	
Trichloroethene	<1.3	ug/kg	3.3	1.3	1	10/16/15 12:00	10/16/15 21:53	79-01-6	
Vinyl chloride	<0.36	ug/kg	3.3	0.36	1	10/16/15 12:00	10/16/15 21:53	75-01-4	
Xylene (Total)	<3.0	ug/kg	9.9	3.0	1	10/16/15 12:00	10/16/15 21:53	1330-20-7	

Surrogates

Dibromofluoromethane (S)	103	%	70-130		1	10/16/15 12:00	10/16/15 21:53	1868-53-7	
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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-9 (5-9)-101415 **Lab ID: 40122890007** Collected: 10/14/15 13:00 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	99	%	67-138		1	10/16/15 12:00	10/16/15 21:53	2037-26-5	
4-Bromofluorobenzene (S)	90	%	68-130		1	10/16/15 12:00	10/16/15 21:53	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	6.6	%	0.10	0.10	1		10/15/15 14:33		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.38	Std. Units	0.100	0.0100	1		10/16/15 17:00		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-8 (0-5)-101415 Lab ID: 40122890008 Collected: 10/14/15 13:15 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Red. Interference Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	0.33J	mg/kg	0.85	0.26	1	10/19/15 16:30	10/20/15 18:12	7440-36-0	M1
Arsenic	10.6	mg/kg	0.85	0.34	1	10/19/15 16:30	10/20/15 18:12	7440-38-2	
Barium	30.7	mg/kg	0.85	0.048	1	10/19/15 16:30	10/21/15 14:55	7440-39-3	
Beryllium	0.24	mg/kg	0.085	0.0098	1	10/19/15 16:30	10/20/15 18:12	7440-41-7	
Cadmium	0.16J	mg/kg	0.43	0.020	1	10/19/15 16:30	10/20/15 18:12	7440-43-9	B
Calcium	69900	mg/kg	8.5	0.93	1	10/19/15 16:30	10/20/15 18:12	7440-70-2	M1,R1
Chromium	9.0	mg/kg	0.43	0.053	1	10/19/15 16:30	10/20/15 18:12	7440-47-3	
Cobalt	3.5	mg/kg	0.43	0.039	1	10/19/15 16:30	10/20/15 18:12	7440-48-4	
Copper	15.1	mg/kg	0.85	0.19	1	10/19/15 16:30	10/21/15 14:55	7440-50-8	
Iron	9950	mg/kg	4.3	0.38	1	10/19/15 16:30	10/20/15 18:12	7439-89-6	M1
Lead	32.0	mg/kg	0.85	0.17	1	10/19/15 16:30	10/20/15 18:12	7439-92-1	
Magnesium	46600	mg/kg	4.3	0.75	1	10/19/15 16:30	10/20/15 18:12	7439-95-4	M1,R1
Manganese	349	mg/kg	0.43	0.058	1	10/19/15 16:30	10/20/15 18:12	7439-96-5	M1
Nickel	8.6	mg/kg	0.43	0.072	1	10/19/15 16:30	10/20/15 18:12	7440-02-0	
Potassium	1080	mg/kg	42.6	4.3	1	10/19/15 16:30	10/20/15 18:12	7440-09-7	M1
Selenium	<0.39	mg/kg	1.3	0.39	1	10/19/15 16:30	10/20/15 18:12	7782-49-2	
Silver	<0.088	mg/kg	0.60	0.088	1	10/19/15 16:30	10/20/15 18:12	7440-22-4	
Sodium	424	mg/kg	42.6	1.3	1	10/19/15 16:30	10/20/15 18:12	7440-23-5	
Thallium	<0.26	mg/kg	1.7	0.26	1	10/19/15 16:30	10/20/15 18:12	7440-28-0	
Vanadium	15.7	mg/kg	0.85	0.091	1	10/19/15 16:30	10/20/15 18:12	7440-62-2	
Zinc	31.1	mg/kg	8.5	0.48	1	10/19/15 16:30	10/20/15 18:12	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/25/15 00:00

Arsenic	<0.0045	mg/L	0.010	0.0045	1	10/27/15 09:45	10/28/15 12:56	7440-38-2	
Barium	0.0066J	mg/L	0.10	0.00052	1	10/27/15 09:45	10/28/15 12:56	7440-39-3	B
Beryllium	<0.00017	mg/L	0.0010	0.00017	1	10/27/15 09:45	10/27/15 17:39	7440-41-7	
Cadmium	<0.00056	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/28/15 12:56	7440-43-9	
Chromium	0.0075	mg/L	0.0050	0.00096	1	10/27/15 09:45	10/27/15 17:39	7440-47-3	
Cobalt	<0.00080	mg/L	0.0050	0.00080	1	10/27/15 09:45	10/27/15 17:39	7440-48-4	
Copper	0.0045J	mg/L	0.010	0.00083	1	10/27/15 09:45	10/28/15 12:56	7440-50-8	B
Iron	0.44	mg/L	0.050	0.0090	1	10/27/15 09:45	10/28/15 12:56	7439-89-6	
Lead	<0.0019	mg/L	0.0050	0.0019	1	10/27/15 09:45	10/27/15 17:39	7439-92-1	
Manganese	0.010	mg/L	0.0050	0.0024	1	10/27/15 09:45	10/27/15 17:39	7439-96-5	
Nickel	0.0044J	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 17:39	7440-02-0	B
Selenium	<0.0058	mg/L	0.015	0.0058	1	10/27/15 09:45	10/27/15 17:39	7782-49-2	
Silver	<0.0011	mg/L	0.0070	0.0011	1	10/27/15 09:45	10/27/15 17:39	7440-22-4	
Zinc	0.0040J	mg/L	0.050	0.0026	1	10/27/15 09:45	10/27/15 17:39	7440-66-6	B

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/25/15 00:00

Arsenic	0.0045J	mg/L	0.050	0.0045	1	10/27/15 09:45	10/27/15 16:42	7440-38-2	B
Barium	0.28	mg/L	0.25	0.00052	1	10/27/15 09:45	10/27/15 16:42	7440-39-3	
Beryllium	<0.00017	mg/L	0.0050	0.00017	1	10/27/15 09:45	10/27/15 16:42	7440-41-7	
Cadmium	0.0028J	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 16:42	7440-43-9	B

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-8 (0-5)-101415 Lab ID: 40122890008 Collected: 10/14/15 13:15 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/25/15 00:00									
Chromium	0.0025J	mg/L	0.010	0.00096	1	10/27/15 09:45	10/27/15 16:42	7440-47-3	B
Cobalt	0.0013J	mg/L	0.010	0.00080	1	10/27/15 09:45	10/27/15 16:42	7440-48-4	
Copper	0.013J	mg/L	0.020	0.00083	1	10/27/15 09:45	10/28/15 11:59	7440-50-8	B
Iron	0.015J	mg/L	0.10	0.0090	1	10/27/15 09:45	10/28/15 11:59	7439-89-6	B
Lead	<0.0019	mg/L	0.050	0.0019	1	10/27/15 09:45	10/27/15 16:42	7439-92-1	
Manganese	1.0	mg/L	0.010	0.0024	1	10/27/15 09:45	10/27/15 16:42	7439-96-5	
Nickel	0.014	mg/L	0.010	0.00056	1	10/27/15 09:45	10/27/15 16:42	7440-02-0	B
Selenium	0.010J	mg/L	0.050	0.0058	1	10/27/15 09:45	10/27/15 16:42	7782-49-2	B
Silver	<0.0011	mg/L	0.010	0.0011	1	10/27/15 09:45	10/27/15 16:42	7440-22-4	
Zinc	0.080J	mg/L	0.25	0.0026	1	10/27/15 09:45	10/27/15 16:42	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/25/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/27/15 12:00	10/27/15 16:18	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/25/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/27/15 12:00	10/27/15 15:22	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.017J	mg/kg	0.045	0.0023	1	10/19/15 10:00	10/19/15 15:32	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<63.6	ug/kg	212	63.6	1	10/16/15 13:41	10/20/15 16:29	83-32-9	
Acenaphthylene	<64.0	ug/kg	213	64.0	1	10/16/15 13:41	10/20/15 16:29	208-96-8	
Anthracene	<28.7	ug/kg	95.5	28.7	1	10/16/15 13:41	10/20/15 16:29	120-12-7	
Benzo(a)anthracene	108	ug/kg	92.6	27.8	1	10/16/15 13:41	10/20/15 16:29	56-55-3	
Benzo(a)pyrene	125	ug/kg	89.9	27.0	1	10/16/15 13:41	10/20/15 16:29	50-32-8	
Benzo(b)fluoranthene	147	ug/kg	103	30.8	1	10/16/15 13:41	10/20/15 16:29	205-99-2	
Benzo(g,h,i)perylene	130J	ug/kg	156	46.9	1	10/16/15 13:41	10/20/15 16:29	191-24-2	
Benzo(k)fluoranthene	116J	ug/kg	143	42.9	1	10/16/15 13:41	10/20/15 16:29	207-08-9	
4-Bromophenylphenyl ether	<37.5	ug/kg	125	37.5	1	10/16/15 13:41	10/20/15 16:29	101-55-3	
Butylbenzylphthalate	<28.7	ug/kg	95.8	28.7	1	10/16/15 13:41	10/20/15 16:29	85-68-7	
Carbazole	<28.1	ug/kg	93.6	28.1	1	10/16/15 13:41	10/20/15 16:29	86-74-8	
4-Chloro-3-methylphenol	<55.8	ug/kg	186	55.8	1	10/16/15 13:41	10/20/15 16:29	59-50-7	
4-Chloroaniline	<29.5	ug/kg	98.2	29.5	1	10/16/15 13:41	10/20/15 16:29	106-47-8	
bis(2-Chloroethoxy)methane	<48.3	ug/kg	161	48.3	1	10/16/15 13:41	10/20/15 16:29	111-91-1	
bis(2-Chloroethyl) ether	<56.0	ug/kg	187	56.0	1	10/16/15 13:41	10/20/15 16:29	111-44-4	
2-Chloronaphthalene	<23.0	ug/kg	76.7	23.0	1	10/16/15 13:41	10/20/15 16:29	91-58-7	
2-Chlorophenol	<44.7	ug/kg	149	44.7	1	10/16/15 13:41	10/20/15 16:29	95-57-8	
4-Chlorophenylphenyl ether	<33.4	ug/kg	111	33.4	1	10/16/15 13:41	10/20/15 16:29	7005-72-3	
Chrysene	153	ug/kg	89.4	26.8	1	10/16/15 13:41	10/20/15 16:29	218-01-9	
Dibenz(a,h)anthracene	<48.7	ug/kg	162	48.7	1	10/16/15 13:41	10/20/15 16:29	53-70-3	
Dibenzofuran	<21.7	ug/kg	72.3	21.7	1	10/16/15 13:41	10/20/15 16:29	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-8 (0-5)-101415 **Lab ID: 40122890008** Collected: 10/14/15 13:15 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<56.4	ug/kg	188	56.4	1	10/16/15 13:41	10/20/15 16:29	95-50-1	
1,3-Dichlorobenzene	<24.8	ug/kg	82.8	24.8	1	10/16/15 13:41	10/20/15 16:29	541-73-1	
1,4-Dichlorobenzene	<25.0	ug/kg	83.3	25.0	1	10/16/15 13:41	10/20/15 16:29	106-46-7	
3,3'-Dichlorobenzidine	<48.6	ug/kg	162	48.6	1	10/16/15 13:41	10/20/15 16:29	91-94-1	
2,4-Dichlorophenol	<47.9	ug/kg	160	47.9	1	10/16/15 13:41	10/20/15 16:29	120-83-2	
Diethylphthalate	<29.7	ug/kg	99.1	29.7	1	10/16/15 13:41	10/20/15 16:29	84-66-2	
2,4-Dimethylphenol	<35.5	ug/kg	118	35.5	1	10/16/15 13:41	10/20/15 16:29	105-67-9	
Dimethylphthalate	<23.3	ug/kg	77.7	23.3	1	10/16/15 13:41	10/20/15 16:29	131-11-3	
Di-n-butylphthalate	<26.8	ug/kg	89.3	26.8	1	10/16/15 13:41	10/20/15 16:29	84-74-2	
4,6-Dinitro-2-methylphenol	<55.3	ug/kg	184	55.3	1	10/16/15 13:41	10/20/15 16:29	534-52-1	
2,4-Dinitrophenol	<54.6	ug/kg	182	54.6	1	10/16/15 13:41	10/20/15 16:29	51-28-5	
2,4-Dinitrotoluene	<25.6	ug/kg	85.5	25.6	1	10/16/15 13:41	10/20/15 16:29	121-14-2	
2,6-Dinitrotoluene	<34.0	ug/kg	113	34.0	1	10/16/15 13:41	10/20/15 16:29	606-20-2	
Di-n-octylphthalate	<40.3	ug/kg	134	40.3	1	10/16/15 13:41	10/20/15 16:29	117-84-0	
bis(2-Ethylhexyl)phthalate	104	ug/kg	99.4	29.8	1	10/16/15 13:41	10/20/15 16:29	117-81-7	
Fluoranthene	151	ug/kg	84.6	25.4	1	10/16/15 13:41	10/20/15 16:29	206-44-0	
Fluorene	<21.0	ug/kg	69.8	21.0	1	10/16/15 13:41	10/20/15 16:29	86-73-7	
Hexachloro-1,3-butadiene	<45.7	ug/kg	152	45.7	1	10/16/15 13:41	10/20/15 16:29	87-68-3	
Hexachlorobenzene	<30.2	ug/kg	101	30.2	1	10/16/15 13:41	10/20/15 16:29	118-74-1	
Hexachlorocyclopentadiene	<42.4	ug/kg	141	42.4	1	10/16/15 13:41	10/20/15 16:29	77-47-4	
Hexachloroethane	<28.7	ug/kg	95.6	28.7	1	10/16/15 13:41	10/20/15 16:29	67-72-1	
Indeno(1,2,3-cd)pyrene	123J	ug/kg	129	38.8	1	10/16/15 13:41	10/20/15 16:29	193-39-5	
Isophorone	<27.6	ug/kg	91.9	27.6	1	10/16/15 13:41	10/20/15 16:29	78-59-1	
2-Methylnaphthalene	<46.6	ug/kg	155	46.6	1	10/16/15 13:41	10/20/15 16:29	91-57-6	
2-Methylphenol(o-Cresol)	<32.6	ug/kg	109	32.6	1	10/16/15 13:41	10/20/15 16:29	95-48-7	
3&4-Methylphenol(m&p Cresol)	<32.9	ug/kg	110	32.9	1	10/16/15 13:41	10/20/15 16:29		
Naphthalene	<62.7	ug/kg	209	62.7	1	10/16/15 13:41	10/20/15 16:29	91-20-3	
2-Nitroaniline	<51.1	ug/kg	170	51.1	1	10/16/15 13:41	10/20/15 16:29	88-74-4	
3-Nitroaniline	<30.5	ug/kg	102	30.5	1	10/16/15 13:41	10/20/15 16:29	99-09-2	
4-Nitroaniline	<74.4	ug/kg	248	74.4	1	10/16/15 13:41	10/20/15 16:29	100-01-6	
Nitrobenzene	<36.4	ug/kg	121	36.4	1	10/16/15 13:41	10/20/15 16:29	98-95-3	
2-Nitrophenol	<56.6	ug/kg	189	56.6	1	10/16/15 13:41	10/20/15 16:29	88-75-5	
4-Nitrophenol	<45.1	ug/kg	150	45.1	1	10/16/15 13:41	10/20/15 16:29	100-02-7	
N-Nitroso-di-n-propylamine	<28.4	ug/kg	94.8	28.4	1	10/16/15 13:41	10/20/15 16:29	621-64-7	
N-Nitrosodiphenylamine	<243	ug/kg	811	243	1	10/16/15 13:41	10/20/15 16:29	86-30-6	
2,2'-Oxybis(1-chloropropane)	<46.2	ug/kg	154	46.2	1	10/16/15 13:41	10/20/15 16:29	108-60-1	
Pentachlorophenol	<39.5	ug/kg	132	39.5	1	10/16/15 13:41	10/20/15 16:29	87-86-5	
Phenanthrene	94.3	ug/kg	76.7	23.0	1	10/16/15 13:41	10/20/15 16:29	85-01-8	
Phenol	<42.5	ug/kg	142	42.5	1	10/16/15 13:41	10/20/15 16:29	108-95-2	
Pyrene	306	ug/kg	132	39.7	1	10/16/15 13:41	10/20/15 16:29	129-00-0	
1,2,4-Trichlorobenzene	<20.3	ug/kg	67.6	20.3	1	10/16/15 13:41	10/20/15 16:29	120-82-1	
2,4,5-Trichlorophenol	<31.7	ug/kg	106	31.7	1	10/16/15 13:41	10/20/15 16:29	95-95-4	
2,4,6-Trichlorophenol	<27.3	ug/kg	91.1	27.3	1	10/16/15 13:41	10/20/15 16:29	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	59	%	45-130		1	10/16/15 13:41	10/20/15 16:29	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-8 (0-5)-101415 **Lab ID: 40122890008** Collected: 10/14/15 13:15 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	68	%	51-130		1	10/16/15 13:41	10/20/15 16:29	321-60-8	
Terphenyl-d14 (S)	133	%	37-134		1	10/16/15 13:41	10/20/15 16:29	1718-51-0	
Phenol-d6 (S)	75	%	36-130		1	10/16/15 13:41	10/20/15 16:29	13127-88-3	
2-Fluorophenol (S)	63	%	37-130		1	10/16/15 13:41	10/20/15 16:29	367-12-4	
2,4,6-Tribromophenol (S)	69	%	30-130		1	10/16/15 13:41	10/20/15 16:29	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.1	ug/kg	13.1	4.1	1	10/16/15 12:00	10/16/15 22:15	67-64-1	2q
Benzene	<1.1	ug/kg	3.3	1.1	1	10/16/15 12:00	10/16/15 22:15	71-43-2	
Bromodichloromethane	<0.72	ug/kg	3.3	0.72	1	10/16/15 12:00	10/16/15 22:15	75-27-4	
Bromoform	<0.56	ug/kg	3.3	0.56	1	10/16/15 12:00	10/16/15 22:15	75-25-2	
Bromomethane	<0.98	ug/kg	6.5	0.98	1	10/16/15 12:00	10/16/15 22:15	74-83-9	
2-Butanone (MEK)	<1.9	ug/kg	13.1	1.9	1	10/16/15 12:00	10/16/15 22:15	78-93-3	
Carbon disulfide	<0.85	ug/kg	3.3	0.85	1	10/16/15 12:00	10/16/15 22:15	75-15-0	
Carbon tetrachloride	<1.0	ug/kg	3.3	1.0	1	10/16/15 12:00	10/16/15 22:15	56-23-5	
Chlorobenzene	<1.0	ug/kg	3.3	1.0	1	10/16/15 12:00	10/16/15 22:15	108-90-7	
Chloroethane	<1.3	ug/kg	3.3	1.3	1	10/16/15 12:00	10/16/15 22:15	75-00-3	
Chloroform	<0.62	ug/kg	3.3	0.62	1	10/16/15 12:00	10/16/15 22:15	67-66-3	
Chloromethane	<0.37	ug/kg	3.3	0.37	1	10/16/15 12:00	10/16/15 22:15	74-87-3	
Dibromochloromethane	<1.1	ug/kg	3.3	1.1	1	10/16/15 12:00	10/16/15 22:15	124-48-1	
1,1-Dichloroethane	<1.6	ug/kg	3.3	1.6	1	10/16/15 12:00	10/16/15 22:15	75-34-3	
1,2-Dichloroethane	<0.64	ug/kg	3.3	0.64	1	10/16/15 12:00	10/16/15 22:15	107-06-2	
1,1-Dichloroethene	<1.5	ug/kg	3.3	1.5	1	10/16/15 12:00	10/16/15 22:15	75-35-4	
cis-1,2-Dichloroethene	<0.87	ug/kg	3.3	0.87	1	10/16/15 12:00	10/16/15 22:15	156-59-2	
trans-1,2-Dichloroethene	<0.81	ug/kg	3.3	0.81	1	10/16/15 12:00	10/16/15 22:15	156-60-5	
1,2-Dichloropropane	<0.83	ug/kg	3.3	0.83	1	10/16/15 12:00	10/16/15 22:15	78-87-5	
cis-1,3-Dichloropropene	<0.44	ug/kg	3.3	0.44	1	10/16/15 12:00	10/16/15 22:15	10061-01-5	
trans-1,3-Dichloropropene	<0.61	ug/kg	3.3	0.61	1	10/16/15 12:00	10/16/15 22:15	10061-02-6	
Ethylbenzene	<0.94	ug/kg	3.3	0.94	1	10/16/15 12:00	10/16/15 22:15	100-41-4	
2-Hexanone	<0.97	ug/kg	3.3	0.97	1	10/16/15 12:00	10/16/15 22:15	591-78-6	
Methylene Chloride	<1.2	ug/kg	3.3	1.2	1	10/16/15 12:00	10/16/15 22:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.80	ug/kg	3.3	0.80	1	10/16/15 12:00	10/16/15 22:15	108-10-1	
Methyl-tert-butyl ether	<0.66	ug/kg	3.3	0.66	1	10/16/15 12:00	10/16/15 22:15	1634-04-4	
Styrene	<0.50	ug/kg	3.3	0.50	1	10/16/15 12:00	10/16/15 22:15	100-42-5	
1,1,2,2-Tetrachloroethane	<1.4	ug/kg	3.3	1.4	1	10/16/15 12:00	10/16/15 22:15	79-34-5	
Tetrachloroethene	<1.0	ug/kg	3.3	1.0	1	10/16/15 12:00	10/16/15 22:15	127-18-4	
Toluene	<0.97	ug/kg	3.3	0.97	1	10/16/15 12:00	10/16/15 22:15	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/kg	3.3	1.0	1	10/16/15 12:00	10/16/15 22:15	71-55-6	
1,1,2-Trichloroethane	<1.3	ug/kg	3.3	1.3	1	10/16/15 12:00	10/16/15 22:15	79-00-5	
Trichloroethene	<1.3	ug/kg	3.3	1.3	1	10/16/15 12:00	10/16/15 22:15	79-01-6	
Vinyl chloride	<0.36	ug/kg	3.3	0.36	1	10/16/15 12:00	10/16/15 22:15	75-01-4	
Xylene (Total)	<2.9	ug/kg	9.8	2.9	1	10/16/15 12:00	10/16/15 22:15	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	105	%	70-130		1	10/16/15 12:00	10/16/15 22:15	1868-53-7	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-8 (0-5)-101415 **Lab ID: 40122890008** Collected: 10/14/15 13:15 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	100	%	67-138		1	10/16/15 12:00	10/16/15 22:15	2037-26-5	
4-Bromofluorobenzene (S)	97	%	68-130		1	10/16/15 12:00	10/16/15 22:15	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	6.9	%	0.10	0.10	1		10/15/15 14:33		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.39	Std. Units	0.100	0.0100	1		10/16/15 17:00		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-8 (5-9)-101415 Lab ID: 40122890009 Collected: 10/14/15 13:30 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Red. Interference									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.23	mg/kg	0.74	0.23	1	10/19/15 16:30	10/20/15 18:24	7440-36-0	
Arsenic	2.3	mg/kg	0.74	0.29	1	10/19/15 16:30	10/20/15 18:24	7440-38-2	
Barium	16.8	mg/kg	1.5	0.084	2	10/19/15 16:30	10/21/15 14:57	7440-39-3	
Beryllium	0.071J	mg/kg	0.074	0.0086	1	10/19/15 16:30	10/20/15 18:24	7440-41-7	B
Cadmium	0.19J	mg/kg	0.37	0.017	1	10/19/15 16:30	10/20/15 18:24	7440-43-9	B
Calcium	169000	mg/kg	22.3	2.4	3	10/19/15 16:30	10/21/15 15:47	7440-70-2	
Chromium	13.2	mg/kg	0.37	0.046	1	10/19/15 16:30	10/20/15 18:24	7440-47-3	
Cobalt	1.4	mg/kg	0.37	0.034	1	10/19/15 16:30	10/20/15 18:24	7440-48-4	
Copper	9.9	mg/kg	0.74	0.16	1	10/19/15 16:30	10/20/15 18:24	7440-50-8	
Iron	4710	mg/kg	3.7	0.33	1	10/19/15 16:30	10/20/15 18:24	7439-89-6	
Lead	12.0	mg/kg	0.74	0.15	1	10/19/15 16:30	10/20/15 18:24	7439-92-1	
Magnesium	103000	mg/kg	7.4	1.3	2	10/19/15 16:30	10/21/15 14:57	7439-95-4	
Manganese	219	mg/kg	0.37	0.050	1	10/19/15 16:30	10/20/15 18:24	7439-96-5	
Nickel	4.2	mg/kg	0.37	0.063	1	10/19/15 16:30	10/20/15 18:24	7440-02-0	
Potassium	950	mg/kg	112	11.2	3	10/19/15 16:30	10/21/15 15:47	7440-09-7	
Selenium	<0.67	mg/kg	2.2	0.67	2	10/19/15 16:30	10/21/15 14:57	7782-49-2	D3
Silver	<0.077	mg/kg	0.52	0.077	1	10/19/15 16:30	10/20/15 18:24	7440-22-4	
Sodium	289	mg/kg	37.2	1.2	1	10/19/15 16:30	10/20/15 18:24	7440-23-5	
Thallium	<0.23	mg/kg	1.5	0.23	1	10/19/15 16:30	10/20/15 18:24	7440-28-0	
Vanadium	8.8	mg/kg	0.74	0.080	1	10/19/15 16:30	10/20/15 18:24	7440-62-2	
Zinc	26.4	mg/kg	14.9	0.84	2	10/19/15 16:30	10/21/15 14:57	7440-66-6	
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 10/25/15 00:00									
Arsenic	<0.0045	mg/L	0.010	0.0045	1	10/27/15 09:45	10/28/15 12:59	7440-38-2	
Barium	0.0097J	mg/L	0.10	0.00052	1	10/27/15 09:45	10/28/15 12:59	7440-39-3	B
Beryllium	<0.00017	mg/L	0.0010	0.00017	1	10/27/15 09:45	10/27/15 17:41	7440-41-7	
Cadmium	<0.00056	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/28/15 12:59	7440-43-9	
Chromium	0.0015J	mg/L	0.0050	0.00096	1	10/27/15 09:45	10/27/15 17:41	7440-47-3	
Cobalt	<0.00080	mg/L	0.0050	0.00080	1	10/27/15 09:45	10/27/15 17:41	7440-48-4	
Copper	0.010	mg/L	0.010	0.00083	1	10/27/15 09:45	10/28/15 12:59	7440-50-8	B
Iron	0.52	mg/L	0.050	0.0090	1	10/27/15 09:45	10/28/15 12:59	7439-89-6	
Lead	<0.0019	mg/L	0.0050	0.0019	1	10/27/15 09:45	10/27/15 17:41	7439-92-1	
Manganese	0.0075	mg/L	0.0050	0.0024	1	10/27/15 09:45	10/27/15 17:41	7439-96-5	
Nickel	0.0021J	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 17:41	7440-02-0	B
Selenium	<0.0058	mg/L	0.015	0.0058	1	10/27/15 09:45	10/27/15 17:41	7782-49-2	
Silver	<0.0011	mg/L	0.0070	0.0011	1	10/27/15 09:45	10/27/15 17:41	7440-22-4	
Zinc	0.0066J	mg/L	0.050	0.0026	1	10/27/15 09:45	10/27/15 17:41	7440-66-6	B
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/25/15 00:00									
Arsenic	0.0092J	mg/L	0.050	0.0045	1	10/27/15 09:45	10/27/15 16:44	7440-38-2	B
Barium	0.28	mg/L	0.25	0.00052	1	10/27/15 09:45	10/27/15 16:44	7440-39-3	
Beryllium	<0.00017	mg/L	0.0050	0.00017	1	10/27/15 09:45	10/27/15 16:44	7440-41-7	
Cadmium	0.0026J	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 16:44	7440-43-9	B

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-8 (5-9)-101415 Lab ID: 40122890009 Collected: 10/14/15 13:30 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/25/15 00:00									
Chromium	0.0020J	mg/L	0.010	0.00096	1	10/27/15 09:45	10/27/15 16:44	7440-47-3	B
Cobalt	0.011	mg/L	0.010	0.00080	1	10/27/15 09:45	10/27/15 16:44	7440-48-4	
Copper	0.011J	mg/L	0.020	0.00083	1	10/27/15 09:45	10/28/15 12:02	7440-50-8	B
Iron	0.038J	mg/L	0.10	0.0090	1	10/27/15 09:45	10/28/15 12:02	7439-89-6	B
Lead	0.0019J	mg/L	0.050	0.0019	1	10/27/15 09:45	10/27/15 16:44	7439-92-1	
Manganese	1.8	mg/L	0.010	0.0024	1	10/27/15 09:45	10/27/15 16:44	7439-96-5	
Nickel	0.019	mg/L	0.010	0.00056	1	10/27/15 09:45	10/27/15 16:44	7440-02-0	B
Selenium	0.0090J	mg/L	0.050	0.0058	1	10/27/15 09:45	10/27/15 16:44	7782-49-2	B
Silver	<0.0011	mg/L	0.010	0.0011	1	10/27/15 09:45	10/27/15 16:44	7440-22-4	
Zinc	0.16J	mg/L	0.25	0.0026	1	10/27/15 09:45	10/27/15 16:44	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/25/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/27/15 12:00	10/27/15 16:20	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/25/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/27/15 12:00	10/27/15 15:24	7439-97-6	M1
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.0060J	mg/kg	0.042	0.0022	1	10/19/15 10:00	10/19/15 16:21	7439-97-6	M1, R1
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<63.4	ug/kg	211	63.4	1	10/16/15 13:41	10/20/15 17:01	83-32-9	
Acenaphthylene	<63.8	ug/kg	213	63.8	1	10/16/15 13:41	10/20/15 17:01	208-96-8	
Anthracene	<28.6	ug/kg	95.3	28.6	1	10/16/15 13:41	10/20/15 17:01	120-12-7	
Benzo(a)anthracene	104	ug/kg	92.3	27.7	1	10/16/15 13:41	10/20/15 17:01	56-55-3	
Benzo(a)pyrene	136	ug/kg	89.7	26.9	1	10/16/15 13:41	10/20/15 17:01	50-32-8	
Benzo(b)fluoranthene	143	ug/kg	102	30.7	1	10/16/15 13:41	10/20/15 17:01	205-99-2	
Benzo(g,h,i)perylene	139J	ug/kg	156	46.8	1	10/16/15 13:41	10/20/15 17:01	191-24-2	
Benzo(k)fluoranthene	137J	ug/kg	143	42.8	1	10/16/15 13:41	10/20/15 17:01	207-08-9	
4-Bromophenylphenyl ether	<37.5	ug/kg	125	37.5	1	10/16/15 13:41	10/20/15 17:01	101-55-3	
Butylbenzylphthalate	<28.7	ug/kg	95.6	28.7	1	10/16/15 13:41	10/20/15 17:01	85-68-7	
Carbazole	<28.0	ug/kg	93.4	28.0	1	10/16/15 13:41	10/20/15 17:01	86-74-8	
4-Chloro-3-methylphenol	<55.7	ug/kg	186	55.7	1	10/16/15 13:41	10/20/15 17:01	59-50-7	
4-Chloroaniline	<29.4	ug/kg	98.0	29.4	1	10/16/15 13:41	10/20/15 17:01	106-47-8	
bis(2-Chloroethoxy)methane	<48.2	ug/kg	161	48.2	1	10/16/15 13:41	10/20/15 17:01	111-91-1	
bis(2-Chloroethyl) ether	<55.8	ug/kg	186	55.8	1	10/16/15 13:41	10/20/15 17:01	111-44-4	
2-Chloronaphthalene	<23.0	ug/kg	76.6	23.0	1	10/16/15 13:41	10/20/15 17:01	91-58-7	
2-Chlorophenol	<44.7	ug/kg	149	44.7	1	10/16/15 13:41	10/20/15 17:01	95-57-8	
4-Chlorophenylphenyl ether	<33.3	ug/kg	111	33.3	1	10/16/15 13:41	10/20/15 17:01	7005-72-3	
Chrysene	135	ug/kg	89.2	26.7	1	10/16/15 13:41	10/20/15 17:01	218-01-9	
Dibenz(a,h)anthracene	55.7J	ug/kg	162	48.6	1	10/16/15 13:41	10/20/15 17:01	53-70-3	
Dibenzofuran	<21.7	ug/kg	72.2	21.7	1	10/16/15 13:41	10/20/15 17:01	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-8 (5-9)-101415 Lab ID: 40122890009 Collected: 10/14/15 13:30 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<56.2	ug/kg	187	56.2	1	10/16/15 13:41	10/20/15 17:01	95-50-1	
1,3-Dichlorobenzene	<24.8	ug/kg	82.6	24.8	1	10/16/15 13:41	10/20/15 17:01	541-73-1	
1,4-Dichlorobenzene	<24.9	ug/kg	83.1	24.9	1	10/16/15 13:41	10/20/15 17:01	106-46-7	
3,3'-Dichlorobenzidine	<48.5	ug/kg	162	48.5	1	10/16/15 13:41	10/20/15 17:01	91-94-1	
2,4-Dichlorophenol	<47.8	ug/kg	159	47.8	1	10/16/15 13:41	10/20/15 17:01	120-83-2	
Diethylphthalate	<29.7	ug/kg	98.9	29.7	1	10/16/15 13:41	10/20/15 17:01	84-66-2	
2,4-Dimethylphenol	<35.4	ug/kg	118	35.4	1	10/16/15 13:41	10/20/15 17:01	105-67-9	
Dimethylphthalate	<23.3	ug/kg	77.6	23.3	1	10/16/15 13:41	10/20/15 17:01	131-11-3	
Di-n-butylphthalate	<26.7	ug/kg	89.1	26.7	1	10/16/15 13:41	10/20/15 17:01	84-74-2	
4,6-Dinitro-2-methylphenol	<55.1	ug/kg	184	55.1	1	10/16/15 13:41	10/20/15 17:01	534-52-1	
2,4-Dinitrophenol	<54.5	ug/kg	182	54.5	1	10/16/15 13:41	10/20/15 17:01	51-28-5	
2,4-Dinitrotoluene	<25.6	ug/kg	85.3	25.6	1	10/16/15 13:41	10/20/15 17:01	121-14-2	
2,6-Dinitrotoluene	<34.0	ug/kg	113	34.0	1	10/16/15 13:41	10/20/15 17:01	606-20-2	
Di-n-octylphthalate	260	ug/kg	134	40.2	1	10/16/15 13:41	10/20/15 17:01	117-84-0	
bis(2-Ethylhexyl)phthalate	1170	ug/kg	99.2	29.7	1	10/16/15 13:41	10/20/15 17:01	117-81-7	
Fluoranthene	145	ug/kg	84.4	25.3	1	10/16/15 13:41	10/20/15 17:01	206-44-0	
Fluorene	<20.9	ug/kg	69.7	20.9	1	10/16/15 13:41	10/20/15 17:01	86-73-7	
Hexachloro-1,3-butadiene	<45.6	ug/kg	152	45.6	1	10/16/15 13:41	10/20/15 17:01	87-68-3	
Hexachlorobenzene	<30.1	ug/kg	100	30.1	1	10/16/15 13:41	10/20/15 17:01	118-74-1	
Hexachlorocyclopentadiene	<42.3	ug/kg	141	42.3	1	10/16/15 13:41	10/20/15 17:01	77-47-4	
Hexachloroethane	<28.6	ug/kg	95.4	28.6	1	10/16/15 13:41	10/20/15 17:01	67-72-1	
Indeno(1,2,3-cd)pyrene	128J	ug/kg	129	38.7	1	10/16/15 13:41	10/20/15 17:01	193-39-5	
Isophorone	<27.5	ug/kg	91.7	27.5	1	10/16/15 13:41	10/20/15 17:01	78-59-1	
2-Methylnaphthalene	<46.5	ug/kg	155	46.5	1	10/16/15 13:41	10/20/15 17:01	91-57-6	
2-Methylphenol(o-Cresol)	<32.5	ug/kg	108	32.5	1	10/16/15 13:41	10/20/15 17:01	95-48-7	
3&4-Methylphenol(m&p Cresol)	<32.8	ug/kg	109	32.8	1	10/16/15 13:41	10/20/15 17:01		
Naphthalene	<62.6	ug/kg	209	62.6	1	10/16/15 13:41	10/20/15 17:01	91-20-3	
2-Nitroaniline	<51.0	ug/kg	170	51.0	1	10/16/15 13:41	10/20/15 17:01	88-74-4	
3-Nitroaniline	<30.4	ug/kg	101	30.4	1	10/16/15 13:41	10/20/15 17:01	99-09-2	
4-Nitroaniline	<74.2	ug/kg	247	74.2	1	10/16/15 13:41	10/20/15 17:01	100-01-6	
Nitrobenzene	<36.3	ug/kg	121	36.3	1	10/16/15 13:41	10/20/15 17:01	98-95-3	
2-Nitrophenol	<56.5	ug/kg	188	56.5	1	10/16/15 13:41	10/20/15 17:01	88-75-5	
4-Nitrophenol	<45.0	ug/kg	150	45.0	1	10/16/15 13:41	10/20/15 17:01	100-02-7	
N-Nitroso-di-n-propylamine	<28.4	ug/kg	94.6	28.4	1	10/16/15 13:41	10/20/15 17:01	621-64-7	
N-Nitrosodiphenylamine	<243	ug/kg	809	243	1	10/16/15 13:41	10/20/15 17:01	86-30-6	
2,2'-Oxybis(1-chloropropane)	<46.1	ug/kg	154	46.1	1	10/16/15 13:41	10/20/15 17:01	108-60-1	
Pentachlorophenol	<39.4	ug/kg	131	39.4	1	10/16/15 13:41	10/20/15 17:01	87-86-5	
Phenanthrene	101	ug/kg	76.5	23.0	1	10/16/15 13:41	10/20/15 17:01	85-01-8	
Phenol	<42.5	ug/kg	142	42.5	1	10/16/15 13:41	10/20/15 17:01	108-95-2	
Pyrene	370	ug/kg	132	39.7	1	10/16/15 13:41	10/20/15 17:01	129-00-0	
1,2,4-Trichlorobenzene	<20.2	ug/kg	67.4	20.2	1	10/16/15 13:41	10/20/15 17:01	120-82-1	
2,4,5-Trichlorophenol	<31.6	ug/kg	105	31.6	1	10/16/15 13:41	10/20/15 17:01	95-95-4	
2,4,6-Trichlorophenol	<27.3	ug/kg	90.9	27.3	1	10/16/15 13:41	10/20/15 17:01	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	50	%	45-130		1	10/16/15 13:41	10/20/15 17:01	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-8 (5-9)-101415 **Lab ID: 40122890009** Collected: 10/14/15 13:30 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

2-Fluorobiphenyl (S)	59	%	51-130		1	10/16/15 13:41	10/20/15 17:01	321-60-8	
Terphenyl-d14 (S)	127	%	37-134		1	10/16/15 13:41	10/20/15 17:01	1718-51-0	
Phenol-d6 (S)	65	%	36-130		1	10/16/15 13:41	10/20/15 17:01	13127-88-3	
2-Fluorophenol (S)	54	%	37-130		1	10/16/15 13:41	10/20/15 17:01	367-12-4	
2,4,6-Tribromophenol (S)	57	%	30-130		1	10/16/15 13:41	10/20/15 17:01	118-79-6	

8260 MSV 5035 Low Level

Analytical Method: EPA 8260 Preparation Method: EPA 8260

Acetone	<4.7	ug/kg	15.1	4.7	1	10/16/15 12:00	10/16/15 22:38	67-64-1	2q
Benzene	<1.2	ug/kg	3.8	1.2	1	10/16/15 12:00	10/16/15 22:38	71-43-2	
Bromodichloromethane	<0.83	ug/kg	3.8	0.83	1	10/16/15 12:00	10/16/15 22:38	75-27-4	
Bromoform	<0.64	ug/kg	3.8	0.64	1	10/16/15 12:00	10/16/15 22:38	75-25-2	
Bromomethane	<1.1	ug/kg	7.6	1.1	1	10/16/15 12:00	10/16/15 22:38	74-83-9	
2-Butanone (MEK)	<2.1	ug/kg	15.1	2.1	1	10/16/15 12:00	10/16/15 22:38	78-93-3	
Carbon disulfide	<0.98	ug/kg	3.8	0.98	1	10/16/15 12:00	10/16/15 22:38	75-15-0	
Carbon tetrachloride	<1.2	ug/kg	3.8	1.2	1	10/16/15 12:00	10/16/15 22:38	56-23-5	
Chlorobenzene	<1.2	ug/kg	3.8	1.2	1	10/16/15 12:00	10/16/15 22:38	108-90-7	
Chloroethane	<1.5	ug/kg	3.8	1.5	1	10/16/15 12:00	10/16/15 22:38	75-00-3	
Chloroform	<0.72	ug/kg	3.8	0.72	1	10/16/15 12:00	10/16/15 22:38	67-66-3	
Chloromethane	<0.42	ug/kg	3.8	0.42	1	10/16/15 12:00	10/16/15 22:38	74-87-3	
Dibromochloromethane	<1.3	ug/kg	3.8	1.3	1	10/16/15 12:00	10/16/15 22:38	124-48-1	
1,1-Dichloroethane	<1.8	ug/kg	3.8	1.8	1	10/16/15 12:00	10/16/15 22:38	75-34-3	
1,2-Dichloroethane	<0.74	ug/kg	3.8	0.74	1	10/16/15 12:00	10/16/15 22:38	107-06-2	
1,1-Dichloroethene	<1.7	ug/kg	3.8	1.7	1	10/16/15 12:00	10/16/15 22:38	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/kg	3.8	1.0	1	10/16/15 12:00	10/16/15 22:38	156-59-2	
trans-1,2-Dichloroethene	<0.93	ug/kg	3.8	0.93	1	10/16/15 12:00	10/16/15 22:38	156-60-5	
1,2-Dichloropropane	<0.95	ug/kg	3.8	0.95	1	10/16/15 12:00	10/16/15 22:38	78-87-5	
cis-1,3-Dichloropropene	<0.50	ug/kg	3.8	0.50	1	10/16/15 12:00	10/16/15 22:38	10061-01-5	
trans-1,3-Dichloropropene	<0.70	ug/kg	3.8	0.70	1	10/16/15 12:00	10/16/15 22:38	10061-02-6	
Ethylbenzene	<1.1	ug/kg	3.8	1.1	1	10/16/15 12:00	10/16/15 22:38	100-41-4	
2-Hexanone	<1.1	ug/kg	3.8	1.1	1	10/16/15 12:00	10/16/15 22:38	591-78-6	
Methylene Chloride	<1.4	ug/kg	3.8	1.4	1	10/16/15 12:00	10/16/15 22:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.93	ug/kg	3.8	0.93	1	10/16/15 12:00	10/16/15 22:38	108-10-1	
Methyl-tert-butyl ether	<0.76	ug/kg	3.8	0.76	1	10/16/15 12:00	10/16/15 22:38	1634-04-4	
Styrene	<0.57	ug/kg	3.8	0.57	1	10/16/15 12:00	10/16/15 22:38	100-42-5	
1,1,2,2-Tetrachloroethane	<1.6	ug/kg	3.8	1.6	1	10/16/15 12:00	10/16/15 22:38	79-34-5	
Tetrachloroethene	<1.2	ug/kg	3.8	1.2	1	10/16/15 12:00	10/16/15 22:38	127-18-4	
Toluene	<1.1	ug/kg	3.8	1.1	1	10/16/15 12:00	10/16/15 22:38	108-88-3	
1,1,1-Trichloroethane	<1.2	ug/kg	3.8	1.2	1	10/16/15 12:00	10/16/15 22:38	71-55-6	
1,1,2-Trichloroethane	<1.4	ug/kg	3.8	1.4	1	10/16/15 12:00	10/16/15 22:38	79-00-5	
Trichloroethene	<1.5	ug/kg	3.8	1.5	1	10/16/15 12:00	10/16/15 22:38	79-01-6	
Vinyl chloride	<0.41	ug/kg	3.8	0.41	1	10/16/15 12:00	10/16/15 22:38	75-01-4	
Xylene (Total)	<3.4	ug/kg	11.3	3.4	1	10/16/15 12:00	10/16/15 22:38	1330-20-7	

Surrogates

Dibromofluoromethane (S)	103	%	70-130		1	10/16/15 12:00	10/16/15 22:38	1868-53-7	
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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-8 (5-9)-101415 **Lab ID: 40122890009** Collected: 10/14/15 13:30 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	102	%	67-138		1	10/16/15 12:00	10/16/15 22:38	2037-26-5	
4-Bromofluorobenzene (S)	91	%	68-130		1	10/16/15 12:00	10/16/15 22:38	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	6.7	%	0.10	0.10	1		10/15/15 14:33		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.36	Std. Units	0.100	0.0100	1		10/16/15 17:00		H6

Revised 11/05/15 16:33

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-7 (0-5)-101415 Lab ID: 40122890010 Collected: 10/14/15 14:15 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Red. Interference Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.28	mg/kg	0.91	0.28	1	10/19/15 16:30	10/20/15 18:26	7440-36-0	
Arsenic	7.3	mg/kg	0.91	0.36	1	10/19/15 16:30	10/20/15 18:26	7440-38-2	
Barium	92.4	mg/kg	0.91	0.051	1	10/19/15 16:30	10/21/15 14:59	7440-39-3	
Beryllium	0.64	mg/kg	0.091	0.010	1	10/19/15 16:30	10/20/15 18:26	7440-41-7	
Cadmium	0.28J	mg/kg	0.45	0.021	1	10/19/15 16:30	10/20/15 18:26	7440-43-9	B
Calcium	28500	mg/kg	9.1	0.99	1	10/19/15 16:30	10/20/15 18:26	7440-70-2	
Chromium	18.1	mg/kg	0.45	0.057	1	10/19/15 16:30	10/20/15 18:26	7440-47-3	
Cobalt	7.5	mg/kg	0.45	0.041	1	10/19/15 16:30	10/20/15 18:26	7440-48-4	
Copper	24.0	mg/kg	0.91	0.20	1	10/19/15 16:30	10/20/15 18:26	7440-50-8	
Iron	17000	mg/kg	4.5	0.40	1	10/19/15 16:30	10/20/15 18:26	7439-89-6	
Lead	42.3	mg/kg	0.91	0.18	1	10/19/15 16:30	10/20/15 18:26	7439-92-1	
Magnesium	18800	mg/kg	4.5	0.79	1	10/19/15 16:30	10/20/15 18:26	7439-95-4	
Manganese	619	mg/kg	0.45	0.061	1	10/19/15 16:30	10/20/15 18:26	7439-96-5	
Nickel	15.5	mg/kg	0.45	0.077	1	10/19/15 16:30	10/20/15 18:26	7440-02-0	
Potassium	2070	mg/kg	45.3	4.5	1	10/19/15 16:30	10/20/15 18:26	7440-09-7	
Selenium	<0.41	mg/kg	1.4	0.41	1	10/19/15 16:30	10/20/15 18:26	7782-49-2	
Silver	<0.094	mg/kg	0.63	0.094	1	10/19/15 16:30	10/20/15 18:26	7440-22-4	
Sodium	750	mg/kg	45.3	1.4	1	10/19/15 16:30	10/20/15 18:26	7440-23-5	
Thallium	<0.28	mg/kg	1.8	0.28	1	10/19/15 16:30	10/20/15 18:26	7440-28-0	
Vanadium	30.7	mg/kg	0.91	0.097	1	10/19/15 16:30	10/20/15 18:26	7440-62-2	
Zinc	66.9	mg/kg	9.1	0.51	1	10/19/15 16:30	10/20/15 18:26	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/25/15 00:00

Arsenic	0.0060J	mg/L	0.010	0.0045	1	10/27/15 09:45	10/28/15 13:01	7440-38-2	
Barium	0.035J	mg/L	0.10	0.00052	1	10/27/15 09:45	10/28/15 13:01	7440-39-3	
Beryllium	0.00025J	mg/L	0.0010	0.00017	1	10/27/15 09:45	10/27/15 17:44	7440-41-7	
Cadmium	<0.00056	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/28/15 13:01	7440-43-9	
Chromium	0.0098	mg/L	0.0050	0.00096	1	10/27/15 09:45	10/27/15 17:44	7440-47-3	
Cobalt	0.0013J	mg/L	0.0050	0.00080	1	10/27/15 09:45	10/27/15 17:44	7440-48-4	B
Copper	0.010J	mg/L	0.010	0.00083	1	10/27/15 09:45	10/28/15 13:01	7440-50-8	B
Iron	5.3	mg/L	0.050	0.0090	1	10/27/15 09:45	10/28/15 13:01	7439-89-6	
Lead	0.0066	mg/L	0.0050	0.0019	1	10/27/15 09:45	10/27/15 17:44	7439-92-1	
Manganese	0.11	mg/L	0.0050	0.0024	1	10/27/15 09:45	10/27/15 17:44	7439-96-5	
Nickel	0.0064	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 17:44	7440-02-0	B
Selenium	<0.0058	mg/L	0.015	0.0058	1	10/27/15 09:45	10/27/15 17:44	7782-49-2	
Silver	<0.0011	mg/L	0.0070	0.0011	1	10/27/15 09:45	10/27/15 17:44	7440-22-4	
Zinc	0.027J	mg/L	0.050	0.0026	1	10/27/15 09:45	10/27/15 17:44	7440-66-6	B

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/25/15 00:00

Arsenic	0.0098J	mg/L	0.050	0.0045	1	10/27/15 09:45	10/27/15 16:47	7440-38-2	B
Barium	0.45	mg/L	0.25	0.00052	1	10/27/15 09:45	10/27/15 16:47	7440-39-3	
Beryllium	<0.00017	mg/L	0.0050	0.00017	1	10/27/15 09:45	10/27/15 16:47	7440-41-7	
Cadmium	0.0025J	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 16:47	7440-43-9	B

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-7 (0-5)-101415 Lab ID: 40122890010 Collected: 10/14/15 14:15 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/25/15 00:00									
Chromium	0.0012J	mg/L	0.010	0.00096	1	10/27/15 09:45	10/27/15 16:47	7440-47-3	B
Cobalt	<0.00080	mg/L	0.010	0.00080	1	10/27/15 09:45	10/27/15 16:47	7440-48-4	
Copper	0.016J	mg/L	0.020	0.00083	1	10/27/15 09:45	10/28/15 12:04	7440-50-8	B
Iron	0.029J	mg/L	0.10	0.0090	1	10/27/15 09:45	10/28/15 12:04	7439-89-6	B
Lead	0.0054J	mg/L	0.050	0.0019	1	10/27/15 09:45	10/27/15 16:47	7439-92-1	
Manganese	0.58	mg/L	0.010	0.0024	1	10/27/15 09:45	10/27/15 16:47	7439-96-5	
Nickel	0.0094J	mg/L	0.010	0.00056	1	10/27/15 09:45	10/27/15 16:47	7440-02-0	B
Selenium	0.0077J	mg/L	0.050	0.0058	1	10/27/15 09:45	10/27/15 16:47	7782-49-2	B
Silver	<0.0011	mg/L	0.010	0.0011	1	10/27/15 09:45	10/27/15 16:47	7440-22-4	
Zinc	0.064J	mg/L	0.25	0.0026	1	10/27/15 09:45	10/27/15 16:47	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/25/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/27/15 12:00	10/27/15 16:22	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/25/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/27/15 12:00	10/27/15 15:31	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.017J	mg/kg	0.050	0.0026	1	10/19/15 10:00	10/19/15 16:27	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<67.6	ug/kg	225	67.6	1	10/16/15 13:41	10/20/15 14:51	83-32-9	
Acenaphthylene	<68.0	ug/kg	227	68.0	1	10/16/15 13:41	10/20/15 14:51	208-96-8	
Anthracene	<30.5	ug/kg	102	30.5	1	10/16/15 13:41	10/20/15 14:51	120-12-7	
Benzo(a)anthracene	48.2J	ug/kg	98.4	29.5	1	10/16/15 13:41	10/20/15 14:51	56-55-3	
Benzo(a)pyrene	59.6J	ug/kg	95.6	28.7	1	10/16/15 13:41	10/20/15 14:51	50-32-8	
Benzo(b)fluoranthene	47.7J	ug/kg	109	32.8	1	10/16/15 13:41	10/20/15 14:51	205-99-2	
Benzo(g,h,i)perylene	60.0J	ug/kg	166	49.9	1	10/16/15 13:41	10/20/15 14:51	191-24-2	
Benzo(k)fluoranthene	53.2J	ug/kg	152	45.6	1	10/16/15 13:41	10/20/15 14:51	207-08-9	
4-Bromophenylphenyl ether	<39.9	ug/kg	133	39.9	1	10/16/15 13:41	10/20/15 14:51	101-55-3	
Butylbenzylphthalate	<30.6	ug/kg	102	30.6	1	10/16/15 13:41	10/20/15 14:51	85-68-7	
Carbazole	<29.8	ug/kg	99.5	29.8	1	10/16/15 13:41	10/20/15 14:51	86-74-8	
4-Chloro-3-methylphenol	<59.3	ug/kg	198	59.3	1	10/16/15 13:41	10/20/15 14:51	59-50-7	
4-Chloroaniline	<31.3	ug/kg	104	31.3	1	10/16/15 13:41	10/20/15 14:51	106-47-8	
bis(2-Chloroethoxy)methane	<51.3	ug/kg	171	51.3	1	10/16/15 13:41	10/20/15 14:51	111-91-1	
bis(2-Chloroethyl) ether	<59.5	ug/kg	198	59.5	1	10/16/15 13:41	10/20/15 14:51	111-44-4	
2-Chloronaphthalene	<24.5	ug/kg	81.6	24.5	1	10/16/15 13:41	10/20/15 14:51	91-58-7	
2-Chlorophenol	<47.6	ug/kg	159	47.6	1	10/16/15 13:41	10/20/15 14:51	95-57-8	
4-Chlorophenylphenyl ether	<35.5	ug/kg	118	35.5	1	10/16/15 13:41	10/20/15 14:51	7005-72-3	
Chrysene	55.8J	ug/kg	95.0	28.5	1	10/16/15 13:41	10/20/15 14:51	218-01-9	
Dibenz(a,h)anthracene	<51.8	ug/kg	173	51.8	1	10/16/15 13:41	10/20/15 14:51	53-70-3	
Dibenzofuran	<23.1	ug/kg	76.9	23.1	1	10/16/15 13:41	10/20/15 14:51	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-7 (0-5)-101415 **Lab ID: 40122890010** Collected: 10/14/15 14:15 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<59.9	ug/kg	200	59.9	1	10/16/15 13:41	10/20/15 14:51	95-50-1	
1,3-Dichlorobenzene	<26.4	ug/kg	88.0	26.4	1	10/16/15 13:41	10/20/15 14:51	541-73-1	
1,4-Dichlorobenzene	<26.6	ug/kg	88.5	26.6	1	10/16/15 13:41	10/20/15 14:51	106-46-7	
3,3'-Dichlorobenzidine	<51.7	ug/kg	172	51.7	1	10/16/15 13:41	10/20/15 14:51	91-94-1	
2,4-Dichlorophenol	<50.9	ug/kg	170	50.9	1	10/16/15 13:41	10/20/15 14:51	120-83-2	
Diethylphthalate	<31.6	ug/kg	105	31.6	1	10/16/15 13:41	10/20/15 14:51	84-66-2	
2,4-Dimethylphenol	<37.7	ug/kg	126	37.7	1	10/16/15 13:41	10/20/15 14:51	105-67-9	
Dimethylphthalate	<24.8	ug/kg	82.7	24.8	1	10/16/15 13:41	10/20/15 14:51	131-11-3	
Di-n-butylphthalate	<28.5	ug/kg	95.0	28.5	1	10/16/15 13:41	10/20/15 14:51	84-74-2	
4,6-Dinitro-2-methylphenol	<58.8	ug/kg	196	58.8	1	10/16/15 13:41	10/20/15 14:51	534-52-1	
2,4-Dinitrophenol	<58.1	ug/kg	194	58.1	1	10/16/15 13:41	10/20/15 14:51	51-28-5	
2,4-Dinitrotoluene	<27.3	ug/kg	90.9	27.3	1	10/16/15 13:41	10/20/15 14:51	121-14-2	
2,6-Dinitrotoluene	<36.2	ug/kg	121	36.2	1	10/16/15 13:41	10/20/15 14:51	606-20-2	
Di-n-octylphthalate	<42.9	ug/kg	143	42.9	1	10/16/15 13:41	10/20/15 14:51	117-84-0	
bis(2-Ethylhexyl)phthalate	<31.7	ug/kg	106	31.7	1	10/16/15 13:41	10/20/15 14:51	117-81-7	
Fluoranthene	46.6J	ug/kg	89.9	27.0	1	10/16/15 13:41	10/20/15 14:51	206-44-0	
Fluorene	<22.3	ug/kg	74.3	22.3	1	10/16/15 13:41	10/20/15 14:51	86-73-7	
Hexachloro-1,3-butadiene	<48.6	ug/kg	162	48.6	1	10/16/15 13:41	10/20/15 14:51	87-68-3	
Hexachlorobenzene	<32.1	ug/kg	107	32.1	1	10/16/15 13:41	10/20/15 14:51	118-74-1	
Hexachlorocyclopentadiene	<45.1	ug/kg	150	45.1	1	10/16/15 13:41	10/20/15 14:51	77-47-4	
Hexachloroethane	<30.5	ug/kg	102	30.5	1	10/16/15 13:41	10/20/15 14:51	67-72-1	
Indeno(1,2,3-cd)pyrene	69.5J	ug/kg	137	41.2	1	10/16/15 13:41	10/20/15 14:51	193-39-5	
Isophorone	<29.3	ug/kg	97.7	29.3	1	10/16/15 13:41	10/20/15 14:51	78-59-1	
2-Methylnaphthalene	<49.5	ug/kg	165	49.5	1	10/16/15 13:41	10/20/15 14:51	91-57-6	
2-Methylphenol(o-Cresol)	<34.6	ug/kg	115	34.6	1	10/16/15 13:41	10/20/15 14:51	95-48-7	
3&4-Methylphenol(m&p Cresol)	<34.9	ug/kg	116	34.9	1	10/16/15 13:41	10/20/15 14:51		
Naphthalene	<66.7	ug/kg	222	66.7	1	10/16/15 13:41	10/20/15 14:51	91-20-3	
2-Nitroaniline	<54.3	ug/kg	181	54.3	1	10/16/15 13:41	10/20/15 14:51	88-74-4	
3-Nitroaniline	<32.4	ug/kg	108	32.4	1	10/16/15 13:41	10/20/15 14:51	99-09-2	
4-Nitroaniline	<79.1	ug/kg	264	79.1	1	10/16/15 13:41	10/20/15 14:51	100-01-6	
Nitrobenzene	<38.7	ug/kg	129	38.7	1	10/16/15 13:41	10/20/15 14:51	98-95-3	
2-Nitrophenol	<60.2	ug/kg	201	60.2	1	10/16/15 13:41	10/20/15 14:51	88-75-5	
4-Nitrophenol	<48.0	ug/kg	160	48.0	1	10/16/15 13:41	10/20/15 14:51	100-02-7	
N-Nitroso-di-n-propylamine	<30.2	ug/kg	101	30.2	1	10/16/15 13:41	10/20/15 14:51	621-64-7	
N-Nitrosodiphenylamine	<259	ug/kg	862	259	1	10/16/15 13:41	10/20/15 14:51	86-30-6	
2,2'-Oxybis(1-chloropropane)	<49.2	ug/kg	164	49.2	1	10/16/15 13:41	10/20/15 14:51	108-60-1	
Pentachlorophenol	<42.0	ug/kg	140	42.0	1	10/16/15 13:41	10/20/15 14:51	87-86-5	
Phenanthrene	24.8J	ug/kg	81.5	24.5	1	10/16/15 13:41	10/20/15 14:51	85-01-8	
Phenol	<45.2	ug/kg	151	45.2	1	10/16/15 13:41	10/20/15 14:51	108-95-2	
Pyrene	110J	ug/kg	141	42.3	1	10/16/15 13:41	10/20/15 14:51	129-00-0	
1,2,4-Trichlorobenzene	<21.6	ug/kg	71.8	21.6	1	10/16/15 13:41	10/20/15 14:51	120-82-1	
2,4,5-Trichlorophenol	<33.7	ug/kg	112	33.7	1	10/16/15 13:41	10/20/15 14:51	95-95-4	
2,4,6-Trichlorophenol	<29.1	ug/kg	96.9	29.1	1	10/16/15 13:41	10/20/15 14:51	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	60	%	45-130		1	10/16/15 13:41	10/20/15 14:51	4165-60-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-7 (0-5)-101415 Lab ID: 40122890010 Collected: 10/14/15 14:15 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	66	%	51-130		1	10/16/15 13:41	10/20/15 14:51	321-60-8	
Terphenyl-d14 (S)	150	%	37-134		1	10/16/15 13:41	10/20/15 14:51	1718-51-0	S3
Phenol-d6 (S)	69	%	36-130		1	10/16/15 13:41	10/20/15 14:51	13127-88-3	
2-Fluorophenol (S)	58	%	37-130		1	10/16/15 13:41	10/20/15 14:51	367-12-4	
2,4,6-Tribromophenol (S)	68	%	30-130		1	10/16/15 13:41	10/20/15 14:51	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.9	ug/kg	15.6	4.9	1	10/16/15 12:00	10/16/15 23:01	67-64-1	2q
Benzene	<1.3	ug/kg	3.9	1.3	1	10/16/15 12:00	10/16/15 23:01	71-43-2	
Bromodichloromethane	<0.85	ug/kg	3.9	0.85	1	10/16/15 12:00	10/16/15 23:01	75-27-4	
Bromoform	<0.66	ug/kg	3.9	0.66	1	10/16/15 12:00	10/16/15 23:01	75-25-2	
Bromomethane	<1.2	ug/kg	7.8	1.2	1	10/16/15 12:00	10/16/15 23:01	74-83-9	
2-Butanone (MEK)	<2.2	ug/kg	15.6	2.2	1	10/16/15 12:00	10/16/15 23:01	78-93-3	
Carbon disulfide	<1.0	ug/kg	3.9	1.0	1	10/16/15 12:00	10/16/15 23:01	75-15-0	
Carbon tetrachloride	<1.2	ug/kg	3.9	1.2	1	10/16/15 12:00	10/16/15 23:01	56-23-5	
Chlorobenzene	<1.2	ug/kg	3.9	1.2	1	10/16/15 12:00	10/16/15 23:01	108-90-7	
Chloroethane	<1.6	ug/kg	3.9	1.6	1	10/16/15 12:00	10/16/15 23:01	75-00-3	
Chloroform	<0.74	ug/kg	3.9	0.74	1	10/16/15 12:00	10/16/15 23:01	67-66-3	
Chloromethane	<0.44	ug/kg	3.9	0.44	1	10/16/15 12:00	10/16/15 23:01	74-87-3	
Dibromochloromethane	<1.3	ug/kg	3.9	1.3	1	10/16/15 12:00	10/16/15 23:01	124-48-1	
1,1-Dichloroethane	<1.9	ug/kg	3.9	1.9	1	10/16/15 12:00	10/16/15 23:01	75-34-3	
1,2-Dichloroethane	<0.77	ug/kg	3.9	0.77	1	10/16/15 12:00	10/16/15 23:01	107-06-2	
1,1-Dichloroethene	<1.8	ug/kg	3.9	1.8	1	10/16/15 12:00	10/16/15 23:01	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/kg	3.9	1.0	1	10/16/15 12:00	10/16/15 23:01	156-59-2	
trans-1,2-Dichloroethene	<0.96	ug/kg	3.9	0.96	1	10/16/15 12:00	10/16/15 23:01	156-60-5	
1,2-Dichloropropane	<0.98	ug/kg	3.9	0.98	1	10/16/15 12:00	10/16/15 23:01	78-87-5	
cis-1,3-Dichloropropene	<0.52	ug/kg	3.9	0.52	1	10/16/15 12:00	10/16/15 23:01	10061-01-5	
trans-1,3-Dichloropropene	<0.72	ug/kg	3.9	0.72	1	10/16/15 12:00	10/16/15 23:01	10061-02-6	
Ethylbenzene	<1.1	ug/kg	3.9	1.1	1	10/16/15 12:00	10/16/15 23:01	100-41-4	
2-Hexanone	<1.2	ug/kg	3.9	1.2	1	10/16/15 12:00	10/16/15 23:01	591-78-6	
Methylene Chloride	<1.4	ug/kg	3.9	1.4	1	10/16/15 12:00	10/16/15 23:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.96	ug/kg	3.9	0.96	1	10/16/15 12:00	10/16/15 23:01	108-10-1	
Methyl-tert-butyl ether	<0.78	ug/kg	3.9	0.78	1	10/16/15 12:00	10/16/15 23:01	1634-04-4	
Styrene	<0.59	ug/kg	3.9	0.59	1	10/16/15 12:00	10/16/15 23:01	100-42-5	
1,1,2,2-Tetrachloroethane	<1.6	ug/kg	3.9	1.6	1	10/16/15 12:00	10/16/15 23:01	79-34-5	
Tetrachloroethene	<1.2	ug/kg	3.9	1.2	1	10/16/15 12:00	10/16/15 23:01	127-18-4	
Toluene	<1.2	ug/kg	3.9	1.2	1	10/16/15 12:00	10/16/15 23:01	108-88-3	
1,1,1-Trichloroethane	<1.2	ug/kg	3.9	1.2	1	10/16/15 12:00	10/16/15 23:01	71-55-6	
1,1,2-Trichloroethane	<1.5	ug/kg	3.9	1.5	1	10/16/15 12:00	10/16/15 23:01	79-00-5	
Trichloroethene	<1.5	ug/kg	3.9	1.5	1	10/16/15 12:00	10/16/15 23:01	79-01-6	
Vinyl chloride	<0.43	ug/kg	3.9	0.43	1	10/16/15 12:00	10/16/15 23:01	75-01-4	
Xylene (Total)	<3.5	ug/kg	11.7	3.5	1	10/16/15 12:00	10/16/15 23:01	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	107	%	70-130		1	10/16/15 12:00	10/16/15 23:01	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-7 (0-5)-101415 **Lab ID: 40122890010** Collected: 10/14/15 14:15 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	100	%	67-138		1	10/16/15 12:00	10/16/15 23:01	2037-26-5	
4-Bromofluorobenzene (S)	91	%	68-130		1	10/16/15 12:00	10/16/15 23:01	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	12.4	%	0.10	0.10	1		10/15/15 14:33		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.02	Std. Units	0.100	0.0100	1		10/16/15 17:00		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-7 (0-5)-101415D Lab ID: 40122890011 Collected: 10/14/15 14:25 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Red. Interference Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.26	mg/kg	0.85	0.26	1	10/19/15 16:30	10/20/15 18:29	7440-36-0	
Arsenic	5.3	mg/kg	0.85	0.33	1	10/19/15 16:30	10/20/15 18:29	7440-38-2	
Barium	69.5	mg/kg	0.85	0.048	1	10/19/15 16:30	10/21/15 15:02	7440-39-3	
Beryllium	0.41	mg/kg	0.085	0.0097	1	10/19/15 16:30	10/20/15 18:29	7440-41-7	
Cadmium	0.36J	mg/kg	0.42	0.020	1	10/19/15 16:30	10/20/15 18:29	7440-43-9	B
Calcium	70100	mg/kg	8.5	0.92	1	10/19/15 16:30	10/20/15 18:29	7440-70-2	
Chromium	16.2	mg/kg	0.42	0.053	1	10/19/15 16:30	10/20/15 18:29	7440-47-3	
Cobalt	5.6	mg/kg	0.42	0.039	1	10/19/15 16:30	10/20/15 18:29	7440-48-4	
Copper	28.0	mg/kg	0.85	0.19	1	10/19/15 16:30	10/20/15 18:29	7440-50-8	
Iron	13800	mg/kg	4.2	0.38	1	10/19/15 16:30	10/20/15 18:29	7439-89-6	
Lead	52.9	mg/kg	0.85	0.17	1	10/19/15 16:30	10/20/15 18:29	7439-92-1	
Magnesium	45500	mg/kg	4.2	0.74	1	10/19/15 16:30	10/20/15 18:29	7439-95-4	
Manganese	490	mg/kg	0.42	0.057	1	10/19/15 16:30	10/20/15 18:29	7439-96-5	
Nickel	12.4	mg/kg	0.42	0.072	1	10/19/15 16:30	10/20/15 18:29	7440-02-0	
Potassium	1610	mg/kg	42.3	4.2	1	10/19/15 16:30	10/20/15 18:29	7440-09-7	
Selenium	<0.38	mg/kg	1.3	0.38	1	10/19/15 16:30	10/20/15 18:29	7782-49-2	
Silver	<0.088	mg/kg	0.59	0.088	1	10/19/15 16:30	10/20/15 18:29	7440-22-4	
Sodium	609	mg/kg	42.3	1.3	1	10/19/15 16:30	10/20/15 18:29	7440-23-5	
Thallium	<0.26	mg/kg	1.7	0.26	1	10/19/15 16:30	10/20/15 18:29	7440-28-0	
Vanadium	21.7	mg/kg	0.85	0.090	1	10/19/15 16:30	10/20/15 18:29	7440-62-2	
Zinc	82.9	mg/kg	8.5	0.48	1	10/19/15 16:30	10/20/15 18:29	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/25/15 00:00

Arsenic	0.0071J	mg/L	0.010	0.0045	1	10/27/15 09:45	10/28/15 13:03	7440-38-2	
Barium	0.056J	mg/L	0.10	0.00052	1	10/27/15 09:45	10/28/15 13:03	7440-39-3	
Beryllium	0.00042J	mg/L	0.0010	0.00017	1	10/27/15 09:45	10/27/15 17:46	7440-41-7	
Cadmium	<0.00056	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/28/15 13:03	7440-43-9	
Chromium	0.014	mg/L	0.0050	0.00096	1	10/27/15 09:45	10/27/15 17:46	7440-47-3	
Cobalt	0.0033J	mg/L	0.0050	0.00080	1	10/27/15 09:45	10/27/15 17:46	7440-48-4	B
Copper	0.016	mg/L	0.010	0.00083	1	10/27/15 09:45	10/28/15 13:03	7440-50-8	B
Iron	9.6	mg/L	0.050	0.0090	1	10/27/15 09:45	10/28/15 13:03	7439-89-6	
Lead	0.015	mg/L	0.0050	0.0019	1	10/27/15 09:45	10/27/15 17:46	7439-92-1	
Manganese	0.19	mg/L	0.0050	0.0024	1	10/27/15 09:45	10/27/15 17:46	7439-96-5	
Nickel	0.011	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 17:46	7440-02-0	B
Selenium	<0.0058	mg/L	0.015	0.0058	1	10/27/15 09:45	10/27/15 17:46	7782-49-2	
Silver	<0.0011	mg/L	0.0070	0.0011	1	10/27/15 09:45	10/27/15 17:46	7440-22-4	
Zinc	0.074	mg/L	0.050	0.0026	1	10/27/15 09:45	10/27/15 17:46	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/25/15 00:00

Arsenic	0.0056J	mg/L	0.050	0.0045	1	10/27/15 09:45	10/27/15 16:49	7440-38-2	B
Barium	0.45	mg/L	0.25	0.00052	1	10/27/15 09:45	10/27/15 16:49	7440-39-3	
Beryllium	<0.00017	mg/L	0.0050	0.00017	1	10/27/15 09:45	10/27/15 16:49	7440-41-7	
Cadmium	0.0053	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 16:49	7440-43-9	B

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-7 (0-5)-101415D **Lab ID: 40122890011** Collected: 10/14/15 14:25 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/25/15 00:00									
Chromium	0.0024J	mg/L	0.010	0.00096	1	10/27/15 09:45	10/27/15 16:49	7440-47-3	B
Cobalt	<0.00080	mg/L	0.010	0.00080	1	10/27/15 09:45	10/27/15 16:49	7440-48-4	
Copper	0.017J	mg/L	0.020	0.00083	1	10/27/15 09:45	10/28/15 12:06	7440-50-8	B
Iron	0.014J	mg/L	0.10	0.0090	1	10/27/15 09:45	10/28/15 12:06	7439-89-6	B
Lead	0.0031J	mg/L	0.050	0.0019	1	10/27/15 09:45	10/27/15 16:49	7439-92-1	
Manganese	0.32	mg/L	0.010	0.0024	1	10/27/15 09:45	10/27/15 16:49	7439-96-5	
Nickel	0.0094J	mg/L	0.010	0.00056	1	10/27/15 09:45	10/27/15 16:49	7440-02-0	B
Selenium	0.0071J	mg/L	0.050	0.0058	1	10/27/15 09:45	10/27/15 16:49	7782-49-2	B
Silver	<0.0011	mg/L	0.010	0.0011	1	10/27/15 09:45	10/27/15 16:49	7440-22-4	
Zinc	0.097J	mg/L	0.25	0.0026	1	10/27/15 09:45	10/27/15 16:49	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/25/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/27/15 12:00	10/27/15 16:24	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/25/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/27/15 12:00	10/27/15 15:33	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.035J	mg/kg	0.037	0.0019	1	10/19/15 10:00	10/19/15 16:30	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<67.1	ug/kg	224	67.1	1	10/16/15 13:41	10/20/15 17:34	83-32-9	
Acenaphthylene	<67.5	ug/kg	225	67.5	1	10/16/15 13:41	10/20/15 17:34	208-96-8	
Anthracene	<30.3	ug/kg	101	30.3	1	10/16/15 13:41	10/20/15 17:34	120-12-7	
Benzo(a)anthracene	111	ug/kg	97.7	29.3	1	10/16/15 13:41	10/20/15 17:34	56-55-3	
Benzo(a)pyrene	144	ug/kg	94.9	28.5	1	10/16/15 13:41	10/20/15 17:34	50-32-8	
Benzo(b)fluoranthene	153	ug/kg	108	32.5	1	10/16/15 13:41	10/20/15 17:34	205-99-2	
Benzo(g,h,i)perylene	151J	ug/kg	165	49.5	1	10/16/15 13:41	10/20/15 17:34	191-24-2	
Benzo(k)fluoranthene	146J	ug/kg	151	45.3	1	10/16/15 13:41	10/20/15 17:34	207-08-9	
4-Bromophenylphenyl ether	<39.6	ug/kg	132	39.6	1	10/16/15 13:41	10/20/15 17:34	101-55-3	
Butylbenzylphthalate	<30.4	ug/kg	101	30.4	1	10/16/15 13:41	10/20/15 17:34	85-68-7	
Carbazole	<29.6	ug/kg	98.8	29.6	1	10/16/15 13:41	10/20/15 17:34	86-74-8	
4-Chloro-3-methylphenol	<58.9	ug/kg	196	58.9	1	10/16/15 13:41	10/20/15 17:34	59-50-7	
4-Chloroaniline	<31.1	ug/kg	104	31.1	1	10/16/15 13:41	10/20/15 17:34	106-47-8	
bis(2-Chloroethoxy)methane	<51.0	ug/kg	170	51.0	1	10/16/15 13:41	10/20/15 17:34	111-91-1	
bis(2-Chloroethyl) ether	<59.1	ug/kg	197	59.1	1	10/16/15 13:41	10/20/15 17:34	111-44-4	
2-Chloronaphthalene	<24.3	ug/kg	81.0	24.3	1	10/16/15 13:41	10/20/15 17:34	91-58-7	
2-Chlorophenol	<47.2	ug/kg	157	47.2	1	10/16/15 13:41	10/20/15 17:34	95-57-8	
4-Chlorophenylphenyl ether	<35.3	ug/kg	118	35.3	1	10/16/15 13:41	10/20/15 17:34	7005-72-3	
Chrysene	146	ug/kg	94.3	28.3	1	10/16/15 13:41	10/20/15 17:34	218-01-9	
Dibenz(a,h)anthracene	57.5J	ug/kg	171	51.4	1	10/16/15 13:41	10/20/15 17:34	53-70-3	
Dibenzofuran	<22.9	ug/kg	76.4	22.9	1	10/16/15 13:41	10/20/15 17:34	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-7 (0-5)-101415D Lab ID: 40122890011 Collected: 10/14/15 14:25 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<59.5	ug/kg	198	59.5	1	10/16/15 13:41	10/20/15 17:34	95-50-1	
1,3-Dichlorobenzene	<26.2	ug/kg	87.4	26.2	1	10/16/15 13:41	10/20/15 17:34	541-73-1	
1,4-Dichlorobenzene	<26.4	ug/kg	87.9	26.4	1	10/16/15 13:41	10/20/15 17:34	106-46-7	
3,3'-Dichlorobenzidine	<51.4	ug/kg	171	51.4	1	10/16/15 13:41	10/20/15 17:34	91-94-1	
2,4-Dichlorophenol	<50.6	ug/kg	169	50.6	1	10/16/15 13:41	10/20/15 17:34	120-83-2	
Diethylphthalate	<31.4	ug/kg	105	31.4	1	10/16/15 13:41	10/20/15 17:34	84-66-2	
2,4-Dimethylphenol	<37.4	ug/kg	125	37.4	1	10/16/15 13:41	10/20/15 17:34	105-67-9	
Dimethylphthalate	<24.6	ug/kg	82.1	24.6	1	10/16/15 13:41	10/20/15 17:34	131-11-3	
Di-n-butylphthalate	<28.3	ug/kg	94.3	28.3	1	10/16/15 13:41	10/20/15 17:34	84-74-2	
4,6-Dinitro-2-methylphenol	<58.3	ug/kg	194	58.3	1	10/16/15 13:41	10/20/15 17:34	534-52-1	
2,4-Dinitrophenol	<57.7	ug/kg	192	57.7	1	10/16/15 13:41	10/20/15 17:34	51-28-5	
2,4-Dinitrotoluene	<27.1	ug/kg	90.2	27.1	1	10/16/15 13:41	10/20/15 17:34	121-14-2	
2,6-Dinitrotoluene	<35.9	ug/kg	120	35.9	1	10/16/15 13:41	10/20/15 17:34	606-20-2	
Di-n-octylphthalate	<42.6	ug/kg	142	42.6	1	10/16/15 13:41	10/20/15 17:34	117-84-0	
bis(2-Ethylhexyl)phthalate	40.1J	ug/kg	105	31.5	1	10/16/15 13:41	10/20/15 17:34	117-81-7	
Fluoranthene	140	ug/kg	89.3	26.8	1	10/16/15 13:41	10/20/15 17:34	206-44-0	
Fluorene	<22.1	ug/kg	73.7	22.1	1	10/16/15 13:41	10/20/15 17:34	86-73-7	
Hexachloro-1,3-butadiene	<48.2	ug/kg	161	48.2	1	10/16/15 13:41	10/20/15 17:34	87-68-3	
Hexachlorobenzene	<31.8	ug/kg	106	31.8	1	10/16/15 13:41	10/20/15 17:34	118-74-1	
Hexachlorocyclopentadiene	<44.8	ug/kg	149	44.8	1	10/16/15 13:41	10/20/15 17:34	77-47-4	
Hexachloroethane	<30.3	ug/kg	101	30.3	1	10/16/15 13:41	10/20/15 17:34	67-72-1	
Indeno(1,2,3-cd)pyrene	151	ug/kg	137	41.0	1	10/16/15 13:41	10/20/15 17:34	193-39-5	
Isophorone	<29.1	ug/kg	97.0	29.1	1	10/16/15 13:41	10/20/15 17:34	78-59-1	
2-Methylnaphthalene	<49.2	ug/kg	164	49.2	1	10/16/15 13:41	10/20/15 17:34	91-57-6	
2-Methylphenol(o-Cresol)	<34.4	ug/kg	115	34.4	1	10/16/15 13:41	10/20/15 17:34	95-48-7	
3&4-Methylphenol(m&p Cresol)	<34.7	ug/kg	116	34.7	1	10/16/15 13:41	10/20/15 17:34		
Naphthalene	<66.2	ug/kg	221	66.2	1	10/16/15 13:41	10/20/15 17:34	91-20-3	
2-Nitroaniline	<53.9	ug/kg	180	53.9	1	10/16/15 13:41	10/20/15 17:34	88-74-4	
3-Nitroaniline	<32.2	ug/kg	107	32.2	1	10/16/15 13:41	10/20/15 17:34	99-09-2	
4-Nitroaniline	<78.6	ug/kg	262	78.6	1	10/16/15 13:41	10/20/15 17:34	100-01-6	
Nitrobenzene	<38.4	ug/kg	128	38.4	1	10/16/15 13:41	10/20/15 17:34	98-95-3	
2-Nitrophenol	<59.7	ug/kg	199	59.7	1	10/16/15 13:41	10/20/15 17:34	88-75-5	
4-Nitrophenol	<47.7	ug/kg	159	47.7	1	10/16/15 13:41	10/20/15 17:34	100-02-7	
N-Nitroso-di-n-propylamine	<30.0	ug/kg	100	30.0	1	10/16/15 13:41	10/20/15 17:34	621-64-7	
N-Nitrosodiphenylamine	<257	ug/kg	856	257	1	10/16/15 13:41	10/20/15 17:34	86-30-6	
2,2'-Oxybis(1-chloropropane)	<48.8	ug/kg	163	48.8	1	10/16/15 13:41	10/20/15 17:34	108-60-1	
Pentachlorophenol	<41.7	ug/kg	139	41.7	1	10/16/15 13:41	10/20/15 17:34	87-86-5	
Phenanthrene	103	ug/kg	80.9	24.3	1	10/16/15 13:41	10/20/15 17:34	85-01-8	
Phenol	<44.9	ug/kg	150	44.9	1	10/16/15 13:41	10/20/15 17:34	108-95-2	
Pyrene	388	ug/kg	140	42.0	1	10/16/15 13:41	10/20/15 17:34	129-00-0	
1,2,4-Trichlorobenzene	<21.4	ug/kg	71.3	21.4	1	10/16/15 13:41	10/20/15 17:34	120-82-1	
2,4,5-Trichlorophenol	<33.4	ug/kg	111	33.4	1	10/16/15 13:41	10/20/15 17:34	95-95-4	
2,4,6-Trichlorophenol	<28.9	ug/kg	96.2	28.9	1	10/16/15 13:41	10/20/15 17:34	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	58	%	45-130		1	10/16/15 13:41	10/20/15 17:34	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-7 (0-5)-101415D Lab ID: 40122890011 Collected: 10/14/15 14:25 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	68	%	51-130		1	10/16/15 13:41	10/20/15 17:34	321-60-8	
Terphenyl-d14 (S)	150	%	37-134		1	10/16/15 13:41	10/20/15 17:34	1718-51-0	S0
Phenol-d6 (S)	65	%	36-130		1	10/16/15 13:41	10/20/15 17:34	13127-88-3	
2-Fluorophenol (S)	52	%	37-130		1	10/16/15 13:41	10/20/15 17:34	367-12-4	
2,4,6-Tribromophenol (S)	63	%	30-130		1	10/16/15 13:41	10/20/15 17:34	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.2	ug/kg	13.5	4.2	1	10/16/15 12:00	10/16/15 23:23	67-64-1	2q
Benzene	<1.1	ug/kg	3.4	1.1	1	10/16/15 12:00	10/16/15 23:23	71-43-2	
Bromodichloromethane	<0.74	ug/kg	3.4	0.74	1	10/16/15 12:00	10/16/15 23:23	75-27-4	
Bromoform	<0.57	ug/kg	3.4	0.57	1	10/16/15 12:00	10/16/15 23:23	75-25-2	
Bromomethane	<1.0	ug/kg	6.7	1.0	1	10/16/15 12:00	10/16/15 23:23	74-83-9	
2-Butanone (MEK)	<1.9	ug/kg	13.5	1.9	1	10/16/15 12:00	10/16/15 23:23	78-93-3	
Carbon disulfide	<0.87	ug/kg	3.4	0.87	1	10/16/15 12:00	10/16/15 23:23	75-15-0	
Carbon tetrachloride	<1.1	ug/kg	3.4	1.1	1	10/16/15 12:00	10/16/15 23:23	56-23-5	
Chlorobenzene	<1.1	ug/kg	3.4	1.1	1	10/16/15 12:00	10/16/15 23:23	108-90-7	
Chloroethane	<1.4	ug/kg	3.4	1.4	1	10/16/15 12:00	10/16/15 23:23	75-00-3	
Chloroform	<0.64	ug/kg	3.4	0.64	1	10/16/15 12:00	10/16/15 23:23	67-66-3	
Chloromethane	<0.38	ug/kg	3.4	0.38	1	10/16/15 12:00	10/16/15 23:23	74-87-3	
Dibromochloromethane	<1.2	ug/kg	3.4	1.2	1	10/16/15 12:00	10/16/15 23:23	124-48-1	
1,1-Dichloroethane	<1.6	ug/kg	3.4	1.6	1	10/16/15 12:00	10/16/15 23:23	75-34-3	
1,2-Dichloroethane	<0.66	ug/kg	3.4	0.66	1	10/16/15 12:00	10/16/15 23:23	107-06-2	
1,1-Dichloroethene	<1.5	ug/kg	3.4	1.5	1	10/16/15 12:00	10/16/15 23:23	75-35-4	
cis-1,2-Dichloroethene	<0.89	ug/kg	3.4	0.89	1	10/16/15 12:00	10/16/15 23:23	156-59-2	
trans-1,2-Dichloroethene	<0.83	ug/kg	3.4	0.83	1	10/16/15 12:00	10/16/15 23:23	156-60-5	
1,2-Dichloropropane	<0.85	ug/kg	3.4	0.85	1	10/16/15 12:00	10/16/15 23:23	78-87-5	
cis-1,3-Dichloropropene	<0.45	ug/kg	3.4	0.45	1	10/16/15 12:00	10/16/15 23:23	10061-01-5	
trans-1,3-Dichloropropene	<0.62	ug/kg	3.4	0.62	1	10/16/15 12:00	10/16/15 23:23	10061-02-6	
Ethylbenzene	<0.97	ug/kg	3.4	0.97	1	10/16/15 12:00	10/16/15 23:23	100-41-4	
2-Hexanone	<1.0	ug/kg	3.4	1.0	1	10/16/15 12:00	10/16/15 23:23	591-78-6	
Methylene Chloride	<1.2	ug/kg	3.4	1.2	1	10/16/15 12:00	10/16/15 23:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.83	ug/kg	3.4	0.83	1	10/16/15 12:00	10/16/15 23:23	108-10-1	
Methyl-tert-butyl ether	<0.68	ug/kg	3.4	0.68	1	10/16/15 12:00	10/16/15 23:23	1634-04-4	
Styrene	<0.51	ug/kg	3.4	0.51	1	10/16/15 12:00	10/16/15 23:23	100-42-5	
1,1,2,2-Tetrachloroethane	<1.4	ug/kg	3.4	1.4	1	10/16/15 12:00	10/16/15 23:23	79-34-5	
Tetrachloroethene	<1.1	ug/kg	3.4	1.1	1	10/16/15 12:00	10/16/15 23:23	127-18-4	
Toluene	<1.0	ug/kg	3.4	1.0	1	10/16/15 12:00	10/16/15 23:23	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/kg	3.4	1.0	1	10/16/15 12:00	10/16/15 23:23	71-55-6	
1,1,2-Trichloroethane	<1.3	ug/kg	3.4	1.3	1	10/16/15 12:00	10/16/15 23:23	79-00-5	
Trichloroethene	<1.3	ug/kg	3.4	1.3	1	10/16/15 12:00	10/16/15 23:23	79-01-6	
Vinyl chloride	<0.37	ug/kg	3.4	0.37	1	10/16/15 12:00	10/16/15 23:23	75-01-4	
Xylene (Total)	<3.0	ug/kg	10.1	3.0	1	10/16/15 12:00	10/16/15 23:23	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	105	%	70-130		1	10/16/15 12:00	10/16/15 23:23	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-7 (0-5)-101415D **Lab ID: 40122890011** Collected: 10/14/15 14:25 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	100	%	67-138		1	10/16/15 12:00	10/16/15 23:23	2037-26-5	
4-Bromofluorobenzene (S)	91	%	68-130		1	10/16/15 12:00	10/16/15 23:23	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	11.8	%	0.10	0.10	1		10/15/15 14:33		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	7.86	Std. Units	0.100	0.0100	1		10/16/15 17:00		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-7 (5-9)-101415 Lab ID: 40122890012 Collected: 10/14/15 14:35 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Red. Interference									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.25	mg/kg	0.80	0.25	1	10/19/15 16:30	10/20/15 18:31	7440-36-0	
Arsenic	4.8	mg/kg	0.80	0.32	1	10/19/15 16:30	10/20/15 18:31	7440-38-2	
Barium	25.5	mg/kg	1.6	0.091	2	10/19/15 16:30	10/21/15 15:04	7440-39-3	
Beryllium	0.22	mg/kg	0.080	0.0092	1	10/19/15 16:30	10/20/15 18:31	7440-41-7	
Cadmium	0.17J	mg/kg	0.40	0.019	1	10/19/15 16:30	10/20/15 18:31	7440-43-9	B
Calcium	122000	mg/kg	16.0	1.7	2	10/19/15 16:30	10/21/15 15:04	7440-70-2	
Chromium	8.0	mg/kg	0.40	0.050	1	10/19/15 16:30	10/20/15 18:31	7440-47-3	
Cobalt	3.2	mg/kg	0.40	0.036	1	10/19/15 16:30	10/20/15 18:31	7440-48-4	
Copper	12.8	mg/kg	0.80	0.18	1	10/19/15 16:30	10/20/15 18:31	7440-50-8	
Iron	8740	mg/kg	4.0	0.36	1	10/19/15 16:30	10/20/15 18:31	7439-89-6	
Lead	9.2	mg/kg	0.80	0.16	1	10/19/15 16:30	10/20/15 18:31	7439-92-1	
Magnesium	67200	mg/kg	4.0	0.70	1	10/19/15 16:30	10/20/15 18:31	7439-95-4	
Manganese	318	mg/kg	0.40	0.054	1	10/19/15 16:30	10/20/15 18:31	7439-96-5	
Nickel	8.3	mg/kg	0.40	0.068	1	10/19/15 16:30	10/20/15 18:31	7440-02-0	
Potassium	1300	mg/kg	80.1	8.0	2	10/19/15 16:30	10/21/15 15:04	7440-09-7	
Selenium	<0.36	mg/kg	1.2	0.36	1	10/19/15 16:30	10/20/15 18:31	7782-49-2	
Silver	<0.083	mg/kg	0.56	0.083	1	10/19/15 16:30	10/20/15 18:31	7440-22-4	
Sodium	390	mg/kg	40.1	1.2	1	10/19/15 16:30	10/20/15 18:31	7440-23-5	
Thallium	<0.25	mg/kg	1.6	0.25	1	10/19/15 16:30	10/20/15 18:31	7440-28-0	
Vanadium	13.4	mg/kg	0.80	0.086	1	10/19/15 16:30	10/20/15 18:31	7440-62-2	
Zinc	21.5	mg/kg	8.0	0.45	1	10/19/15 16:30	10/20/15 18:31	7440-66-6	
6010 MET ICP, SPLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1312; 10/25/15 00:00									
Arsenic	<0.0045	mg/L	0.010	0.0045	1	10/27/15 09:45	10/28/15 13:05	7440-38-2	
Barium	0.019J	mg/L	0.10	0.00052	1	10/27/15 09:45	10/28/15 13:05	7440-39-3	
Beryllium	0.00018J	mg/L	0.0010	0.00017	1	10/27/15 09:45	10/27/15 17:48	7440-41-7	
Cadmium	<0.00056	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/28/15 13:05	7440-43-9	
Chromium	0.0055	mg/L	0.0050	0.00096	1	10/27/15 09:45	10/27/15 17:48	7440-47-3	
Cobalt	0.0011J	mg/L	0.0050	0.00080	1	10/27/15 09:45	10/27/15 17:48	7440-48-4	B
Copper	0.013	mg/L	0.010	0.00083	1	10/27/15 09:45	10/28/15 13:05	7440-50-8	B
Iron	3.0	mg/L	0.050	0.0090	1	10/27/15 09:45	10/28/15 13:05	7439-89-6	
Lead	0.0037J	mg/L	0.0050	0.0019	1	10/27/15 09:45	10/27/15 17:48	7439-92-1	
Manganese	0.064	mg/L	0.0050	0.0024	1	10/27/15 09:45	10/27/15 17:48	7439-96-5	
Nickel	0.0043J	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 17:48	7440-02-0	B
Selenium	<0.0058	mg/L	0.015	0.0058	1	10/27/15 09:45	10/27/15 17:48	7782-49-2	
Silver	<0.0011	mg/L	0.0070	0.0011	1	10/27/15 09:45	10/27/15 17:48	7440-22-4	
Zinc	0.014J	mg/L	0.050	0.0026	1	10/27/15 09:45	10/27/15 17:48	7440-66-6	B
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/25/15 00:00									
Arsenic	0.0061J	mg/L	0.050	0.0045	1	10/27/15 09:45	10/27/15 16:52	7440-38-2	B
Barium	0.42	mg/L	0.25	0.00052	1	10/27/15 09:45	10/27/15 16:52	7440-39-3	
Beryllium	<0.00017	mg/L	0.0050	0.00017	1	10/27/15 09:45	10/27/15 16:52	7440-41-7	
Cadmium	0.0016J	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 16:52	7440-43-9	B

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-7 (5-9)-101415 Lab ID: 40122890012 Collected: 10/14/15 14:35 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/25/15 00:00									
Chromium	0.0017J	mg/L	0.010	0.00096	1	10/27/15 09:45	10/27/15 16:52	7440-47-3	B
Cobalt	0.0013J	mg/L	0.010	0.00080	1	10/27/15 09:45	10/27/15 16:52	7440-48-4	
Copper	0.018J	mg/L	0.020	0.00083	1	10/27/15 09:45	10/28/15 12:09	7440-50-8	B
Iron	0.013J	mg/L	0.10	0.0090	1	10/27/15 09:45	10/28/15 12:09	7439-89-6	B
Lead	0.0037J	mg/L	0.050	0.0019	1	10/27/15 09:45	10/27/15 16:52	7439-92-1	
Manganese	1.5	mg/L	0.010	0.0024	1	10/27/15 09:45	10/27/15 16:52	7439-96-5	
Nickel	0.013	mg/L	0.010	0.00056	1	10/27/15 09:45	10/27/15 16:52	7440-02-0	B
Selenium	0.0077J	mg/L	0.050	0.0058	1	10/27/15 09:45	10/27/15 16:52	7782-49-2	B
Silver	<0.0011	mg/L	0.010	0.0011	1	10/27/15 09:45	10/27/15 16:52	7440-22-4	
Zinc	0.067J	mg/L	0.25	0.0026	1	10/27/15 09:45	10/27/15 16:52	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/25/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/27/15 12:00	10/27/15 16:27	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/25/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/27/15 12:00	10/27/15 15:35	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.0055J	mg/kg	0.049	0.0025	1	10/19/15 10:00	10/19/15 16:36	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<61.7	ug/kg	206	61.7	1	10/16/15 13:41	10/20/15 18:06	83-32-9	
Acenaphthylene	<62.0	ug/kg	207	62.0	1	10/16/15 13:41	10/20/15 18:06	208-96-8	
Anthracene	<27.8	ug/kg	92.6	27.8	1	10/16/15 13:41	10/20/15 18:06	120-12-7	
Benzo(a)anthracene	47.4J	ug/kg	89.8	26.9	1	10/16/15 13:41	10/20/15 18:06	56-55-3	
Benzo(a)pyrene	62.7J	ug/kg	87.2	26.2	1	10/16/15 13:41	10/20/15 18:06	50-32-8	
Benzo(b)fluoranthene	69.3J	ug/kg	99.6	29.9	1	10/16/15 13:41	10/20/15 18:06	205-99-2	
Benzo(g,h,i)perylene	77.1J	ug/kg	152	45.5	1	10/16/15 13:41	10/20/15 18:06	191-24-2	
Benzo(k)fluoranthene	65.0J	ug/kg	139	41.6	1	10/16/15 13:41	10/20/15 18:06	207-08-9	
4-Bromophenylphenyl ether	<36.4	ug/kg	121	36.4	1	10/16/15 13:41	10/20/15 18:06	101-55-3	
Butylbenzylphthalate	<27.9	ug/kg	93.0	27.9	1	10/16/15 13:41	10/20/15 18:06	85-68-7	
Carbazole	<27.2	ug/kg	90.8	27.2	1	10/16/15 13:41	10/20/15 18:06	86-74-8	
4-Chloro-3-methylphenol	<54.1	ug/kg	180	54.1	1	10/16/15 13:41	10/20/15 18:06	59-50-7	
4-Chloroaniline	<28.6	ug/kg	95.3	28.6	1	10/16/15 13:41	10/20/15 18:06	106-47-8	
bis(2-Chloroethoxy)methane	<46.8	ug/kg	156	46.8	1	10/16/15 13:41	10/20/15 18:06	111-91-1	
bis(2-Chloroethyl) ether	<54.3	ug/kg	181	54.3	1	10/16/15 13:41	10/20/15 18:06	111-44-4	
2-Chloronaphthalene	<22.3	ug/kg	74.4	22.3	1	10/16/15 13:41	10/20/15 18:06	91-58-7	
2-Chlorophenol	<43.4	ug/kg	145	43.4	1	10/16/15 13:41	10/20/15 18:06	95-57-8	
4-Chlorophenylphenyl ether	<32.4	ug/kg	108	32.4	1	10/16/15 13:41	10/20/15 18:06	7005-72-3	
Chrysene	63.9J	ug/kg	86.7	26.0	1	10/16/15 13:41	10/20/15 18:06	218-01-9	
Dibenz(a,h)anthracene	<47.2	ug/kg	157	47.2	1	10/16/15 13:41	10/20/15 18:06	53-70-3	
Dibenzofuran	<21.1	ug/kg	70.2	21.1	1	10/16/15 13:41	10/20/15 18:06	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-7 (5-9)-101415 **Lab ID: 40122890012** Collected: 10/14/15 14:35 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<54.7	ug/kg	182	54.7	1	10/16/15 13:41	10/20/15 18:06	95-50-1	
1,3-Dichlorobenzene	<24.1	ug/kg	80.3	24.1	1	10/16/15 13:41	10/20/15 18:06	541-73-1	
1,4-Dichlorobenzene	<24.2	ug/kg	80.8	24.2	1	10/16/15 13:41	10/20/15 18:06	106-46-7	
3,3'-Dichlorobenzidine	<47.2	ug/kg	157	47.2	1	10/16/15 13:41	10/20/15 18:06	91-94-1	
2,4-Dichlorophenol	<46.5	ug/kg	155	46.5	1	10/16/15 13:41	10/20/15 18:06	120-83-2	
Diethylphthalate	<28.8	ug/kg	96.1	28.8	1	10/16/15 13:41	10/20/15 18:06	84-66-2	
2,4-Dimethylphenol	<34.4	ug/kg	115	34.4	1	10/16/15 13:41	10/20/15 18:06	105-67-9	
Dimethylphthalate	<22.6	ug/kg	75.4	22.6	1	10/16/15 13:41	10/20/15 18:06	131-11-3	
Di-n-butylphthalate	<26.0	ug/kg	86.6	26.0	1	10/16/15 13:41	10/20/15 18:06	84-74-2	
4,6-Dinitro-2-methylphenol	<53.6	ug/kg	179	53.6	1	10/16/15 13:41	10/20/15 18:06	534-52-1	
2,4-Dinitrophenol	<53.0	ug/kg	177	53.0	1	10/16/15 13:41	10/20/15 18:06	51-28-5	
2,4-Dinitrotoluene	<24.9	ug/kg	82.9	24.9	1	10/16/15 13:41	10/20/15 18:06	121-14-2	
2,6-Dinitrotoluene	<33.0	ug/kg	110	33.0	1	10/16/15 13:41	10/20/15 18:06	606-20-2	
Di-n-octylphthalate	<39.1	ug/kg	130	39.1	1	10/16/15 13:41	10/20/15 18:06	117-84-0	
bis(2-Ethylhexyl)phthalate	35.1J	ug/kg	96.4	28.9	1	10/16/15 13:41	10/20/15 18:06	117-81-7	
Fluoranthene	51.9J	ug/kg	82.0	24.6	1	10/16/15 13:41	10/20/15 18:06	206-44-0	
Fluorene	<20.3	ug/kg	67.8	20.3	1	10/16/15 13:41	10/20/15 18:06	86-73-7	
Hexachloro-1,3-butadiene	<44.3	ug/kg	148	44.3	1	10/16/15 13:41	10/20/15 18:06	87-68-3	
Hexachlorobenzene	<29.2	ug/kg	97.5	29.2	1	10/16/15 13:41	10/20/15 18:06	118-74-1	
Hexachlorocyclopentadiene	<41.2	ug/kg	137	41.2	1	10/16/15 13:41	10/20/15 18:06	77-47-4	
Hexachloroethane	<27.8	ug/kg	92.8	27.8	1	10/16/15 13:41	10/20/15 18:06	67-72-1	
Indeno(1,2,3-cd)pyrene	74.3J	ug/kg	125	37.6	1	10/16/15 13:41	10/20/15 18:06	193-39-5	
Isophorone	<26.7	ug/kg	89.1	26.7	1	10/16/15 13:41	10/20/15 18:06	78-59-1	
2-Methylnaphthalene	<45.2	ug/kg	151	45.2	1	10/16/15 13:41	10/20/15 18:06	91-57-6	
2-Methylphenol(o-Cresol)	<31.6	ug/kg	105	31.6	1	10/16/15 13:41	10/20/15 18:06	95-48-7	
3&4-Methylphenol(m&p Cresol)	<31.9	ug/kg	106	31.9	1	10/16/15 13:41	10/20/15 18:06		
Naphthalene	<60.8	ug/kg	203	60.8	1	10/16/15 13:41	10/20/15 18:06	91-20-3	
2-Nitroaniline	<49.6	ug/kg	165	49.6	1	10/16/15 13:41	10/20/15 18:06	88-74-4	
3-Nitroaniline	<29.6	ug/kg	98.6	29.6	1	10/16/15 13:41	10/20/15 18:06	99-09-2	
4-Nitroaniline	<72.2	ug/kg	241	72.2	1	10/16/15 13:41	10/20/15 18:06	100-01-6	
Nitrobenzene	<35.3	ug/kg	118	35.3	1	10/16/15 13:41	10/20/15 18:06	98-95-3	
2-Nitrophenol	<54.9	ug/kg	183	54.9	1	10/16/15 13:41	10/20/15 18:06	88-75-5	
4-Nitrophenol	<43.8	ug/kg	146	43.8	1	10/16/15 13:41	10/20/15 18:06	100-02-7	
N-Nitroso-di-n-propylamine	<27.6	ug/kg	91.9	27.6	1	10/16/15 13:41	10/20/15 18:06	621-64-7	
N-Nitrosodiphenylamine	<236	ug/kg	787	236	1	10/16/15 13:41	10/20/15 18:06	86-30-6	
2,2'-Oxybis(1-chloropropane)	<44.8	ug/kg	149	44.8	1	10/16/15 13:41	10/20/15 18:06	108-60-1	
Pentachlorophenol	<38.3	ug/kg	128	38.3	1	10/16/15 13:41	10/20/15 18:06	87-86-5	
Phenanthrene	31.6J	ug/kg	74.4	22.3	1	10/16/15 13:41	10/20/15 18:06	85-01-8	
Phenol	<41.3	ug/kg	138	41.3	1	10/16/15 13:41	10/20/15 18:06	108-95-2	
Pyrene	120J	ug/kg	128	38.5	1	10/16/15 13:41	10/20/15 18:06	129-00-0	
1,2,4-Trichlorobenzene	<19.7	ug/kg	65.5	19.7	1	10/16/15 13:41	10/20/15 18:06	120-82-1	
2,4,5-Trichlorophenol	<30.7	ug/kg	102	30.7	1	10/16/15 13:41	10/20/15 18:06	95-95-4	
2,4,6-Trichlorophenol	<26.5	ug/kg	88.4	26.5	1	10/16/15 13:41	10/20/15 18:06	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	55	%	45-130		1	10/16/15 13:41	10/20/15 18:06	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-7 (5-9)-101415 Lab ID: 40122890012 Collected: 10/14/15 14:35 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

2-Fluorobiphenyl (S)	67	%	51-130		1	10/16/15 13:41	10/20/15 18:06	321-60-8	
Terphenyl-d14 (S)	132	%	37-134		1	10/16/15 13:41	10/20/15 18:06	1718-51-0	
Phenol-d6 (S)	70	%	36-130		1	10/16/15 13:41	10/20/15 18:06	13127-88-3	
2-Fluorophenol (S)	59	%	37-130		1	10/16/15 13:41	10/20/15 18:06	367-12-4	
2,4,6-Tribromophenol (S)	62	%	30-130		1	10/16/15 13:41	10/20/15 18:06	118-79-6	

8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260

Acetone	<3.7	ug/kg	11.9	3.7	1	10/16/15 12:00	10/16/15 23:46	67-64-1	2q
Benzene	<0.96	ug/kg	3.0	0.96	1	10/16/15 12:00	10/16/15 23:46	71-43-2	
Bromodichloromethane	<0.65	ug/kg	3.0	0.65	1	10/16/15 12:00	10/16/15 23:46	75-27-4	
Bromoform	<0.51	ug/kg	3.0	0.51	1	10/16/15 12:00	10/16/15 23:46	75-25-2	
Bromomethane	<0.89	ug/kg	6.0	0.89	1	10/16/15 12:00	10/16/15 23:46	74-83-9	
2-Butanone (MEK)	<1.7	ug/kg	11.9	1.7	1	10/16/15 12:00	10/16/15 23:46	78-93-3	
Carbon disulfide	<0.77	ug/kg	3.0	0.77	1	10/16/15 12:00	10/16/15 23:46	75-15-0	
Carbon tetrachloride	<0.95	ug/kg	3.0	0.95	1	10/16/15 12:00	10/16/15 23:46	56-23-5	
Chlorobenzene	<0.95	ug/kg	3.0	0.95	1	10/16/15 12:00	10/16/15 23:46	108-90-7	
Chloroethane	<1.2	ug/kg	3.0	1.2	1	10/16/15 12:00	10/16/15 23:46	75-00-3	
Chloroform	<0.56	ug/kg	3.0	0.56	1	10/16/15 12:00	10/16/15 23:46	67-66-3	
Chloromethane	<0.34	ug/kg	3.0	0.34	1	10/16/15 12:00	10/16/15 23:46	74-87-3	
Dibromochloromethane	<1.0	ug/kg	3.0	1.0	1	10/16/15 12:00	10/16/15 23:46	124-48-1	
1,1-Dichloroethane	<1.4	ug/kg	3.0	1.4	1	10/16/15 12:00	10/16/15 23:46	75-34-3	
1,2-Dichloroethane	<0.59	ug/kg	3.0	0.59	1	10/16/15 12:00	10/16/15 23:46	107-06-2	
1,1-Dichloroethene	<1.4	ug/kg	3.0	1.4	1	10/16/15 12:00	10/16/15 23:46	75-35-4	
cis-1,2-Dichloroethene	<0.79	ug/kg	3.0	0.79	1	10/16/15 12:00	10/16/15 23:46	156-59-2	
trans-1,2-Dichloroethene	<0.74	ug/kg	3.0	0.74	1	10/16/15 12:00	10/16/15 23:46	156-60-5	
1,2-Dichloropropane	<0.75	ug/kg	3.0	0.75	1	10/16/15 12:00	10/16/15 23:46	78-87-5	
cis-1,3-Dichloropropene	<0.40	ug/kg	3.0	0.40	1	10/16/15 12:00	10/16/15 23:46	10061-01-5	
trans-1,3-Dichloropropene	<0.55	ug/kg	3.0	0.55	1	10/16/15 12:00	10/16/15 23:46	10061-02-6	
Ethylbenzene	<0.86	ug/kg	3.0	0.86	1	10/16/15 12:00	10/16/15 23:46	100-41-4	
2-Hexanone	<0.88	ug/kg	3.0	0.88	1	10/16/15 12:00	10/16/15 23:46	591-78-6	
Methylene Chloride	<1.1	ug/kg	3.0	1.1	1	10/16/15 12:00	10/16/15 23:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.73	ug/kg	3.0	0.73	1	10/16/15 12:00	10/16/15 23:46	108-10-1	
Methyl-tert-butyl ether	<0.60	ug/kg	3.0	0.60	1	10/16/15 12:00	10/16/15 23:46	1634-04-4	
Styrene	<0.45	ug/kg	3.0	0.45	1	10/16/15 12:00	10/16/15 23:46	100-42-5	
1,1,2,2-Tetrachloroethane	<1.2	ug/kg	3.0	1.2	1	10/16/15 12:00	10/16/15 23:46	79-34-5	
Tetrachloroethene	<0.94	ug/kg	3.0	0.94	1	10/16/15 12:00	10/16/15 23:46	127-18-4	
Toluene	<0.89	ug/kg	3.0	0.89	1	10/16/15 12:00	10/16/15 23:46	108-88-3	
1,1,1-Trichloroethane	<0.92	ug/kg	3.0	0.92	1	10/16/15 12:00	10/16/15 23:46	71-55-6	
1,1,2-Trichloroethane	<1.1	ug/kg	3.0	1.1	1	10/16/15 12:00	10/16/15 23:46	79-00-5	
Trichloroethene	<1.2	ug/kg	3.0	1.2	1	10/16/15 12:00	10/16/15 23:46	79-01-6	
Vinyl chloride	<0.33	ug/kg	3.0	0.33	1	10/16/15 12:00	10/16/15 23:46	75-01-4	
Xylene (Total)	<2.7	ug/kg	9.0	2.7	1	10/16/15 12:00	10/16/15 23:46	1330-20-7	

Surrogates

Dibromofluoromethane (S)	103	%	70-130		1	10/16/15 12:00	10/16/15 23:46	1868-53-7	
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-7 (5-9)-101415 **Lab ID: 40122890012** Collected: 10/14/15 14:35 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	99	%	67-138		1	10/16/15 12:00	10/16/15 23:46	2037-26-5	
4-Bromofluorobenzene (S)	93	%	68-130		1	10/16/15 12:00	10/16/15 23:46	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	4.0	%	0.10	0.10	1		10/15/15 14:33		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.42	Std. Units	0.100	0.0100	1		10/16/15 17:00		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: **AL2-6 (0-5)-101415** Lab ID: **40122890013** Collected: 10/14/15 13:00 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Red. Interference		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Antimony	<0.32	mg/kg	1.0	0.32	1	10/19/15 16:30	10/20/15 18:33	7440-36-0	
Arsenic	7.7	mg/kg	1.0	0.40	1	10/19/15 16:30	10/20/15 18:33	7440-38-2	
Barium	88.3	mg/kg	1.0	0.058	1	10/19/15 16:30	10/21/15 15:06	7440-39-3	
Beryllium	0.64	mg/kg	0.10	0.012	1	10/19/15 16:30	10/20/15 18:33	7440-41-7	
Cadmium	0.22J	mg/kg	0.51	0.024	1	10/19/15 16:30	10/20/15 18:33	7440-43-9	B
Calcium	21000	mg/kg	10.2	1.1	1	10/19/15 16:30	10/20/15 18:33	7440-70-2	
Chromium	17.7	mg/kg	0.51	0.064	1	10/19/15 16:30	10/20/15 18:33	7440-47-3	
Cobalt	7.0	mg/kg	0.51	0.047	1	10/19/15 16:30	10/20/15 18:33	7440-48-4	
Copper	21.4	mg/kg	1.0	0.23	1	10/19/15 16:30	10/20/15 18:33	7440-50-8	
Iron	17500	mg/kg	5.1	0.46	1	10/19/15 16:30	10/20/15 18:33	7439-89-6	
Lead	28.5	mg/kg	1.0	0.21	1	10/19/15 16:30	10/20/15 18:33	7439-92-1	
Magnesium	13900	mg/kg	5.1	0.90	1	10/19/15 16:30	10/20/15 18:33	7439-95-4	
Manganese	597	mg/kg	0.51	0.069	1	10/19/15 16:30	10/20/15 18:33	7439-96-5	
Nickel	15.0	mg/kg	0.51	0.087	1	10/19/15 16:30	10/20/15 18:33	7440-02-0	
Potassium	2260	mg/kg	51.2	5.1	1	10/19/15 16:30	10/20/15 18:33	7440-09-7	
Selenium	<0.46	mg/kg	1.5	0.46	1	10/19/15 16:30	10/20/15 18:33	7782-49-2	
Silver	<0.11	mg/kg	0.72	0.11	1	10/19/15 16:30	10/20/15 18:33	7440-22-4	
Sodium	912	mg/kg	51.2	1.6	1	10/19/15 16:30	10/20/15 18:33	7440-23-5	
Thallium	<0.31	mg/kg	2.0	0.31	1	10/19/15 16:30	10/20/15 18:33	7440-28-0	
Vanadium	31.8	mg/kg	1.0	0.11	1	10/19/15 16:30	10/20/15 18:33	7440-62-2	
Zinc	61.0	mg/kg	10.2	0.58	1	10/19/15 16:30	10/20/15 18:33	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/25/15 00:00

Arsenic	<0.0045	mg/L	0.010	0.0045	1	10/27/15 09:45	10/28/15 13:07	7440-38-2	
Barium	0.023J	mg/L	0.10	0.00052	1	10/27/15 09:45	10/28/15 13:07	7440-39-3	
Beryllium	0.00020J	mg/L	0.0010	0.00017	1	10/27/15 09:45	10/27/15 17:50	7440-41-7	
Cadmium	<0.00056	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/28/15 13:07	7440-43-9	
Chromium	0.0065	mg/L	0.0050	0.00096	1	10/27/15 09:45	10/27/15 17:50	7440-47-3	
Cobalt	0.0011J	mg/L	0.0050	0.00080	1	10/27/15 09:45	10/27/15 17:50	7440-48-4	B
Copper	0.013	mg/L	0.010	0.00083	1	10/27/15 09:45	10/28/15 13:07	7440-50-8	B
Iron	3.3	mg/L	0.050	0.0090	1	10/27/15 09:45	10/28/15 13:07	7439-89-6	
Lead	0.011	mg/L	0.0050	0.0019	1	10/27/15 09:45	10/27/15 17:50	7439-92-1	
Manganese	0.058	mg/L	0.0050	0.0024	1	10/27/15 09:45	10/27/15 17:50	7439-96-5	
Nickel	0.0045J	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 17:50	7440-02-0	B
Selenium	<0.0058	mg/L	0.015	0.0058	1	10/27/15 09:45	10/27/15 17:50	7782-49-2	
Silver	<0.0011	mg/L	0.0070	0.0011	1	10/27/15 09:45	10/27/15 17:50	7440-22-4	
Zinc	0.021J	mg/L	0.050	0.0026	1	10/27/15 09:45	10/27/15 17:50	7440-66-6	B

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/25/15 00:00

Arsenic	0.010J	mg/L	0.050	0.0045	1	10/27/15 09:45	10/27/15 16:54	7440-38-2	B
Barium	0.39	mg/L	0.25	0.00052	1	10/27/15 09:45	10/27/15 16:54	7440-39-3	
Beryllium	<0.00017	mg/L	0.0050	0.00017	1	10/27/15 09:45	10/27/15 16:54	7440-41-7	
Cadmium	0.0019J	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 16:54	7440-43-9	B

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-6 (0-5)-101415 Lab ID: 40122890013 Collected: 10/14/15 13:00 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/25/15 00:00									
Chromium	0.0012J	mg/L	0.010	0.00096	1	10/27/15 09:45	10/27/15 16:54	7440-47-3	B
Cobalt	<0.00080	mg/L	0.010	0.00080	1	10/27/15 09:45	10/27/15 16:54	7440-48-4	
Copper	0.0079J	mg/L	0.020	0.00083	1	10/27/15 09:45	10/28/15 12:11	7440-50-8	B
Iron	0.011J	mg/L	0.10	0.0090	1	10/27/15 09:45	10/28/15 12:11	7439-89-6	B
Lead	<0.0019	mg/L	0.050	0.0019	1	10/27/15 09:45	10/27/15 16:54	7439-92-1	
Manganese	0.49	mg/L	0.010	0.0024	1	10/27/15 09:45	10/27/15 16:54	7439-96-5	
Nickel	0.0068J	mg/L	0.010	0.00056	1	10/27/15 09:45	10/27/15 16:54	7440-02-0	B
Selenium	0.0082J	mg/L	0.050	0.0058	1	10/27/15 09:45	10/27/15 16:54	7782-49-2	B
Silver	<0.0011	mg/L	0.010	0.0011	1	10/27/15 09:45	10/27/15 16:54	7440-22-4	
Zinc	0.048J	mg/L	0.25	0.0026	1	10/27/15 09:45	10/27/15 16:54	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/25/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/27/15 12:00	10/27/15 16:29	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/25/15 00:00									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/27/15 12:00	10/27/15 15:42	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.039J	mg/kg	0.050	0.0026	1	10/19/15 10:00	10/19/15 16:38	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<69.0	ug/kg	230	69.0	1	10/16/15 13:41	10/20/15 18:38	83-32-9	
Acenaphthylene	<69.4	ug/kg	232	69.4	1	10/16/15 13:41	10/20/15 18:38	208-96-8	
Anthracene	<31.1	ug/kg	104	31.1	1	10/16/15 13:41	10/20/15 18:38	120-12-7	
Benzo(a)anthracene	104	ug/kg	100	30.1	1	10/16/15 13:41	10/20/15 18:38	56-55-3	
Benzo(a)pyrene	114	ug/kg	97.6	29.3	1	10/16/15 13:41	10/20/15 18:38	50-32-8	
Benzo(b)fluoranthene	121	ug/kg	111	33.4	1	10/16/15 13:41	10/20/15 18:38	205-99-2	
Benzo(g,h,i)perylene	136J	ug/kg	170	50.9	1	10/16/15 13:41	10/20/15 18:38	191-24-2	
Benzo(k)fluoranthene	119J	ug/kg	155	46.6	1	10/16/15 13:41	10/20/15 18:38	207-08-9	
4-Bromophenylphenyl ether	<40.8	ug/kg	136	40.8	1	10/16/15 13:41	10/20/15 18:38	101-55-3	
Butylbenzylphthalate	121	ug/kg	104	31.2	1	10/16/15 13:41	10/20/15 18:38	85-68-7	
Carbazole	<30.5	ug/kg	102	30.5	1	10/16/15 13:41	10/20/15 18:38	86-74-8	
4-Chloro-3-methylphenol	<60.6	ug/kg	202	60.6	1	10/16/15 13:41	10/20/15 18:38	59-50-7	
4-Chloroaniline	<32.0	ug/kg	107	32.0	1	10/16/15 13:41	10/20/15 18:38	106-47-8	
bis(2-Chloroethoxy)methane	<52.4	ug/kg	175	52.4	1	10/16/15 13:41	10/20/15 18:38	111-91-1	
bis(2-Chloroethyl) ether	<60.8	ug/kg	203	60.8	1	10/16/15 13:41	10/20/15 18:38	111-44-4	
2-Chloronaphthalene	<25.0	ug/kg	83.3	25.0	1	10/16/15 13:41	10/20/15 18:38	91-58-7	
2-Chlorophenol	<48.6	ug/kg	162	48.6	1	10/16/15 13:41	10/20/15 18:38	95-57-8	
4-Chlorophenylphenyl ether	<36.3	ug/kg	121	36.3	1	10/16/15 13:41	10/20/15 18:38	7005-72-3	
Chrysene	137	ug/kg	97.0	29.1	1	10/16/15 13:41	10/20/15 18:38	218-01-9	
Dibenz(a,h)anthracene	55.8J	ug/kg	176	52.9	1	10/16/15 13:41	10/20/15 18:38	53-70-3	
Dibenzofuran	<23.6	ug/kg	78.6	23.6	1	10/16/15 13:41	10/20/15 18:38	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-6 (0-5)-101415 Lab ID: 40122890013 Collected: 10/14/15 13:00 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<61.2	ug/kg	204	61.2	1	10/16/15 13:41	10/20/15 18:38	95-50-1	
1,3-Dichlorobenzene	<27.0	ug/kg	89.9	27.0	1	10/16/15 13:41	10/20/15 18:38	541-73-1	
1,4-Dichlorobenzene	<27.1	ug/kg	90.4	27.1	1	10/16/15 13:41	10/20/15 18:38	106-46-7	
3,3'-Dichlorobenzidine	<52.8	ug/kg	176	52.8	1	10/16/15 13:41	10/20/15 18:38	91-94-1	
2,4-Dichlorophenol	<52.0	ug/kg	173	52.0	1	10/16/15 13:41	10/20/15 18:38	120-83-2	
Diethylphthalate	<32.3	ug/kg	108	32.3	1	10/16/15 13:41	10/20/15 18:38	84-66-2	
2,4-Dimethylphenol	<38.5	ug/kg	128	38.5	1	10/16/15 13:41	10/20/15 18:38	105-67-9	
Dimethylphthalate	<25.3	ug/kg	84.4	25.3	1	10/16/15 13:41	10/20/15 18:38	131-11-3	
Di-n-butylphthalate	<29.1	ug/kg	97.0	29.1	1	10/16/15 13:41	10/20/15 18:38	84-74-2	
4,6-Dinitro-2-methylphenol	<60.0	ug/kg	200	60.0	1	10/16/15 13:41	10/20/15 18:38	534-52-1	
2,4-Dinitrophenol	<59.3	ug/kg	198	59.3	1	10/16/15 13:41	10/20/15 18:38	51-28-5	
2,4-Dinitrotoluene	<27.8	ug/kg	92.8	27.8	1	10/16/15 13:41	10/20/15 18:38	121-14-2	
2,6-Dinitrotoluene	<37.0	ug/kg	123	37.0	1	10/16/15 13:41	10/20/15 18:38	606-20-2	
Di-n-octylphthalate	<43.8	ug/kg	146	43.8	1	10/16/15 13:41	10/20/15 18:38	117-84-0	
bis(2-Ethylhexyl)phthalate	<32.4	ug/kg	108	32.4	1	10/16/15 13:41	10/20/15 18:38	117-81-7	
Fluoranthene	114	ug/kg	91.8	27.5	1	10/16/15 13:41	10/20/15 18:38	206-44-0	
Fluorene	<22.8	ug/kg	75.8	22.8	1	10/16/15 13:41	10/20/15 18:38	86-73-7	
Hexachloro-1,3-butadiene	<49.6	ug/kg	165	49.6	1	10/16/15 13:41	10/20/15 18:38	87-68-3	
Hexachlorobenzene	<32.7	ug/kg	109	32.7	1	10/16/15 13:41	10/20/15 18:38	118-74-1	
Hexachlorocyclopentadiene	<46.1	ug/kg	154	46.1	1	10/16/15 13:41	10/20/15 18:38	77-47-4	
Hexachloroethane	<31.2	ug/kg	104	31.2	1	10/16/15 13:41	10/20/15 18:38	67-72-1	
Indeno(1,2,3-cd)pyrene	126J	ug/kg	140	42.1	1	10/16/15 13:41	10/20/15 18:38	193-39-5	
Isophorone	<29.9	ug/kg	99.8	29.9	1	10/16/15 13:41	10/20/15 18:38	78-59-1	
2-Methylnaphthalene	<50.6	ug/kg	168	50.6	1	10/16/15 13:41	10/20/15 18:38	91-57-6	
2-Methylphenol(o-Cresol)	<35.4	ug/kg	118	35.4	1	10/16/15 13:41	10/20/15 18:38	95-48-7	
3&4-Methylphenol(m&p Cresol)	<35.7	ug/kg	119	35.7	1	10/16/15 13:41	10/20/15 18:38		
Naphthalene	<68.1	ug/kg	227	68.1	1	10/16/15 13:41	10/20/15 18:38	91-20-3	
2-Nitroaniline	<55.5	ug/kg	185	55.5	1	10/16/15 13:41	10/20/15 18:38	88-74-4	
3-Nitroaniline	<33.1	ug/kg	110	33.1	1	10/16/15 13:41	10/20/15 18:38	99-09-2	
4-Nitroaniline	<80.8	ug/kg	269	80.8	1	10/16/15 13:41	10/20/15 18:38	100-01-6	
Nitrobenzene	<39.5	ug/kg	132	39.5	1	10/16/15 13:41	10/20/15 18:38	98-95-3	
2-Nitrophenol	<61.4	ug/kg	205	61.4	1	10/16/15 13:41	10/20/15 18:38	88-75-5	
4-Nitrophenol	<49.0	ug/kg	163	49.0	1	10/16/15 13:41	10/20/15 18:38	100-02-7	
N-Nitroso-di-n-propylamine	<30.9	ug/kg	103	30.9	1	10/16/15 13:41	10/20/15 18:38	621-64-7	
N-Nitrosodiphenylamine	<264	ug/kg	880	264	1	10/16/15 13:41	10/20/15 18:38	86-30-6	
2,2'-Oxybis(1-chloropropane)	<50.2	ug/kg	167	50.2	1	10/16/15 13:41	10/20/15 18:38	108-60-1	
Pentachlorophenol	<42.9	ug/kg	143	42.9	1	10/16/15 13:41	10/20/15 18:38	87-86-5	
Phenanthrene	90.1	ug/kg	83.3	25.0	1	10/16/15 13:41	10/20/15 18:38	85-01-8	
Phenol	<46.2	ug/kg	154	46.2	1	10/16/15 13:41	10/20/15 18:38	108-95-2	
Pyrene	312	ug/kg	144	43.2	1	10/16/15 13:41	10/20/15 18:38	129-00-0	
1,2,4-Trichlorobenzene	<22.0	ug/kg	73.4	22.0	1	10/16/15 13:41	10/20/15 18:38	120-82-1	
2,4,5-Trichlorophenol	<34.4	ug/kg	115	34.4	1	10/16/15 13:41	10/20/15 18:38	95-95-4	
2,4,6-Trichlorophenol	<29.7	ug/kg	98.9	29.7	1	10/16/15 13:41	10/20/15 18:38	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	73	%	45-130		1	10/16/15 13:41	10/20/15 18:38	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-6 (0-5)-101415 Lab ID: 40122890013 Collected: 10/14/15 13:00 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
<i>Surrogates</i>									
2-Fluorobiphenyl (S)	84	%	51-130		1	10/16/15 13:41	10/20/15 18:38	321-60-8	
Terphenyl-d14 (S)	181	%	37-134		1	10/16/15 13:41	10/20/15 18:38	1718-51-0	S0
Phenol-d6 (S)	89	%	36-130		1	10/16/15 13:41	10/20/15 18:38	13127-88-3	
2-Fluorophenol (S)	75	%	37-130		1	10/16/15 13:41	10/20/15 18:38	367-12-4	
2,4,6-Tribromophenol (S)	76	%	30-130		1	10/16/15 13:41	10/20/15 18:38	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<3.7	ug/kg	11.9	3.7	1	10/16/15 12:00	10/17/15 00:08	67-64-1	2q
Benzene	<0.96	ug/kg	3.0	0.96	1	10/16/15 12:00	10/17/15 00:08	71-43-2	
Bromodichloromethane	<0.65	ug/kg	3.0	0.65	1	10/16/15 12:00	10/17/15 00:08	75-27-4	
Bromoform	<0.50	ug/kg	3.0	0.50	1	10/16/15 12:00	10/17/15 00:08	75-25-2	
Bromomethane	<0.89	ug/kg	5.9	0.89	1	10/16/15 12:00	10/17/15 00:08	74-83-9	
2-Butanone (MEK)	<1.7	ug/kg	11.9	1.7	1	10/16/15 12:00	10/17/15 00:08	78-93-3	
Carbon disulfide	<0.77	ug/kg	3.0	0.77	1	10/16/15 12:00	10/17/15 00:08	75-15-0	
Carbon tetrachloride	<0.94	ug/kg	3.0	0.94	1	10/16/15 12:00	10/17/15 00:08	56-23-5	
Chlorobenzene	<0.94	ug/kg	3.0	0.94	1	10/16/15 12:00	10/17/15 00:08	108-90-7	
Chloroethane	<1.2	ug/kg	3.0	1.2	1	10/16/15 12:00	10/17/15 00:08	75-00-3	
Chloroform	<0.56	ug/kg	3.0	0.56	1	10/16/15 12:00	10/17/15 00:08	67-66-3	
Chloromethane	<0.33	ug/kg	3.0	0.33	1	10/16/15 12:00	10/17/15 00:08	74-87-3	
Dibromochloromethane	<1.0	ug/kg	3.0	1.0	1	10/16/15 12:00	10/17/15 00:08	124-48-1	
1,1-Dichloroethane	<1.4	ug/kg	3.0	1.4	1	10/16/15 12:00	10/17/15 00:08	75-34-3	
1,2-Dichloroethane	<0.58	ug/kg	3.0	0.58	1	10/16/15 12:00	10/17/15 00:08	107-06-2	
1,1-Dichloroethene	<1.3	ug/kg	3.0	1.3	1	10/16/15 12:00	10/17/15 00:08	75-35-4	
cis-1,2-Dichloroethene	<0.79	ug/kg	3.0	0.79	1	10/16/15 12:00	10/17/15 00:08	156-59-2	
trans-1,2-Dichloroethene	<0.73	ug/kg	3.0	0.73	1	10/16/15 12:00	10/17/15 00:08	156-60-5	
1,2-Dichloropropane	<0.75	ug/kg	3.0	0.75	1	10/16/15 12:00	10/17/15 00:08	78-87-5	
cis-1,3-Dichloropropene	<0.40	ug/kg	3.0	0.40	1	10/16/15 12:00	10/17/15 00:08	10061-01-5	
trans-1,3-Dichloropropene	<0.55	ug/kg	3.0	0.55	1	10/16/15 12:00	10/17/15 00:08	10061-02-6	
Ethylbenzene	<0.86	ug/kg	3.0	0.86	1	10/16/15 12:00	10/17/15 00:08	100-41-4	
2-Hexanone	<0.88	ug/kg	3.0	0.88	1	10/16/15 12:00	10/17/15 00:08	591-78-6	
Methylene Chloride	<1.1	ug/kg	3.0	1.1	1	10/16/15 12:00	10/17/15 00:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.73	ug/kg	3.0	0.73	1	10/16/15 12:00	10/17/15 00:08	108-10-1	
Methyl-tert-butyl ether	<0.60	ug/kg	3.0	0.60	1	10/16/15 12:00	10/17/15 00:08	1634-04-4	
Styrene	<0.45	ug/kg	3.0	0.45	1	10/16/15 12:00	10/17/15 00:08	100-42-5	
1,1,2,2-Tetrachloroethane	<1.2	ug/kg	3.0	1.2	1	10/16/15 12:00	10/17/15 00:08	79-34-5	
Tetrachloroethene	<0.93	ug/kg	3.0	0.93	1	10/16/15 12:00	10/17/15 00:08	127-18-4	
Toluene	<0.88	ug/kg	3.0	0.88	1	10/16/15 12:00	10/17/15 00:08	108-88-3	
1,1,1-Trichloroethane	<0.92	ug/kg	3.0	0.92	1	10/16/15 12:00	10/17/15 00:08	71-55-6	
1,1,2-Trichloroethane	<1.1	ug/kg	3.0	1.1	1	10/16/15 12:00	10/17/15 00:08	79-00-5	
Trichloroethene	<1.1	ug/kg	3.0	1.1	1	10/16/15 12:00	10/17/15 00:08	79-01-6	
Vinyl chloride	<0.32	ug/kg	3.0	0.32	1	10/16/15 12:00	10/17/15 00:08	75-01-4	
Xylene (Total)	<2.7	ug/kg	8.9	2.7	1	10/16/15 12:00	10/17/15 00:08	1330-20-7	
<i>Surrogates</i>									
Dibromofluoromethane (S)	104	%	70-130		1	10/16/15 12:00	10/17/15 00:08	1868-53-7	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-6 (0-5)-101415 **Lab ID: 40122890013** Collected: 10/14/15 13:00 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	101	%	67-138		1	10/16/15 12:00	10/17/15 00:08	2037-26-5	
4-Bromofluorobenzene (S)	95	%	68-130		1	10/16/15 12:00	10/17/15 00:08	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	14.3	%	0.10	0.10	1		10/15/15 14:33		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.02	Std. Units	0.100	0.0100	1		10/16/15 17:00		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-12 (0-5)-101415 Lab ID: 40122890039 Collected: 10/14/15 11:25 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.11	mg/kg	3.3	0.11	1	10/20/15 08:25	10/22/15 01:56	7440-36-0	
Arsenic	5.3	mg/kg	1.1	0.30	1	10/20/15 08:25	10/22/15 01:56	7440-38-2	
Barium	39.1	mg/kg	22.1	0.29	1	10/20/15 08:25	10/22/15 01:56	7440-39-3	
Beryllium	0.21J	mg/kg	0.55	0.087	1	10/20/15 08:25	10/22/15 01:56	7440-41-7	
Cadmium	0.17J	mg/kg	0.55	0.071	1	10/20/15 08:25	10/22/15 01:56	7440-43-9	
Calcium	11600	mg/kg	110	3.0	1	10/20/15 08:25	10/22/15 01:56	7440-70-2	
Chromium	10.9	mg/kg	1.1	0.33	1	10/20/15 08:25	10/22/15 01:56	7440-47-3	
Cobalt	6.0	mg/kg	1.1	0.15	1	10/20/15 08:25	10/22/15 01:56	7440-48-4	
Copper	13.8	mg/kg	1.1	0.41	1	10/20/15 08:25	10/22/15 01:56	7440-50-8	
Iron	12800	mg/kg	5.5	0.85	1	10/20/15 08:25	10/22/15 01:56	7439-89-6	
Lead	19.6	mg/kg	0.55	0.30	1	10/20/15 08:25	10/22/15 01:56	7439-92-1	
Magnesium	7560	mg/kg	110	3.2	1	10/20/15 08:25	10/22/15 01:56	7439-95-4	
Manganese	356	mg/kg	1.1	0.21	1	10/20/15 08:25	10/22/15 01:56	7439-96-5	
Nickel	10.6	mg/kg	4.4	1.2	1	10/20/15 08:25	10/22/15 01:56	7440-02-0	
Potassium	754	mg/kg	110	3.5	1	10/20/15 08:25	10/22/15 01:56	7440-09-7	
Selenium	<0.23	mg/kg	2.2	0.23	1	10/20/15 08:25	10/22/15 01:56	7782-49-2	
Silver	<0.078	mg/kg	1.1	0.078	1	10/20/15 08:25	10/22/15 01:56	7440-22-4	
Sodium	443	mg/kg	110	18.6	1	10/20/15 08:25	10/22/15 01:56	7440-23-5	
Thallium	<0.16	mg/kg	0.55	0.16	1	10/20/15 08:25	10/22/15 01:56	7440-28-0	
Vanadium	20.3	mg/kg	5.5	0.34	1	10/20/15 08:25	10/22/15 01:56	7440-62-2	
Zinc	38.3	mg/kg	2.2	0.51	1	10/20/15 08:25	10/22/15 01:56	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/16/15 10:09

Arsenic	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:31	7440-38-2	
Barium	0.30J	mg/L	0.50	0.25	1	10/19/15 16:46	10/22/15 16:31	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:31	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/19/15 16:46	10/22/15 16:31	7440-43-9	
Chromium	0.034J	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:31	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:31	7440-48-4	
Copper	0.036J	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:31	7440-50-8	
Iron	29.1	mg/L	0.50	0.25	1	10/19/15 16:46	10/22/15 16:31	7439-89-6	
Lead	0.026	mg/L	0.0075	0.0038	1	10/19/15 16:46	10/22/15 16:31	7439-92-1	
Manganese	0.36	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:31	7439-96-5	
Nickel	0.029J	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:31	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:31	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:31	7440-22-4	
Zinc	0.17	mg/L	0.050	0.025	1	10/19/15 16:46	10/22/15 16:31	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/16/15 09:55

Arsenic	<0.025	mg/L	0.050	0.025	1	10/19/15 16:14	10/23/15 16:09	7440-38-2	
Barium	0.30J	mg/L	0.50	0.25	1	10/19/15 16:14	10/23/15 16:09	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:14	10/23/15 16:09	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/19/15 16:14	10/23/15 16:09	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-12 (0-5)-101415 Lab ID: 40122890039 Collected: 10/14/15 11:25 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/16/15 09:55									
Chromium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:14	10/23/15 16:09	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/19/15 16:14	10/23/15 16:09	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/19/15 16:14	10/23/15 16:09	7440-50-8	
Iron	<0.25	mg/L	0.50	0.25	1	10/19/15 16:14	10/23/15 16:09	7439-89-6	
Lead	<0.0030	mg/L	0.0075	0.0030	1	10/19/15 16:14	10/23/15 16:09	7439-92-1	
Manganese	0.82	mg/L	0.050	0.025	1	10/19/15 16:14	10/23/15 16:09	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/19/15 16:14	10/23/15 16:09	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:14	10/23/15 16:09	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/19/15 16:14	10/23/15 16:09	7440-22-4	
Zinc	<0.025	mg/L	0.050	0.025	1	10/19/15 16:14	10/23/15 16:09	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/16/15 10:09									
Mercury	0.16J	ug/L	0.20	0.10	1	10/22/15 10:45	10/22/15 15:54	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/16/15 09:57									
Mercury	<0.10	ug/L	0.20	0.10	1	10/22/15 10:45	10/22/15 16:54	7439-97-6	3q
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.019	mg/kg	0.017	0.0085	1	10/20/15 08:59	10/21/15 14:03	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<66.7	ug/kg	222	66.7	1	10/21/15 10:17	10/22/15 19:28	83-32-9	
Acenaphthylene	<67.1	ug/kg	224	67.1	1	10/21/15 10:17	10/22/15 19:28	208-96-8	
Anthracene	<30.1	ug/kg	100	30.1	1	10/21/15 10:17	10/22/15 19:28	120-12-7	
Benzo(a)anthracene	<29.1	ug/kg	97.1	29.1	1	10/21/15 10:17	10/22/15 19:28	56-55-3	
Benzo(a)pyrene	<28.3	ug/kg	94.3	28.3	1	10/21/15 10:17	10/22/15 19:28	50-32-8	
Benzo(b)fluoranthene	<32.3	ug/kg	108	32.3	1	10/21/15 10:17	10/22/15 19:28	205-99-2	
Benzo(g,h,i)perylene	<49.2	ug/kg	164	49.2	1	10/21/15 10:17	10/22/15 19:28	191-24-2	
Benzo(k)fluoranthene	<45.0	ug/kg	150	45.0	1	10/21/15 10:17	10/22/15 19:28	207-08-9	
4-Bromophenylphenyl ether	<39.4	ug/kg	131	39.4	1	10/21/15 10:17	10/22/15 19:28	101-55-3	
Butylbenzylphthalate	<30.2	ug/kg	101	30.2	1	10/21/15 10:17	10/22/15 19:28	85-68-7	
Carbazole	<29.4	ug/kg	98.1	29.4	1	10/21/15 10:17	10/22/15 19:28	86-74-8	
4-Chloro-3-methylphenol	<58.5	ug/kg	195	58.5	1	10/21/15 10:17	10/22/15 19:28	59-50-7	
4-Chloroaniline	<30.9	ug/kg	103	30.9	1	10/21/15 10:17	10/22/15 19:28	106-47-8	
bis(2-Chloroethoxy)methane	<50.6	ug/kg	169	50.6	1	10/21/15 10:17	10/22/15 19:28	111-91-1	
bis(2-Chloroethyl) ether	<58.7	ug/kg	196	58.7	1	10/21/15 10:17	10/22/15 19:28	111-44-4	
2-Chloronaphthalene	<24.1	ug/kg	80.5	24.1	1	10/21/15 10:17	10/22/15 19:28	91-58-7	
2-Chlorophenol	<46.9	ug/kg	156	46.9	1	10/21/15 10:17	10/22/15 19:28	95-57-8	
4-Chlorophenylphenyl ether	<35.0	ug/kg	117	35.0	1	10/21/15 10:17	10/22/15 19:28	7005-72-3	
Chrysene	<28.1	ug/kg	93.7	28.1	1	10/21/15 10:17	10/22/15 19:28	218-01-9	
Dibenz(a,h)anthracene	<51.1	ug/kg	170	51.1	1	10/21/15 10:17	10/22/15 19:28	53-70-3	
Dibenzofuran	<22.8	ug/kg	75.9	22.8	1	10/21/15 10:17	10/22/15 19:28	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-12 (0-5)-101415 Lab ID: 40122890039 Collected: 10/14/15 11:25 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<59.1	ug/kg	197	59.1	1	10/21/15 10:17	10/22/15 19:28	95-50-1	
1,3-Dichlorobenzene	<26.0	ug/kg	86.8	26.0	1	10/21/15 10:17	10/22/15 19:28	541-73-1	
1,4-Dichlorobenzene	<26.2	ug/kg	87.3	26.2	1	10/21/15 10:17	10/22/15 19:28	106-46-7	
3,3'-Dichlorobenzidine	<51.0	ug/kg	170	51.0	1	10/21/15 10:17	10/22/15 19:28	91-94-1	
2,4-Dichlorophenol	<50.3	ug/kg	168	50.3	1	10/21/15 10:17	10/22/15 19:28	120-83-2	
Diethylphthalate	<31.2	ug/kg	104	31.2	1	10/21/15 10:17	10/22/15 19:28	84-66-2	
2,4-Dimethylphenol	<37.2	ug/kg	124	37.2	1	10/21/15 10:17	10/22/15 19:28	105-67-9	
Dimethylphthalate	<24.5	ug/kg	81.5	24.5	1	10/21/15 10:17	10/22/15 19:28	131-11-3	
Di-n-butylphthalate	<28.1	ug/kg	93.7	28.1	1	10/21/15 10:17	10/22/15 19:28	84-74-2	
4,6-Dinitro-2-methylphenol	<58.0	ug/kg	193	58.0	1	10/21/15 10:17	10/22/15 19:28	534-52-1	
2,4-Dinitrophenol	<57.3	ug/kg	191	57.3	1	10/21/15 10:17	10/22/15 19:28	51-28-5	M1
2,4-Dinitrotoluene	<26.9	ug/kg	89.7	26.9	1	10/21/15 10:17	10/22/15 19:28	121-14-2	
2,6-Dinitrotoluene	<35.7	ug/kg	119	35.7	1	10/21/15 10:17	10/22/15 19:28	606-20-2	
Di-n-octylphthalate	<42.3	ug/kg	141	42.3	1	10/21/15 10:17	10/22/15 19:28	117-84-0	
bis(2-Ethylhexyl)phthalate	<31.3	ug/kg	104	31.3	1	10/21/15 10:17	10/22/15 19:28	117-81-7	
Fluoranthene	<26.6	ug/kg	88.7	26.6	1	10/21/15 10:17	10/22/15 19:28	206-44-0	
Fluorene	<22.0	ug/kg	73.3	22.0	1	10/21/15 10:17	10/22/15 19:28	86-73-7	
Hexachloro-1,3-butadiene	<47.9	ug/kg	160	47.9	1	10/21/15 10:17	10/22/15 19:28	87-68-3	
Hexachlorobenzene	<31.6	ug/kg	105	31.6	1	10/21/15 10:17	10/22/15 19:28	118-74-1	
Hexachlorocyclopentadiene	<44.5	ug/kg	148	44.5	1	10/21/15 10:17	10/22/15 19:28	77-47-4	R1
Hexachloroethane	<30.1	ug/kg	100	30.1	1	10/21/15 10:17	10/22/15 19:28	67-72-1	
Indeno(1,2,3-cd)pyrene	<40.7	ug/kg	136	40.7	1	10/21/15 10:17	10/22/15 19:28	193-39-5	
Isophorone	<28.9	ug/kg	96.4	28.9	1	10/21/15 10:17	10/22/15 19:28	78-59-1	
2-Methylnaphthalene	<48.8	ug/kg	163	48.8	1	10/21/15 10:17	10/22/15 19:28	91-57-6	
2-Methylphenol(o-Cresol)	<34.2	ug/kg	114	34.2	1	10/21/15 10:17	10/22/15 19:28	95-48-7	
3&4-Methylphenol(m&p Cresol)	<34.5	ug/kg	115	34.5	1	10/21/15 10:17	10/22/15 19:28		
Naphthalene	<65.8	ug/kg	219	65.8	1	10/21/15 10:17	10/22/15 19:28	91-20-3	
2-Nitroaniline	<53.6	ug/kg	179	53.6	1	10/21/15 10:17	10/22/15 19:28	88-74-4	
3-Nitroaniline	<32.0	ug/kg	107	32.0	1	10/21/15 10:17	10/22/15 19:28	99-09-2	
4-Nitroaniline	<78.1	ug/kg	260	78.1	1	10/21/15 10:17	10/22/15 19:28	100-01-6	
Nitrobenzene	<38.1	ug/kg	127	38.1	1	10/21/15 10:17	10/22/15 19:28	98-95-3	
2-Nitrophenol	<59.4	ug/kg	198	59.4	1	10/21/15 10:17	10/22/15 19:28	88-75-5	
4-Nitrophenol	<47.4	ug/kg	158	47.4	1	10/21/15 10:17	10/22/15 19:28	100-02-7	
N-Nitroso-di-n-propylamine	<29.8	ug/kg	99.4	29.8	1	10/21/15 10:17	10/22/15 19:28	621-64-7	
N-Nitrosodiphenylamine	<255	ug/kg	851	255	1	10/21/15 10:17	10/22/15 19:28	86-30-6	
2,2'-Oxybis(1-chloropropane)	<48.5	ug/kg	162	48.5	1	10/21/15 10:17	10/22/15 19:28	108-60-1	
Pentachlorophenol	<41.4	ug/kg	138	41.4	1	10/21/15 10:17	10/22/15 19:28	87-86-5	
Phenanthrene	<24.1	ug/kg	80.4	24.1	1	10/21/15 10:17	10/22/15 19:28	85-01-8	
Phenol	<44.6	ug/kg	149	44.6	1	10/21/15 10:17	10/22/15 19:28	108-95-2	
Pyrene	<41.7	ug/kg	139	41.7	1	10/21/15 10:17	10/22/15 19:28	129-00-0	
1,2,4-Trichlorobenzene	<21.3	ug/kg	70.9	21.3	1	10/21/15 10:17	10/22/15 19:28	120-82-1	
2,4,5-Trichlorophenol	<33.2	ug/kg	111	33.2	1	10/21/15 10:17	10/22/15 19:28	95-95-4	
2,4,6-Trichlorophenol	<28.7	ug/kg	95.6	28.7	1	10/21/15 10:17	10/22/15 19:28	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	51	%	45-130		1	10/21/15 10:17	10/22/15 19:28	4165-60-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-12 (0-5)-101415 Lab ID: 40122890039 Collected: 10/14/15 11:25 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	63	%	51-130		1	10/21/15 10:17	10/22/15 19:28	321-60-8	
Terphenyl-d14 (S)	131	%	37-134		1	10/21/15 10:17	10/22/15 19:28	1718-51-0	
Phenol-d6 (S)	59	%	36-130		1	10/21/15 10:17	10/22/15 19:28	13127-88-3	
2-Fluorophenol (S)	44	%	37-130		1	10/21/15 10:17	10/22/15 19:28	367-12-4	
2,4,6-Tribromophenol (S)	60	%	30-130		1	10/21/15 10:17	10/22/15 19:28	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<3.8	ug/kg	12.1	3.8	1	10/19/15 12:00	10/19/15 19:26	67-64-1	2q
Benzene	<0.97	ug/kg	3.0	0.97	1	10/19/15 12:00	10/19/15 19:26	71-43-2	
Bromodichloromethane	<0.66	ug/kg	3.0	0.66	1	10/19/15 12:00	10/19/15 19:26	75-27-4	
Bromoform	<0.51	ug/kg	3.0	0.51	1	10/19/15 12:00	10/19/15 19:26	75-25-2	
Bromomethane	<0.91	ug/kg	6.1	0.91	1	10/19/15 12:00	10/19/15 19:26	74-83-9	
2-Butanone (MEK)	<1.7	ug/kg	12.1	1.7	1	10/19/15 12:00	10/19/15 19:26	78-93-3	
Carbon disulfide	<0.78	ug/kg	3.0	0.78	1	10/19/15 12:00	10/19/15 19:26	75-15-0	
Carbon tetrachloride	<0.96	ug/kg	3.0	0.96	1	10/19/15 12:00	10/19/15 19:26	56-23-5	
Chlorobenzene	<0.96	ug/kg	3.0	0.96	1	10/19/15 12:00	10/19/15 19:26	108-90-7	
Chloroethane	<1.2	ug/kg	3.0	1.2	1	10/19/15 12:00	10/19/15 19:26	75-00-3	
Chloroform	<0.57	ug/kg	3.0	0.57	1	10/19/15 12:00	10/19/15 19:26	67-66-3	
Chloromethane	<0.34	ug/kg	3.0	0.34	1	10/19/15 12:00	10/19/15 19:26	74-87-3	
Dibromochloromethane	<1.0	ug/kg	3.0	1.0	1	10/19/15 12:00	10/19/15 19:26	124-48-1	
1,1-Dichloroethane	<1.4	ug/kg	3.0	1.4	1	10/19/15 12:00	10/19/15 19:26	75-34-3	
1,2-Dichloroethane	<0.59	ug/kg	3.0	0.59	1	10/19/15 12:00	10/19/15 19:26	107-06-2	
1,1-Dichloroethene	<1.4	ug/kg	3.0	1.4	1	10/19/15 12:00	10/19/15 19:26	75-35-4	
cis-1,2-Dichloroethene	<0.80	ug/kg	3.0	0.80	1	10/19/15 12:00	10/19/15 19:26	156-59-2	
trans-1,2-Dichloroethene	<0.75	ug/kg	3.0	0.75	1	10/19/15 12:00	10/19/15 19:26	156-60-5	
1,2-Dichloropropane	<0.76	ug/kg	3.0	0.76	1	10/19/15 12:00	10/19/15 19:26	78-87-5	
cis-1,3-Dichloropropene	<0.40	ug/kg	3.0	0.40	1	10/19/15 12:00	10/19/15 19:26	10061-01-5	
trans-1,3-Dichloropropene	<0.56	ug/kg	3.0	0.56	1	10/19/15 12:00	10/19/15 19:26	10061-02-6	
Ethylbenzene	<0.87	ug/kg	3.0	0.87	1	10/19/15 12:00	10/19/15 19:26	100-41-4	
2-Hexanone	<0.90	ug/kg	3.0	0.90	1	10/19/15 12:00	10/19/15 19:26	591-78-6	
Methylene Chloride	<1.1	ug/kg	3.0	1.1	1	10/19/15 12:00	10/19/15 19:26	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	<0.74	ug/kg	3.0	0.74	1	10/19/15 12:00	10/19/15 19:26	108-10-1	
Methyl-tert-butyl ether	<0.61	ug/kg	3.0	0.61	1	10/19/15 12:00	10/19/15 19:26	1634-04-4	
Styrene	<0.46	ug/kg	3.0	0.46	1	10/19/15 12:00	10/19/15 19:26	100-42-5	
1,1,2,2-Tetrachloroethane	<1.3	ug/kg	3.0	1.3	1	10/19/15 12:00	10/19/15 19:26	79-34-5	
Tetrachloroethene	<0.95	ug/kg	3.0	0.95	1	10/19/15 12:00	10/19/15 19:26	127-18-4	
Toluene	<0.90	ug/kg	3.0	0.90	1	10/19/15 12:00	10/19/15 19:26	108-88-3	
1,1,1-Trichloroethane	<0.93	ug/kg	3.0	0.93	1	10/19/15 12:00	10/19/15 19:26	71-55-6	
1,1,2-Trichloroethane	<1.2	ug/kg	3.0	1.2	1	10/19/15 12:00	10/19/15 19:26	79-00-5	
Trichloroethene	<1.2	ug/kg	3.0	1.2	1	10/19/15 12:00	10/19/15 19:26	79-01-6	
Vinyl chloride	<0.33	ug/kg	3.0	0.33	1	10/19/15 12:00	10/19/15 19:26	75-01-4	
Xylene (Total)	<2.7	ug/kg	9.1	2.7	1	10/19/15 12:00	10/19/15 19:26	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	105	%	70-130		1	10/19/15 12:00	10/19/15 19:26	1868-53-7	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-12 (0-5)-101415 **Lab ID: 40122890039** Collected: 10/14/15 11:25 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	104	%	67-138		1	10/19/15 12:00	10/19/15 19:26	2037-26-5	
4-Bromofluorobenzene (S)	95	%	68-130		1	10/19/15 12:00	10/19/15 19:26	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	11.2	%	0.10	0.10	1		10/15/15 18:37		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	8.25	Std. Units	0.100	0.0100	1		10/19/15 11:45		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-6 (5-9)-101415 Lab ID: 40122890053 Collected: 10/14/15 15:10 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.091	mg/kg	2.7	0.091	1	10/20/15 08:25	10/22/15 02:57	7440-36-0	
Arsenic	3.2	mg/kg	0.91	0.25	1	10/20/15 08:25	10/22/15 02:57	7440-38-2	
Barium	34.6	mg/kg	18.1	0.24	1	10/20/15 08:25	10/22/15 02:57	7440-39-3	
Beryllium	0.21J	mg/kg	0.45	0.072	1	10/20/15 08:25	10/22/15 02:57	7440-41-7	
Cadmium	0.15J	mg/kg	0.45	0.058	1	10/20/15 08:25	10/22/15 02:57	7440-43-9	
Calcium	72300	mg/kg	907	24.2	10	10/20/15 08:25	10/22/15 15:19	7440-70-2	
Chromium	10.3	mg/kg	0.91	0.27	1	10/20/15 08:25	10/22/15 02:57	7440-47-3	
Cobalt	3.3	mg/kg	0.91	0.12	1	10/20/15 08:25	10/22/15 02:57	7440-48-4	
Copper	11.8	mg/kg	0.91	0.33	1	10/20/15 08:25	10/22/15 02:57	7440-50-8	
Iron	9930	mg/kg	4.5	0.70	1	10/20/15 08:25	10/22/15 02:57	7439-89-6	
Lead	19.8	mg/kg	0.45	0.25	1	10/20/15 08:25	10/22/15 02:57	7439-92-1	
Magnesium	39500	mg/kg	90.7	2.6	1	10/20/15 08:25	10/22/15 02:57	7439-95-4	
Manganese	306	mg/kg	0.91	0.17	1	10/20/15 08:25	10/22/15 02:57	7439-96-5	
Nickel	7.0	mg/kg	3.6	0.97	1	10/20/15 08:25	10/22/15 02:57	7440-02-0	
Potassium	522	mg/kg	90.7	2.8	1	10/20/15 08:25	10/22/15 02:57	7440-09-7	
Selenium	0.51J	mg/kg	1.8	0.19	1	10/20/15 08:25	10/22/15 02:57	7782-49-2	
Silver	<0.064	mg/kg	0.91	0.064	1	10/20/15 08:25	10/22/15 02:57	7440-22-4	
Sodium	559	mg/kg	90.7	15.2	1	10/20/15 08:25	10/22/15 02:57	7440-23-5	
Thallium	<0.13	mg/kg	0.45	0.13	1	10/20/15 08:25	10/22/15 02:57	7440-28-0	
Vanadium	15.5	mg/kg	4.5	0.28	1	10/20/15 08:25	10/22/15 02:57	7440-62-2	
Zinc	23.6	mg/kg	1.8	0.42	1	10/20/15 08:25	10/22/15 02:57	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/18/15 12:40

Arsenic	<0.025	mg/L	0.050	0.025	1	10/20/15 10:12	10/23/15 15:55	7440-38-2	
Barium	0.77	mg/L	0.50	0.25	1	10/20/15 10:12	10/23/15 15:55	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/20/15 10:12	10/23/15 15:55	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/20/15 10:12	10/23/15 15:55	7440-43-9	
Chromium	0.026J	mg/L	0.050	0.025	1	10/20/15 10:12	10/23/15 15:55	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/20/15 10:12	10/23/15 15:55	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/20/15 10:12	10/23/15 15:55	7440-50-8	
Iron	22.4	mg/L	0.50	0.25	1	10/20/15 10:12	10/23/15 15:55	7439-89-6	
Lead	0.012	mg/L	0.0075	0.0038	1	10/20/15 10:12	10/23/15 15:55	7439-92-1	
Manganese	0.29	mg/L	0.050	0.025	1	10/20/15 10:12	10/23/15 15:55	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/20/15 10:12	10/23/15 15:55	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/20/15 10:12	10/23/15 15:55	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/20/15 10:12	10/23/15 15:55	7440-22-4	
Zinc	0.21	mg/L	0.050	0.025	1	10/20/15 10:12	10/23/15 15:55	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/18/15 12:39

Arsenic	<0.025	mg/L	0.050	0.025	1	10/19/15 16:14	10/22/15 18:33	7440-38-2	
Barium	0.33J	mg/L	0.50	0.25	1	10/19/15 16:14	10/22/15 18:33	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:14	10/22/15 18:33	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/19/15 16:14	10/22/15 18:33	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-6 (5-9)-101415 Lab ID: 40122890053 Collected: 10/14/15 15:10 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/18/15 12:39									
Chromium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:14	10/22/15 18:33	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/19/15 16:14	10/22/15 18:33	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/19/15 16:14	10/22/15 18:33	7440-50-8	
Iron	<0.25	mg/L	0.50	0.25	1	10/19/15 16:14	10/22/15 18:33	7439-89-6	
Lead	<0.0030	mg/L	0.0075	0.0030	1	10/19/15 16:14	10/22/15 18:33	7439-92-1	
Manganese	1.1	mg/L	0.050	0.025	1	10/19/15 16:14	10/22/15 18:33	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/19/15 16:14	10/22/15 18:33	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/19/15 16:14	10/22/15 18:33	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/19/15 16:14	10/22/15 18:33	7440-22-4	
Zinc	0.041J	mg/L	0.050	0.025	1	10/19/15 16:14	10/22/15 18:33	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/18/15 12:40									
Mercury	0.13J	ug/L	0.20	0.10	1	10/22/15 10:45	10/22/15 16:45	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/18/15 12:39									
Mercury	<0.10	ug/L	0.20	0.10	1	10/22/15 10:45	10/22/15 17:48	7439-97-6	3q
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.0098J	mg/kg	0.020	0.0098	1	10/20/15 08:59	10/21/15 14:40	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<65.5	ug/kg	218	65.5	1	10/21/15 10:17	10/22/15 14:35	83-32-9	
Acenaphthylene	<65.9	ug/kg	220	65.9	1	10/21/15 10:17	10/22/15 14:35	208-96-8	
Anthracene	<29.5	ug/kg	98.4	29.5	1	10/21/15 10:17	10/22/15 14:35	120-12-7	
Benzo(a)anthracene	<28.6	ug/kg	95.4	28.6	1	10/21/15 10:17	10/22/15 14:35	56-55-3	
Benzo(a)pyrene	51.2J	ug/kg	92.6	27.8	1	10/21/15 10:17	10/22/15 14:35	50-32-8	
Benzo(b)fluoranthene	43.9J	ug/kg	106	31.7	1	10/21/15 10:17	10/22/15 14:35	205-99-2	
Benzo(g,h,i)perylene	<48.3	ug/kg	161	48.3	1	10/21/15 10:17	10/22/15 14:35	191-24-2	
Benzo(k)fluoranthene	45.2J	ug/kg	147	44.2	1	10/21/15 10:17	10/22/15 14:35	207-08-9	
4-Bromophenylphenyl ether	<38.7	ug/kg	129	38.7	1	10/21/15 10:17	10/22/15 14:35	101-55-3	
Butylbenzylphthalate	<29.6	ug/kg	98.7	29.6	1	10/21/15 10:17	10/22/15 14:35	85-68-7	
Carbazole	<28.9	ug/kg	96.4	28.9	1	10/21/15 10:17	10/22/15 14:35	86-74-8	
4-Chloro-3-methylphenol	<57.5	ug/kg	192	57.5	1	10/21/15 10:17	10/22/15 14:35	59-50-7	
4-Chloroaniline	<30.4	ug/kg	101	30.4	1	10/21/15 10:17	10/22/15 14:35	106-47-8	
bis(2-Chloroethoxy)methane	<49.7	ug/kg	166	49.7	1	10/21/15 10:17	10/22/15 14:35	111-91-1	
bis(2-Chloroethyl) ether	<57.7	ug/kg	192	57.7	1	10/21/15 10:17	10/22/15 14:35	111-44-4	
2-Chloronaphthalene	<23.7	ug/kg	79.1	23.7	1	10/21/15 10:17	10/22/15 14:35	91-58-7	
2-Chlorophenol	<46.1	ug/kg	154	46.1	1	10/21/15 10:17	10/22/15 14:35	95-57-8	
4-Chlorophenylphenyl ether	<34.4	ug/kg	115	34.4	1	10/21/15 10:17	10/22/15 14:35	7005-72-3	
Chrysene	36.1J	ug/kg	92.1	27.6	1	10/21/15 10:17	10/22/15 14:35	218-01-9	
Dibenz(a,h)anthracene	<50.2	ug/kg	167	50.2	1	10/21/15 10:17	10/22/15 14:35	53-70-3	
Dibenzofuran	<22.4	ug/kg	74.5	22.4	1	10/21/15 10:17	10/22/15 14:35	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-6 (5-9)-101415 Lab ID: 40122890053 Collected: 10/14/15 15:10 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<58.1	ug/kg	194	58.1	1	10/21/15 10:17	10/22/15 14:35	95-50-1	
1,3-Dichlorobenzene	<25.6	ug/kg	85.3	25.6	1	10/21/15 10:17	10/22/15 14:35	541-73-1	
1,4-Dichlorobenzene	<25.7	ug/kg	85.8	25.7	1	10/21/15 10:17	10/22/15 14:35	106-46-7	
3,3'-Dichlorobenzidine	<50.1	ug/kg	167	50.1	1	10/21/15 10:17	10/22/15 14:35	91-94-1	
2,4-Dichlorophenol	<49.4	ug/kg	165	49.4	1	10/21/15 10:17	10/22/15 14:35	120-83-2	
Diethylphthalate	<30.6	ug/kg	102	30.6	1	10/21/15 10:17	10/22/15 14:35	84-66-2	
2,4-Dimethylphenol	<36.5	ug/kg	122	36.5	1	10/21/15 10:17	10/22/15 14:35	105-67-9	
Dimethylphthalate	<24.0	ug/kg	80.1	24.0	1	10/21/15 10:17	10/22/15 14:35	131-11-3	
Di-n-butylphthalate	<27.6	ug/kg	92.0	27.6	1	10/21/15 10:17	10/22/15 14:35	84-74-2	
4,6-Dinitro-2-methylphenol	<56.9	ug/kg	190	56.9	1	10/21/15 10:17	10/22/15 14:35	534-52-1	
2,4-Dinitrophenol	<56.3	ug/kg	188	56.3	1	10/21/15 10:17	10/22/15 14:35	51-28-5	
2,4-Dinitrotoluene	<26.4	ug/kg	88.1	26.4	1	10/21/15 10:17	10/22/15 14:35	121-14-2	
2,6-Dinitrotoluene	<35.1	ug/kg	117	35.1	1	10/21/15 10:17	10/22/15 14:35	606-20-2	
Di-n-octylphthalate	<41.5	ug/kg	138	41.5	1	10/21/15 10:17	10/22/15 14:35	117-84-0	
bis(2-Ethylhexyl)phthalate	<30.7	ug/kg	102	30.7	1	10/21/15 10:17	10/22/15 14:35	117-81-7	
Fluoranthene	28.8J	ug/kg	87.1	26.1	1	10/21/15 10:17	10/22/15 14:35	206-44-0	
Fluorene	<21.6	ug/kg	72.0	21.6	1	10/21/15 10:17	10/22/15 14:35	86-73-7	
Hexachloro-1,3-butadiene	<47.1	ug/kg	157	47.1	1	10/21/15 10:17	10/22/15 14:35	87-68-3	
Hexachlorobenzene	<31.1	ug/kg	104	31.1	1	10/21/15 10:17	10/22/15 14:35	118-74-1	
Hexachlorocyclopentadiene	<43.7	ug/kg	146	43.7	1	10/21/15 10:17	10/22/15 14:35	77-47-4	
Hexachloroethane	<29.6	ug/kg	98.5	29.6	1	10/21/15 10:17	10/22/15 14:35	67-72-1	
Indeno(1,2,3-cd)pyrene	53.7J	ug/kg	133	40.0	1	10/21/15 10:17	10/22/15 14:35	193-39-5	
Isophorone	<28.4	ug/kg	94.7	28.4	1	10/21/15 10:17	10/22/15 14:35	78-59-1	
2-Methylnaphthalene	<48.0	ug/kg	160	48.0	1	10/21/15 10:17	10/22/15 14:35	91-57-6	
2-Methylphenol(o-Cresol)	<33.6	ug/kg	112	33.6	1	10/21/15 10:17	10/22/15 14:35	95-48-7	
3&4-Methylphenol(m&p Cresol)	<33.9	ug/kg	113	33.9	1	10/21/15 10:17	10/22/15 14:35		
Naphthalene	<64.6	ug/kg	215	64.6	1	10/21/15 10:17	10/22/15 14:35	91-20-3	
2-Nitroaniline	<52.6	ug/kg	175	52.6	1	10/21/15 10:17	10/22/15 14:35	88-74-4	
3-Nitroaniline	<31.4	ug/kg	105	31.4	1	10/21/15 10:17	10/22/15 14:35	99-09-2	
4-Nitroaniline	<76.7	ug/kg	256	76.7	1	10/21/15 10:17	10/22/15 14:35	100-01-6	
Nitrobenzene	<37.5	ug/kg	125	37.5	1	10/21/15 10:17	10/22/15 14:35	98-95-3	
2-Nitrophenol	<58.3	ug/kg	194	58.3	1	10/21/15 10:17	10/22/15 14:35	88-75-5	
4-Nitrophenol	<46.5	ug/kg	155	46.5	1	10/21/15 10:17	10/22/15 14:35	100-02-7	
N-Nitroso-di-n-propylamine	<29.3	ug/kg	97.7	29.3	1	10/21/15 10:17	10/22/15 14:35	621-64-7	
N-Nitrosodiphenylamine	<251	ug/kg	835	251	1	10/21/15 10:17	10/22/15 14:35	86-30-6	
2,2'-Oxybis(1-chloropropane)	<47.6	ug/kg	159	47.6	1	10/21/15 10:17	10/22/15 14:35	108-60-1	
Pentachlorophenol	<40.7	ug/kg	136	40.7	1	10/21/15 10:17	10/22/15 14:35	87-86-5	
Phenanthrene	<23.7	ug/kg	79.0	23.7	1	10/21/15 10:17	10/22/15 14:35	85-01-8	
Phenol	<43.8	ug/kg	146	43.8	1	10/21/15 10:17	10/22/15 14:35	108-95-2	
Pyrene	76.0J	ug/kg	136	40.9	1	10/21/15 10:17	10/22/15 14:35	129-00-0	
1,2,4-Trichlorobenzene	<20.9	ug/kg	69.6	20.9	1	10/21/15 10:17	10/22/15 14:35	120-82-1	
2,4,5-Trichlorophenol	<32.6	ug/kg	109	32.6	1	10/21/15 10:17	10/22/15 14:35	95-95-4	
2,4,6-Trichlorophenol	<28.2	ug/kg	93.9	28.2	1	10/21/15 10:17	10/22/15 14:35	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	64	%	45-130		1	10/21/15 10:17	10/22/15 14:35	4165-60-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-6 (5-9)-101415 Lab ID: 40122890053 Collected: 10/14/15 15:10 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	70	%	51-130		1	10/21/15 10:17	10/22/15 14:35	321-60-8	
Terphenyl-d14 (S)	185	%	37-134		1	10/21/15 10:17	10/22/15 14:35	1718-51-0	S3
Phenol-d6 (S)	86	%	36-130		1	10/21/15 10:17	10/22/15 14:35	13127-88-3	
2-Fluorophenol (S)	72	%	37-130		1	10/21/15 10:17	10/22/15 14:35	367-12-4	
2,4,6-Tribromophenol (S)	78	%	30-130		1	10/21/15 10:17	10/22/15 14:35	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.5	ug/kg	14.6	4.5	1	10/19/15 12:00	10/20/15 00:43	67-64-1	2q
Benzene	<1.2	ug/kg	3.6	1.2	1	10/19/15 12:00	10/20/15 00:43	71-43-2	
Bromodichloromethane	<0.80	ug/kg	3.6	0.80	1	10/19/15 12:00	10/20/15 00:43	75-27-4	
Bromoform	<0.62	ug/kg	3.6	0.62	1	10/19/15 12:00	10/20/15 00:43	75-25-2	
Bromomethane	<1.1	ug/kg	7.3	1.1	1	10/19/15 12:00	10/20/15 00:43	74-83-9	
2-Butanone (MEK)	<2.1	ug/kg	14.6	2.1	1	10/19/15 12:00	10/20/15 00:43	78-93-3	
Carbon disulfide	<0.94	ug/kg	3.6	0.94	1	10/19/15 12:00	10/20/15 00:43	75-15-0	
Carbon tetrachloride	<1.2	ug/kg	3.6	1.2	1	10/19/15 12:00	10/20/15 00:43	56-23-5	
Chlorobenzene	<1.2	ug/kg	3.6	1.2	1	10/19/15 12:00	10/20/15 00:43	108-90-7	
Chloroethane	<1.5	ug/kg	3.6	1.5	1	10/19/15 12:00	10/20/15 00:43	75-00-3	
Chloroform	<0.69	ug/kg	3.6	0.69	1	10/19/15 12:00	10/20/15 00:43	67-66-3	
Chloromethane	<0.41	ug/kg	3.6	0.41	1	10/19/15 12:00	10/20/15 00:43	74-87-3	
Dibromochloromethane	<1.2	ug/kg	3.6	1.2	1	10/19/15 12:00	10/20/15 00:43	124-48-1	
1,1-Dichloroethane	<1.7	ug/kg	3.6	1.7	1	10/19/15 12:00	10/20/15 00:43	75-34-3	
1,2-Dichloroethane	<0.72	ug/kg	3.6	0.72	1	10/19/15 12:00	10/20/15 00:43	107-06-2	
1,1-Dichloroethene	<1.7	ug/kg	3.6	1.7	1	10/19/15 12:00	10/20/15 00:43	75-35-4	
cis-1,2-Dichloroethene	<0.97	ug/kg	3.6	0.97	1	10/19/15 12:00	10/20/15 00:43	156-59-2	
trans-1,2-Dichloroethene	<0.90	ug/kg	3.6	0.90	1	10/19/15 12:00	10/20/15 00:43	156-60-5	
1,2-Dichloropropane	<0.92	ug/kg	3.6	0.92	1	10/19/15 12:00	10/20/15 00:43	78-87-5	
cis-1,3-Dichloropropene	<0.49	ug/kg	3.6	0.49	1	10/19/15 12:00	10/20/15 00:43	10061-01-5	
trans-1,3-Dichloropropene	<0.68	ug/kg	3.6	0.68	1	10/19/15 12:00	10/20/15 00:43	10061-02-6	
Ethylbenzene	<1.1	ug/kg	3.6	1.1	1	10/19/15 12:00	10/20/15 00:43	100-41-4	
2-Hexanone	<1.1	ug/kg	3.6	1.1	1	10/19/15 12:00	10/20/15 00:43	591-78-6	
Methylene Chloride	<1.3	ug/kg	3.6	1.3	1	10/19/15 12:00	10/20/15 00:43	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	<0.89	ug/kg	3.6	0.89	1	10/19/15 12:00	10/20/15 00:43	108-10-1	
Methyl-tert-butyl ether	<0.73	ug/kg	3.6	0.73	1	10/19/15 12:00	10/20/15 00:43	1634-04-4	
Styrene	<0.55	ug/kg	3.6	0.55	1	10/19/15 12:00	10/20/15 00:43	100-42-5	
1,1,2,2-Tetrachloroethane	<1.5	ug/kg	3.6	1.5	1	10/19/15 12:00	10/20/15 00:43	79-34-5	
Tetrachloroethene	<1.1	ug/kg	3.6	1.1	1	10/19/15 12:00	10/20/15 00:43	127-18-4	
Toluene	<1.1	ug/kg	3.6	1.1	1	10/19/15 12:00	10/20/15 00:43	108-88-3	
1,1,1-Trichloroethane	<1.1	ug/kg	3.6	1.1	1	10/19/15 12:00	10/20/15 00:43	71-55-6	
1,1,2-Trichloroethane	<1.4	ug/kg	3.6	1.4	1	10/19/15 12:00	10/20/15 00:43	79-00-5	
Trichloroethene	<1.4	ug/kg	3.6	1.4	1	10/19/15 12:00	10/20/15 00:43	79-01-6	
Vinyl chloride	<0.40	ug/kg	3.6	0.40	1	10/19/15 12:00	10/20/15 00:43	75-01-4	
Xylene (Total)	<3.3	ug/kg	10.9	3.3	1	10/19/15 12:00	10/20/15 00:43	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	108	%	70-130		1	10/19/15 12:00	10/20/15 00:43	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: AL2-6 (5-9)-101415 **Lab ID: 40122890053** Collected: 10/14/15 15:10 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	116	%	67-138		1	10/19/15 12:00	10/20/15 00:43	2037-26-5	
4-Bromofluorobenzene (S)	82	%	68-130		1	10/19/15 12:00	10/20/15 00:43	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	9.6	%	0.10	0.10	1		10/15/15 18:39		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.43	Std. Units	0.100	0.0100	1		10/20/15 14:20		H6

Revised 11/05/15 16:33

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)



UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

CHAIN OF CUSTODY

410122890

A=None B-HCL C-H2SO4 D-HNO3 E-DI Water F-Methanol G-NaOH
 H-Sodium Bisulfate Solution I-Sodium Thiosulfate J-Other
 Preservation Codes

FILTERED?
 (YES/NO)
 PRESERVATION
 (CODE)*

Company Name: EDI
 Branch/Location:
 Project Contact: Patricia/Colin
 Phone: 312-345-1400
 Project Number: 0895, 020
 Project Name: FAT 55
 Project State: IL
 Sampled By (Print): Colin Penick
 Sampled By (Sign): *[Signature]*
 PO #:

Data Package Options
 (billable)
 EPA Level III
 EPA Level IV
MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air
 B = Biota
 C = Charcoal
 O = Oil
 S = Soil
 SI = Sludge
 W = Water
 DW = Drinking Water
 GW = Ground Water
 SW = Surface Water
 WW = Waste Water
 WP = Wipe

PAGE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	AL2-12(5-9)-101415	10/14/15	1130	Sb1
002	AL2-11(5-9)-101415	10/14/15	1150	
003	AL2-11(5-9)-101415	10/14/15	1200	
004	AL2-10(5-9)-101415	10/14/15	1220	
005	AL2-10(5-9)-101415	10/14/15	1230	
006	AL2-9(5-9)-101415	10/14/15	1245	
007	AL2-9(5-9)-101415	10/14/15	1300	
008	AL2-8(5-9)-101415	10/14/15	1315	
009	AL2-8(5-9)-101415	10/14/15	1330	
010	AL2-7(5-9)-101415	10/14/15	1415	
011	AL2-7(5-9)-101415	10/14/15	1425	
012	AL2-7(5-9)-101415	10/14/15	1435	
013	AL2-6(5-9)-101415	10/14/15	1500	

Analyses Requested	Y/N	
	Pick	Label
VOCs	X	X
SVOCs	X	X
Total Metals	X	X
TCLP Metals	X	X
SPLP Metals	X	X
pH	X	X

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed:
 Transmit Prelim Rush Results by (complete what you want):
 Email #1:
 Email #2:
 Telephone:
 Fax:

Relinquished By: *[Signature]* Date/Time: 10/14/15 1535
 Relinquished By: *[Signature]* Date/Time: 10/14/15 1730
 Relinquished By: *[Signature]* Date/Time: 10/14/15 0935
 Relinquished By: *[Signature]* Date/Time:

Received By: *[Signature]* Date/Time: 10/14/15 1735
 Received By: *[Signature]* Date/Time: 10/14/15 1815
 Received By: *[Signature]* Date/Time: 10/15/15 0935
 Received By: *[Signature]* Date/Time:

Quote #:
 Mail To Contact:
 Mail To Company:
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS:
 LAB COMMENTS (Lab Use Only): 340ml EFT 3-412ag A
 Profile #

Receipt Temp = 004.10c
 Sample Receipt pH
 OK / Adjusted
 Cooler Custody Seal Present / Not Present
 Intact / Not Intact

(Please Print Clearly)



www.faceanals.com

CHAIN OF CUSTODY

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Company Name: EDT
Branch/Location:
Project Contact: Patricia Cain
Phone:
Project Number: 0295.020
Project Name: IDOT 025-05 6ETS
Project State: Illinois
Sampled By (Print): Margaret O'Brien-Skibic
Sampled By (Sign): [Signature]
PO #:
Regulatory Program:

Data Package Options (billable)
 EPA Level III
 EPA Level IV
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air
 B = Biota
 C = Charcoal
 O = Oil
 S = Soil
 SI = Sludge
 W = Water
 DW = Drinking Water
 GW = Ground Water
 SW = Surface Water
 WW = Waste Water
 WP = Wipe

PAGE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
014	M11-1(0-5)-101415	10-14-15	0610	S
015	M11-1(5-9)-101415	10-14-15	0815	S
016	M11-2(0-5)-101415	10-14-15	0838	S
017	M11-2(5-9)-101415	10-14-15	0842	S
018	M11-3(0-5)-101415	10-14-15	0900	S
019	M11-3(5-9)-101415	10-14-15	0905	S
020	M11-4(0-6)-101415	10-14-15	0920	S
021	AB-2(0-7)-101415	10-14-15	1000	S
022	AB-2(0-7)-101415D	10-14-15	100	S
023	AB-1(0-7)-101415	10-14-15	1035	S
024	V11-1(0-5)-101415	10-14-15	1100	S
025	V11-1(5-10)-101415	10-14-15	1120	S
026	V11-2(0-5)-101415	10-14-15	1130	S

ANALYSES REQUESTED

Y/N	Pick Letter	Analysis
2	EF	VOCS
2	A	SVOCS
2	A	Total Metals
2	A	Total Metals
2	A	SPLP Metals
2	A	pH

Retention Codes:
 A=None B=HCL C=H2SO4 D=HNO3 E=D1 Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Retention Codes:
 A=None B=HCL C=H2SO4 D=HNO3 E=D1 Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Retention Codes:
 A=None B=HCL C=H2SO4 D=HNO3 E=D1 Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:
Mail To Contact:
Mail To Company:
Mail To Address:
Invoice To Contact:
Invoice To Company:
Invoice To Address:
Invoice To Phone:
CLIENT COMMENTS
LAB COMMENTS (Lab Use Only)

Relinquished By: [Signature] Date/Time: 10-14-15 1559
Received By: [Signature] Date/Time: 10-14-15 1729
Relinquished By: [Signature] Date/Time: 10-14-15 1730
Received By: [Signature] Date/Time: 10-14-15 1739
Relinquished By: [Signature] Date/Time: 10-15-15 1935
Received By: [Signature] Date/Time: 10-15-15 1935

Special Pricing and Release of Liability:
 Samples on HOLD are subject to special pricing and release of liability.

Receipt Temp = 20.41°C
Sample Receipt pH
 OK / Adjusted
Celex Custody Seal Present / Not Present
 Intact / Not Intact

(Please Print Clearly)



UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

CHAIN OF CUSTODY

A=None B=HCl C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
PRESERVATION
(CODE)*

Company Name: **EDI**

Branch/Location: **Phicia/Colin**

Project Contact: **Phicia/Colin**

Phone: **912-345-1400**

Project Number: **0295.020**

Project Name: **FAT 55**

Project State: **FL**

Sampled By (Print): **Colin Paries**

Sampled By (Sign): *[Signature]*

PO #:

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD (billable)
 On your sample
 NOT needed on your sample

Matrix Codes
 A = Air
 B = Sludge
 C = Charcoal
 O = Oil
 S = Soil
 SI = Sludge
 W = Water
 DW = Drinking Water
 GW = Ground Water
 SW = Surface Water
 WW = Waste Water
 WP = Wipe

PAGE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
027	PV-3(0-8)-101415	10/14/15	0730	Soil
028	PV-4(0-8)-101415		0830	
029	PV-5(0-6)-101415 D		0845	
030	PV-5(0-6)-101415		0840	
031	CC-2(0-5)-101415		0950	
032	CC-2(5-9)-101415		1000	
033	CC-1(0-3)-101415		1010	
034	R-2(0-5)-101415		1025	
035	R-2(5-9)-101415		1035	
036	R-1(0-5)-101415		1050	
037	R-1(0-5)-101415 D		1055	
038	R-1(5-9)-101415		1105	
039	ALZ-12(0-5)-101415		1125	

Analyses Requested

V/I/N	Pick Letter						
		X	VOCs				
		X	SVOCs				
		X	Total Metals				
		X	TCLP Metals				
		X	SPLP Metals				
		X	pH				

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:

Email #2:

Telephone:

Far:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: *[Signature]* Date/Time: 10/14/15 1535

Relinquished By: *[Signature]* Date/Time: 10/15/15 0835

Relinquished By: *[Signature]* Date/Time: 10/15/15 0835

Received By: *[Signature]* Date/Time: 10/14/15 1535

Received By: *[Signature]* Date/Time: 10/15/15 0835

Received By: *[Signature]* Date/Time: 10/15/15 0835

Quote #:

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

PACE Project No. **40122800**

Receipt Temp = **00410c**

Sample Receipt pH

OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

(Please Print Clearly)

Company Name: EDI
Branch/Location:
Project Contact: Patricia Cain
Phone:
Project Number: 0295.0020
Project Name: DOT 035-US6 E-555
Project State: Illinois
Sampled By (Print): Margaret Darny-Subic
Sampled By (Sign): mgdarny

CHAIN OF CUSTODY



UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Filtered? (YES/NO)
PRESERVATION (CODE)*
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Regulatory Program:

V/I/N	Pick Letter	ANALYSES REQUESTED
N	EF	VOCs
N	A	SVOCs
N	D	Total Metals
N	A	TECP Metals
N	D	OPRP Metals
N	D	PH

Matrix Codes
A = Air B = Bids C = Charcoal O = Oil S = Soil SI = Sludge
W = Water DW = Drinking Water GW = Ground Water SW = Surface Water WP = Waste Water

Data Package Options (billable)
 EPA Level III
 EPA Level IV
 On your sample (billable)
 NOT needed on your sample

CLIENT FIELD ID

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX
D4D	VU-2(5-10)-101415	10-14-15	1135	S
D4I	VU-3(0-7)-101415	10-14-15	1230	S
D4A	VU-1-3(7-14)-101415	10-14-15	1235	S
D43	VU-1-4(0-5)-101415	10-14-15	1253	S
D44	VU-1-4(5-10)-101415	10-14-15	1258	S
D45	VU-1-5(0-5)-101415	10-14-15	1315	S
D4P	VU-1-5(0-5)-101415D	10-14-15	1315	S

CLIENT COMMENTS
LAB COMMENTS (Lab Use Only)
3-40ml VEE 3-40mg
LAST ITEM

Quote #:
Mail To Contact:
Mail To Company:
Mail To Address:
Invoice To Contact:
Invoice To Company:
Invoice To Address:
Invoice To Phone:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Patricia Cain	10-14-15 1533	Patricia Cain	10-14-15 1533
Margaret Darny-Subic	10-15-15 0935	Patricia Cain	10-15-15 0935

Transmit Prelim Rush Results by (complete what you want):
Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:
Rush Project No. 40122890
Receipt Temp = 0.041M
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present Intact / Not Intact

Special pricing and release of liability
Samples on HOLD are subject to special pricing and release of liability
Relinquished By: Patricia Cain Date/Time: 10/15/15 0935
Received By: Patricia Cain Date/Time: 10/15/15 0935
Relinquished By: Patricia Cain Date/Time: 10/15/15 0935
Received By: Patricia Cain Date/Time: 10/15/15 0935

(Please Print Clearly)

Company Name: EDI
 Branch/Location:
 Project Contact: Patricia Kolin
 Phone:
 Project Number: 0295-000
 Project Name: 1DOT 025-US6ET-33
 Project State: Illinois
 Sampled By (Print): Margaret Downy-Skovic
 Sampled By (Sign): *M. Downy-Skovic*
 PO #:
 Regulatory Program:

Data Package Options
 (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air
 B = Biotin
 C = Charcoal
 O = Oil
 S = Soil
 SI = Sludge
 W = Water
 DW = Drinking Water
 GW = Ground Water
 SW = Surface Water
 WP = Waste Water

PAGE LAB # CLIENT FIELD ID DATE TIME MATRIX



CHAIN OF CUSTODY

Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

REGULATORY PROGRAM (CODE)
 FILTERED? (YES/NO)

Y/N	Pick Letter	Analyses Requested
N	EF	VOCs
N	A	SVOCs
N	A	Total Metals
N	A	TCP Metals
N	D	SPP Metals
N	A	PH

UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

Quote #:
 Mail To Contact:
 Mail To Company:
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)
 Profile #

Relinquished By: *M. Downy-Skovic* Date/Time: 10-14-15 1533
 Relinquished By: *Patricia Kolin* Date/Time: 10/15/15 0435
 Relinquished By: *Patricia Kolin* Date/Time: 10/15/15 0435
 Received By: *Patricia Kolin* Date/Time: 10/14/15 1533
 Received By: *Patricia Kolin* Date/Time: 10/14/15
 Received By: *Patricia Kolin* Date/Time: 10/15/15 0435

PACE Project No. 40122890
 Receipt Temp = 10.4118
 Sample Receipt pH
 OK / Adjusted
 Cooler/Custody Seal Present / Not Present Intact / Not Intact



Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Client Name: EDI

Project #:

WO#: 40122890

Courier: Fed Ex UPS Client Pace Other: CS LOGISTICS
Tracking #:



Custody Seal on Cooler/Box Present: X yes - no Seals intact: X yes - no

Custody Seal on Samples Present: yes X no Seals intact: yes - no

Packing Material: Bubble Wrap X Bubble Bags None Other

Thermometer Used SR104 Type of Ice: Wet Blue Dry None X Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 0.04, 1.0 Corr: 0.04, 1.0 Biological Tissue is Frozen: yes

Temp Blank Present: X yes - no

Person examining contents:
Date: 10/15/15
Initials: JL

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows of custody and sample condition checks. Includes items like Chain of Custody Present, Short Hold Time Analysis, Rush Turn Around Time, etc. with checkboxes and handwritten notes.

Client Notification/ Resolution: Person Contacted: Date/Time: If checked, see attached form for additional comments

Comments/ Resolution: 047 1 of 3 vials no collect date, 023 no collect times 10/15/15

Project Manager Review: Date: 10/15/15

November 05, 2015

Patricia Feeley, P.G.
Environmental Design International Inc.
33 West Monroe Street
Suite 1825
Chicago, IL 606035326

RE: Project: 0295.020 FAI 55
Pace Project No.: 40123074

Dear Patricia Feeley, P.G.:

Enclosed are the analytical results for sample(s) received by the laboratory on October 16, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Brian Basten for
Laurie Woelfel
laurie.woelfel@pacelabs.com
Project Manager

Enclosures

cc: Andrew Dorn, Environmental Design
Colin Pannier, Environmental Design



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP ID: 460263

Virginia VELAP Certification ID: 460263

Wisconsin Certification #: 405132750

Revised 11/05/15 16:35

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL2-3 (0-6)-101615 Lab ID: 40123074010 Collected: 10/16/15 11:55 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<2.9	mg/kg	10.2	2.9	5	10/22/15 08:07	10/25/15 11:22	7440-36-0	D3
Arsenic	7.6J	mg/kg	10.2	3.2	5	10/22/15 08:07	10/25/15 11:22	7440-38-2	D3
Barium	37.7	mg/kg	2.5	0.61	5	10/22/15 08:07	10/25/15 11:22	7440-39-3	
Beryllium	0.48J	mg/kg	2.0	0.19	5	10/22/15 08:07	10/25/15 11:22	7440-41-7	D3
Cadmium	<0.34	mg/kg	2.5	0.34	5	10/22/15 08:07	10/25/15 11:22	7440-43-9	D3
Calcium	60400	mg/kg	509	13.9	5	10/22/15 08:07	10/25/15 11:22	7440-70-2	
Chromium	15.4	mg/kg	2.5	0.99	5	10/22/15 08:07	10/25/15 11:22	7440-47-3	
Cobalt	6.8	mg/kg	2.5	0.49	5	10/22/15 08:07	10/25/15 11:22	7440-48-4	
Copper	13.5	mg/kg	5.1	0.79	5	10/22/15 08:07	10/25/15 11:22	7440-50-8	
Iron	14000	mg/kg	50.9	8.5	5	10/22/15 08:07	10/25/15 11:22	7439-89-6	
Lead	12.0	mg/kg	5.1	2.2	5	10/22/15 08:07	10/25/15 11:22	7439-92-1	
Magnesium	35700	mg/kg	509	27.6	5	10/22/15 08:07	10/25/15 11:22	7439-95-4	
Manganese	382	mg/kg	2.5	0.26	5	10/22/15 08:07	10/25/15 11:22	7439-96-5	
Nickel	13.9	mg/kg	5.1	0.66	5	10/22/15 08:07	10/25/15 11:22	7440-02-0	
Potassium	1850	mg/kg	509	41.8	5	10/22/15 08:07	10/25/15 11:22	7440-09-7	
Selenium	<3.9	mg/kg	10.2	3.9	5	10/22/15 08:07	10/25/15 11:22	7782-49-2	D3
Silver	<1.4	mg/kg	5.1	1.4	5	10/22/15 08:07	10/25/15 11:22	7440-22-4	D3
Sodium	83.4J	mg/kg	509	19.6	5	10/22/15 08:07	10/25/15 11:22	7440-23-5	D3
Thallium	<4.2	mg/kg	20.3	4.2	5	10/22/15 08:07	10/25/15 11:22	7440-28-0	D3
Vanadium	26.3	mg/kg	5.1	1.0	5	10/22/15 08:07	10/25/15 11:22	7440-62-2	
Zinc	28.0	mg/kg	20.3	2.0	5	10/22/15 08:07	10/25/15 11:22	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/20/15 05:08

Arsenic	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:32	7440-38-2	
Barium	0.86	mg/L	0.50	0.25	1	10/20/15 13:22	10/23/15 20:32	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:32	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/20/15 13:22	10/23/15 20:32	7440-43-9	
Chromium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:32	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:32	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:32	7440-50-8	
Iron	9.7	mg/L	0.50	0.25	1	10/20/15 13:22	10/23/15 20:32	7439-89-6	
Lead	0.0044J	mg/L	0.0075	0.0038	1	10/20/15 13:22	10/23/15 20:32	7439-92-1	
Manganese	0.096	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:32	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:32	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:32	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:32	7440-22-4	
Zinc	0.30	mg/L	0.050	0.025	1	10/20/15 13:22	10/23/15 20:32	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/20/15 05:06

Arsenic	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:18	7440-38-2	
Barium	0.27J	mg/L	0.50	0.25	1	10/20/15 13:53	10/25/15 13:18	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:18	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/20/15 13:53	10/25/15 13:18	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL2-3 (0-6)-101615 Lab ID: 40123074010 Collected: 10/16/15 11:55 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/20/15 05:06									
Chromium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:18	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:18	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:18	7440-50-8	
Iron	<0.25	mg/L	0.50	0.25	1	10/20/15 13:53	10/25/15 13:18	7439-89-6	
Lead	<0.0030	mg/L	0.0075	0.0030	1	10/20/15 13:53	10/25/15 13:18	7439-92-1	
Manganese	0.79	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:18	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:18	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:18	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:18	7440-22-4	
Zinc	<0.025	mg/L	0.050	0.025	1	10/20/15 13:53	10/25/15 13:18	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/20/15 05:08									
Mercury	<0.10	ug/L	0.20	0.10	1	10/21/15 10:25	10/22/15 13:26	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/20/15 05:06									
Mercury	<0.10	ug/L	0.20	0.10	1	10/21/15 10:25	10/22/15 14:17	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.021	mg/kg	0.010	0.0027	1	10/27/15 09:11	10/28/15 09:34	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<64.4	ug/kg	215	64.4	1	10/22/15 09:14	10/23/15 14:55	83-32-9	
Acenaphthylene	<64.8	ug/kg	216	64.8	1	10/22/15 09:14	10/23/15 14:55	208-96-8	
Anthracene	<29.0	ug/kg	96.8	29.0	1	10/22/15 09:14	10/23/15 14:55	120-12-7	
Benzo(a)anthracene	<28.1	ug/kg	93.8	28.1	1	10/22/15 09:14	10/23/15 14:55	56-55-3	
Benzo(a)pyrene	<27.3	ug/kg	91.1	27.3	1	10/22/15 09:14	10/23/15 14:55	50-32-8	
Benzo(b)fluoranthene	<31.2	ug/kg	104	31.2	1	10/22/15 09:14	10/23/15 14:55	205-99-2	
Benzo(g,h,i)perylene	<47.5	ug/kg	158	47.5	1	10/22/15 09:14	10/23/15 14:55	191-24-2	
Benzo(k)fluoranthene	<43.5	ug/kg	145	43.5	1	10/22/15 09:14	10/23/15 14:55	207-08-9	
4-Bromophenylphenyl ether	<38.0	ug/kg	127	38.0	1	10/22/15 09:14	10/23/15 14:55	101-55-3	
Butylbenzylphthalate	<29.1	ug/kg	97.1	29.1	1	10/22/15 09:14	10/23/15 14:55	85-68-7	
Carbazole	<28.4	ug/kg	94.8	28.4	1	10/22/15 09:14	10/23/15 14:55	86-74-8	
4-Chloro-3-methylphenol	<56.5	ug/kg	188	56.5	1	10/22/15 09:14	10/23/15 14:55	59-50-7	
4-Chloroaniline	<29.9	ug/kg	99.5	29.9	1	10/22/15 09:14	10/23/15 14:55	106-47-8	
bis(2-Chloroethoxy)methane	<48.9	ug/kg	163	48.9	1	10/22/15 09:14	10/23/15 14:55	111-91-1	
bis(2-Chloroethyl) ether	<56.7	ug/kg	189	56.7	1	10/22/15 09:14	10/23/15 14:55	111-44-4	
2-Chloronaphthalene	<23.3	ug/kg	77.7	23.3	1	10/22/15 09:14	10/23/15 14:55	91-58-7	
2-Chlorophenol	<45.3	ug/kg	151	45.3	1	10/22/15 09:14	10/23/15 14:55	95-57-8	
4-Chlorophenylphenyl ether	<33.8	ug/kg	113	33.8	1	10/22/15 09:14	10/23/15 14:55	7005-72-3	
Chrysene	<27.2	ug/kg	90.5	27.2	1	10/22/15 09:14	10/23/15 14:55	218-01-9	
Dibenz(a,h)anthracene	<49.3	ug/kg	164	49.3	1	10/22/15 09:14	10/23/15 14:55	53-70-3	
Dibenzofuran	<22.0	ug/kg	73.3	22.0	1	10/22/15 09:14	10/23/15 14:55	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL2-3 (0-6)-101615 **Lab ID: 40123074010** Collected: 10/16/15 11:55 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<57.1	ug/kg	190	57.1	1	10/22/15 09:14	10/23/15 14:55	95-50-1	
1,3-Dichlorobenzene	<25.2	ug/kg	83.9	25.2	1	10/22/15 09:14	10/23/15 14:55	541-73-1	
1,4-Dichlorobenzene	<25.3	ug/kg	84.4	25.3	1	10/22/15 09:14	10/23/15 14:55	106-46-7	
3,3'-Dichlorobenzidine	<49.3	ug/kg	164	49.3	1	10/22/15 09:14	10/23/15 14:55	91-94-1	
2,4-Dichlorophenol	<48.5	ug/kg	162	48.5	1	10/22/15 09:14	10/23/15 14:55	120-83-2	
Diethylphthalate	<30.1	ug/kg	100	30.1	1	10/22/15 09:14	10/23/15 14:55	84-66-2	
2,4-Dimethylphenol	<35.9	ug/kg	120	35.9	1	10/22/15 09:14	10/23/15 14:55	105-67-9	
Dimethylphthalate	<23.6	ug/kg	78.8	23.6	1	10/22/15 09:14	10/23/15 14:55	131-11-3	
Di-n-butylphthalate	<27.2	ug/kg	90.5	27.2	1	10/22/15 09:14	10/23/15 14:55	84-74-2	
4,6-Dinitro-2-methylphenol	<56.0	ug/kg	187	56.0	1	10/22/15 09:14	10/23/15 14:55	534-52-1	
2,4-Dinitrophenol	<55.3	ug/kg	184	55.3	1	10/22/15 09:14	10/23/15 14:55	51-28-5	
2,4-Dinitrotoluene	<26.0	ug/kg	86.6	26.0	1	10/22/15 09:14	10/23/15 14:55	121-14-2	
2,6-Dinitrotoluene	<34.5	ug/kg	115	34.5	1	10/22/15 09:14	10/23/15 14:55	606-20-2	
Di-n-octylphthalate	<40.8	ug/kg	136	40.8	1	10/22/15 09:14	10/23/15 14:55	117-84-0	
bis(2-Ethylhexyl)phthalate	<30.2	ug/kg	101	30.2	1	10/22/15 09:14	10/23/15 14:55	117-81-7	
Fluoranthene	<25.7	ug/kg	85.7	25.7	1	10/22/15 09:14	10/23/15 14:55	206-44-0	
Fluorene	<21.2	ug/kg	70.8	21.2	1	10/22/15 09:14	10/23/15 14:55	86-73-7	
Hexachloro-1,3-butadiene	<46.3	ug/kg	154	46.3	1	10/22/15 09:14	10/23/15 14:55	87-68-3	
Hexachlorobenzene	<30.6	ug/kg	102	30.6	1	10/22/15 09:14	10/23/15 14:55	118-74-1	
Hexachlorocyclopentadiene	<43.0	ug/kg	143	43.0	1	10/22/15 09:14	10/23/15 14:55	77-47-4	
Hexachloroethane	<29.1	ug/kg	96.9	29.1	1	10/22/15 09:14	10/23/15 14:55	67-72-1	
Indeno(1,2,3-cd)pyrene	<39.3	ug/kg	131	39.3	1	10/22/15 09:14	10/23/15 14:55	193-39-5	
Isophorone	<27.9	ug/kg	93.1	27.9	1	10/22/15 09:14	10/23/15 14:55	78-59-1	
2-Methylnaphthalene	<47.2	ug/kg	157	47.2	1	10/22/15 09:14	10/23/15 14:55	91-57-6	
2-Methylphenol(o-Cresol)	<33.0	ug/kg	110	33.0	1	10/22/15 09:14	10/23/15 14:55	95-48-7	
3&4-Methylphenol(m&p Cresol)	<33.3	ug/kg	111	33.3	1	10/22/15 09:14	10/23/15 14:55		
Naphthalene	<63.5	ug/kg	212	63.5	1	10/22/15 09:14	10/23/15 14:55	91-20-3	
2-Nitroaniline	<51.8	ug/kg	173	51.8	1	10/22/15 09:14	10/23/15 14:55	88-74-4	
3-Nitroaniline	<30.9	ug/kg	103	30.9	1	10/22/15 09:14	10/23/15 14:55	99-09-2	
4-Nitroaniline	<75.4	ug/kg	251	75.4	1	10/22/15 09:14	10/23/15 14:55	100-01-6	
Nitrobenzene	<36.8	ug/kg	123	36.8	1	10/22/15 09:14	10/23/15 14:55	98-95-3	
2-Nitrophenol	<57.3	ug/kg	191	57.3	1	10/22/15 09:14	10/23/15 14:55	88-75-5	
4-Nitrophenol	<45.7	ug/kg	152	45.7	1	10/22/15 09:14	10/23/15 14:55	100-02-7	
N-Nitroso-di-n-propylamine	<28.8	ug/kg	96.0	28.8	1	10/22/15 09:14	10/23/15 14:55	621-64-7	
N-Nitrosodiphenylamine	<246	ug/kg	822	246	1	10/22/15 09:14	10/23/15 14:55	86-30-6	
2,2'-Oxybis(1-chloropropane)	<46.8	ug/kg	156	46.8	1	10/22/15 09:14	10/23/15 14:55	108-60-1	
Pentachlorophenol	<40.0	ug/kg	133	40.0	1	10/22/15 09:14	10/23/15 14:55	87-86-5	
Phenanthrene	<23.3	ug/kg	77.7	23.3	1	10/22/15 09:14	10/23/15 14:55	85-01-8	
Phenol	<43.1	ug/kg	144	43.1	1	10/22/15 09:14	10/23/15 14:55	108-95-2	
Pyrene	<40.3	ug/kg	134	40.3	1	10/22/15 09:14	10/23/15 14:55	129-00-0	
1,2,4-Trichlorobenzene	<20.5	ug/kg	68.5	20.5	1	10/22/15 09:14	10/23/15 14:55	120-82-1	
2,4,5-Trichlorophenol	<32.1	ug/kg	107	32.1	1	10/22/15 09:14	10/23/15 14:55	95-95-4	
2,4,6-Trichlorophenol	<27.7	ug/kg	92.3	27.7	1	10/22/15 09:14	10/23/15 14:55	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	52	%	45-130		1	10/22/15 09:14	10/23/15 14:55	4165-60-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40123074

Sample: AL2-3 (0-6)-101615 Lab ID: 40123074010 Collected: 10/16/15 11:55 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	63	%	51-130		1	10/22/15 09:14	10/23/15 14:55	321-60-8	
Terphenyl-d14 (S)	76	%	37-134		1	10/22/15 09:14	10/23/15 14:55	1718-51-0	
Phenol-d6 (S)	57	%	36-130		1	10/22/15 09:14	10/23/15 14:55	13127-88-3	
2-Fluorophenol (S)	46	%	37-130		1	10/22/15 09:14	10/23/15 14:55	367-12-4	
2,4,6-Tribromophenol (S)	63	%	30-130		1	10/22/15 09:14	10/23/15 14:55	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<3.7	ug/kg	11.7	3.7	1	10/20/15 12:00	10/21/15 13:30	67-64-1	2q
Benzene	<0.94	ug/kg	2.9	0.94	1	10/20/15 12:00	10/21/15 13:30	71-43-2	
Bromodichloromethane	<0.64	ug/kg	2.9	0.64	1	10/20/15 12:00	10/21/15 13:30	75-27-4	
Bromoform	<0.50	ug/kg	2.9	0.50	1	10/20/15 12:00	10/21/15 13:30	75-25-2	
Bromomethane	<0.88	ug/kg	5.9	0.88	1	10/20/15 12:00	10/21/15 13:30	74-83-9	
2-Butanone (MEK)	<1.7	ug/kg	11.7	1.7	1	10/20/15 12:00	10/21/15 13:30	78-93-3	
Carbon disulfide	<0.76	ug/kg	2.9	0.76	1	10/20/15 12:00	10/21/15 13:30	75-15-0	
Carbon tetrachloride	<0.93	ug/kg	2.9	0.93	1	10/20/15 12:00	10/21/15 13:30	56-23-5	
Chlorobenzene	<0.93	ug/kg	2.9	0.93	1	10/20/15 12:00	10/21/15 13:30	108-90-7	
Chloroethane	<1.2	ug/kg	2.9	1.2	1	10/20/15 12:00	10/21/15 13:30	75-00-3	
Chloroform	<0.56	ug/kg	2.9	0.56	1	10/20/15 12:00	10/21/15 13:30	67-66-3	
Chloromethane	<0.33	ug/kg	2.9	0.33	1	10/20/15 12:00	10/21/15 13:30	74-87-3	
Dibromochloromethane	<1.0	ug/kg	2.9	1.0	1	10/20/15 12:00	10/21/15 13:30	124-48-1	
1,1-Dichloroethane	<1.4	ug/kg	2.9	1.4	1	10/20/15 12:00	10/21/15 13:30	75-34-3	
1,2-Dichloroethane	<0.58	ug/kg	2.9	0.58	1	10/20/15 12:00	10/21/15 13:30	107-06-2	
1,1-Dichloroethene	<1.3	ug/kg	2.9	1.3	1	10/20/15 12:00	10/21/15 13:30	75-35-4	
cis-1,2-Dichloroethene	<0.78	ug/kg	2.9	0.78	1	10/20/15 12:00	10/21/15 13:30	156-59-2	
trans-1,2-Dichloroethene	<0.73	ug/kg	2.9	0.73	1	10/20/15 12:00	10/21/15 13:30	156-60-5	
1,2-Dichloropropane	<0.74	ug/kg	2.9	0.74	1	10/20/15 12:00	10/21/15 13:30	78-87-5	
cis-1,3-Dichloropropene	<0.39	ug/kg	2.9	0.39	1	10/20/15 12:00	10/21/15 13:30	10061-01-5	
trans-1,3-Dichloropropene	<0.54	ug/kg	2.9	0.54	1	10/20/15 12:00	10/21/15 13:30	10061-02-6	
Ethylbenzene	<0.85	ug/kg	2.9	0.85	1	10/20/15 12:00	10/21/15 13:30	100-41-4	
2-Hexanone	<0.87	ug/kg	2.9	0.87	1	10/20/15 12:00	10/21/15 13:30	591-78-6	
Methylene Chloride	<1.1	ug/kg	2.9	1.1	1	10/20/15 12:00	10/21/15 13:30	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	<0.72	ug/kg	2.9	0.72	1	10/20/15 12:00	10/21/15 13:30	108-10-1	
Methyl-tert-butyl ether	<0.59	ug/kg	2.9	0.59	1	10/20/15 12:00	10/21/15 13:30	1634-04-4	
Styrene	<0.44	ug/kg	2.9	0.44	1	10/20/15 12:00	10/21/15 13:30	100-42-5	
1,1,2,2-Tetrachloroethane	<1.2	ug/kg	2.9	1.2	1	10/20/15 12:00	10/21/15 13:30	79-34-5	
Tetrachloroethene	<0.92	ug/kg	2.9	0.92	1	10/20/15 12:00	10/21/15 13:30	127-18-4	
Toluene	1.5J	ug/kg	2.9	0.87	1	10/20/15 12:00	10/21/15 13:30	108-88-3	
1,1,1-Trichloroethane	<0.90	ug/kg	2.9	0.90	1	10/20/15 12:00	10/21/15 13:30	71-55-6	
1,1,2-Trichloroethane	<1.1	ug/kg	2.9	1.1	1	10/20/15 12:00	10/21/15 13:30	79-00-5	
Trichloroethene	<1.1	ug/kg	2.9	1.1	1	10/20/15 12:00	10/21/15 13:30	79-01-6	
Vinyl chloride	<0.32	ug/kg	2.9	0.32	1	10/20/15 12:00	10/21/15 13:30	75-01-4	
Xylene (Total)	<2.6	ug/kg	8.8	2.6	1	10/20/15 12:00	10/21/15 13:30	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	113	%	70-130		1	10/20/15 12:00	10/21/15 13:30	1868-53-7	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL2-3 (0-6)-101615 **Lab ID: 40123074010** Collected: 10/16/15 11:55 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	103	%	67-138		1	10/20/15 12:00	10/21/15 13:30	2037-26-5	
4-Bromofluorobenzene (S)	94	%	68-130		1	10/20/15 12:00	10/21/15 13:30	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	8.1	%	0.10	0.10	1		10/17/15 12:13		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	7.59	Std. Units	0.100	0.0100	1		10/23/15 12:35		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL2-2 (0-6)-101615 Lab ID: 40123074011 Collected: 10/16/15 12:15 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<3.2	mg/kg	11.4	3.2	5	10/22/15 08:07	10/25/15 11:25	7440-36-0	D3
Arsenic	7.6J	mg/kg	11.4	3.6	5	10/22/15 08:07	10/25/15 11:25	7440-38-2	D3
Barium	30.3	mg/kg	2.8	0.68	5	10/22/15 08:07	10/25/15 11:25	7440-39-3	
Beryllium	0.37J	mg/kg	2.3	0.21	5	10/22/15 08:07	10/25/15 11:25	7440-41-7	D3
Cadmium	<0.38	mg/kg	2.8	0.38	5	10/22/15 08:07	10/25/15 11:25	7440-43-9	D3
Calcium	108000	mg/kg	569	15.6	5	10/22/15 08:07	10/25/15 11:25	7440-70-2	
Chromium	15.7	mg/kg	2.8	1.1	5	10/22/15 08:07	10/25/15 11:25	7440-47-3	
Cobalt	8.5	mg/kg	2.8	0.55	5	10/22/15 08:07	10/25/15 11:25	7440-48-4	
Copper	33.7	mg/kg	5.7	0.89	5	10/22/15 08:07	10/25/15 11:25	7440-50-8	
Iron	21300	mg/kg	56.9	9.6	5	10/22/15 08:07	10/25/15 11:25	7439-89-6	
Lead	13.3	mg/kg	5.7	2.5	5	10/22/15 08:07	10/25/15 11:25	7439-92-1	
Magnesium	62600	mg/kg	569	30.9	5	10/22/15 08:07	10/25/15 11:25	7439-95-4	
Manganese	577	mg/kg	2.8	0.29	5	10/22/15 08:07	10/25/15 11:25	7439-96-5	
Nickel	23.7	mg/kg	5.7	0.74	5	10/22/15 08:07	10/25/15 11:25	7440-02-0	
Potassium	1500	mg/kg	569	46.8	5	10/22/15 08:07	10/25/15 11:25	7440-09-7	
Selenium	<4.4	mg/kg	11.4	4.4	5	10/22/15 08:07	10/25/15 11:25	7782-49-2	D3
Silver	<1.6	mg/kg	5.7	1.6	5	10/22/15 08:07	10/25/15 11:25	7440-22-4	D3
Sodium	634	mg/kg	569	21.9	5	10/22/15 08:07	10/25/15 11:25	7440-23-5	
Thallium	<4.7	mg/kg	22.8	4.7	5	10/22/15 08:07	10/25/15 11:25	7440-28-0	D3
Vanadium	40.4	mg/kg	5.7	1.2	5	10/22/15 08:07	10/25/15 11:25	7440-62-2	
Zinc	32.8	mg/kg	22.8	2.2	5	10/22/15 08:07	10/25/15 11:25	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/21/15 05:07

Arsenic	<0.025	mg/L	0.050	0.025	1	10/22/15 08:26	10/26/15 17:16	7440-38-2	
Barium	0.31J	mg/L	0.50	0.25	1	10/22/15 08:26	10/26/15 17:16	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/22/15 08:26	10/26/15 17:16	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/22/15 08:26	10/26/15 17:16	7440-43-9	
Chromium	<0.025	mg/L	0.050	0.025	1	10/22/15 08:26	10/26/15 17:16	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/22/15 08:26	10/26/15 17:16	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/22/15 08:26	10/26/15 17:16	7440-50-8	
Iron	3.8	mg/L	0.50	0.25	1	10/22/15 08:26	10/26/15 17:16	7439-89-6	
Lead	<0.0038	mg/L	0.0075	0.0038	1	10/22/15 08:26	10/26/15 17:16	7439-92-1	
Manganese	0.032J	mg/L	0.050	0.025	1	10/22/15 08:26	10/26/15 17:16	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/22/15 08:26	10/26/15 17:16	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/22/15 08:26	10/26/15 17:16	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/22/15 08:26	10/26/15 17:16	7440-22-4	
Zinc	0.027J	mg/L	0.050	0.025	1	10/22/15 08:26	10/26/15 17:16	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/21/15 05:00

Arsenic	<0.025	mg/L	0.050	0.025	1	10/22/15 10:25	10/23/15 22:49	7440-38-2	
Barium	0.30J	mg/L	0.50	0.25	1	10/22/15 10:25	10/23/15 22:49	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/22/15 10:25	10/23/15 22:49	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/22/15 10:25	10/23/15 22:49	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL2-2 (0-6)-101615 **Lab ID: 40123074011** Collected: 10/16/15 12:15 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/21/15 05:00									
Chromium	<0.025	mg/L	0.050	0.025	1	10/22/15 10:25	10/23/15 22:49	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/22/15 10:25	10/23/15 22:49	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/22/15 10:25	10/23/15 22:49	7440-50-8	
Iron	<0.25	mg/L	0.50	0.25	1	10/22/15 10:25	10/26/15 15:38	7439-89-6	
Lead	<0.0030	mg/L	0.0075	0.0030	1	10/22/15 10:25	10/23/15 22:49	7439-92-1	
Manganese	1.0	mg/L	0.050	0.025	1	10/22/15 10:25	10/23/15 22:49	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/22/15 10:25	10/23/15 22:49	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/22/15 10:25	10/23/15 22:49	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/22/15 10:25	10/23/15 22:49	7440-22-4	
Zinc	<0.025	mg/L	0.050	0.025	1	10/22/15 10:25	10/23/15 22:49	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/21/15 05:07									
Mercury	<0.10	ug/L	0.20	0.10	1	10/22/15 17:00	10/23/15 14:41	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/21/15 05:06									
Mercury	<0.10	ug/L	0.20	0.10	1	10/22/15 17:00	10/23/15 15:02	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.019	mg/kg	0.012	0.0032	1	10/27/15 09:11	10/28/15 09:36	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<72.9	ug/kg	243	72.9	1	10/22/15 09:14	10/23/15 15:28	83-32-9	
Acenaphthylene	<73.3	ug/kg	244	73.3	1	10/22/15 09:14	10/23/15 15:28	208-96-8	
Anthracene	<32.8	ug/kg	109	32.8	1	10/22/15 09:14	10/23/15 15:28	120-12-7	
Benzo(a)anthracene	<31.8	ug/kg	106	31.8	1	10/22/15 09:14	10/23/15 15:28	56-55-3	
Benzo(a)pyrene	<30.9	ug/kg	103	30.9	1	10/22/15 09:14	10/23/15 15:28	50-32-8	
Benzo(b)fluoranthene	<35.3	ug/kg	118	35.3	1	10/22/15 09:14	10/23/15 15:28	205-99-2	
Benzo(g,h,i)perylene	<53.8	ug/kg	179	53.8	1	10/22/15 09:14	10/23/15 15:28	191-24-2	
Benzo(k)fluoranthene	<49.2	ug/kg	164	49.2	1	10/22/15 09:14	10/23/15 15:28	207-08-9	
4-Bromophenylphenyl ether	<43.0	ug/kg	143	43.0	1	10/22/15 09:14	10/23/15 15:28	101-55-3	
Butylbenzylphthalate	<33.0	ug/kg	110	33.0	1	10/22/15 09:14	10/23/15 15:28	85-68-7	
Carbazole	<32.2	ug/kg	107	32.2	1	10/22/15 09:14	10/23/15 15:28	86-74-8	
4-Chloro-3-methylphenol	<63.9	ug/kg	213	63.9	1	10/22/15 09:14	10/23/15 15:28	59-50-7	
4-Chloroaniline	<33.8	ug/kg	113	33.8	1	10/22/15 09:14	10/23/15 15:28	106-47-8	
bis(2-Chloroethoxy)methane	<55.3	ug/kg	184	55.3	1	10/22/15 09:14	10/23/15 15:28	111-91-1	
bis(2-Chloroethyl) ether	<64.2	ug/kg	214	64.2	1	10/22/15 09:14	10/23/15 15:28	111-44-4	
2-Chloronaphthalene	<26.4	ug/kg	87.9	26.4	1	10/22/15 09:14	10/23/15 15:28	91-58-7	
2-Chlorophenol	<51.3	ug/kg	171	51.3	1	10/22/15 09:14	10/23/15 15:28	95-57-8	
4-Chlorophenylphenyl ether	<38.3	ug/kg	128	38.3	1	10/22/15 09:14	10/23/15 15:28	7005-72-3	
Chrysene	<30.7	ug/kg	102	30.7	1	10/22/15 09:14	10/23/15 15:28	218-01-9	
Dibenz(a,h)anthracene	<55.8	ug/kg	186	55.8	1	10/22/15 09:14	10/23/15 15:28	53-70-3	
Dibenzofuran	<24.9	ug/kg	82.9	24.9	1	10/22/15 09:14	10/23/15 15:28	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL2-2 (0-6)-101615 Lab ID: 40123074011 Collected: 10/16/15 12:15 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<64.6	ug/kg	215	64.6	1	10/22/15 09:14	10/23/15 15:28	95-50-1	
1,3-Dichlorobenzene	<28.5	ug/kg	94.9	28.5	1	10/22/15 09:14	10/23/15 15:28	541-73-1	
1,4-Dichlorobenzene	<28.6	ug/kg	95.4	28.6	1	10/22/15 09:14	10/23/15 15:28	106-46-7	
3,3'-Dichlorobenzidine	<55.8	ug/kg	186	55.8	1	10/22/15 09:14	10/23/15 15:28	91-94-1	
2,4-Dichlorophenol	<54.9	ug/kg	183	54.9	1	10/22/15 09:14	10/23/15 15:28	120-83-2	
Diethylphthalate	<34.1	ug/kg	114	34.1	1	10/22/15 09:14	10/23/15 15:28	84-66-2	
2,4-Dimethylphenol	<40.6	ug/kg	135	40.6	1	10/22/15 09:14	10/23/15 15:28	105-67-9	
Dimethylphthalate	<26.7	ug/kg	89.1	26.7	1	10/22/15 09:14	10/23/15 15:28	131-11-3	
Di-n-butylphthalate	<30.7	ug/kg	102	30.7	1	10/22/15 09:14	10/23/15 15:28	84-74-2	
4,6-Dinitro-2-methylphenol	<63.3	ug/kg	211	63.3	1	10/22/15 09:14	10/23/15 15:28	534-52-1	
2,4-Dinitrophenol	<62.6	ug/kg	209	62.6	1	10/22/15 09:14	10/23/15 15:28	51-28-5	
2,4-Dinitrotoluene	<29.4	ug/kg	98.0	29.4	1	10/22/15 09:14	10/23/15 15:28	121-14-2	
2,6-Dinitrotoluene	<39.0	ug/kg	130	39.0	1	10/22/15 09:14	10/23/15 15:28	606-20-2	
Di-n-octylphthalate	<46.2	ug/kg	154	46.2	1	10/22/15 09:14	10/23/15 15:28	117-84-0	
bis(2-Ethylhexyl)phthalate	<34.2	ug/kg	114	34.2	1	10/22/15 09:14	10/23/15 15:28	117-81-7	
Fluoranthene	<29.1	ug/kg	96.9	29.1	1	10/22/15 09:14	10/23/15 15:28	206-44-0	
Fluorene	<24.0	ug/kg	80.1	24.0	1	10/22/15 09:14	10/23/15 15:28	86-73-7	
Hexachloro-1,3-butadiene	<52.4	ug/kg	175	52.4	1	10/22/15 09:14	10/23/15 15:28	87-68-3	
Hexachlorobenzene	<34.6	ug/kg	115	34.6	1	10/22/15 09:14	10/23/15 15:28	118-74-1	
Hexachlorocyclopentadiene	<48.6	ug/kg	162	48.6	1	10/22/15 09:14	10/23/15 15:28	77-47-4	
Hexachloroethane	<32.9	ug/kg	110	32.9	1	10/22/15 09:14	10/23/15 15:28	67-72-1	
Indeno(1,2,3-cd)pyrene	<44.5	ug/kg	148	44.5	1	10/22/15 09:14	10/23/15 15:28	193-39-5	
Isophorone	<31.6	ug/kg	105	31.6	1	10/22/15 09:14	10/23/15 15:28	78-59-1	
2-Methylnaphthalene	<53.4	ug/kg	178	53.4	1	10/22/15 09:14	10/23/15 15:28	91-57-6	
2-Methylphenol(o-Cresol)	<37.3	ug/kg	124	37.3	1	10/22/15 09:14	10/23/15 15:28	95-48-7	
3&4-Methylphenol(m&p Cresol)	<37.7	ug/kg	126	37.7	1	10/22/15 09:14	10/23/15 15:28		
Naphthalene	<71.9	ug/kg	240	71.9	1	10/22/15 09:14	10/23/15 15:28	91-20-3	
2-Nitroaniline	<58.6	ug/kg	195	58.6	1	10/22/15 09:14	10/23/15 15:28	88-74-4	
3-Nitroaniline	<34.9	ug/kg	116	34.9	1	10/22/15 09:14	10/23/15 15:28	99-09-2	
4-Nitroaniline	<85.3	ug/kg	284	85.3	1	10/22/15 09:14	10/23/15 15:28	100-01-6	
Nitrobenzene	<41.7	ug/kg	139	41.7	1	10/22/15 09:14	10/23/15 15:28	98-95-3	
2-Nitrophenol	<64.9	ug/kg	216	64.9	1	10/22/15 09:14	10/23/15 15:28	88-75-5	
4-Nitrophenol	<51.7	ug/kg	172	51.7	1	10/22/15 09:14	10/23/15 15:28	100-02-7	
N-Nitroso-di-n-propylamine	<32.6	ug/kg	109	32.6	1	10/22/15 09:14	10/23/15 15:28	621-64-7	
N-Nitrosodiphenylamine	<279	ug/kg	929	279	1	10/22/15 09:14	10/23/15 15:28	86-30-6	
2,2'-Oxybis(1-chloropropane)	<53.0	ug/kg	177	53.0	1	10/22/15 09:14	10/23/15 15:28	108-60-1	
Pentachlorophenol	<45.3	ug/kg	151	45.3	1	10/22/15 09:14	10/23/15 15:28	87-86-5	
Phenanthrene	<26.4	ug/kg	87.9	26.4	1	10/22/15 09:14	10/23/15 15:28	85-01-8	
Phenol	<48.8	ug/kg	163	48.8	1	10/22/15 09:14	10/23/15 15:28	108-95-2	
Pyrene	<45.6	ug/kg	152	45.6	1	10/22/15 09:14	10/23/15 15:28	129-00-0	
1,2,4-Trichlorobenzene	<23.2	ug/kg	77.4	23.2	1	10/22/15 09:14	10/23/15 15:28	120-82-1	
2,4,5-Trichlorophenol	<36.3	ug/kg	121	36.3	1	10/22/15 09:14	10/23/15 15:28	95-95-4	
2,4,6-Trichlorophenol	<31.3	ug/kg	104	31.3	1	10/22/15 09:14	10/23/15 15:28	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	51	%	45-130		1	10/22/15 09:14	10/23/15 15:28	4165-60-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL2-2 (0-6)-101615 **Lab ID: 40123074011** Collected: 10/16/15 12:15 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	65	%	51-130		1	10/22/15 09:14	10/23/15 15:28	321-60-8	
Terphenyl-d14 (S)	83	%	37-134		1	10/22/15 09:14	10/23/15 15:28	1718-51-0	
Phenol-d6 (S)	60	%	36-130		1	10/22/15 09:14	10/23/15 15:28	13127-88-3	
2-Fluorophenol (S)	47	%	37-130		1	10/22/15 09:14	10/23/15 15:28	367-12-4	
2,4,6-Tribromophenol (S)	66	%	30-130		1	10/22/15 09:14	10/23/15 15:28	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.7	ug/kg	15.0	4.7	1	10/20/15 12:00	10/21/15 13:52	67-64-1	2q
Benzene	<1.2	ug/kg	3.7	1.2	1	10/20/15 12:00	10/21/15 13:52	71-43-2	
Bromodichloromethane	<0.82	ug/kg	3.7	0.82	1	10/20/15 12:00	10/21/15 13:52	75-27-4	
Bromoform	<0.63	ug/kg	3.7	0.63	1	10/20/15 12:00	10/21/15 13:52	75-25-2	
Bromomethane	<1.1	ug/kg	7.5	1.1	1	10/20/15 12:00	10/21/15 13:52	74-83-9	
2-Butanone (MEK)	<2.1	ug/kg	15.0	2.1	1	10/20/15 12:00	10/21/15 13:52	78-93-3	
Carbon disulfide	<0.97	ug/kg	3.7	0.97	1	10/20/15 12:00	10/21/15 13:52	75-15-0	
Carbon tetrachloride	<1.2	ug/kg	3.7	1.2	1	10/20/15 12:00	10/21/15 13:52	56-23-5	
Chlorobenzene	<1.2	ug/kg	3.7	1.2	1	10/20/15 12:00	10/21/15 13:52	108-90-7	
Chloroethane	<1.5	ug/kg	3.7	1.5	1	10/20/15 12:00	10/21/15 13:52	75-00-3	
Chloroform	<0.71	ug/kg	3.7	0.71	1	10/20/15 12:00	10/21/15 13:52	67-66-3	
Chloromethane	<0.42	ug/kg	3.7	0.42	1	10/20/15 12:00	10/21/15 13:52	74-87-3	
Dibromochloromethane	<1.3	ug/kg	3.7	1.3	1	10/20/15 12:00	10/21/15 13:52	124-48-1	
1,1-Dichloroethane	<1.8	ug/kg	3.7	1.8	1	10/20/15 12:00	10/21/15 13:52	75-34-3	
1,2-Dichloroethane	<0.73	ug/kg	3.7	0.73	1	10/20/15 12:00	10/21/15 13:52	107-06-2	
1,1-Dichloroethene	<1.7	ug/kg	3.7	1.7	1	10/20/15 12:00	10/21/15 13:52	75-35-4	
cis-1,2-Dichloroethene	<0.99	ug/kg	3.7	0.99	1	10/20/15 12:00	10/21/15 13:52	156-59-2	
trans-1,2-Dichloroethene	<0.93	ug/kg	3.7	0.93	1	10/20/15 12:00	10/21/15 13:52	156-60-5	
1,2-Dichloropropane	<0.94	ug/kg	3.7	0.94	1	10/20/15 12:00	10/21/15 13:52	78-87-5	
cis-1,3-Dichloropropene	<0.50	ug/kg	3.7	0.50	1	10/20/15 12:00	10/21/15 13:52	10061-01-5	
trans-1,3-Dichloropropene	<0.69	ug/kg	3.7	0.69	1	10/20/15 12:00	10/21/15 13:52	10061-02-6	
Ethylbenzene	<1.1	ug/kg	3.7	1.1	1	10/20/15 12:00	10/21/15 13:52	100-41-4	
2-Hexanone	<1.1	ug/kg	3.7	1.1	1	10/20/15 12:00	10/21/15 13:52	591-78-6	
Methylene Chloride	<1.4	ug/kg	3.7	1.4	1	10/20/15 12:00	10/21/15 13:52	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	<0.92	ug/kg	3.7	0.92	1	10/20/15 12:00	10/21/15 13:52	108-10-1	
Methyl-tert-butyl ether	<0.75	ug/kg	3.7	0.75	1	10/20/15 12:00	10/21/15 13:52	1634-04-4	
Styrene	<0.57	ug/kg	3.7	0.57	1	10/20/15 12:00	10/21/15 13:52	100-42-5	
1,1,2,2-Tetrachloroethane	<1.5	ug/kg	3.7	1.5	1	10/20/15 12:00	10/21/15 13:52	79-34-5	
Tetrachloroethene	<1.2	ug/kg	3.7	1.2	1	10/20/15 12:00	10/21/15 13:52	127-18-4	
Toluene	<1.1	ug/kg	3.7	1.1	1	10/20/15 12:00	10/21/15 13:52	108-88-3	
1,1,1-Trichloroethane	<1.2	ug/kg	3.7	1.2	1	10/20/15 12:00	10/21/15 13:52	71-55-6	
1,1,2-Trichloroethane	<1.4	ug/kg	3.7	1.4	1	10/20/15 12:00	10/21/15 13:52	79-00-5	
Trichloroethene	<1.4	ug/kg	3.7	1.4	1	10/20/15 12:00	10/21/15 13:52	79-01-6	
Vinyl chloride	<0.41	ug/kg	3.7	0.41	1	10/20/15 12:00	10/21/15 13:52	75-01-4	
Xylene (Total)	<3.4	ug/kg	11.2	3.4	1	10/20/15 12:00	10/21/15 13:52	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	117	%	70-130		1	10/20/15 12:00	10/21/15 13:52	1868-53-7	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL2-2 (0-6)-101615 **Lab ID: 40123074011** Collected: 10/16/15 12:15 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	102	%	67-138		1	10/20/15 12:00	10/21/15 13:52	2037-26-5	
4-Bromofluorobenzene (S)	94	%	68-130		1	10/20/15 12:00	10/21/15 13:52	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	18.8	%	0.10	0.10	1		10/17/15 12:13		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	7.63	Std. Units	0.100	0.0100	1		10/23/15 12:35		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL2-1 (0-6)-101615 Lab ID: 40123074012 Collected: 10/16/15 12:30 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<1.2	mg/kg	4.3	1.2	2	10/22/15 08:07	10/25/15 11:27	7440-36-0	D3
Arsenic	5.7	mg/kg	4.3	1.4	2	10/22/15 08:07	10/25/15 11:27	7440-38-2	
Barium	49.4	mg/kg	1.1	0.26	2	10/22/15 08:07	10/25/15 11:27	7440-39-3	
Beryllium	0.44J	mg/kg	0.86	0.081	2	10/22/15 08:07	10/25/15 11:27	7440-41-7	D3
Cadmium	<0.14	mg/kg	1.1	0.14	2	10/22/15 08:07	10/25/15 11:27	7440-43-9	D3
Calcium	72300	mg/kg	216	5.9	2	10/22/15 08:07	10/25/15 11:27	7440-70-2	
Chromium	13.2	mg/kg	1.1	0.42	2	10/22/15 08:07	10/25/15 11:27	7440-47-3	
Cobalt	5.9	mg/kg	1.1	0.21	2	10/22/15 08:07	10/25/15 11:27	7440-48-4	
Copper	13.0	mg/kg	2.2	0.34	2	10/22/15 08:07	10/25/15 11:27	7440-50-8	
Iron	12900	mg/kg	21.6	3.6	2	10/22/15 08:07	10/25/15 11:27	7439-89-6	
Lead	12.0	mg/kg	2.2	0.93	2	10/22/15 08:07	10/25/15 11:27	7439-92-1	
Magnesium	42300	mg/kg	216	11.7	2	10/22/15 08:07	10/25/15 11:27	7439-95-4	
Manganese	595	mg/kg	1.1	0.11	2	10/22/15 08:07	10/25/15 11:27	7439-96-5	
Nickel	12.0	mg/kg	2.2	0.28	2	10/22/15 08:07	10/25/15 11:27	7440-02-0	
Potassium	1890	mg/kg	216	17.7	2	10/22/15 08:07	10/25/15 11:27	7440-09-7	
Selenium	<1.7	mg/kg	4.3	1.7	2	10/22/15 08:07	10/25/15 11:27	7782-49-2	D3
Silver	<0.60	mg/kg	2.2	0.60	2	10/22/15 08:07	10/25/15 11:27	7440-22-4	D3
Sodium	115J	mg/kg	216	8.3	2	10/22/15 08:07	10/25/15 11:27	7440-23-5	D3
Thallium	<1.8	mg/kg	8.6	1.8	2	10/22/15 08:07	10/25/15 11:27	7440-28-0	D3
Vanadium	24.7	mg/kg	2.2	0.44	2	10/22/15 08:07	10/25/15 11:27	7440-62-2	
Zinc	34.6	mg/kg	8.6	0.83	2	10/22/15 08:07	10/25/15 11:27	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/21/15 05:07

Arsenic	<0.025	mg/L	0.050	0.025	1	10/22/15 08:26	10/26/15 17:05	7440-38-2	
Barium	0.70	mg/L	0.50	0.25	1	10/22/15 08:26	10/26/15 17:05	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/22/15 08:26	10/26/15 17:05	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/22/15 08:26	10/26/15 17:05	7440-43-9	
Chromium	<0.025	mg/L	0.050	0.025	1	10/22/15 08:26	10/26/15 17:05	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/22/15 08:26	10/26/15 17:05	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/22/15 08:26	10/26/15 17:05	7440-50-8	
Iron	13.3	mg/L	0.50	0.25	1	10/22/15 08:26	10/26/15 17:05	7439-89-6	
Lead	0.0074J	mg/L	0.0075	0.0038	1	10/22/15 08:26	10/26/15 17:05	7439-92-1	
Manganese	0.14	mg/L	0.050	0.025	1	10/22/15 08:26	10/26/15 17:05	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/22/15 08:26	10/26/15 17:05	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/22/15 08:26	10/26/15 17:05	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/22/15 08:26	10/26/15 17:05	7440-22-4	
Zinc	0.17	mg/L	0.050	0.025	1	10/22/15 08:26	10/26/15 17:05	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/21/15 05:00

Arsenic	<0.025	mg/L	0.050	0.025	1	10/22/15 10:25	10/23/15 22:51	7440-38-2	
Barium	0.27J	mg/L	0.50	0.25	1	10/22/15 10:25	10/23/15 22:51	7440-39-3	
Beryllium	<0.025	mg/L	0.050	0.025	1	10/22/15 10:25	10/23/15 22:51	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/22/15 10:25	10/23/15 22:51	7440-43-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL2-1 (0-6)-101615 **Lab ID:** 40123074012 Collected: 10/16/15 12:30 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/21/15 05:00									
Chromium	<0.025	mg/L	0.050	0.025	1	10/22/15 10:25	10/23/15 22:51	7440-47-3	
Cobalt	<0.025	mg/L	0.050	0.025	1	10/22/15 10:25	10/23/15 22:51	7440-48-4	
Copper	<0.025	mg/L	0.050	0.025	1	10/22/15 10:25	10/23/15 22:51	7440-50-8	
Iron	<0.25	mg/L	0.50	0.25	1	10/22/15 10:25	10/26/15 15:41	7439-89-6	
Lead	<0.0030	mg/L	0.0075	0.0030	1	10/22/15 10:25	10/23/15 22:51	7439-92-1	
Manganese	0.29	mg/L	0.050	0.025	1	10/22/15 10:25	10/23/15 22:51	7439-96-5	
Nickel	<0.025	mg/L	0.050	0.025	1	10/22/15 10:25	10/23/15 22:51	7440-02-0	
Selenium	<0.025	mg/L	0.050	0.025	1	10/22/15 10:25	10/23/15 22:51	7782-49-2	
Silver	<0.025	mg/L	0.050	0.025	1	10/22/15 10:25	10/23/15 22:51	7440-22-4	
Zinc	<0.025	mg/L	0.050	0.025	1	10/22/15 10:25	10/23/15 22:51	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/21/15 05:07									
Mercury	<0.10	ug/L	0.20	0.10	1	10/22/15 17:00	10/23/15 14:48	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/21/15 05:06									
Mercury	<0.10	ug/L	0.20	0.10	1	10/22/15 17:00	10/23/15 15:09	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.017	mg/kg	0.010	0.0027	1	10/27/15 09:11	10/28/15 09:39	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<65.7	ug/kg	219	65.7	1	10/22/15 09:14	10/23/15 16:01	83-32-9	
Acenaphthylene	<66.1	ug/kg	220	66.1	1	10/22/15 09:14	10/23/15 16:01	208-96-8	
Anthracene	<29.6	ug/kg	98.6	29.6	1	10/22/15 09:14	10/23/15 16:01	120-12-7	
Benzo(a)anthracene	<28.7	ug/kg	95.6	28.7	1	10/22/15 09:14	10/23/15 16:01	56-55-3	
Benzo(a)pyrene	<27.9	ug/kg	92.9	27.9	1	10/22/15 09:14	10/23/15 16:01	50-32-8	
Benzo(b)fluoranthene	<31.8	ug/kg	106	31.8	1	10/22/15 09:14	10/23/15 16:01	205-99-2	
Benzo(g,h,i)perylene	<48.4	ug/kg	161	48.4	1	10/22/15 09:14	10/23/15 16:01	191-24-2	
Benzo(k)fluoranthene	<44.3	ug/kg	148	44.3	1	10/22/15 09:14	10/23/15 16:01	207-08-9	
4-Bromophenylphenyl ether	<38.8	ug/kg	129	38.8	1	10/22/15 09:14	10/23/15 16:01	101-55-3	
Butylbenzylphthalate	<29.7	ug/kg	99.0	29.7	1	10/22/15 09:14	10/23/15 16:01	85-68-7	
Carbazole	<29.0	ug/kg	96.6	29.0	1	10/22/15 09:14	10/23/15 16:01	86-74-8	
4-Chloro-3-methylphenol	<57.6	ug/kg	192	57.6	1	10/22/15 09:14	10/23/15 16:01	59-50-7	
4-Chloroaniline	<30.4	ug/kg	101	30.4	1	10/22/15 09:14	10/23/15 16:01	106-47-8	
bis(2-Chloroethoxy)methane	<49.9	ug/kg	166	49.9	1	10/22/15 09:14	10/23/15 16:01	111-91-1	
bis(2-Chloroethyl) ether	<57.8	ug/kg	193	57.8	1	10/22/15 09:14	10/23/15 16:01	111-44-4	
2-Chloronaphthalene	<23.8	ug/kg	79.2	23.8	1	10/22/15 09:14	10/23/15 16:01	91-58-7	
2-Chlorophenol	<46.2	ug/kg	154	46.2	1	10/22/15 09:14	10/23/15 16:01	95-57-8	
4-Chlorophenylphenyl ether	<34.5	ug/kg	115	34.5	1	10/22/15 09:14	10/23/15 16:01	7005-72-3	
Chrysene	<27.7	ug/kg	92.3	27.7	1	10/22/15 09:14	10/23/15 16:01	218-01-9	
Dibenz(a,h)anthracene	<50.3	ug/kg	168	50.3	1	10/22/15 09:14	10/23/15 16:01	53-70-3	
Dibenzofuran	<22.4	ug/kg	74.7	22.4	1	10/22/15 09:14	10/23/15 16:01	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL2-1 (0-6)-101615 Lab ID: 40123074012 Collected: 10/16/15 12:30 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<58.2	ug/kg	194	58.2	1	10/22/15 09:14	10/23/15 16:01	95-50-1	
1,3-Dichlorobenzene	<25.6	ug/kg	85.5	25.6	1	10/22/15 09:14	10/23/15 16:01	541-73-1	
1,4-Dichlorobenzene	<25.8	ug/kg	86.0	25.8	1	10/22/15 09:14	10/23/15 16:01	106-46-7	
3,3'-Dichlorobenzidine	<50.2	ug/kg	167	50.2	1	10/22/15 09:14	10/23/15 16:01	91-94-1	
2,4-Dichlorophenol	<49.5	ug/kg	165	49.5	1	10/22/15 09:14	10/23/15 16:01	120-83-2	
Diethylphthalate	<30.7	ug/kg	102	30.7	1	10/22/15 09:14	10/23/15 16:01	84-66-2	
2,4-Dimethylphenol	<36.6	ug/kg	122	36.6	1	10/22/15 09:14	10/23/15 16:01	105-67-9	
Dimethylphthalate	<24.1	ug/kg	80.3	24.1	1	10/22/15 09:14	10/23/15 16:01	131-11-3	
Di-n-butylphthalate	<27.7	ug/kg	92.2	27.7	1	10/22/15 09:14	10/23/15 16:01	84-74-2	
4,6-Dinitro-2-methylphenol	<57.1	ug/kg	190	57.1	1	10/22/15 09:14	10/23/15 16:01	534-52-1	
2,4-Dinitrophenol	<56.4	ug/kg	188	56.4	1	10/22/15 09:14	10/23/15 16:01	51-28-5	
2,4-Dinitrotoluene	<26.5	ug/kg	88.3	26.5	1	10/22/15 09:14	10/23/15 16:01	121-14-2	
2,6-Dinitrotoluene	<35.2	ug/kg	117	35.2	1	10/22/15 09:14	10/23/15 16:01	606-20-2	
Di-n-octylphthalate	<41.6	ug/kg	139	41.6	1	10/22/15 09:14	10/23/15 16:01	117-84-0	
bis(2-Ethylhexyl)phthalate	<30.8	ug/kg	103	30.8	1	10/22/15 09:14	10/23/15 16:01	117-81-7	
Fluoranthene	<26.2	ug/kg	87.3	26.2	1	10/22/15 09:14	10/23/15 16:01	206-44-0	
Fluorene	<21.6	ug/kg	72.1	21.6	1	10/22/15 09:14	10/23/15 16:01	86-73-7	
Hexachloro-1,3-butadiene	<47.2	ug/kg	157	47.2	1	10/22/15 09:14	10/23/15 16:01	87-68-3	
Hexachlorobenzene	<31.1	ug/kg	104	31.1	1	10/22/15 09:14	10/23/15 16:01	118-74-1	
Hexachlorocyclopentadiene	<43.8	ug/kg	146	43.8	1	10/22/15 09:14	10/23/15 16:01	77-47-4	
Hexachloroethane	<29.6	ug/kg	98.8	29.6	1	10/22/15 09:14	10/23/15 16:01	67-72-1	
Indeno(1,2,3-cd)pyrene	<40.1	ug/kg	134	40.1	1	10/22/15 09:14	10/23/15 16:01	193-39-5	
Isophorone	<28.5	ug/kg	94.9	28.5	1	10/22/15 09:14	10/23/15 16:01	78-59-1	
2-Methylnaphthalene	<48.1	ug/kg	160	48.1	1	10/22/15 09:14	10/23/15 16:01	91-57-6	
2-Methylphenol(o-Cresol)	<33.6	ug/kg	112	33.6	1	10/22/15 09:14	10/23/15 16:01	95-48-7	
3&4-Methylphenol(m&p Cresol)	<33.9	ug/kg	113	33.9	1	10/22/15 09:14	10/23/15 16:01		
Naphthalene	<64.7	ug/kg	216	64.7	1	10/22/15 09:14	10/23/15 16:01	91-20-3	
2-Nitroaniline	<52.8	ug/kg	176	52.8	1	10/22/15 09:14	10/23/15 16:01	88-74-4	
3-Nitroaniline	<31.5	ug/kg	105	31.5	1	10/22/15 09:14	10/23/15 16:01	99-09-2	
4-Nitroaniline	<76.8	ug/kg	256	76.8	1	10/22/15 09:14	10/23/15 16:01	100-01-6	
Nitrobenzene	<37.5	ug/kg	125	37.5	1	10/22/15 09:14	10/23/15 16:01	98-95-3	
2-Nitrophenol	<58.4	ug/kg	195	58.4	1	10/22/15 09:14	10/23/15 16:01	88-75-5	
4-Nitrophenol	<46.6	ug/kg	155	46.6	1	10/22/15 09:14	10/23/15 16:01	100-02-7	
N-Nitroso-di-n-propylamine	<29.4	ug/kg	97.9	29.4	1	10/22/15 09:14	10/23/15 16:01	621-64-7	
N-Nitrosodiphenylamine	<251	ug/kg	837	251	1	10/22/15 09:14	10/23/15 16:01	86-30-6	
2,2'-Oxybis(1-chloropropane)	<47.7	ug/kg	159	47.7	1	10/22/15 09:14	10/23/15 16:01	108-60-1	
Pentachlorophenol	<40.8	ug/kg	136	40.8	1	10/22/15 09:14	10/23/15 16:01	87-86-5	
Phenanthrene	<23.8	ug/kg	79.2	23.8	1	10/22/15 09:14	10/23/15 16:01	85-01-8	
Phenol	<43.9	ug/kg	146	43.9	1	10/22/15 09:14	10/23/15 16:01	108-95-2	
Pyrene	<41.0	ug/kg	137	41.0	1	10/22/15 09:14	10/23/15 16:01	129-00-0	
1,2,4-Trichlorobenzene	<20.9	ug/kg	69.8	20.9	1	10/22/15 09:14	10/23/15 16:01	120-82-1	
2,4,5-Trichlorophenol	<32.7	ug/kg	109	32.7	1	10/22/15 09:14	10/23/15 16:01	95-95-4	
2,4,6-Trichlorophenol	<28.2	ug/kg	94.1	28.2	1	10/22/15 09:14	10/23/15 16:01	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	49	%	45-130		1	10/22/15 09:14	10/23/15 16:01	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL2-1 (0-6)-101615 **Lab ID: 40123074012** Collected: 10/16/15 12:30 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	63	%	51-130		1	10/22/15 09:14	10/23/15 16:01	321-60-8	
Terphenyl-d14 (S)	70	%	37-134		1	10/22/15 09:14	10/23/15 16:01	1718-51-0	
Phenol-d6 (S)	58	%	36-130		1	10/22/15 09:14	10/23/15 16:01	13127-88-3	
2-Fluorophenol (S)	43	%	37-130		1	10/22/15 09:14	10/23/15 16:01	367-12-4	
2,4,6-Tribromophenol (S)	53	%	30-130		1	10/22/15 09:14	10/23/15 16:01	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.0	ug/kg	12.7	4.0	1	10/20/15 12:00	10/21/15 14:15	67-64-1	2q
Benzene	<1.0	ug/kg	3.2	1.0	1	10/20/15 12:00	10/21/15 14:15	71-43-2	
Bromodichloromethane	<0.70	ug/kg	3.2	0.70	1	10/20/15 12:00	10/21/15 14:15	75-27-4	
Bromoform	<0.54	ug/kg	3.2	0.54	1	10/20/15 12:00	10/21/15 14:15	75-25-2	
Bromomethane	<0.95	ug/kg	6.4	0.95	1	10/20/15 12:00	10/21/15 14:15	74-83-9	
2-Butanone (MEK)	<1.8	ug/kg	12.7	1.8	1	10/20/15 12:00	10/21/15 14:15	78-93-3	
Carbon disulfide	<0.82	ug/kg	3.2	0.82	1	10/20/15 12:00	10/21/15 14:15	75-15-0	
Carbon tetrachloride	<1.0	ug/kg	3.2	1.0	1	10/20/15 12:00	10/21/15 14:15	56-23-5	
Chlorobenzene	<1.0	ug/kg	3.2	1.0	1	10/20/15 12:00	10/21/15 14:15	108-90-7	
Chloroethane	<1.3	ug/kg	3.2	1.3	1	10/20/15 12:00	10/21/15 14:15	75-00-3	
Chloroform	<0.60	ug/kg	3.2	0.60	1	10/20/15 12:00	10/21/15 14:15	67-66-3	
Chloromethane	<0.36	ug/kg	3.2	0.36	1	10/20/15 12:00	10/21/15 14:15	74-87-3	
Dibromochloromethane	<1.1	ug/kg	3.2	1.1	1	10/20/15 12:00	10/21/15 14:15	124-48-1	
1,1-Dichloroethane	<1.5	ug/kg	3.2	1.5	1	10/20/15 12:00	10/21/15 14:15	75-34-3	
1,2-Dichloroethane	<0.62	ug/kg	3.2	0.62	1	10/20/15 12:00	10/21/15 14:15	107-06-2	
1,1-Dichloroethene	<1.4	ug/kg	3.2	1.4	1	10/20/15 12:00	10/21/15 14:15	75-35-4	
cis-1,2-Dichloroethene	<0.84	ug/kg	3.2	0.84	1	10/20/15 12:00	10/21/15 14:15	156-59-2	
trans-1,2-Dichloroethene	<0.79	ug/kg	3.2	0.79	1	10/20/15 12:00	10/21/15 14:15	156-60-5	
1,2-Dichloropropane	<0.80	ug/kg	3.2	0.80	1	10/20/15 12:00	10/21/15 14:15	78-87-5	
cis-1,3-Dichloropropene	<0.42	ug/kg	3.2	0.42	1	10/20/15 12:00	10/21/15 14:15	10061-01-5	
trans-1,3-Dichloropropene	<0.59	ug/kg	3.2	0.59	1	10/20/15 12:00	10/21/15 14:15	10061-02-6	
Ethylbenzene	<0.92	ug/kg	3.2	0.92	1	10/20/15 12:00	10/21/15 14:15	100-41-4	
2-Hexanone	<0.94	ug/kg	3.2	0.94	1	10/20/15 12:00	10/21/15 14:15	591-78-6	
Methylene Chloride	<1.2	ug/kg	3.2	1.2	1	10/20/15 12:00	10/21/15 14:15	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	<0.78	ug/kg	3.2	0.78	1	10/20/15 12:00	10/21/15 14:15	108-10-1	
Methyl-tert-butyl ether	<0.64	ug/kg	3.2	0.64	1	10/20/15 12:00	10/21/15 14:15	1634-04-4	
Styrene	<0.48	ug/kg	3.2	0.48	1	10/20/15 12:00	10/21/15 14:15	100-42-5	
1,1,2,2-Tetrachloroethane	<1.3	ug/kg	3.2	1.3	1	10/20/15 12:00	10/21/15 14:15	79-34-5	
Tetrachloroethene	<1.0	ug/kg	3.2	1.0	1	10/20/15 12:00	10/21/15 14:15	127-18-4	
Toluene	<0.94	ug/kg	3.2	0.94	1	10/20/15 12:00	10/21/15 14:15	108-88-3	
1,1,1-Trichloroethane	<0.98	ug/kg	3.2	0.98	1	10/20/15 12:00	10/21/15 14:15	71-55-6	
1,1,2-Trichloroethane	<1.2	ug/kg	3.2	1.2	1	10/20/15 12:00	10/21/15 14:15	79-00-5	
Trichloroethene	<1.2	ug/kg	3.2	1.2	1	10/20/15 12:00	10/21/15 14:15	79-01-6	
Vinyl chloride	<0.35	ug/kg	3.2	0.35	1	10/20/15 12:00	10/21/15 14:15	75-01-4	
Xylene (Total)	<2.8	ug/kg	9.5	2.8	1	10/20/15 12:00	10/21/15 14:15	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	111	%	70-130		1	10/20/15 12:00	10/21/15 14:15	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40123074

Sample: AL2-1 (0-6)-101615 **Lab ID: 40123074012** Collected: 10/16/15 12:30 Received: 10/16/15 17:41 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	105	%	67-138		1	10/20/15 12:00	10/21/15 14:15	2037-26-5	
4-Bromofluorobenzene (S)	95	%	68-130		1	10/20/15 12:00	10/21/15 14:15	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	9.8	%	0.10	0.10	1		10/17/15 12:13		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	7.70	Std. Units	0.100	0.0100	1		10/23/15 12:35		H6

Revised 11/05/15 16:35

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: **EDI**

Branch/Location: **Patricia/Colin**

Project Contact: **312-345-1400**

Phone: **0295.020**

Project Number: **FATS**

Project Name: **IL**

Project State: **Colin Fenner**

Sampled By (Print):

Sampled By (Sign):

PO #: **Regulatory Program:**

Data Package Options

EPA Level III

EPA Level IV

On your sample (billable)

NOT needed on your sample

Matrix Codes

A = Air
B = Biot
C = Charcoal
O = Oil
S = Soil
SI = Sludge

W = Water
DW = Drinking Water
GW = Ground Water
SW = Surface Water
WW = Waste Water
WP = Wipe

PAGE LAB # CLIENT FIELD ID

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX
001	AL1-14(6-6)-101615	10/11/15	0835	Soil
002	AL1-14(6-6)-101615D		0840	
003	AL1-13(6-4)-101615		0855	
004	AL1-12(6-4)-101615		0900	
005	AL1-11(6-4)-101615		0920	
006	AL1-10(6-4)-101615		0930	
007	AL1-9(6-4)-101615		1030	
008	AL1-8(6-5)-101615		1045	
009	AL1-8(5-9)-101615		1050	
010	AL2-3(6-6)-101615		1155	
011	AL2-2(6-6)-101615		1215	
012	AL2-1(6-6)-101615		1230	

CHAIN OF CUSTODY

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Preservation Codes: A=None, B=HCL, C=H2SO4, D=HNO3, E=DI Water, F=Methanol, G=NaOH, H= Sodium Bisulfate Solution, I= Sodium Thiosulfate, J=Other

CHAIN OF CUSTODY

FILTERED? (YES/NO)
PRESERVATION (CODE)*

Y/N	Pick Letter	Analyses Requested
X		VOCs
X		SVOCs
X		Total Metals
X		TCLP Metals
X		SPRP Metals
X		PH

Quote #: _____

Mail To Contact: _____

Mail To Company: _____

Mail To Address: _____

Invoice To Contact: _____

Invoice To Company: _____

Invoice To Address: _____

Invoice To Phone: _____

CLIENT COMMENTS: 3-40mlv EEF

LAB COMMENTS (Lab Use Only): 3-4030g #

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)

Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1: _____

Email #2: _____

Telephone: _____

Fax: _____

Special pricing and release of liability

Relinquished By: **Patricia Maynard** Date/Time: **10/11/15 1308**

Relinquished By: **AS Logistical** Date/Time: **10/17/15 0850**

Received By: **Patricia Maynard** Date/Time: **10/11/15 1318**

Received By: **Sato Okuyama** Date/Time: **10/17/15 0750**

PAGE Project No. _____

Receipt Temp = **1** °C

Sample Receipt pH **OK / Adjusted**

Cooler System Seal **Present / Not Present**

Intact / Not Intact

UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436



Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Project #:

WO#: 40123074

Client Name: EDI

Courier: Fed Ex UPS Client Pace Other: CS Logistics
Tracking #:



Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SE-56 Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: / /Corr: / Biological Tissue is Frozen: yes

Temp Blank Present: yes no

Person examining contents:
Date: 10/17/15
Initials: JS

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows of checklist items and checkboxes. Includes items like 'Chain of Custody Present', 'Short Hold Time Analysis (<72hr):', 'Rush Turn Around Time Requested:', 'Sample Labels match COC:', 'Containers Intact:', 'Filtered volume received for Dissolved tests', 'Headspace in VOA Vials (>6mm):', 'Trip Blank Present:'. Includes handwritten notes like '2 oil pH' and '004 time 0910 on all samples'.

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: Date: 10/19/15

November 10, 2015

Patricia Feeley, P.G.
Environmental Design International Inc.
33 West Monroe Street
Suite 1825
Chicago, IL 606035326

RE: Project: 0295.020 FAI 55
Pace Project No.: 40122822

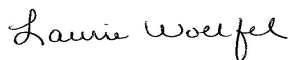
Dear Patricia Feeley, P.G.:

Enclosed are the analytical results for sample(s) received by the laboratory on October 14, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Revised Report REV_1. Added 6010 SPLP Mn to sample 40122822001.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Laurie Woelfel
laurie.woelfel@pacelabs.com
Project Manager

Enclosures

cc: Andrew Dorn, Environmental Design
Colin Pannier, Environmental Design



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Alabama Certification #40770

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

Colorado Certification #Pace

Connecticut Certification #: PH-0256

EPA Region 8 Certification #: 8TMS-L

Florida/NELAP Certification #: E87605

Guam Certification #:14-008r

Georgia Certification #: 959

Georgia EPD #: Pace

Idaho Certification #: MN00064

Hawaii Certification #MN00064

Illinois Certification #: 200011

Indiana Certification#C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky Dept of Envi. Protection - DW #90062

Kentucky Dept of Envi. Protection - WW #:90062

Louisiana DEQ Certification #: 3086

Louisiana DHH #: LA140001

Maine Certification #: 2013011

Maryland Certification #: 322

Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New York Certification #: 11647

North Carolina Certification #: 530

North Carolina State Public Health #: 27700

North Dakota Certification #: R-036

Ohio EPA #: 4150

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Oregon Certification #: MN300001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Saipan (CNMI) #:MP0003

South Carolina #:74003001

Texas Certification #: T104704192

Tennessee Certification #: 02818

Utah Certification #: MN000642013-4

Virginia DGS Certification #: 251

Washington Certification #: C486

West Virginia Certification #: 382

West Virginia DHHR #:9952C

Wisconsin Certification #: 999407970

New Orleans Certification IDs

California Env. Lab Accreditation Program Branch:

11277CA

Florida Department of Health (NELAC): E87595

Illinois Environmental Protection Agency: 0025721

Kansas Department of Health and Environment (NELAC):

E-10266

Louisiana Dept. of Environmental Quality (NELAC/LELAP):

02006

Pennsylvania Dept. of Env Protection (NELAC): 68-04202

Texas Commission on Env. Quality (NELAC):

T104704405-09-TX

U.S. Dept. of Agriculture Foreign Soil Import: P330-10-

00119

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP ID: 460263

Virginia VELAP Certification ID: 460263

Wisconsin Certification #: 405132750

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 200074

Indiana Certification #: C-49-06

Kansas Certification #E-10177

Kentucky UST Certification #: 0042

Kentucky WW Certification #:98019

Louisiana Certification #: 04076

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2014-148

Texas Certification #: T104704355-15-9

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-10-00128

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 15-016-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL2-16 (0-5)-101315 Lab ID: 40122822023 Collected: 10/13/15 11:15 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.46	mg/kg	0.92	0.46	1	10/16/15 11:38	10/19/15 08:17	7440-36-0	
Arsenic	3.0	mg/kg	0.92	0.46	1	10/16/15 11:38	10/19/15 08:17	7440-38-2	
Barium	12.9	mg/kg	0.92	0.46	1	10/16/15 11:38	10/19/15 08:17	7440-39-3	
Beryllium	<0.23	mg/kg	0.46	0.23	1	10/16/15 11:38	10/19/15 08:17	7440-41-7	
Cadmium	0.26J	mg/kg	0.46	0.23	1	10/16/15 11:38	10/19/15 08:17	7440-43-9	
Calcium	141000	mg/kg	4580	2290	100	10/16/15 11:38	10/19/15 09:05	7440-70-2	
Chromium	5.5	mg/kg	0.92	0.46	1	10/16/15 11:38	10/19/15 08:17	7440-47-3	
Cobalt	1.9	mg/kg	0.92	0.46	1	10/16/15 11:38	10/19/15 08:17	7440-48-4	
Copper	7.3	mg/kg	0.92	0.46	1	10/16/15 11:38	10/19/15 08:17	7440-50-8	
Iron	5710	mg/kg	45.8	22.9	1	10/16/15 11:38	10/19/15 08:17	7439-89-6	
Lead	41.7	mg/kg	0.92	0.46	1	10/16/15 11:38	10/19/15 08:17	7439-92-1	
Magnesium	80900	mg/kg	4580	2290	100	10/16/15 11:38	10/19/15 09:05	7439-95-4	
Manganese	284	mg/kg	0.92	0.46	1	10/16/15 11:38	10/19/15 08:17	7439-96-5	
Nickel	5.3	mg/kg	0.92	0.46	1	10/16/15 11:38	10/19/15 08:17	7440-02-0	
Potassium	793	mg/kg	45.8	22.9	1	10/16/15 11:38	10/19/15 08:17	7440-09-7	
Selenium	<0.46	mg/kg	0.92	0.46	1	10/16/15 11:38	10/19/15 08:17	7782-49-2	
Silver	<0.23	mg/kg	0.46	0.23	1	10/16/15 11:38	10/19/15 08:17	7440-22-4	
Sodium	319	mg/kg	45.8	22.9	1	10/16/15 11:38	10/19/15 08:17	7440-23-5	
Thallium	0.50J	mg/kg	0.92	0.46	1	10/16/15 11:38	10/19/15 08:17	7440-28-0	
Vanadium	6.5	mg/kg	0.92	0.46	1	10/16/15 11:38	10/19/15 08:17	7440-62-2	
Zinc	19.2	mg/kg	0.92	0.46	1	10/16/15 11:38	10/19/15 08:17	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Arsenic	<0.0029	mg/L	0.010	0.0029	1	10/21/15 06:57	10/25/15 11:47	7440-38-2	
Barium	0.025J	mg/L	0.50	0.0033	1	10/21/15 06:57	10/25/15 11:47	7440-39-3	
Beryllium	<0.00031	mg/L	0.0040	0.00031	1	10/21/15 06:57	10/25/15 11:47	7440-41-7	
Cadmium	<0.00021	mg/L	0.0050	0.00021	1	10/21/15 06:57	10/25/15 11:47	7440-43-9	
Chromium	<0.0025	mg/L	0.010	0.0025	1	10/21/15 06:57	10/25/15 11:47	7440-47-3	
Cobalt	<0.00053	mg/L	0.010	0.00053	1	10/21/15 06:57	10/25/15 11:47	7440-48-4	
Copper	0.0083J	mg/L	0.010	0.0040	1	10/21/15 06:57	10/25/15 11:47	7440-50-8	
Iron	0.55	mg/L	0.10	0.016	1	10/21/15 06:57	10/25/15 11:47	7439-89-6	
Lead	0.0046J	mg/L	0.010	0.0029	1	10/21/15 06:57	10/25/15 11:47	7439-92-1	
Manganese	0.0053J	mg/L	0.010	0.0010	1	10/21/15 06:57	10/25/15 11:47	7439-96-5	
Nickel	0.0016J	mg/L	0.010	0.00074	1	10/21/15 06:57	10/25/15 11:47	7440-02-0	
Selenium	<0.0033	mg/L	0.010	0.0033	1	10/21/15 06:57	10/25/15 11:47	7782-49-2	
Silver	<0.0033	mg/L	0.010	0.0033	1	10/21/15 06:57	10/25/15 11:47	7440-22-4	
Zinc	0.0081J	mg/L	0.020	0.0030	1	10/21/15 06:57	10/25/15 11:47	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/15/15 15:40

Arsenic	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 11:02	7440-38-2	
Barium	<0.25	mg/L	0.50	0.25	1	10/16/15 15:49	10/27/15 11:02	7440-39-3	
Beryllium	<0.0020	mg/L	0.0040	0.0020	1	10/16/15 15:49	10/27/15 11:02	7440-41-7	
Cadmium	0.0085	mg/L	0.0050	0.0025	1	10/16/15 15:49	10/27/15 11:02	7440-43-9	
Chromium	<0.0052	mg/L	0.010	0.0052	1	10/16/15 15:49	10/27/15 11:02	7440-47-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL2-16 (0-5)-101315 Lab ID: 40122822023 Collected: 10/13/15 11:15 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/15/15 15:40									
Cobalt	0.037	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 11:02	7440-48-4	
Copper	0.012	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 11:02	7440-50-8	
Iron	0.40	mg/L	0.10	0.050	1	10/16/15 15:49	10/27/15 11:02	7439-89-6	
Lead	0.090	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 11:02	7439-92-1	
Manganese	5.4	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 11:02	7439-96-5	
Nickel	0.062	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 11:02	7440-02-0	
Selenium	0.0062J	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 11:02	7782-49-2	
Silver	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 11:02	7440-22-4	
Zinc	0.12	mg/L	0.020	0.010	1	10/16/15 15:49	10/27/15 11:02	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.33	ug/L	0.67	0.33	1	10/20/15 19:24	10/21/15 11:48	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/15/15 15:40									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/20/15 19:27	10/21/15 12:43	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.0087J	mg/kg	0.22	0.0043	1	10/16/15 20:04	10/16/15 22:36	7439-97-6	CU
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<62.3	ug/kg	208	62.3	1	10/16/15 12:33	10/19/15 09:39	83-32-9	
Acenaphthylene	<62.7	ug/kg	209	62.7	1	10/16/15 12:33	10/19/15 09:39	208-96-8	
Anthracene	<28.1	ug/kg	93.7	28.1	1	10/16/15 12:33	10/19/15 09:39	120-12-7	
Benzo(a)anthracene	<27.2	ug/kg	90.8	27.2	1	10/16/15 12:33	10/19/15 09:39	56-55-3	
Benzo(a)pyrene	<26.5	ug/kg	88.2	26.5	1	10/16/15 12:33	10/19/15 09:39	50-32-8	
Benzo(b)fluoranthene	<30.2	ug/kg	101	30.2	1	10/16/15 12:33	10/19/15 09:39	205-99-2	
Benzo(g,h,i)perylene	<46.0	ug/kg	153	46.0	1	10/16/15 12:33	10/19/15 09:39	191-24-2	
Benzo(k)fluoranthene	<42.1	ug/kg	140	42.1	1	10/16/15 12:33	10/19/15 09:39	207-08-9	
4-Bromophenylphenyl ether	<36.8	ug/kg	123	36.8	1	10/16/15 12:33	10/19/15 09:39	101-55-3	
Butylbenzylphthalate	<28.2	ug/kg	94.0	28.2	1	10/16/15 12:33	10/19/15 09:39	85-68-7	
Carbazole	<27.5	ug/kg	91.7	27.5	1	10/16/15 12:33	10/19/15 09:39	86-74-8	
4-Chloro-3-methylphenol	<54.7	ug/kg	182	54.7	1	10/16/15 12:33	10/19/15 09:39	59-50-7	
4-Chloroaniline	<28.9	ug/kg	96.3	28.9	1	10/16/15 12:33	10/19/15 09:39	106-47-8	
bis(2-Chloroethoxy)methane	<47.3	ug/kg	158	47.3	1	10/16/15 12:33	10/19/15 09:39	111-91-1	
bis(2-Chloroethyl) ether	<54.9	ug/kg	183	54.9	1	10/16/15 12:33	10/19/15 09:39	111-44-4	
2-Chloronaphthalene	<22.6	ug/kg	75.2	22.6	1	10/16/15 12:33	10/19/15 09:39	91-58-7	
2-Chlorophenol	<43.9	ug/kg	146	43.9	1	10/16/15 12:33	10/19/15 09:39	95-57-8	
4-Chlorophenylphenyl ether	<32.7	ug/kg	109	32.7	1	10/16/15 12:33	10/19/15 09:39	7005-72-3	
Chrysene	<26.3	ug/kg	87.6	26.3	1	10/16/15 12:33	10/19/15 09:39	218-01-9	
Dibenz(a,h)anthracene	<47.8	ug/kg	159	47.8	1	10/16/15 12:33	10/19/15 09:39	53-70-3	
Dibenzofuran	<21.3	ug/kg	70.9	21.3	1	10/16/15 12:33	10/19/15 09:39	132-64-9	
1,2-Dichlorobenzene	<55.3	ug/kg	184	55.3	1	10/16/15 12:33	10/19/15 09:39	95-50-1	
1,3-Dichlorobenzene	<24.3	ug/kg	81.1	24.3	1	10/16/15 12:33	10/19/15 09:39	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL2-16 (0-5)-101315 **Lab ID: 40122822023** Collected: 10/13/15 11:15 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,4-Dichlorobenzene	<24.5	ug/kg	81.6	24.5	1	10/16/15 12:33	10/19/15 09:39	106-46-7	
3,3'-Dichlorobenzidine	<47.7	ug/kg	159	47.7	1	10/16/15 12:33	10/19/15 09:39	91-94-1	
2,4-Dichlorophenol	<47.0	ug/kg	157	47.0	1	10/16/15 12:33	10/19/15 09:39	120-83-2	
Diethylphthalate	<29.2	ug/kg	97.2	29.2	1	10/16/15 12:33	10/19/15 09:39	84-66-2	
2,4-Dimethylphenol	<34.8	ug/kg	116	34.8	1	10/16/15 12:33	10/19/15 09:39	105-67-9	
Dimethylphthalate	<22.9	ug/kg	76.2	22.9	1	10/16/15 12:33	10/19/15 09:39	131-11-3	
Di-n-butylphthalate	<26.3	ug/kg	87.6	26.3	1	10/16/15 12:33	10/19/15 09:39	84-74-2	
4,6-Dinitro-2-methylphenol	<54.2	ug/kg	181	54.2	1	10/16/15 12:33	10/19/15 09:39	534-52-1	
2,4-Dinitrophenol	<53.6	ug/kg	179	53.6	1	10/16/15 12:33	10/19/15 09:39	51-28-5	
2,4-Dinitrotoluene	<25.1	ug/kg	83.8	25.1	1	10/16/15 12:33	10/19/15 09:39	121-14-2	
2,6-Dinitrotoluene	<33.4	ug/kg	111	33.4	1	10/16/15 12:33	10/19/15 09:39	606-20-2	
Di-n-octylphthalate	<39.5	ug/kg	132	39.5	1	10/16/15 12:33	10/19/15 09:39	117-84-0	
bis(2-Ethylhexyl)phthalate	<29.2	ug/kg	97.4	29.2	1	10/16/15 12:33	10/19/15 09:39	117-81-7	
Fluoranthene	<24.9	ug/kg	82.9	24.9	1	10/16/15 12:33	10/19/15 09:39	206-44-0	
Fluorene	<20.5	ug/kg	68.5	20.5	1	10/16/15 12:33	10/19/15 09:39	86-73-7	
Hexachloro-1,3-butadiene	<44.8	ug/kg	149	44.8	1	10/16/15 12:33	10/19/15 09:39	87-68-3	
Hexachlorobenzene	<29.6	ug/kg	98.6	29.6	1	10/16/15 12:33	10/19/15 09:39	118-74-1	
Hexachlorocyclopentadiene	<41.6	ug/kg	139	41.6	1	10/16/15 12:33	10/19/15 09:39	77-47-4	
Hexachloroethane	<28.1	ug/kg	93.8	28.1	1	10/16/15 12:33	10/19/15 09:39	67-72-1	
Indeno(1,2,3-cd)pyrene	<38.0	ug/kg	127	38.0	1	10/16/15 12:33	10/19/15 09:39	193-39-5	
Isophorone	<27.0	ug/kg	90.1	27.0	1	10/16/15 12:33	10/19/15 09:39	78-59-1	
2-Methylnaphthalene	<45.6	ug/kg	152	45.6	1	10/16/15 12:33	10/19/15 09:39	91-57-6	
2-Methylphenol(o-Cresol)	<31.9	ug/kg	106	31.9	1	10/16/15 12:33	10/19/15 09:39	95-48-7	
3&4-Methylphenol(m&p Cresol)	<32.2	ug/kg	107	32.2	1	10/16/15 12:33	10/19/15 09:39		
Naphthalene	<61.5	ug/kg	205	61.5	1	10/16/15 12:33	10/19/15 09:39	91-20-3	
2-Nitroaniline	<50.1	ug/kg	167	50.1	1	10/16/15 12:33	10/19/15 09:39	88-74-4	
3-Nitroaniline	<29.9	ug/kg	99.7	29.9	1	10/16/15 12:33	10/19/15 09:39	99-09-2	
4-Nitroaniline	<73.0	ug/kg	243	73.0	1	10/16/15 12:33	10/19/15 09:39	100-01-6	
Nitrobenzene	<35.7	ug/kg	119	35.7	1	10/16/15 12:33	10/19/15 09:39	98-95-3	
2-Nitrophenol	<55.5	ug/kg	185	55.5	1	10/16/15 12:33	10/19/15 09:39	88-75-5	
4-Nitrophenol	<44.3	ug/kg	148	44.3	1	10/16/15 12:33	10/19/15 09:39	100-02-7	
N-Nitroso-di-n-propylamine	<27.9	ug/kg	92.9	27.9	1	10/16/15 12:33	10/19/15 09:39	621-64-7	
N-Nitrosodiphenylamine	<239	ug/kg	795	239	1	10/16/15 12:33	10/19/15 09:39	86-30-6	
2,2'-Oxybis(1-chloropropane)	<45.3	ug/kg	151	45.3	1	10/16/15 12:33	10/19/15 09:39	108-60-1	
Pentachlorophenol	<38.7	ug/kg	129	38.7	1	10/16/15 12:33	10/19/15 09:39	87-86-5	
Phenanthrene	<22.6	ug/kg	75.2	22.6	1	10/16/15 12:33	10/19/15 09:39	85-01-8	
Phenol	<41.7	ug/kg	139	41.7	1	10/16/15 12:33	10/19/15 09:39	108-95-2	
Pyrene	<39.0	ug/kg	130	39.0	1	10/16/15 12:33	10/19/15 09:39	129-00-0	
1,2,4-Trichlorobenzene	<19.9	ug/kg	66.2	19.9	1	10/16/15 12:33	10/19/15 09:39	120-82-1	
2,4,5-Trichlorophenol	<31.1	ug/kg	104	31.1	1	10/16/15 12:33	10/19/15 09:39	95-95-4	
2,4,6-Trichlorophenol	<26.8	ug/kg	89.3	26.8	1	10/16/15 12:33	10/19/15 09:39	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	73	%	45-130		1	10/16/15 12:33	10/19/15 09:39	4165-60-0	
2-Fluorobiphenyl (S)	75	%	51-130		1	10/16/15 12:33	10/19/15 09:39	321-60-8	
Terphenyl-d14 (S)	74	%	37-134		1	10/16/15 12:33	10/19/15 09:39	1718-51-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL2-16 (0-5)-101315 Lab ID: 40122822023 Collected: 10/13/15 11:15 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Phenol-d6 (S)	64	%	36-130		1	10/16/15 12:33	10/19/15 09:39	13127-88-3	
2-Fluorophenol (S)	70	%	37-130		1	10/16/15 12:33	10/19/15 09:39	367-12-4	
2,4,6-Tribromophenol (S)	70	%	30-130		1	10/16/15 12:33	10/19/15 09:39	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<3.9	ug/kg	12.6	3.9	1	10/16/15 12:00	10/17/15 02:24	67-64-1	2q
Benzene	<1.0	ug/kg	3.1	1.0	1	10/16/15 12:00	10/17/15 02:24	71-43-2	
Bromodichloromethane	<0.69	ug/kg	3.1	0.69	1	10/16/15 12:00	10/17/15 02:24	75-27-4	
Bromoform	<0.53	ug/kg	3.1	0.53	1	10/16/15 12:00	10/17/15 02:24	75-25-2	
Bromomethane	<0.94	ug/kg	6.3	0.94	1	10/16/15 12:00	10/17/15 02:24	74-83-9	
2-Butanone (MEK)	<1.8	ug/kg	12.6	1.8	1	10/16/15 12:00	10/17/15 02:24	78-93-3	
Carbon disulfide	<0.81	ug/kg	3.1	0.81	1	10/16/15 12:00	10/17/15 02:24	75-15-0	
Carbon tetrachloride	<1.0	ug/kg	3.1	1.0	1	10/16/15 12:00	10/17/15 02:24	56-23-5	
Chlorobenzene	<1.0	ug/kg	3.1	1.0	1	10/16/15 12:00	10/17/15 02:24	108-90-7	
Chloroethane	<1.3	ug/kg	3.1	1.3	1	10/16/15 12:00	10/17/15 02:24	75-00-3	
Chloroform	<0.60	ug/kg	3.1	0.60	1	10/16/15 12:00	10/17/15 02:24	67-66-3	
Chloromethane	<0.35	ug/kg	3.1	0.35	1	10/16/15 12:00	10/17/15 02:24	74-87-3	
Dibromochloromethane	<1.1	ug/kg	3.1	1.1	1	10/16/15 12:00	10/17/15 02:24	124-48-1	
1,1-Dichloroethane	<1.5	ug/kg	3.1	1.5	1	10/16/15 12:00	10/17/15 02:24	75-34-3	
1,2-Dichloroethane	<0.62	ug/kg	3.1	0.62	1	10/16/15 12:00	10/17/15 02:24	107-06-2	
1,1-Dichloroethene	<1.4	ug/kg	3.1	1.4	1	10/16/15 12:00	10/17/15 02:24	75-35-4	
cis-1,2-Dichloroethene	<0.83	ug/kg	3.1	0.83	1	10/16/15 12:00	10/17/15 02:24	156-59-2	
trans-1,2-Dichloroethene	<0.78	ug/kg	3.1	0.78	1	10/16/15 12:00	10/17/15 02:24	156-60-5	
1,2-Dichloropropane	<0.79	ug/kg	3.1	0.79	1	10/16/15 12:00	10/17/15 02:24	78-87-5	
cis-1,3-Dichloropropene	<0.42	ug/kg	3.1	0.42	1	10/16/15 12:00	10/17/15 02:24	10061-01-5	
trans-1,3-Dichloropropene	<0.58	ug/kg	3.1	0.58	1	10/16/15 12:00	10/17/15 02:24	10061-02-6	
Ethylbenzene	<0.91	ug/kg	3.1	0.91	1	10/16/15 12:00	10/17/15 02:24	100-41-4	
2-Hexanone	<0.93	ug/kg	3.1	0.93	1	10/16/15 12:00	10/17/15 02:24	591-78-6	
Methylene Chloride	<1.2	ug/kg	3.1	1.2	1	10/16/15 12:00	10/17/15 02:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.77	ug/kg	3.1	0.77	1	10/16/15 12:00	10/17/15 02:24	108-10-1	
Methyl-tert-butyl ether	<0.63	ug/kg	3.1	0.63	1	10/16/15 12:00	10/17/15 02:24	1634-04-4	
Styrene	<0.48	ug/kg	3.1	0.48	1	10/16/15 12:00	10/17/15 02:24	100-42-5	
1,1,1,2-Tetrachloroethane	<1.3	ug/kg	3.1	1.3	1	10/16/15 12:00	10/17/15 02:24	79-34-5	
Tetrachloroethene	<0.99	ug/kg	3.1	0.99	1	10/16/15 12:00	10/17/15 02:24	127-18-4	
Toluene	<0.94	ug/kg	3.1	0.94	1	10/16/15 12:00	10/17/15 02:24	108-88-3	
1,1,1-Trichloroethane	<0.97	ug/kg	3.1	0.97	1	10/16/15 12:00	10/17/15 02:24	71-55-6	
1,1,2-Trichloroethane	<1.2	ug/kg	3.1	1.2	1	10/16/15 12:00	10/17/15 02:24	79-00-5	
Trichloroethene	<1.2	ug/kg	3.1	1.2	1	10/16/15 12:00	10/17/15 02:24	79-01-6	
Vinyl chloride	<0.34	ug/kg	3.1	0.34	1	10/16/15 12:00	10/17/15 02:24	75-01-4	
Xylene (Total)	<2.8	ug/kg	9.4	2.8	1	10/16/15 12:00	10/17/15 02:24	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	100	%	70-130		1	10/16/15 12:00	10/17/15 02:24	1868-53-7	
Toluene-d8 (S)	100	%	67-138		1	10/16/15 12:00	10/17/15 02:24	2037-26-5	
4-Bromofluorobenzene (S)	89	%	68-130		1	10/16/15 12:00	10/17/15 02:24	460-00-4	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL2-16 (0-5)-101315 **Lab ID: 40122822023** Collected: 10/13/15 11:15 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	5.1	%	0.10	0.10	1		10/14/15 19:35		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	8.41	Std. Units	0.100	0.0100	1		10/15/15 19:15		H6

Revised 11/05/15 16:39

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL2-16 (5-9)-101315 Lab ID: 40122822024 Collected: 10/13/15 11:20 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.50	mg/kg	1.0	0.50	1	10/16/15 11:38	10/19/15 08:19	7440-36-0	
Arsenic	6.3	mg/kg	1.0	0.50	1	10/16/15 11:38	10/19/15 08:19	7440-38-2	
Barium	26.9	mg/kg	1.0	0.50	1	10/16/15 11:38	10/19/15 08:19	7440-39-3	
Beryllium	0.31J	mg/kg	0.50	0.25	1	10/16/15 11:38	10/19/15 08:19	7440-41-7	
Cadmium	<0.25	mg/kg	0.50	0.25	1	10/16/15 11:38	10/19/15 08:19	7440-43-9	
Calcium	115000	mg/kg	4990	2490	100	10/16/15 11:38	10/19/15 09:07	7440-70-2	
Chromium	10.9	mg/kg	1.0	0.50	1	10/16/15 11:38	10/19/15 08:19	7440-47-3	
Cobalt	5.0	mg/kg	1.0	0.50	1	10/16/15 11:38	10/19/15 08:19	7440-48-4	
Copper	12.3	mg/kg	1.0	0.50	1	10/16/15 11:38	10/19/15 08:19	7440-50-8	
Iron	12600	mg/kg	49.9	24.9	1	10/16/15 11:38	10/19/15 08:19	7439-89-6	
Lead	3.4	mg/kg	1.0	0.50	1	10/16/15 11:38	10/19/15 08:19	7439-92-1	
Magnesium	68400	mg/kg	4990	2490	100	10/16/15 11:38	10/19/15 09:07	7439-95-4	
Manganese	399	mg/kg	1.0	0.50	1	10/16/15 11:38	10/19/15 08:19	7439-96-5	
Nickel	12.1	mg/kg	1.0	0.50	1	10/16/15 11:38	10/19/15 08:19	7440-02-0	
Potassium	1710	mg/kg	49.9	24.9	1	10/16/15 11:38	10/19/15 08:19	7440-09-7	
Selenium	<0.50	mg/kg	1.0	0.50	1	10/16/15 11:38	10/19/15 08:19	7782-49-2	
Silver	<0.25	mg/kg	0.50	0.25	1	10/16/15 11:38	10/19/15 08:19	7440-22-4	
Sodium	520	mg/kg	49.9	24.9	1	10/16/15 11:38	10/19/15 08:19	7440-23-5	
Thallium	1.7	mg/kg	1.0	0.50	1	10/16/15 11:38	10/19/15 08:19	7440-28-0	
Vanadium	16.1	mg/kg	1.0	0.50	1	10/16/15 11:38	10/19/15 08:19	7440-62-2	
Zinc	22.4	mg/kg	1.0	0.50	1	10/16/15 11:38	10/19/15 08:19	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Arsenic	<0.0029	mg/L	0.010	0.0029	1	10/21/15 06:57	10/25/15 11:49	7440-38-2	
Barium	0.0089J	mg/L	0.50	0.0033	1	10/21/15 06:57	10/25/15 11:49	7440-39-3	
Beryllium	<0.00031	mg/L	0.0040	0.00031	1	10/21/15 06:57	10/25/15 11:49	7440-41-7	
Cadmium	<0.00021	mg/L	0.0050	0.00021	1	10/21/15 06:57	10/25/15 11:49	7440-43-9	
Chromium	<0.0025	mg/L	0.010	0.0025	1	10/21/15 06:57	10/25/15 11:49	7440-47-3	
Cobalt	<0.00053	mg/L	0.010	0.00053	1	10/21/15 06:57	10/25/15 11:49	7440-48-4	
Copper	<0.0040	mg/L	0.010	0.0040	1	10/21/15 06:57	10/25/15 11:49	7440-50-8	
Iron	0.064J	mg/L	0.10	0.016	1	10/21/15 06:57	10/25/15 11:49	7439-89-6	
Lead	<0.0029	mg/L	0.010	0.0029	1	10/21/15 06:57	10/25/15 11:49	7439-92-1	
Manganese	0.0012J	mg/L	0.010	0.0010	1	10/21/15 06:57	10/25/15 11:49	7439-96-5	
Nickel	<0.00074	mg/L	0.010	0.00074	1	10/21/15 06:57	10/25/15 11:49	7440-02-0	
Selenium	0.0044J	mg/L	0.010	0.0033	1	10/21/15 06:57	10/25/15 11:49	7782-49-2	
Silver	<0.0033	mg/L	0.010	0.0033	1	10/21/15 06:57	10/25/15 11:49	7440-22-4	
Zinc	<0.0030	mg/L	0.020	0.0030	1	10/21/15 06:57	10/25/15 11:49	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/15/15 15:40

Arsenic	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 11:08	7440-38-2	
Barium	<0.25	mg/L	0.50	0.25	1	10/16/15 15:49	10/27/15 11:08	7440-39-3	
Beryllium	<0.0020	mg/L	0.0040	0.0020	1	10/16/15 15:49	10/27/15 11:08	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/16/15 15:49	10/27/15 11:08	7440-43-9	
Chromium	<0.0052	mg/L	0.010	0.0052	1	10/16/15 15:49	10/27/15 11:08	7440-47-3	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL2-16 (5-9)-101315 Lab ID: 40122822024 Collected: 10/13/15 11:20 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/15/15 15:40									
Cobalt	0.034	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 11:08	7440-48-4	
Copper	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 11:08	7440-50-8	
Iron	<0.050	mg/L	0.10	0.050	1	10/16/15 15:49	10/27/15 11:08	7439-89-6	
Lead	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 11:08	7439-92-1	
Manganese	4.4	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 11:08	7439-96-5	
Nickel	0.044	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 11:08	7440-02-0	
Selenium	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 11:08	7782-49-2	
Silver	<0.0050	mg/L	0.010	0.0050	1	10/16/15 15:49	10/27/15 11:08	7440-22-4	
Zinc	0.012J	mg/L	0.020	0.010	1	10/16/15 15:49	10/27/15 11:08	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.33	ug/L	0.67	0.33	1	10/20/15 19:24	10/21/15 11:50	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/15/15 15:40									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/20/15 19:27	10/21/15 12:45	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.0066J	mg/kg	0.21	0.0042	1	10/16/15 20:04	10/16/15 22:38	7439-97-6	CU
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<61.7	ug/kg	206	61.7	1	10/16/15 12:33	10/19/15 18:15	83-32-9	
Acenaphthylene	<62.1	ug/kg	207	62.1	1	10/16/15 12:33	10/19/15 18:15	208-96-8	
Anthracene	<27.8	ug/kg	92.7	27.8	1	10/16/15 12:33	10/19/15 18:15	120-12-7	
Benzo(a)anthracene	<26.9	ug/kg	89.8	26.9	1	10/16/15 12:33	10/19/15 18:15	56-55-3	
Benzo(a)pyrene	<26.2	ug/kg	87.3	26.2	1	10/16/15 12:33	10/19/15 18:15	50-32-8	
Benzo(b)fluoranthene	<29.9	ug/kg	99.6	29.9	1	10/16/15 12:33	10/19/15 18:15	205-99-2	
Benzo(g,h,i)perylene	<45.5	ug/kg	152	45.5	1	10/16/15 12:33	10/19/15 18:15	191-24-2	
Benzo(k)fluoranthene	<41.7	ug/kg	139	41.7	1	10/16/15 12:33	10/19/15 18:15	207-08-9	
4-Bromophenylphenyl ether	<36.4	ug/kg	121	36.4	1	10/16/15 12:33	10/19/15 18:15	101-55-3	
Butylbenzylphthalate	<27.9	ug/kg	93.0	27.9	1	10/16/15 12:33	10/19/15 18:15	85-68-7	
Carbazole	<27.2	ug/kg	90.8	27.2	1	10/16/15 12:33	10/19/15 18:15	86-74-8	
4-Chloro-3-methylphenol	<54.1	ug/kg	180	54.1	1	10/16/15 12:33	10/19/15 18:15	59-50-7	
4-Chloroaniline	<28.6	ug/kg	95.3	28.6	1	10/16/15 12:33	10/19/15 18:15	106-47-8	
bis(2-Chloroethoxy)methane	<46.9	ug/kg	156	46.9	1	10/16/15 12:33	10/19/15 18:15	111-91-1	
bis(2-Chloroethyl) ether	<54.3	ug/kg	181	54.3	1	10/16/15 12:33	10/19/15 18:15	111-44-4	
2-Chloronaphthalene	<22.3	ug/kg	74.5	22.3	1	10/16/15 12:33	10/19/15 18:15	91-58-7	
2-Chlorophenol	<43.4	ug/kg	145	43.4	1	10/16/15 12:33	10/19/15 18:15	95-57-8	
4-Chlorophenylphenyl ether	<32.4	ug/kg	108	32.4	1	10/16/15 12:33	10/19/15 18:15	7005-72-3	
Chrysene	<26.0	ug/kg	86.7	26.0	1	10/16/15 12:33	10/19/15 18:15	218-01-9	
Dibenz(a,h)anthracene	<47.3	ug/kg	158	47.3	1	10/16/15 12:33	10/19/15 18:15	53-70-3	
Dibenzofuran	<21.1	ug/kg	70.2	21.1	1	10/16/15 12:33	10/19/15 18:15	132-64-9	
1,2-Dichlorobenzene	<54.7	ug/kg	182	54.7	1	10/16/15 12:33	10/19/15 18:15	95-50-1	
1,3-Dichlorobenzene	<24.1	ug/kg	80.3	24.1	1	10/16/15 12:33	10/19/15 18:15	541-73-1	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL2-16 (5-9)-101315 **Lab ID: 4012282024** Collected: 10/13/15 11:20 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,4-Dichlorobenzene	<24.2	ug/kg	80.8	24.2	1	10/16/15 12:33	10/19/15 18:15	106-46-7	
3,3'-Dichlorobenzidine	<47.2	ug/kg	157	47.2	1	10/16/15 12:33	10/19/15 18:15	91-94-1	
2,4-Dichlorophenol	<46.5	ug/kg	155	46.5	1	10/16/15 12:33	10/19/15 18:15	120-83-2	
Diethylphthalate	<28.8	ug/kg	96.2	28.8	1	10/16/15 12:33	10/19/15 18:15	84-66-2	
2,4-Dimethylphenol	<34.4	ug/kg	115	34.4	1	10/16/15 12:33	10/19/15 18:15	105-67-9	
Dimethylphthalate	<22.6	ug/kg	75.4	22.6	1	10/16/15 12:33	10/19/15 18:15	131-11-3	
Di-n-butylphthalate	<26.0	ug/kg	86.7	26.0	1	10/16/15 12:33	10/19/15 18:15	84-74-2	
4,6-Dinitro-2-methylphenol	<53.6	ug/kg	179	53.6	1	10/16/15 12:33	10/19/15 18:15	534-52-1	
2,4-Dinitrophenol	<53.0	ug/kg	177	53.0	1	10/16/15 12:33	10/19/15 18:15	51-28-5	
2,4-Dinitrotoluene	<24.9	ug/kg	82.9	24.9	1	10/16/15 12:33	10/19/15 18:15	121-14-2	
2,6-Dinitrotoluene	<33.0	ug/kg	110	33.0	1	10/16/15 12:33	10/19/15 18:15	606-20-2	
Di-n-octylphthalate	<39.1	ug/kg	130	39.1	1	10/16/15 12:33	10/19/15 18:15	117-84-0	
bis(2-Ethylhexyl)phthalate	<28.9	ug/kg	96.4	28.9	1	10/16/15 12:33	10/19/15 18:15	117-81-7	
Fluoranthene	<24.6	ug/kg	82.1	24.6	1	10/16/15 12:33	10/19/15 18:15	206-44-0	
Fluorene	<20.3	ug/kg	67.8	20.3	1	10/16/15 12:33	10/19/15 18:15	86-73-7	
Hexachloro-1,3-butadiene	<44.3	ug/kg	148	44.3	1	10/16/15 12:33	10/19/15 18:15	87-68-3	
Hexachlorobenzene	<29.3	ug/kg	97.5	29.3	1	10/16/15 12:33	10/19/15 18:15	118-74-1	
Hexachlorocyclopentadiene	<41.2	ug/kg	137	41.2	1	10/16/15 12:33	10/19/15 18:15	77-47-4	
Hexachloroethane	<27.8	ug/kg	92.8	27.8	1	10/16/15 12:33	10/19/15 18:15	67-72-1	
Indeno(1,2,3-cd)pyrene	<37.6	ug/kg	125	37.6	1	10/16/15 12:33	10/19/15 18:15	193-39-5	
Isophorone	<26.7	ug/kg	89.1	26.7	1	10/16/15 12:33	10/19/15 18:15	78-59-1	
2-Methylnaphthalene	<45.2	ug/kg	151	45.2	1	10/16/15 12:33	10/19/15 18:15	91-57-6	
2-Methylphenol(o-Cresol)	<31.6	ug/kg	105	31.6	1	10/16/15 12:33	10/19/15 18:15	95-48-7	
3&4-Methylphenol(m&p Cresol)	<31.9	ug/kg	106	31.9	1	10/16/15 12:33	10/19/15 18:15		
Naphthalene	<60.8	ug/kg	203	60.8	1	10/16/15 12:33	10/19/15 18:15	91-20-3	
2-Nitroaniline	<49.6	ug/kg	165	49.6	1	10/16/15 12:33	10/19/15 18:15	88-74-4	
3-Nitroaniline	<29.6	ug/kg	98.6	29.6	1	10/16/15 12:33	10/19/15 18:15	99-09-2	
4-Nitroaniline	<72.2	ug/kg	241	72.2	1	10/16/15 12:33	10/19/15 18:15	100-01-6	
Nitrobenzene	<35.3	ug/kg	118	35.3	1	10/16/15 12:33	10/19/15 18:15	98-95-3	
2-Nitrophenol	<54.9	ug/kg	183	54.9	1	10/16/15 12:33	10/19/15 18:15	88-75-5	
4-Nitrophenol	<43.8	ug/kg	146	43.8	1	10/16/15 12:33	10/19/15 18:15	100-02-7	
N-Nitroso-di-n-propylamine	<27.6	ug/kg	92.0	27.6	1	10/16/15 12:33	10/19/15 18:15	621-64-7	
N-Nitrosodiphenylamine	<236	ug/kg	787	236	1	10/16/15 12:33	10/19/15 18:15	86-30-6	
2,2'-Oxybis(1-chloropropane)	<44.9	ug/kg	150	44.9	1	10/16/15 12:33	10/19/15 18:15	108-60-1	
Pentachlorophenol	<38.3	ug/kg	128	38.3	1	10/16/15 12:33	10/19/15 18:15	87-86-5	
Phenanthrene	<22.3	ug/kg	74.4	22.3	1	10/16/15 12:33	10/19/15 18:15	85-01-8	
Phenol	<41.3	ug/kg	138	41.3	1	10/16/15 12:33	10/19/15 18:15	108-95-2	
Pyrene	<38.6	ug/kg	129	38.6	1	10/16/15 12:33	10/19/15 18:15	129-00-0	
1,2,4-Trichlorobenzene	<19.7	ug/kg	65.6	19.7	1	10/16/15 12:33	10/19/15 18:15	120-82-1	
2,4,5-Trichlorophenol	<30.7	ug/kg	102	30.7	1	10/16/15 12:33	10/19/15 18:15	95-95-4	
2,4,6-Trichlorophenol	<26.5	ug/kg	88.4	26.5	1	10/16/15 12:33	10/19/15 18:15	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	80	%	45-130		1	10/16/15 12:33	10/19/15 18:15	4165-60-0	
2-Fluorobiphenyl (S)	78	%	51-130		1	10/16/15 12:33	10/19/15 18:15	321-60-8	
Terphenyl-d14 (S)	79	%	37-134		1	10/16/15 12:33	10/19/15 18:15	1718-51-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL2-16 (5-9)-101315 Lab ID: 40122822024 Collected: 10/13/15 11:20 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Phenol-d6 (S)	68	%	36-130		1	10/16/15 12:33	10/19/15 18:15	13127-88-3	
2-Fluorophenol (S)	70	%	37-130		1	10/16/15 12:33	10/19/15 18:15	367-12-4	
2,4,6-Tribromophenol (S)	77	%	30-130		1	10/16/15 12:33	10/19/15 18:15	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.4	ug/kg	14.2	4.4	1	10/16/15 12:00	10/16/15 09:03	67-64-1	2q
Benzene	<1.1	ug/kg	3.6	1.1	1	10/16/15 12:00	10/16/15 09:03	71-43-2	
Bromodichloromethane	<0.78	ug/kg	3.6	0.78	1	10/16/15 12:00	10/16/15 09:03	75-27-4	
Bromoform	<0.60	ug/kg	3.6	0.60	1	10/16/15 12:00	10/16/15 09:03	75-25-2	
Bromomethane	<1.1	ug/kg	7.1	1.1	1	10/16/15 12:00	10/16/15 09:03	74-83-9	
2-Butanone (MEK)	<2.0	ug/kg	14.2	2.0	1	10/16/15 12:00	10/16/15 09:03	78-93-3	
Carbon disulfide	<0.92	ug/kg	3.6	0.92	1	10/16/15 12:00	10/16/15 09:03	75-15-0	
Carbon tetrachloride	<1.1	ug/kg	3.6	1.1	1	10/16/15 12:00	10/16/15 09:03	56-23-5	
Chlorobenzene	<1.1	ug/kg	3.6	1.1	1	10/16/15 12:00	10/16/15 09:03	108-90-7	
Chloroethane	<1.4	ug/kg	3.6	1.4	1	10/16/15 12:00	10/16/15 09:03	75-00-3	
Chloroform	<0.67	ug/kg	3.6	0.67	1	10/16/15 12:00	10/16/15 09:03	67-66-3	
Chloromethane	<0.40	ug/kg	3.6	0.40	1	10/16/15 12:00	10/16/15 09:03	74-87-3	
Dibromochloromethane	<1.2	ug/kg	3.6	1.2	1	10/16/15 12:00	10/16/15 09:03	124-48-1	
1,1-Dichloroethane	<1.7	ug/kg	3.6	1.7	1	10/16/15 12:00	10/16/15 09:03	75-34-3	
1,2-Dichloroethane	<0.70	ug/kg	3.6	0.70	1	10/16/15 12:00	10/16/15 09:03	107-06-2	
1,1-Dichloroethene	<1.6	ug/kg	3.6	1.6	1	10/16/15 12:00	10/16/15 09:03	75-35-4	
cis-1,2-Dichloroethene	<0.94	ug/kg	3.6	0.94	1	10/16/15 12:00	10/16/15 09:03	156-59-2	
trans-1,2-Dichloroethene	<0.88	ug/kg	3.6	0.88	1	10/16/15 12:00	10/16/15 09:03	156-60-5	
1,2-Dichloropropane	<0.90	ug/kg	3.6	0.90	1	10/16/15 12:00	10/16/15 09:03	78-87-5	
cis-1,3-Dichloropropene	<0.47	ug/kg	3.6	0.47	1	10/16/15 12:00	10/16/15 09:03	10061-01-5	
trans-1,3-Dichloropropene	<0.66	ug/kg	3.6	0.66	1	10/16/15 12:00	10/16/15 09:03	10061-02-6	
Ethylbenzene	<1.0	ug/kg	3.6	1.0	1	10/16/15 12:00	10/16/15 09:03	100-41-4	
2-Hexanone	<1.1	ug/kg	3.6	1.1	1	10/16/15 12:00	10/16/15 09:03	591-78-6	
Methylene Chloride	<1.3	ug/kg	3.6	1.3	1	10/16/15 12:00	10/16/15 09:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.87	ug/kg	3.6	0.87	1	10/16/15 12:00	10/16/15 09:03	108-10-1	
Methyl-tert-butyl ether	<0.71	ug/kg	3.6	0.71	1	10/16/15 12:00	10/16/15 09:03	1634-04-4	
Styrene	<0.54	ug/kg	3.6	0.54	1	10/16/15 12:00	10/16/15 09:03	100-42-5	
1,1,2,2-Tetrachloroethane	<1.5	ug/kg	3.6	1.5	1	10/16/15 12:00	10/16/15 09:03	79-34-5	
Tetrachloroethene	<1.1	ug/kg	3.6	1.1	1	10/16/15 12:00	10/16/15 09:03	127-18-4	
Toluene	<1.1	ug/kg	3.6	1.1	1	10/16/15 12:00	10/16/15 09:03	108-88-3	
1,1,1-Trichloroethane	<1.1	ug/kg	3.6	1.1	1	10/16/15 12:00	10/16/15 09:03	71-55-6	
1,1,2-Trichloroethane	<1.4	ug/kg	3.6	1.4	1	10/16/15 12:00	10/16/15 09:03	79-00-5	
Trichloroethene	<1.4	ug/kg	3.6	1.4	1	10/16/15 12:00	10/16/15 09:03	79-01-6	
Vinyl chloride	<0.39	ug/kg	3.6	0.39	1	10/16/15 12:00	10/16/15 09:03	75-01-4	
Xylene (Total)	<3.2	ug/kg	10.7	3.2	1	10/16/15 12:00	10/16/15 09:03	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	99	%	70-130		1	10/16/15 12:00	10/16/15 09:03	1868-53-7	
Toluene-d8 (S)	103	%	67-138		1	10/16/15 12:00	10/16/15 09:03	2037-26-5	
4-Bromofluorobenzene (S)	94	%	68-130		1	10/16/15 12:00	10/16/15 09:03	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122822

Sample: AL2-16 (5-9)-101315 **Lab ID: 40122822024** Collected: 10/13/15 11:20 Received: 10/14/15 09:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	4.1	%	0.10	0.10	1		10/14/15 19:35		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	8.56	Std. Units	0.100	0.0100	1		10/15/15 19:15		H6

Revised 11/05/15 16:39

REPORT OF LABORATORY ANALYSIS

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www.faceanals.com

CHAIN OF CUSTODY

UPPER MIDWEST REGION
Phone: 612-607-1700
WI: 920-469-2436

Page 1 of 1
41002822
Page 874 of 378

Company Name: **EDI**
 Branch/Location:
 Project Contact: **Patricia Collins**
 Phone: **312-345-1900**
 Project Number: **10295.0201**
 Project Name: **FAI 55**
 Project State:
 Sampled By (Print): **Cia Ramirez**
 Sampled By (Sign): *[Signature]*
 PO #:
 Regulatory Program:

Data Package Options
 EPA Level III
 EPA Level IV
 On your sample (billable)
 NOT needed on your sample
 Matrix Codes:
 A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PAGE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Analyses Requested													
		DATE	TIME		V / N	Pick Letter												
001	SR-1(6-2)-101315	10/1/15	0850	61	X													
002	SR-2(6-2)-101315		0905		X													
003	SR-2(6-2)-101315		0910		X													
004	SR-3(6-2)-101315		0930		X													
005	SR-4(6-2)-101315		0940		X													
006	SR-5(6-2)-101315		1000		X													
007	SR-12(6-4)-101315		1045		X													
008	SR-13(6-3)-101315		1105		X													
009	VA-1(6-3)-101315		1125		X													
010	VA-2(6-3)-101315		1140		X													
011	PV-1(6-4)-101315		1240		X													
012	PV-1(6-4)-101315		1245		X													
013	PV-2(6-4)-101315		1325		X													

Filtered? (YES/NO)
 Preservation Codes:
 A=None, B-HCL, C-H2SO4, D-HNO3, E-DI Water, F=Methanol, G=NaOH
 H=Sodium Bisulfate Solution, I=Sodium Thiosulfate, J=Other

Relinquished By: *[Signature]* Date/Time: 10/13/15 1541
 Received By: *[Signature]* Date/Time: 10/13/15 1344
 Relinquished By: *[Signature]* Date/Time: 10/13/15 1730
 Received By: *[Signature]* Date/Time: 10/13/15
 Relinquished By: *[Signature]* Date/Time: 10/14/15 1000
 Received By: *[Signature]* Date/Time: 10/14/15 1000

Quote #: _____
 Mail To Contact: _____
 Mail To Company: _____
 Mail To Address: _____
 Invoice To Contact: _____
 Invoice To Company: _____
 Invoice To Address: _____
 Invoice To Phone: _____
 CLIENT COMMENTS: 3-40mg EE 3-40mg A
 LAB COMMENTS (Lab Use Only): _____
 Profile #: _____
 Receipt Temp = 51.04 °C
 Sample Receipt pH: _____
 Cooler Custody Seal: Present / Not Present
 Intact / Not Intact

(Please Print Clearly)

Company Name: **EDT**
 Branch/Location: **Patricia/Colin**
 Project Contact: **Patricia/Colin**
 Phone: **0295.020**
 Project Number: **IDT 035-056**
 Project Name: **Illinois**
 Project State: **Illinois**
 Sampled By (Print): **Margaret Deveny-Skl**
 Sampled By (Sign): *Margaret Deveny-Skl*
 PO #: **Regulatory Program:**



CHAIN OF CUSTODY

UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

Filtered? (YES/NO)
 Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Y/N	Pick Letter	Analyses Requested
N	EF	VOCS
N	A	SUOCS
N	A	Total Metals
N	A	TCLP Metals
N	A	SPLP Metals
N	A	PH

DATE	TIME	MATRIX
10-13-15	0845	S
10-13-15	0845	S
10-13-15	0915	S
10-13-15	0920	S
10-13-15	0935	S
10-13-15	0950	S
10-13-15	0955	S
10-13-15	1018	S
10-13-15	1024	S
10-13-15	1115	S
10-13-15	1120	S
10-13-15	1140	S
10-13-15	1140	S

Matrix Codes
 A=Air B=Biota C=Charcoal D=Drinking Water
 E=Oil F=Ground Water G=Surface Water
 H=Sludge I=Soil J=Waste Water K=Water
 L=Water M=Water N=Water O=Water
 P=Water Q=Water R=Water S=Water
 T=Water U=Water V=Water W=Water
 X=Water Y=Water Z=Water

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Analyses Requested	Y/N	Pick Letter
014	SR-11(0-4)-101315	10-13-15	0845	S	VOCS	N	EF
015	SR-11(0-4)-101315D	10-13-15	0845	S	SUOCS	N	A
016	SR-10(0-4)-101315	10-13-15	0915	S	Total Metals	N	A
017	SR-9(0-4)-101315	10-13-15	0920	S	TCLP Metals	N	A
018	SR-8(0-5)-101315	10-13-15	0935	S	SPLP Metals	N	A
019	SR-7(0-5)-101315	10-13-15	0950	S	PH	N	A
020	SR-7(5-9)-101315	10-13-15	0955	S			
021	SR-6(0-7)-101315	10-13-15	1018	S			
022	SR-6(7-14)-101315	10-13-15	1024	S			
023	AL2-16(0-5)-101315	10-13-15	1115	S			
024	AL2-16(5-9)-101315	10-13-15	1120	S			
025	AL1-1(0-5)-101315	10-13-15	1140	S			
026	AL1-1(0-5)-101315D	10-13-15	1140	S			

Transmit Prelim Rush Results by (complete what you want):
 Date Needed: **10-13-15**

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)

Requisitioned By: *[Signature]* Date/Time: **10-13-15 1540**
 Received By: *[Signature]* Date/Time: **10-13-15 1540**

Requisitioned By: *[Signature]* Date/Time: **10-13-15 1730**
 Received By: *[Signature]* Date/Time: **10-13-15 1730**

Requisitioned By: *[Signature]* Date/Time: **10-13-15 1730**
 Received By: *[Signature]* Date/Time: **10-13-15 1730**

Quote #: **3-40MVEF**
 Mail To Contact: **3-402282**
 Mail To Company:
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS: **3-40MVEF**
 LAB COMMENTS: **3-402282**

PACE Project No. **510,4**
 Receipt Temp **510,4** °C
 Sample Receipt pH **OK / Adjusted**
 Cooler/Custody Seal **Present / Not Present**
 Intact / Not Intact

(Please Print Clearly)

Company Name: EDI
Branch/Location:
Project Contact: Patricia/Colin
Phone:
Project Number: 0295.020
Project Name: DOT 035 USE ET-SS
Project State: Illinois
Sampled By (Print): Margaret Dehew-Skull
Sampled By (Sign): *[Signature]*
PO #: *[Signature]*

CHAIN OF CUSTODY



UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfite Solution I=Sodium Thiosulfate J=Other
Preservation Codes

Regulatory Program:
Matrix Codes
A = Air B = Biot B = Biota
C = Charcoal O = Oil S = Soil
SI = Sludge
WV = Water DW = Drinking Water
GW = Ground Water SW = Surface Water
WW = Waste Water WP = Wipe

Y/N	Pick Label
N	EF
N	A
N	D
N	D
N	D
N	A

Analyses Requested

X	VOCs
X	SUOCs
X	Total Metals
X	TCMP Metals
X	SPUP Metals
X	pH

Quote #: _____

Mail To Contact: _____

Mail To Company: _____

Mail To Address: _____

Invoice To Contact: _____

Invoice To Company: _____

Invoice To Address: _____

Invoice To Phone: _____

CLIENT COMMENTS: 3-40ML EFF 3-4022g
LAB COMMENTS (Lab Use Only): _____

Profile #: _____

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Y/N	Pick Label
027	ALI-4(0-5)-101315	10-13-15	1325	S	X	
028	ALI-4(5-9)-101315	10-13-15	1330	S	X	
029	ALI-5(0-5)-101315	10-13-15	1345	S	X	
030	ALI-5(5-9)-101315	10-13-15	1350	S	X	
031	ALI-6(0-5)-101315	10-13-15	1424	S	X	
032	ALI-6(0-5)-101315	10-13-15	1430	S	X	
033	ALI-6(5-9)-101315	10-13-15	1439	S	X	
034	RC-1(0-7)-101315	10-13-15	1447	S	X	
035	RC-2(0-5)-101315	10-13-15	1505	S	X	
036	RC-2(5-9)-101315	10-13-15	1510	S	X	
037	RC-3(0-7)-101315	10-13-15	1520	S	X	

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed: _____

Relinquished By: *[Signature]* Date/Time: 10-13-2015 1530
Relinquished By: *[Signature]* Date/Time: 10-13-2015 1730
Relinquished By: *[Signature]* Date/Time: 10-13-2015 1800

Received By: *[Signature]* Date/Time: 10-13-2015 1940
Received By: *[Signature]* Date/Time: 10-13-2015 1940
Received By: *[Signature]* Date/Time: 10-13-2015 1940

Receipt Temp = 51.04 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present Intact / Not Intact

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Relinquished By: _____ Date/Time: _____
Relinquished By: _____ Date/Time: _____

Received By: _____ Date/Time: _____
Received By: _____ Date/Time: _____

Special pricing and release of liability

(Please Print Clearly)



CHAIN OF CUSTODY

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Filtered? (YES/NO)
PRESERVATION (CODE)*

V/I N	Pick Letter	Analyses Requested
2	EF	VOCS
2	A	SVOCs
2	A	TOTAL METALS
2	A	TRCP METALS
2	A	SPLP METALS
2	A	PH

Company Name: EDI
 Branch/Location:
 Project Contact: Patricia Loin
 Phone:
 Project Number: 029 52020
 Project Name: IDOT 035-USE 01-55
 Project State: Illinois
 Sampled By (Print): Margaret Doherty-Skubic
 Sampled By (Sign): [Signature]
 PO #: [Blank]
 Regulatory Program:

Data Package Options (billable)
 EPA Level III
 EPA Level IV
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Bids DW = Drinking Water
 C = Charcoal GW = Ground Water
 D = Oil SW = Surface Water
 S = Soil WW = Waste Water
 Sl = Sludge WP = Wipe

PAGE LAB #	CLIENT FIELD ID	COLLECTION DATE	TIME	MATRIX
D38	AL-1(5-9)-101315	10-13-15	1150	S
D39	AL-2(10-5)-101315	10-13-15	1212	S
D40	AL-2(5-9)-101315	10-13-15	1218	S
D41	AL-3(6-5)-101315	10-13-15	1253	S
D42	AL-3(5-9)-101315	10-13-15	1258	S

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed:
 Transmit Prelim Rush Results by (complete what you want):
 Email #1:
 Email #2:
 Telephone:
 Fax:
 Samples on HOLD are subject to special pricing and release of liability

Relinquished By: [Signature]
 Date/Time: 10-13-2015 1640
 Relinquished By: [Signature]
 Date/Time: 10-13-15 1230
 Relinquished By: [Signature]
 Date/Time: 10-14-15 1000

Received By: [Signature]
 Date/Time: 10-14-15 1440
 Received By: [Signature]
 Date/Time: 10-13-15 1113
 Received By: [Signature]
 Date/Time: 10-14-15 1000
 Received By: [Signature]
 Date/Time: [Blank]

Quote #:
 Mail To Contact:
 Mail To Company:
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS
 3-40MVEEF 3-40299
 LAB COMMENTS (Lab Use Only)
 PROFILE #

Receipt Temp - 51.04 °C
 Sample Receipt pH
 OK / Adjusted
 Cooler/Custody Seal Present / Not Present
 Intact / Not Intact
 PACE Project No. [Blank]



Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Project #:

WO#: 40122822



40122822

Client Name: EDI

Courier: Fed Ex UPS Client Pace Other: CS LOGISTICS

Tracking #:

Custody Seal on Cooler/Box Present: X yes no Seals intact: X yes no

Custody Seal on Samples Present: yes X no Seals intact: yes no

Packing Material: Bubble Wrap X Bubble Bags None Other

Thermometer Used SPLA Type of Ice: Wet Blue Dry None X Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 5.60.4 / Corr: 5.10.4 Biological Tissue is Frozen: yes

Temp Blank Present: X yes no

Person examining contents:
Date: 10/14/15
Initials: [Signature]

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows of checklist items including Chain of Custody Present, Short Hold Time Analysis, Rush Turn Around Time Requested, Sufficient Volume, Correct Containers Used, Containers Intact, Sample Labels match COC, All containers needing preservation have been checked, Headspace in VOA Vials, Trip Blank Present, and Pace Trip Blank Lot #.

Client Notification/ Resolution:

Person Contacted: Date/Time: If checked, see attached form for additional comments

Comments/ Resolution:

040 1 of 3 vials collect time 12/12, 042 1 of 3 jars no collect date 10/14/15
025 1 of 3 jars no collect time

Project Manager Review:

[Signature]

Date: 10/14/15

November 13, 2015

Patricia Feeley, P.G.
Environmental Design International Inc.
33 West Monroe Street
Suite 1825
Chicago, IL 606035326

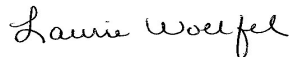
RE: Project: 0295.020 FAI 55
Pace Project No.: 40122963

Dear Patricia Feeley, P.G.:

Enclosed are the analytical results for sample(s) received by the laboratory on October 16, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Laurie Woelfel
laurie.woelfel@pacelabs.com
Project Manager

Enclosures

cc: Andrew Dorn, Environmental Design
Colin Pannier, Environmental Design



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

New Orleans Certification IDs

California Env. Lab Accreditation Program Branch:
11277CA

Florida Department of Health (NELAC): E87595

Illinois Environmental Protection Agency: 0025721

Kansas Department of Health and Environment (NELAC):
E-10266

Louisiana Dept. of Environmental Quality (NELAC/LELAP):
02006

Pennsylvania Dept. of Env Protection (NELAC): 68-04202

Texas Commission on Env. Quality (NELAC):

T104704405-09-TX

U.S. Dept. of Agriculture Foreign Soil Import: P330-10-
00119

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP Certification ID: 460263

Virginia VELAP ID: 460263

Wisconsin Certification #: 405132750

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 200074

Indiana Certification #: C-49-06

Kansas Certification #: E-10177

Kentucky UST Certification #: 0042

Kentucky WW Certification #: 98019

Louisiana Certification #: 04076

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2014-148

Texas Certification #: T104704355-15-9

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-10-00128

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 15-016-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: AL2-5 (0-5)-101515 **Lab ID: 40122963017** Collected: 10/15/15 13:30 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.58	mg/kg	2.0	0.58	1	10/21/15 12:31	10/27/15 13:29	7440-36-0	
Arsenic	5.2	mg/kg	2.0	0.65	1	10/21/15 12:31	10/27/15 13:29	7440-38-2	
Barium	78.2	mg/kg	0.51	0.12	1	10/21/15 12:31	10/27/15 13:29	7440-39-3	
Beryllium	0.46	mg/kg	0.41	0.038	1	10/21/15 12:31	10/27/15 13:29	7440-41-7	
Cadmium	0.13J	mg/kg	0.51	0.068	1	10/21/15 12:31	10/27/15 13:29	7440-43-9	
Calcium	86000	mg/kg	511	14.0	5	10/21/15 12:31	10/25/15 12:36	7440-70-2	
Chromium	28.8	mg/kg	0.51	0.20	1	10/21/15 12:31	10/27/15 13:29	7440-47-3	
Cobalt	6.6	mg/kg	0.51	0.099	1	10/21/15 12:31	10/27/15 13:29	7440-48-4	
Copper	32.7	mg/kg	1.0	0.16	1	10/21/15 12:31	10/27/15 13:29	7440-50-8	
Iron	17900	mg/kg	10.2	1.7	1	10/21/15 12:31	10/27/15 13:29	7439-89-6	
Lead	95.9	mg/kg	1.0	0.44	1	10/21/15 12:31	10/27/15 13:29	7439-92-1	
Magnesium	46800	mg/kg	511	27.7	5	10/21/15 12:31	10/25/15 12:36	7439-95-4	
Manganese	480	mg/kg	0.51	0.052	1	10/21/15 12:31	10/27/15 13:29	7439-96-5	
Nickel	17.1	mg/kg	1.0	0.13	1	10/21/15 12:31	10/27/15 13:29	7440-02-0	
Potassium	1970	mg/kg	102	8.4	1	10/21/15 12:31	10/27/15 13:29	7440-09-7	
Selenium	<0.79	mg/kg	2.0	0.79	1	10/21/15 12:31	10/27/15 13:29	7782-49-2	
Silver	<0.28	mg/kg	1.0	0.28	1	10/21/15 12:31	10/27/15 13:29	7440-22-4	
Sodium	1450	mg/kg	102	3.9	1	10/21/15 12:31	10/27/15 13:29	7440-23-5	
Thallium	<0.84	mg/kg	4.1	0.84	1	10/21/15 12:31	10/27/15 13:29	7440-28-0	
Vanadium	24.5	mg/kg	1.0	0.21	1	10/21/15 12:31	10/27/15 13:29	7440-62-2	
Zinc	123	mg/kg	4.1	0.39	1	10/21/15 12:31	10/27/15 13:29	7440-66-6	

6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	0.014	mg/L	0.010	0.0029	1	10/28/15 06:51	10/29/15 03:50	7440-38-2	
Barium	0.31J	mg/L	0.50	0.0033	1	10/28/15 06:51	10/29/15 03:50	7440-39-3	
Beryllium	0.0017J	mg/L	0.0040	0.00031	1	10/28/15 06:51	10/29/15 03:50	7440-41-7	
Cadmium	0.00090J	mg/L	0.0050	0.00021	1	10/28/15 06:51	10/29/15 03:50	7440-43-9	
Chromium	0.049	mg/L	0.010	0.0025	1	10/28/15 06:51	10/29/15 03:50	7440-47-3	
Cobalt	0.013	mg/L	0.010	0.00053	1	10/28/15 06:51	10/29/15 03:50	7440-48-4	
Copper	0.062	mg/L	0.010	0.0040	1	10/28/15 06:51	10/29/15 03:50	7440-50-8	
Iron	37.6	mg/L	0.10	0.016	1	10/28/15 06:51	10/29/15 03:50	7439-89-6	
Lead	0.20	mg/L	0.010	0.0029	1	10/28/15 06:51	10/29/15 03:50	7439-92-1	
Manganese	0.57	mg/L	0.010	0.0010	1	10/28/15 06:51	10/29/15 03:50	7439-96-5	
Nickel	0.039	mg/L	0.010	0.00074	1	10/28/15 06:51	10/29/15 03:50	7440-02-0	
Selenium	0.0059J	mg/L	0.010	0.0033	1	10/28/15 06:51	10/29/15 03:50	7782-49-2	
Silver	<0.0033	mg/L	0.010	0.0033	1	10/28/15 06:51	10/29/15 03:50	7440-22-4	
Zinc	0.32	mg/L	0.020	0.0030	1	10/28/15 06:51	10/29/15 03:50	7440-66-6	

6010 MET ICP, TCLP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/19/15 19:25									
Arsenic	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:17	7440-38-2	
Barium	0.42J	mg/L	0.50	0.25	1	10/20/15 16:20	10/29/15 04:17	7440-39-3	
Beryllium	<0.0020	mg/L	0.0040	0.0020	1	10/20/15 16:20	10/29/15 04:17	7440-41-7	
Cadmium	0.0030J	mg/L	0.0050	0.0025	1	10/20/15 16:20	10/29/15 04:17	7440-43-9	
Chromium	<0.0052	mg/L	0.010	0.0052	1	10/20/15 16:20	10/29/15 04:17	7440-47-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: AL2-5 (0-5)-101515 **Lab ID:** 40122963017 Collected: 10/15/15 13:30 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/19/15 19:25									
Cobalt	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:17	7440-48-4	
Copper	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:17	7440-50-8	
Iron	0.054J	mg/L	0.10	0.050	1	10/20/15 16:20	10/29/15 04:17	7439-89-6	
Lead	0.0052J	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:17	7439-92-1	
Manganese	0.80	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:17	7439-96-5	
Nickel	0.0089J	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:17	7440-02-0	
Selenium	0.0069J	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:17	7782-49-2	
Silver	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:17	7440-22-4	
Zinc	0.25	mg/L	0.020	0.010	1	10/20/15 16:20	10/29/15 04:17	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/21/15 23:37	10/22/15 09:40	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/19/15 19:25									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/21/15 23:39	10/22/15 10:31	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.028	mg/kg	0.011	0.0030	1	10/26/15 10:45	10/26/15 18:01	7439-97-6	B
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<67.1	ug/kg	224	67.1	1	10/21/15 12:17	10/22/15 16:43	83-32-9	
Acenaphthylene	<67.5	ug/kg	225	67.5	1	10/21/15 12:17	10/22/15 16:43	208-96-8	
Anthracene	50.0J	ug/kg	101	30.2	1	10/21/15 12:17	10/22/15 16:43	120-12-7	
Benzo(a)anthracene	307	ug/kg	97.6	29.3	1	10/21/15 12:17	10/22/15 16:43	56-55-3	
Benzo(a)pyrene	334	ug/kg	94.8	28.5	1	10/21/15 12:17	10/22/15 16:43	50-32-8	
Benzo(b)fluoranthene	378	ug/kg	108	32.5	1	10/21/15 12:17	10/22/15 16:43	205-99-2	
Benzo(g,h,i)perylene	282	ug/kg	165	49.5	1	10/21/15 12:17	10/22/15 16:43	191-24-2	
Benzo(k)fluoranthene	265	ug/kg	151	45.3	1	10/21/15 12:17	10/22/15 16:43	207-08-9	
4-Bromophenylphenyl ether	<39.6	ug/kg	132	39.6	1	10/21/15 12:17	10/22/15 16:43	101-55-3	
Butylbenzylphthalate	97.3J	ug/kg	101	30.3	1	10/21/15 12:17	10/22/15 16:43	85-68-7	
Carbazole	<29.6	ug/kg	98.7	29.6	1	10/21/15 12:17	10/22/15 16:43	86-74-8	
4-Chloro-3-methylphenol	<58.8	ug/kg	196	58.8	1	10/21/15 12:17	10/22/15 16:43	59-50-7	
4-Chloroaniline	<31.1	ug/kg	104	31.1	1	10/21/15 12:17	10/22/15 16:43	106-47-8	
bis(2-Chloroethoxy)methane	<50.9	ug/kg	170	50.9	1	10/21/15 12:17	10/22/15 16:43	111-91-1	
bis(2-Chloroethyl) ether	<59.0	ug/kg	197	59.0	1	10/21/15 12:17	10/22/15 16:43	111-44-4	
2-Chloronaphthalene	<24.3	ug/kg	80.9	24.3	1	10/21/15 12:17	10/22/15 16:43	91-58-7	
2-Chlorophenol	<47.2	ug/kg	157	47.2	1	10/21/15 12:17	10/22/15 16:43	95-57-8	
4-Chlorophenylphenyl ether	<35.2	ug/kg	117	35.2	1	10/21/15 12:17	10/22/15 16:43	7005-72-3	
Chrysene	339	ug/kg	94.3	28.3	1	10/21/15 12:17	10/22/15 16:43	218-01-9	
Dibenz(a,h)anthracene	<51.4	ug/kg	171	51.4	1	10/21/15 12:17	10/22/15 16:43	53-70-3	
Dibenzofuran	<22.9	ug/kg	76.3	22.9	1	10/21/15 12:17	10/22/15 16:43	132-64-9	
1,2-Dichlorobenzene	<59.5	ug/kg	198	59.5	1	10/21/15 12:17	10/22/15 16:43	95-50-1	
1,3-Dichlorobenzene	<26.2	ug/kg	87.3	26.2	1	10/21/15 12:17	10/22/15 16:43	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: AL2-5 (0-5)-101515 **Lab ID:** 40122963017 Collected: 10/15/15 13:30 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,4-Dichlorobenzene	<26.3	ug/kg	87.8	26.3	1	10/21/15 12:17	10/22/15 16:43	106-46-7	
3,3'-Dichlorobenzidine	<51.3	ug/kg	171	51.3	1	10/21/15 12:17	10/22/15 16:43	91-94-1	
2,4-Dichlorophenol	<50.5	ug/kg	168	50.5	1	10/21/15 12:17	10/22/15 16:43	120-83-2	
Diethylphthalate	<31.4	ug/kg	105	31.4	1	10/21/15 12:17	10/22/15 16:43	84-66-2	
2,4-Dimethylphenol	<37.4	ug/kg	125	37.4	1	10/21/15 12:17	10/22/15 16:43	105-67-9	
Dimethylphthalate	<24.6	ug/kg	82.0	24.6	1	10/21/15 12:17	10/22/15 16:43	131-11-3	
Di-n-butylphthalate	<28.3	ug/kg	94.2	28.3	1	10/21/15 12:17	10/22/15 16:43	84-74-2	
4,6-Dinitro-2-methylphenol	<58.3	ug/kg	194	58.3	1	10/21/15 12:17	10/22/15 16:43	534-52-1	
2,4-Dinitrophenol	<57.6	ug/kg	192	57.6	1	10/21/15 12:17	10/22/15 16:43	51-28-5	
2,4-Dinitrotoluene	<27.0	ug/kg	90.1	27.0	1	10/21/15 12:17	10/22/15 16:43	121-14-2	
2,6-Dinitrotoluene	<35.9	ug/kg	120	35.9	1	10/21/15 12:17	10/22/15 16:43	606-20-2	
Di-n-octylphthalate	<42.5	ug/kg	142	42.5	1	10/21/15 12:17	10/22/15 16:43	117-84-0	
bis(2-Ethylhexyl)phthalate	53.3J	ug/kg	105	31.4	1	10/21/15 12:17	10/22/15 16:43	117-81-7	
Fluoranthene	697	ug/kg	89.2	26.8	1	10/21/15 12:17	10/22/15 16:43	206-44-0	
Fluorene	<22.1	ug/kg	73.7	22.1	1	10/21/15 12:17	10/22/15 16:43	86-73-7	
Hexachloro-1,3-butadiene	<48.2	ug/kg	161	48.2	1	10/21/15 12:17	10/22/15 16:43	87-68-3	
Hexachlorobenzene	<31.8	ug/kg	106	31.8	1	10/21/15 12:17	10/22/15 16:43	118-74-1	
Hexachlorocyclopentadiene	<44.8	ug/kg	149	44.8	1	10/21/15 12:17	10/22/15 16:43	77-47-4	
Hexachloroethane	<30.3	ug/kg	101	30.3	1	10/21/15 12:17	10/22/15 16:43	67-72-1	
Indeno(1,2,3-cd)pyrene	226	ug/kg	136	40.9	1	10/21/15 12:17	10/22/15 16:43	193-39-5	
Isophorone	<29.1	ug/kg	96.9	29.1	1	10/21/15 12:17	10/22/15 16:43	78-59-1	
2-Methylnaphthalene	<49.1	ug/kg	164	49.1	1	10/21/15 12:17	10/22/15 16:43	91-57-6	
2-Methylphenol(o-Cresol)	<34.4	ug/kg	115	34.4	1	10/21/15 12:17	10/22/15 16:43	95-48-7	
3&4-Methylphenol(m&p Cresol)	<34.7	ug/kg	116	34.7	1	10/21/15 12:17	10/22/15 16:43		
Naphthalene	<66.1	ug/kg	220	66.1	1	10/21/15 12:17	10/22/15 16:43	91-20-3	
2-Nitroaniline	<53.9	ug/kg	180	53.9	1	10/21/15 12:17	10/22/15 16:43	88-74-4	
3-Nitroaniline	<32.2	ug/kg	107	32.2	1	10/21/15 12:17	10/22/15 16:43	99-09-2	
4-Nitroaniline	<78.5	ug/kg	262	78.5	1	10/21/15 12:17	10/22/15 16:43	100-01-6	
Nitrobenzene	<38.3	ug/kg	128	38.3	1	10/21/15 12:17	10/22/15 16:43	98-95-3	
2-Nitrophenol	<59.7	ug/kg	199	59.7	1	10/21/15 12:17	10/22/15 16:43	88-75-5	
4-Nitrophenol	<47.6	ug/kg	159	47.6	1	10/21/15 12:17	10/22/15 16:43	100-02-7	
N-Nitroso-di-n-propylamine	<30.0	ug/kg	100	30.0	1	10/21/15 12:17	10/22/15 16:43	621-64-7	
N-Nitrosodiphenylamine	<257	ug/kg	855	257	1	10/21/15 12:17	10/22/15 16:43	86-30-6	
2,2'-Oxybis(1-chloropropane)	<48.8	ug/kg	163	48.8	1	10/21/15 12:17	10/22/15 16:43	108-60-1	
Pentachlorophenol	<41.6	ug/kg	139	41.6	1	10/21/15 12:17	10/22/15 16:43	87-86-5	
Phenanthrene	289	ug/kg	80.9	24.3	1	10/21/15 12:17	10/22/15 16:43	85-01-8	
Phenol	<44.9	ug/kg	150	44.9	1	10/21/15 12:17	10/22/15 16:43	108-95-2	
Pyrene	514	ug/kg	140	41.9	1	10/21/15 12:17	10/22/15 16:43	129-00-0	
1,2,4-Trichlorobenzene	<21.4	ug/kg	71.3	21.4	1	10/21/15 12:17	10/22/15 16:43	120-82-1	
2,4,5-Trichlorophenol	<33.4	ug/kg	111	33.4	1	10/21/15 12:17	10/22/15 16:43	95-95-4	
2,4,6-Trichlorophenol	<28.8	ug/kg	96.1	28.8	1	10/21/15 12:17	10/22/15 16:43	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	64	%	45-130		1	10/21/15 12:17	10/22/15 16:43	4165-60-0	
2-Fluorobiphenyl (S)	66	%	51-130		1	10/21/15 12:17	10/22/15 16:43	321-60-8	
Terphenyl-d14 (S)	64	%	37-134		1	10/21/15 12:17	10/22/15 16:43	1718-51-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: AL2-5 (0-5)-101515 **Lab ID: 40122963017** Collected: 10/15/15 13:30 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Phenol-d6 (S)	51	%	36-130		1	10/21/15 12:17	10/22/15 16:43	13127-88-3	
2-Fluorophenol (S)	45	%	37-130		1	10/21/15 12:17	10/22/15 16:43	367-12-4	
2,4,6-Tribromophenol (S)	69	%	30-130		1	10/21/15 12:17	10/22/15 16:43	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<3.9	ug/kg	12.6	3.9	1	10/20/15 12:00	10/20/15 16:37	67-64-1	2q
Benzene	<1.0	ug/kg	3.2	1.0	1	10/20/15 12:00	10/20/15 16:37	71-43-2	
Bromodichloromethane	<0.69	ug/kg	3.2	0.69	1	10/20/15 12:00	10/20/15 16:37	75-27-4	
Bromoform	<0.53	ug/kg	3.2	0.53	1	10/20/15 12:00	10/20/15 16:37	75-25-2	
Bromomethane	<0.94	ug/kg	6.3	0.94	1	10/20/15 12:00	10/20/15 16:37	74-83-9	
2-Butanone (MEK)	<1.8	ug/kg	12.6	1.8	1	10/20/15 12:00	10/20/15 16:37	78-93-3	
Carbon disulfide	<0.81	ug/kg	3.2	0.81	1	10/20/15 12:00	10/20/15 16:37	75-15-0	
Carbon tetrachloride	<1.0	ug/kg	3.2	1.0	1	10/20/15 12:00	10/20/15 16:37	56-23-5	
Chlorobenzene	<1.0	ug/kg	3.2	1.0	1	10/20/15 12:00	10/20/15 16:37	108-90-7	
Chloroethane	<1.3	ug/kg	3.2	1.3	1	10/20/15 12:00	10/20/15 16:37	75-00-3	
Chloroform	<0.60	ug/kg	3.2	0.60	1	10/20/15 12:00	10/20/15 16:37	67-66-3	
Chloromethane	<0.35	ug/kg	3.2	0.35	1	10/20/15 12:00	10/20/15 16:37	74-87-3	
Dibromochloromethane	<1.1	ug/kg	3.2	1.1	1	10/20/15 12:00	10/20/15 16:37	124-48-1	
1,1-Dichloroethane	<1.5	ug/kg	3.2	1.5	1	10/20/15 12:00	10/20/15 16:37	75-34-3	
1,2-Dichloroethane	<0.62	ug/kg	3.2	0.62	1	10/20/15 12:00	10/20/15 16:37	107-06-2	
1,1-Dichloroethene	<1.4	ug/kg	3.2	1.4	1	10/20/15 12:00	10/20/15 16:37	75-35-4	
cis-1,2-Dichloroethene	<0.84	ug/kg	3.2	0.84	1	10/20/15 12:00	10/20/15 16:37	156-59-2	
trans-1,2-Dichloroethene	<0.78	ug/kg	3.2	0.78	1	10/20/15 12:00	10/20/15 16:37	156-60-5	
1,2-Dichloropropane	<0.79	ug/kg	3.2	0.79	1	10/20/15 12:00	10/20/15 16:37	78-87-5	
cis-1,3-Dichloropropene	<0.42	ug/kg	3.2	0.42	1	10/20/15 12:00	10/20/15 16:37	10061-01-5	
trans-1,3-Dichloropropene	<0.58	ug/kg	3.2	0.58	1	10/20/15 12:00	10/20/15 16:37	10061-02-6	
Ethylbenzene	<0.91	ug/kg	3.2	0.91	1	10/20/15 12:00	10/20/15 16:37	100-41-4	
2-Hexanone	<0.93	ug/kg	3.2	0.93	1	10/20/15 12:00	10/20/15 16:37	591-78-6	
Methylene Chloride	<1.2	ug/kg	3.2	1.2	1	10/20/15 12:00	10/20/15 16:37	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	<0.77	ug/kg	3.2	0.77	1	10/20/15 12:00	10/20/15 16:37	108-10-1	
Methyl-tert-butyl ether	<0.63	ug/kg	3.2	0.63	1	10/20/15 12:00	10/20/15 16:37	1634-04-4	
Styrene	<0.48	ug/kg	3.2	0.48	1	10/20/15 12:00	10/20/15 16:37	100-42-5	
1,1,1,2-Tetrachloroethane	<1.3	ug/kg	3.2	1.3	1	10/20/15 12:00	10/20/15 16:37	79-34-5	
Tetrachloroethene	<0.99	ug/kg	3.2	0.99	1	10/20/15 12:00	10/20/15 16:37	127-18-4	
Toluene	<0.94	ug/kg	3.2	0.94	1	10/20/15 12:00	10/20/15 16:37	108-88-3	
1,1,1-Trichloroethane	<0.97	ug/kg	3.2	0.97	1	10/20/15 12:00	10/20/15 16:37	71-55-6	
1,1,2-Trichloroethane	<1.2	ug/kg	3.2	1.2	1	10/20/15 12:00	10/20/15 16:37	79-00-5	
Trichloroethene	<1.2	ug/kg	3.2	1.2	1	10/20/15 12:00	10/20/15 16:37	79-01-6	
Vinyl chloride	<0.34	ug/kg	3.2	0.34	1	10/20/15 12:00	10/20/15 16:37	75-01-4	
Xylene (Total)	<2.8	ug/kg	9.5	2.8	1	10/20/15 12:00	10/20/15 16:37	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	115	%	70-130		1	10/20/15 12:00	10/20/15 16:37	1868-53-7	
Toluene-d8 (S)	109	%	67-138		1	10/20/15 12:00	10/20/15 16:37	2037-26-5	
4-Bromofluorobenzene (S)	91	%	68-130		1	10/20/15 12:00	10/20/15 16:37	460-00-4	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: AL2-5 (0-5)-101515 **Lab ID: 40122963017** Collected: 10/15/15 13:30 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	11.7	%	0.10	0.10	1		10/16/15 17:32		
9045 pH Soil									
Analytical Method: EPA 9045									
pH at 25 Degrees C	8.69	Std. Units	0.100	0.0100	1		10/22/15 11:05		H6

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: AL2-5 (5-9)-101515 **Lab ID: 40122963018** Collected: 10/15/15 13:40 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.51	mg/kg	1.8	0.51	1	10/21/15 12:31	10/27/15 13:31	7440-36-0	
Arsenic	3.9J	mg/kg	8.9	2.8	5	10/21/15 12:31	10/25/15 12:38	7440-38-2	D3
Barium	31.0	mg/kg	0.45	0.11	1	10/21/15 12:31	10/27/15 13:31	7440-39-3	
Beryllium	0.12J	mg/kg	0.36	0.034	1	10/21/15 12:31	10/27/15 13:31	7440-41-7	
Cadmium	<0.059	mg/kg	0.45	0.059	1	10/21/15 12:31	10/27/15 13:31	7440-43-9	
Calcium	99800	mg/kg	447	12.2	5	10/21/15 12:31	10/25/15 12:38	7440-70-2	
Chromium	16.6	mg/kg	0.45	0.17	1	10/21/15 12:31	10/27/15 13:31	7440-47-3	
Cobalt	4.8	mg/kg	0.45	0.087	1	10/21/15 12:31	10/27/15 13:31	7440-48-4	
Copper	28.0	mg/kg	0.89	0.14	1	10/21/15 12:31	10/27/15 13:31	7440-50-8	
Iron	12100	mg/kg	8.9	1.5	1	10/21/15 12:31	10/27/15 13:31	7439-89-6	
Lead	7.5	mg/kg	0.89	0.39	1	10/21/15 12:31	10/27/15 13:31	7439-92-1	
Magnesium	56000	mg/kg	447	24.2	5	10/21/15 12:31	10/25/15 12:38	7439-95-4	
Manganese	419	mg/kg	0.45	0.045	1	10/21/15 12:31	10/27/15 13:31	7439-96-5	
Nickel	12.8	mg/kg	0.89	0.12	1	10/21/15 12:31	10/27/15 13:31	7440-02-0	
Potassium	1180	mg/kg	89.4	7.4	1	10/21/15 12:31	10/27/15 13:31	7440-09-7	
Selenium	<0.69	mg/kg	1.8	0.69	1	10/21/15 12:31	10/27/15 13:31	7782-49-2	
Silver	<0.25	mg/kg	0.89	0.25	1	10/21/15 12:31	10/27/15 13:31	7440-22-4	
Sodium	1090	mg/kg	89.4	3.4	1	10/21/15 12:31	10/27/15 13:31	7440-23-5	
Thallium	<0.73	mg/kg	3.6	0.73	1	10/21/15 12:31	10/27/15 13:31	7440-28-0	
Vanadium	30.4	mg/kg	0.89	0.18	1	10/21/15 12:31	10/27/15 13:31	7440-62-2	
Zinc	61.6	mg/kg	3.6	0.34	1	10/21/15 12:31	10/27/15 13:31	7440-66-6	

6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	<0.0029	mg/L	0.010	0.0029	1	10/28/15 06:51	10/29/15 03:52	7440-38-2	
Barium	0.037J	mg/L	0.50	0.0033	1	10/28/15 06:51	10/29/15 03:52	7440-39-3	
Beryllium	<0.00031	mg/L	0.0040	0.00031	1	10/28/15 06:51	10/29/15 03:52	7440-41-7	
Cadmium	<0.00021	mg/L	0.0050	0.00021	1	10/28/15 06:51	10/29/15 03:52	7440-43-9	
Chromium	0.0074J	mg/L	0.010	0.0025	1	10/28/15 06:51	10/29/15 03:52	7440-47-3	
Cobalt	0.0016J	mg/L	0.010	0.00053	1	10/28/15 06:51	10/29/15 03:52	7440-48-4	
Copper	0.0076J	mg/L	0.010	0.0040	1	10/28/15 06:51	10/29/15 03:52	7440-50-8	
Iron	5.4	mg/L	0.10	0.016	1	10/28/15 06:51	10/29/15 03:52	7439-89-6	
Lead	0.0040J	mg/L	0.010	0.0029	1	10/28/15 06:51	10/29/15 03:52	7439-92-1	
Manganese	0.080	mg/L	0.010	0.0010	1	10/28/15 06:51	10/29/15 03:52	7439-96-5	
Nickel	0.0054J	mg/L	0.010	0.00074	1	10/28/15 06:51	10/29/15 03:52	7440-02-0	
Selenium	<0.0033	mg/L	0.010	0.0033	1	10/28/15 06:51	10/29/15 03:52	7782-49-2	
Silver	<0.0033	mg/L	0.010	0.0033	1	10/28/15 06:51	10/29/15 03:52	7440-22-4	
Zinc	0.027	mg/L	0.020	0.0030	1	10/28/15 06:51	10/29/15 03:52	7440-66-6	

6010 MET ICP, TCLP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/19/15 19:25									
Arsenic	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:26	7440-38-2	
Barium	<0.25	mg/L	0.50	0.25	1	10/20/15 16:20	10/29/15 04:26	7440-39-3	
Beryllium	<0.0020	mg/L	0.0040	0.0020	1	10/20/15 16:20	10/29/15 04:26	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/20/15 16:20	10/29/15 04:26	7440-43-9	
Chromium	<0.0052	mg/L	0.010	0.0052	1	10/20/15 16:20	10/29/15 04:26	7440-47-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: AL2-5 (5-9)-101515 **Lab ID: 40122963018** Collected: 10/15/15 13:40 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/19/15 19:25									
Cobalt	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:26	7440-48-4	
Copper	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:26	7440-50-8	
Iron	0.12	mg/L	0.10	0.050	1	10/20/15 16:20	10/29/15 04:26	7439-89-6	
Lead	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:26	7439-92-1	
Manganese	1.7	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:26	7439-96-5	
Nickel	0.016	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:26	7440-02-0	
Selenium	0.012	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:26	7782-49-2	
Silver	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:26	7440-22-4	
Zinc	0.18	mg/L	0.020	0.010	1	10/20/15 16:20	10/29/15 04:26	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/21/15 23:37	10/22/15 09:42	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/19/15 19:25									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/21/15 23:39	10/22/15 10:33	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.0097	mg/kg	0.0091	0.0025	1	10/26/15 10:45	10/26/15 18:03	7439-97-6	B
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<62.5	ug/kg	208	62.5	1	10/21/15 12:17	10/22/15 17:04	83-32-9	
Acenaphthylene	<62.8	ug/kg	209	62.8	1	10/21/15 12:17	10/22/15 17:04	208-96-8	
Anthracene	51.5J	ug/kg	93.8	28.2	1	10/21/15 12:17	10/22/15 17:04	120-12-7	
Benzo(a)anthracene	195	ug/kg	90.9	27.3	1	10/21/15 12:17	10/22/15 17:04	56-55-3	
Benzo(a)pyrene	201	ug/kg	88.3	26.5	1	10/21/15 12:17	10/22/15 17:04	50-32-8	
Benzo(b)fluoranthene	225	ug/kg	101	30.3	1	10/21/15 12:17	10/22/15 17:04	205-99-2	
Benzo(g,h,i)perylene	164	ug/kg	154	46.1	1	10/21/15 12:17	10/22/15 17:04	191-24-2	
Benzo(k)fluoranthene	163	ug/kg	141	42.2	1	10/21/15 12:17	10/22/15 17:04	207-08-9	
4-Bromophenylphenyl ether	<36.9	ug/kg	123	36.9	1	10/21/15 12:17	10/22/15 17:04	101-55-3	
Butylbenzylphthalate	<28.2	ug/kg	94.1	28.2	1	10/21/15 12:17	10/22/15 17:04	85-68-7	
Carbazole	<27.6	ug/kg	91.9	27.6	1	10/21/15 12:17	10/22/15 17:04	86-74-8	
4-Chloro-3-methylphenol	<54.8	ug/kg	183	54.8	1	10/21/15 12:17	10/22/15 17:04	59-50-7	
4-Chloroaniline	<28.9	ug/kg	96.5	28.9	1	10/21/15 12:17	10/22/15 17:04	106-47-8	
bis(2-Chloroethoxy)methane	<47.4	ug/kg	158	47.4	1	10/21/15 12:17	10/22/15 17:04	111-91-1	
bis(2-Chloroethyl) ether	<55.0	ug/kg	183	55.0	1	10/21/15 12:17	10/22/15 17:04	111-44-4	
2-Chloronaphthalene	<22.6	ug/kg	75.4	22.6	1	10/21/15 12:17	10/22/15 17:04	91-58-7	
2-Chlorophenol	<44.0	ug/kg	147	44.0	1	10/21/15 12:17	10/22/15 17:04	95-57-8	
4-Chlorophenylphenyl ether	<32.8	ug/kg	109	32.8	1	10/21/15 12:17	10/22/15 17:04	7005-72-3	
Chrysene	212	ug/kg	87.8	26.3	1	10/21/15 12:17	10/22/15 17:04	218-01-9	
Dibenz(a,h)anthracene	<47.8	ug/kg	159	47.8	1	10/21/15 12:17	10/22/15 17:04	53-70-3	
Dibenzofuran	<21.3	ug/kg	71.1	21.3	1	10/21/15 12:17	10/22/15 17:04	132-64-9	
1,2-Dichlorobenzene	<55.4	ug/kg	185	55.4	1	10/21/15 12:17	10/22/15 17:04	95-50-1	
1,3-Dichlorobenzene	<24.4	ug/kg	81.3	24.4	1	10/21/15 12:17	10/22/15 17:04	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: AL2-5 (5-9)-101515 **Lab ID:** 40122963018 Collected: 10/15/15 13:40 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,4-Dichlorobenzene	<24.5	ug/kg	81.8	24.5	1	10/21/15 12:17	10/22/15 17:04	106-46-7	
3,3'-Dichlorobenzidine	<47.8	ug/kg	159	47.8	1	10/21/15 12:17	10/22/15 17:04	91-94-1	
2,4-Dichlorophenol	<47.1	ug/kg	157	47.1	1	10/21/15 12:17	10/22/15 17:04	120-83-2	
Diethylphthalate	<29.2	ug/kg	97.4	29.2	1	10/21/15 12:17	10/22/15 17:04	84-66-2	
2,4-Dimethylphenol	<34.8	ug/kg	116	34.8	1	10/21/15 12:17	10/22/15 17:04	105-67-9	
Dimethylphthalate	<22.9	ug/kg	76.4	22.9	1	10/21/15 12:17	10/22/15 17:04	131-11-3	
Di-n-butylphthalate	<26.3	ug/kg	87.8	26.3	1	10/21/15 12:17	10/22/15 17:04	84-74-2	
4,6-Dinitro-2-methylphenol	<54.3	ug/kg	181	54.3	1	10/21/15 12:17	10/22/15 17:04	534-52-1	
2,4-Dinitrophenol	<53.7	ug/kg	179	53.7	1	10/21/15 12:17	10/22/15 17:04	51-28-5	
2,4-Dinitrotoluene	<25.2	ug/kg	84.0	25.2	1	10/21/15 12:17	10/22/15 17:04	121-14-2	
2,6-Dinitrotoluene	<33.4	ug/kg	111	33.4	1	10/21/15 12:17	10/22/15 17:04	606-20-2	
Di-n-octylphthalate	<39.6	ug/kg	132	39.6	1	10/21/15 12:17	10/22/15 17:04	117-84-0	
bis(2-Ethylhexyl)phthalate	32.6J	ug/kg	97.6	29.3	1	10/21/15 12:17	10/22/15 17:04	117-81-7	
Fluoranthene	455	ug/kg	83.1	24.9	1	10/21/15 12:17	10/22/15 17:04	206-44-0	
Fluorene	<20.6	ug/kg	68.6	20.6	1	10/21/15 12:17	10/22/15 17:04	86-73-7	
Hexachloro-1,3-butadiene	<44.9	ug/kg	150	44.9	1	10/21/15 12:17	10/22/15 17:04	87-68-3	
Hexachlorobenzene	<29.6	ug/kg	98.7	29.6	1	10/21/15 12:17	10/22/15 17:04	118-74-1	
Hexachlorocyclopentadiene	<41.7	ug/kg	139	41.7	1	10/21/15 12:17	10/22/15 17:04	77-47-4	
Hexachloroethane	<28.2	ug/kg	94.0	28.2	1	10/21/15 12:17	10/22/15 17:04	67-72-1	
Indeno(1,2,3-cd)pyrene	133	ug/kg	127	38.1	1	10/21/15 12:17	10/22/15 17:04	193-39-5	
Isophorone	<27.1	ug/kg	90.3	27.1	1	10/21/15 12:17	10/22/15 17:04	78-59-1	
2-Methylnaphthalene	<45.7	ug/kg	152	45.7	1	10/21/15 12:17	10/22/15 17:04	91-57-6	
2-Methylphenol(o-Cresol)	<32.0	ug/kg	107	32.0	1	10/21/15 12:17	10/22/15 17:04	95-48-7	
3&4-Methylphenol(m&p Cresol)	<32.3	ug/kg	108	32.3	1	10/21/15 12:17	10/22/15 17:04		
Naphthalene	<61.6	ug/kg	205	61.6	1	10/21/15 12:17	10/22/15 17:04	91-20-3	
2-Nitroaniline	<50.2	ug/kg	167	50.2	1	10/21/15 12:17	10/22/15 17:04	88-74-4	
3-Nitroaniline	<30.0	ug/kg	99.8	30.0	1	10/21/15 12:17	10/22/15 17:04	99-09-2	
4-Nitroaniline	<73.1	ug/kg	244	73.1	1	10/21/15 12:17	10/22/15 17:04	100-01-6	
Nitrobenzene	<35.7	ug/kg	119	35.7	1	10/21/15 12:17	10/22/15 17:04	98-95-3	
2-Nitrophenol	<55.6	ug/kg	185	55.6	1	10/21/15 12:17	10/22/15 17:04	88-75-5	
4-Nitrophenol	<44.4	ug/kg	148	44.4	1	10/21/15 12:17	10/22/15 17:04	100-02-7	
N-Nitroso-di-n-propylamine	<27.9	ug/kg	93.1	27.9	1	10/21/15 12:17	10/22/15 17:04	621-64-7	
N-Nitrosodiphenylamine	<239	ug/kg	797	239	1	10/21/15 12:17	10/22/15 17:04	86-30-6	
2,2'-Oxybis(1-chloropropane)	<45.4	ug/kg	151	45.4	1	10/21/15 12:17	10/22/15 17:04	108-60-1	
Pentachlorophenol	<38.8	ug/kg	129	38.8	1	10/21/15 12:17	10/22/15 17:04	87-86-5	
Phenanthrene	227	ug/kg	75.3	22.6	1	10/21/15 12:17	10/22/15 17:04	85-01-8	
Phenol	<41.8	ug/kg	139	41.8	1	10/21/15 12:17	10/22/15 17:04	108-95-2	
Pyrene	379	ug/kg	130	39.0	1	10/21/15 12:17	10/22/15 17:04	129-00-0	
1,2,4-Trichlorobenzene	<19.9	ug/kg	66.4	19.9	1	10/21/15 12:17	10/22/15 17:04	120-82-1	
2,4,5-Trichlorophenol	<31.1	ug/kg	104	31.1	1	10/21/15 12:17	10/22/15 17:04	95-95-4	
2,4,6-Trichlorophenol	<26.9	ug/kg	89.5	26.9	1	10/21/15 12:17	10/22/15 17:04	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	71	%	45-130		1	10/21/15 12:17	10/22/15 17:04	4165-60-0	
2-Fluorobiphenyl (S)	75	%	51-130		1	10/21/15 12:17	10/22/15 17:04	321-60-8	
Terphenyl-d14 (S)	84	%	37-134		1	10/21/15 12:17	10/22/15 17:04	1718-51-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: AL2-5 (5-9)-101515 **Lab ID: 40122963018** Collected: 10/15/15 13:40 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Phenol-d6 (S)	67	%	36-130		1	10/21/15 12:17	10/22/15 17:04	13127-88-3	
2-Fluorophenol (S)	59	%	37-130		1	10/21/15 12:17	10/22/15 17:04	367-12-4	
2,4,6-Tribromophenol (S)	83	%	30-130		1	10/21/15 12:17	10/22/15 17:04	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<5.3	ug/kg	16.9	5.3	1	10/20/15 12:00	10/20/15 16:59	67-64-1	2q
Benzene	<1.4	ug/kg	4.2	1.4	1	10/20/15 12:00	10/20/15 16:59	71-43-2	
Bromodichloromethane	<0.92	ug/kg	4.2	0.92	1	10/20/15 12:00	10/20/15 16:59	75-27-4	
Bromoform	<0.72	ug/kg	4.2	0.72	1	10/20/15 12:00	10/20/15 16:59	75-25-2	
Bromomethane	<1.3	ug/kg	8.4	1.3	1	10/20/15 12:00	10/20/15 16:59	74-83-9	
2-Butanone (MEK)	<2.4	ug/kg	16.9	2.4	1	10/20/15 12:00	10/20/15 16:59	78-93-3	
Carbon disulfide	<1.1	ug/kg	4.2	1.1	1	10/20/15 12:00	10/20/15 16:59	75-15-0	
Carbon tetrachloride	<1.3	ug/kg	4.2	1.3	1	10/20/15 12:00	10/20/15 16:59	56-23-5	
Chlorobenzene	<1.3	ug/kg	4.2	1.3	1	10/20/15 12:00	10/20/15 16:59	108-90-7	
Chloroethane	<1.7	ug/kg	4.2	1.7	1	10/20/15 12:00	10/20/15 16:59	75-00-3	
Chloroform	<0.80	ug/kg	4.2	0.80	1	10/20/15 12:00	10/20/15 16:59	67-66-3	
Chloromethane	<0.47	ug/kg	4.2	0.47	1	10/20/15 12:00	10/20/15 16:59	74-87-3	
Dibromochloromethane	<1.4	ug/kg	4.2	1.4	1	10/20/15 12:00	10/20/15 16:59	124-48-1	
1,1-Dichloroethane	<2.0	ug/kg	4.2	2.0	1	10/20/15 12:00	10/20/15 16:59	75-34-3	
1,2-Dichloroethane	<0.83	ug/kg	4.2	0.83	1	10/20/15 12:00	10/20/15 16:59	107-06-2	
1,1-Dichloroethene	<1.9	ug/kg	4.2	1.9	1	10/20/15 12:00	10/20/15 16:59	75-35-4	
cis-1,2-Dichloroethene	<1.1	ug/kg	4.2	1.1	1	10/20/15 12:00	10/20/15 16:59	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/kg	4.2	1.0	1	10/20/15 12:00	10/20/15 16:59	156-60-5	
1,2-Dichloropropane	<1.1	ug/kg	4.2	1.1	1	10/20/15 12:00	10/20/15 16:59	78-87-5	
cis-1,3-Dichloropropene	<0.56	ug/kg	4.2	0.56	1	10/20/15 12:00	10/20/15 16:59	10061-01-5	
trans-1,3-Dichloropropene	<0.78	ug/kg	4.2	0.78	1	10/20/15 12:00	10/20/15 16:59	10061-02-6	
Ethylbenzene	<1.2	ug/kg	4.2	1.2	1	10/20/15 12:00	10/20/15 16:59	100-41-4	
2-Hexanone	<1.3	ug/kg	4.2	1.3	1	10/20/15 12:00	10/20/15 16:59	591-78-6	
Methylene Chloride	<1.6	ug/kg	4.2	1.6	1	10/20/15 12:00	10/20/15 16:59	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	<1.0	ug/kg	4.2	1.0	1	10/20/15 12:00	10/20/15 16:59	108-10-1	
Methyl-tert-butyl ether	<0.85	ug/kg	4.2	0.85	1	10/20/15 12:00	10/20/15 16:59	1634-04-4	
Styrene	<0.64	ug/kg	4.2	0.64	1	10/20/15 12:00	10/20/15 16:59	100-42-5	
1,1,2,2-Tetrachloroethane	<1.7	ug/kg	4.2	1.7	1	10/20/15 12:00	10/20/15 16:59	79-34-5	
Tetrachloroethene	<1.3	ug/kg	4.2	1.3	1	10/20/15 12:00	10/20/15 16:59	127-18-4	
Toluene	<1.3	ug/kg	4.2	1.3	1	10/20/15 12:00	10/20/15 16:59	108-88-3	
1,1,1-Trichloroethane	<1.3	ug/kg	4.2	1.3	1	10/20/15 12:00	10/20/15 16:59	71-55-6	
1,1,2-Trichloroethane	<1.6	ug/kg	4.2	1.6	1	10/20/15 12:00	10/20/15 16:59	79-00-5	
Trichloroethene	<1.6	ug/kg	4.2	1.6	1	10/20/15 12:00	10/20/15 16:59	79-01-6	
Vinyl chloride	<0.46	ug/kg	4.2	0.46	1	10/20/15 12:00	10/20/15 16:59	75-01-4	
Xylene (Total)	<3.8	ug/kg	12.7	3.8	1	10/20/15 12:00	10/20/15 16:59	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	113	%	70-130		1	10/20/15 12:00	10/20/15 16:59	1868-53-7	
Toluene-d8 (S)	112	%	67-138		1	10/20/15 12:00	10/20/15 16:59	2037-26-5	
4-Bromofluorobenzene (S)	86	%	68-130		1	10/20/15 12:00	10/20/15 16:59	460-00-4	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: AL2-5 (5-9)-101515 **Lab ID: 40122963018** Collected: 10/15/15 13:40 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	5.2	%	0.10	0.10	1		10/16/15 17:32		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	8.78	Std. Units	0.100	0.0100	1		10/22/15 11:05		H6

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: **AL2-4 (0-5)-101515** Lab ID: **40122963019** Collected: 10/15/15 14:30 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.64	mg/kg	2.2	0.64	1	10/22/15 08:07	10/24/15 10:50	7440-36-0	
Arsenic	5.4	mg/kg	2.2	0.71	1	10/22/15 08:07	10/24/15 10:50	7440-38-2	
Barium	60.7	mg/kg	0.56	0.13	1	10/22/15 08:07	10/24/15 10:50	7440-39-3	
Beryllium	0.49	mg/kg	0.45	0.042	1	10/22/15 08:07	10/24/15 10:50	7440-41-7	
Cadmium	<0.074	mg/kg	0.56	0.074	1	10/22/15 08:07	10/24/15 10:50	7440-43-9	
Calcium	77100	mg/kg	224	6.1	2	10/22/15 08:07	10/25/15 10:59	7440-70-2	
Chromium	15.2	mg/kg	0.56	0.22	1	10/22/15 08:07	10/24/15 10:50	7440-47-3	
Cobalt	5.3	mg/kg	0.56	0.11	1	10/22/15 08:07	10/24/15 10:50	7440-48-4	
Copper	13.1	mg/kg	1.1	0.17	1	10/22/15 08:07	10/24/15 10:50	7440-50-8	
Iron	13400	mg/kg	11.2	1.9	1	10/22/15 08:07	10/24/15 10:50	7439-89-6	
Lead	10.8	mg/kg	1.1	0.48	1	10/22/15 08:07	10/24/15 10:50	7439-92-1	
Magnesium	42400	mg/kg	112	6.1	1	10/22/15 08:07	10/24/15 10:50	7439-95-4	
Manganese	494	mg/kg	0.56	0.057	1	10/22/15 08:07	10/24/15 10:50	7439-96-5	
Nickel	12.6	mg/kg	1.1	0.15	1	10/22/15 08:07	10/24/15 10:50	7440-02-0	
Potassium	2280	mg/kg	112	9.2	1	10/22/15 08:07	10/24/15 10:50	7440-09-7	
Selenium	<0.86	mg/kg	2.2	0.86	1	10/22/15 08:07	10/24/15 10:50	7782-49-2	
Silver	<0.31	mg/kg	1.1	0.31	1	10/22/15 08:07	10/24/15 10:50	7440-22-4	
Sodium	97.6J	mg/kg	112	4.3	1	10/22/15 08:07	10/24/15 10:50	7440-23-5	
Thallium	<0.92	mg/kg	4.5	0.92	1	10/22/15 08:07	10/24/15 10:50	7440-28-0	
Vanadium	28.4	mg/kg	1.1	0.23	1	10/22/15 08:07	10/24/15 10:50	7440-62-2	
Zinc	32.0	mg/kg	4.5	0.43	1	10/22/15 08:07	10/24/15 10:50	7440-66-6	

6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	0.0090J	mg/L	0.010	0.0029	1	10/28/15 06:51	10/29/15 03:55	7440-38-2	
Barium	0.22J	mg/L	0.50	0.0033	1	10/28/15 06:51	10/29/15 03:55	7440-39-3	
Beryllium	0.0013J	mg/L	0.0040	0.00031	1	10/28/15 06:51	10/29/15 03:55	7440-41-7	
Cadmium	0.00045J	mg/L	0.0050	0.00021	1	10/28/15 06:51	10/29/15 03:55	7440-43-9	
Chromium	0.035	mg/L	0.010	0.0025	1	10/28/15 06:51	10/29/15 03:55	7440-47-3	
Cobalt	0.0073J	mg/L	0.010	0.00053	1	10/28/15 06:51	10/29/15 03:55	7440-48-4	
Copper	0.029	mg/L	0.010	0.0040	1	10/28/15 06:51	10/29/15 03:55	7440-50-8	
Iron	31.2	mg/L	0.10	0.016	1	10/28/15 06:51	10/29/15 03:55	7439-89-6	
Lead	0.018	mg/L	0.010	0.0029	1	10/28/15 06:51	10/29/15 03:55	7439-92-1	
Manganese	0.49	mg/L	0.010	0.0010	1	10/28/15 06:51	10/29/15 03:55	7439-96-5	
Nickel	0.036	mg/L	0.010	0.00074	1	10/28/15 06:51	10/29/15 03:55	7440-02-0	
Selenium	0.0060J	mg/L	0.010	0.0033	1	10/28/15 06:51	10/29/15 03:55	7782-49-2	
Silver	<0.0033	mg/L	0.010	0.0033	1	10/28/15 06:51	10/29/15 03:55	7440-22-4	
Zinc	0.10	mg/L	0.020	0.0030	1	10/28/15 06:51	10/29/15 03:55	7440-66-6	

6010 MET ICP, TCLP Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 10/19/15 19:25									
Arsenic	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:28	7440-38-2	
Barium	0.50J	mg/L	0.50	0.25	1	10/20/15 16:20	10/29/15 04:28	7440-39-3	
Beryllium	<0.0020	mg/L	0.0040	0.0020	1	10/20/15 16:20	10/29/15 04:28	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/20/15 16:20	10/29/15 04:28	7440-43-9	
Chromium	<0.0052	mg/L	0.010	0.0052	1	10/20/15 16:20	10/29/15 04:28	7440-47-3	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: AL2-4 (0-5)-101515 Lab ID: 40122963019 Collected: 10/15/15 14:30 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/19/15 19:25									
Cobalt	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:28	7440-48-4	
Copper	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:28	7440-50-8	
Iron	<0.050	mg/L	0.10	0.050	1	10/20/15 16:20	10/29/15 04:28	7439-89-6	
Lead	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:28	7439-92-1	
Manganese	0.17	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:28	7439-96-5	
Nickel	0.0052J	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:28	7440-02-0	
Selenium	0.012	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:28	7782-49-2	
Silver	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/29/15 04:28	7440-22-4	
Zinc	<0.010	mg/L	0.020	0.010	1	10/20/15 16:20	10/29/15 04:28	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/21/15 23:37	10/22/15 09:44	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/19/15 19:25									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/21/15 23:39	10/22/15 10:35	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.0088J	mg/kg	0.011	0.0030	1	10/26/15 17:42	10/27/15 11:21	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<66.7	ug/kg	222	66.7	1	10/21/15 12:17	10/22/15 09:13	83-32-9	
Acenaphthylene	<67.1	ug/kg	224	67.1	1	10/21/15 12:17	10/22/15 09:13	208-96-8	
Anthracene	<30.1	ug/kg	100	30.1	1	10/21/15 12:17	10/22/15 09:13	120-12-7	
Benzo(a)anthracene	<29.1	ug/kg	97.1	29.1	1	10/21/15 12:17	10/22/15 09:13	56-55-3	
Benzo(a)pyrene	<28.3	ug/kg	94.3	28.3	1	10/21/15 12:17	10/22/15 09:13	50-32-8	
Benzo(b)fluoranthene	<32.3	ug/kg	108	32.3	1	10/21/15 12:17	10/22/15 09:13	205-99-2	
Benzo(g,h,i)perylene	<49.2	ug/kg	164	49.2	1	10/21/15 12:17	10/22/15 09:13	191-24-2	
Benzo(k)fluoranthene	<45.0	ug/kg	150	45.0	1	10/21/15 12:17	10/22/15 09:13	207-08-9	
4-Bromophenylphenyl ether	<39.4	ug/kg	131	39.4	1	10/21/15 12:17	10/22/15 09:13	101-55-3	
Butylbenzylphthalate	<30.2	ug/kg	101	30.2	1	10/21/15 12:17	10/22/15 09:13	85-68-7	
Carbazole	<29.4	ug/kg	98.2	29.4	1	10/21/15 12:17	10/22/15 09:13	86-74-8	
4-Chloro-3-methylphenol	<58.5	ug/kg	195	58.5	1	10/21/15 12:17	10/22/15 09:13	59-50-7	
4-Chloroaniline	<30.9	ug/kg	103	30.9	1	10/21/15 12:17	10/22/15 09:13	106-47-8	
bis(2-Chloroethoxy)methane	<50.7	ug/kg	169	50.7	1	10/21/15 12:17	10/22/15 09:13	111-91-1	
bis(2-Chloroethyl) ether	<58.7	ug/kg	196	58.7	1	10/21/15 12:17	10/22/15 09:13	111-44-4	
2-Chloronaphthalene	<24.1	ug/kg	80.5	24.1	1	10/21/15 12:17	10/22/15 09:13	91-58-7	
2-Chlorophenol	<46.9	ug/kg	156	46.9	1	10/21/15 12:17	10/22/15 09:13	95-57-8	
4-Chlorophenylphenyl ether	<35.0	ug/kg	117	35.0	1	10/21/15 12:17	10/22/15 09:13	7005-72-3	
Chrysene	<28.1	ug/kg	93.7	28.1	1	10/21/15 12:17	10/22/15 09:13	218-01-9	
Dibenz(a,h)anthracene	<51.1	ug/kg	170	51.1	1	10/21/15 12:17	10/22/15 09:13	53-70-3	
Dibenzofuran	<22.8	ug/kg	75.9	22.8	1	10/21/15 12:17	10/22/15 09:13	132-64-9	
1,2-Dichlorobenzene	<59.1	ug/kg	197	59.1	1	10/21/15 12:17	10/22/15 09:13	95-50-1	
1,3-Dichlorobenzene	<26.0	ug/kg	86.8	26.0	1	10/21/15 12:17	10/22/15 09:13	541-73-1	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: AL2-4 (0-5)-101515 **Lab ID:** 40122963019 Collected: 10/15/15 14:30 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,4-Dichlorobenzene	<26.2	ug/kg	87.3	26.2	1	10/21/15 12:17	10/22/15 09:13	106-46-7	
3,3'-Dichlorobenzidine	<51.0	ug/kg	170	51.0	1	10/21/15 12:17	10/22/15 09:13	91-94-1	
2,4-Dichlorophenol	<50.3	ug/kg	168	50.3	1	10/21/15 12:17	10/22/15 09:13	120-83-2	
Diethylphthalate	<31.2	ug/kg	104	31.2	1	10/21/15 12:17	10/22/15 09:13	84-66-2	
2,4-Dimethylphenol	<37.2	ug/kg	124	37.2	1	10/21/15 12:17	10/22/15 09:13	105-67-9	
Dimethylphthalate	<24.5	ug/kg	81.6	24.5	1	10/21/15 12:17	10/22/15 09:13	131-11-3	
Di-n-butylphthalate	<28.1	ug/kg	93.7	28.1	1	10/21/15 12:17	10/22/15 09:13	84-74-2	
4,6-Dinitro-2-methylphenol	<58.0	ug/kg	193	58.0	1	10/21/15 12:17	10/22/15 09:13	534-52-1	
2,4-Dinitrophenol	<57.3	ug/kg	191	57.3	1	10/21/15 12:17	10/22/15 09:13	51-28-5	
2,4-Dinitrotoluene	<26.9	ug/kg	89.7	26.9	1	10/21/15 12:17	10/22/15 09:13	121-14-2	
2,6-Dinitrotoluene	<35.7	ug/kg	119	35.7	1	10/21/15 12:17	10/22/15 09:13	606-20-2	
Di-n-octylphthalate	<42.3	ug/kg	141	42.3	1	10/21/15 12:17	10/22/15 09:13	117-84-0	
bis(2-Ethylhexyl)phthalate	<31.3	ug/kg	104	31.3	1	10/21/15 12:17	10/22/15 09:13	117-81-7	
Fluoranthene	<26.6	ug/kg	88.7	26.6	1	10/21/15 12:17	10/22/15 09:13	206-44-0	
Fluorene	<22.0	ug/kg	73.3	22.0	1	10/21/15 12:17	10/22/15 09:13	86-73-7	
Hexachloro-1,3-butadiene	<47.9	ug/kg	160	47.9	1	10/21/15 12:17	10/22/15 09:13	87-68-3	
Hexachlorobenzene	<31.6	ug/kg	105	31.6	1	10/21/15 12:17	10/22/15 09:13	118-74-1	
Hexachlorocyclopentadiene	<44.5	ug/kg	148	44.5	1	10/21/15 12:17	10/22/15 09:13	77-47-4	
Hexachloroethane	<30.1	ug/kg	100	30.1	1	10/21/15 12:17	10/22/15 09:13	67-72-1	
Indeno(1,2,3-cd)pyrene	<40.7	ug/kg	136	40.7	1	10/21/15 12:17	10/22/15 09:13	193-39-5	
Isophorone	<28.9	ug/kg	96.4	28.9	1	10/21/15 12:17	10/22/15 09:13	78-59-1	
2-Methylnaphthalene	<48.8	ug/kg	163	48.8	1	10/21/15 12:17	10/22/15 09:13	91-57-6	
2-Methylphenol(o-Cresol)	<34.2	ug/kg	114	34.2	1	10/21/15 12:17	10/22/15 09:13	95-48-7	
3&4-Methylphenol(m&p Cresol)	<34.5	ug/kg	115	34.5	1	10/21/15 12:17	10/22/15 09:13		
Naphthalene	<65.8	ug/kg	219	65.8	1	10/21/15 12:17	10/22/15 09:13	91-20-3	
2-Nitroaniline	<53.6	ug/kg	179	53.6	1	10/21/15 12:17	10/22/15 09:13	88-74-4	
3-Nitroaniline	<32.0	ug/kg	107	32.0	1	10/21/15 12:17	10/22/15 09:13	99-09-2	
4-Nitroaniline	<78.1	ug/kg	260	78.1	1	10/21/15 12:17	10/22/15 09:13	100-01-6	
Nitrobenzene	<38.1	ug/kg	127	38.1	1	10/21/15 12:17	10/22/15 09:13	98-95-3	
2-Nitrophenol	<59.4	ug/kg	198	59.4	1	10/21/15 12:17	10/22/15 09:13	88-75-5	
4-Nitrophenol	<47.4	ug/kg	158	47.4	1	10/21/15 12:17	10/22/15 09:13	100-02-7	
N-Nitroso-di-n-propylamine	<29.8	ug/kg	99.4	29.8	1	10/21/15 12:17	10/22/15 09:13	621-64-7	
N-Nitrosodiphenylamine	<255	ug/kg	851	255	1	10/21/15 12:17	10/22/15 09:13	86-30-6	
2,2'-Oxybis(1-chloropropane)	<48.5	ug/kg	162	48.5	1	10/21/15 12:17	10/22/15 09:13	108-60-1	
Pentachlorophenol	<41.4	ug/kg	138	41.4	1	10/21/15 12:17	10/22/15 09:13	87-86-5	
Phenanthrene	<24.1	ug/kg	80.4	24.1	1	10/21/15 12:17	10/22/15 09:13	85-01-8	
Phenol	<44.6	ug/kg	149	44.6	1	10/21/15 12:17	10/22/15 09:13	108-95-2	
Pyrene	<41.7	ug/kg	139	41.7	1	10/21/15 12:17	10/22/15 09:13	129-00-0	
1,2,4-Trichlorobenzene	<21.3	ug/kg	70.9	21.3	1	10/21/15 12:17	10/22/15 09:13	120-82-1	
2,4,5-Trichlorophenol	<33.2	ug/kg	111	33.2	1	10/21/15 12:17	10/22/15 09:13	95-95-4	
2,4,6-Trichlorophenol	<28.7	ug/kg	95.6	28.7	1	10/21/15 12:17	10/22/15 09:13	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	72	%	45-130		1	10/21/15 12:17	10/22/15 09:13	4165-60-0	
2-Fluorobiphenyl (S)	65	%	51-130		1	10/21/15 12:17	10/22/15 09:13	321-60-8	
Terphenyl-d14 (S)	72	%	37-134		1	10/21/15 12:17	10/22/15 09:13	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: AL2-4 (0-5)-101515 **Lab ID: 40122963019** Collected: 10/15/15 14:30 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Phenol-d6 (S)	62	%	36-130		1	10/21/15 12:17	10/22/15 09:13	13127-88-3	
2-Fluorophenol (S)	60	%	37-130		1	10/21/15 12:17	10/22/15 09:13	367-12-4	
2,4,6-Tribromophenol (S)	70	%	30-130		1	10/21/15 12:17	10/22/15 09:13	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<3.9	ug/kg	12.5	3.9	1	10/20/15 12:00	10/20/15 17:22	67-64-1	2q
Benzene	<1.0	ug/kg	3.1	1.0	1	10/20/15 12:00	10/20/15 17:22	71-43-2	
Bromodichloromethane	<0.69	ug/kg	3.1	0.69	1	10/20/15 12:00	10/20/15 17:22	75-27-4	
Bromoform	<0.53	ug/kg	3.1	0.53	1	10/20/15 12:00	10/20/15 17:22	75-25-2	
Bromomethane	<0.94	ug/kg	6.3	0.94	1	10/20/15 12:00	10/20/15 17:22	74-83-9	
2-Butanone (MEK)	<1.8	ug/kg	12.5	1.8	1	10/20/15 12:00	10/20/15 17:22	78-93-3	
Carbon disulfide	<0.81	ug/kg	3.1	0.81	1	10/20/15 12:00	10/20/15 17:22	75-15-0	
Carbon tetrachloride	<1.0	ug/kg	3.1	1.0	1	10/20/15 12:00	10/20/15 17:22	56-23-5	
Chlorobenzene	<0.99	ug/kg	3.1	0.99	1	10/20/15 12:00	10/20/15 17:22	108-90-7	
Chloroethane	<1.3	ug/kg	3.1	1.3	1	10/20/15 12:00	10/20/15 17:22	75-00-3	
Chloroform	<0.59	ug/kg	3.1	0.59	1	10/20/15 12:00	10/20/15 17:22	67-66-3	
Chloromethane	<0.35	ug/kg	3.1	0.35	1	10/20/15 12:00	10/20/15 17:22	74-87-3	
Dibromochloromethane	<1.1	ug/kg	3.1	1.1	1	10/20/15 12:00	10/20/15 17:22	124-48-1	
1,1-Dichloroethane	<1.5	ug/kg	3.1	1.5	1	10/20/15 12:00	10/20/15 17:22	75-34-3	
1,2-Dichloroethane	<0.62	ug/kg	3.1	0.62	1	10/20/15 12:00	10/20/15 17:22	107-06-2	
1,1-Dichloroethene	<1.4	ug/kg	3.1	1.4	1	10/20/15 12:00	10/20/15 17:22	75-35-4	
cis-1,2-Dichloroethene	<0.83	ug/kg	3.1	0.83	1	10/20/15 12:00	10/20/15 17:22	156-59-2	
trans-1,2-Dichloroethene	<0.78	ug/kg	3.1	0.78	1	10/20/15 12:00	10/20/15 17:22	156-60-5	
1,2-Dichloropropane	<0.79	ug/kg	3.1	0.79	1	10/20/15 12:00	10/20/15 17:22	78-87-5	
cis-1,3-Dichloropropene	<0.42	ug/kg	3.1	0.42	1	10/20/15 12:00	10/20/15 17:22	10061-01-5	
trans-1,3-Dichloropropene	<0.58	ug/kg	3.1	0.58	1	10/20/15 12:00	10/20/15 17:22	10061-02-6	
Ethylbenzene	<0.91	ug/kg	3.1	0.91	1	10/20/15 12:00	10/20/15 17:22	100-41-4	
2-Hexanone	<0.93	ug/kg	3.1	0.93	1	10/20/15 12:00	10/20/15 17:22	591-78-6	
Methylene Chloride	<1.2	ug/kg	3.1	1.2	1	10/20/15 12:00	10/20/15 17:22	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	<0.77	ug/kg	3.1	0.77	1	10/20/15 12:00	10/20/15 17:22	108-10-1	
Methyl-tert-butyl ether	<0.63	ug/kg	3.1	0.63	1	10/20/15 12:00	10/20/15 17:22	1634-04-4	
Styrene	<0.48	ug/kg	3.1	0.48	1	10/20/15 12:00	10/20/15 17:22	100-42-5	
1,1,2,2-Tetrachloroethane	<1.3	ug/kg	3.1	1.3	1	10/20/15 12:00	10/20/15 17:22	79-34-5	
Tetrachloroethene	<0.99	ug/kg	3.1	0.99	1	10/20/15 12:00	10/20/15 17:22	127-18-4	
Toluene	<0.93	ug/kg	3.1	0.93	1	10/20/15 12:00	10/20/15 17:22	108-88-3	
1,1,1-Trichloroethane	<0.97	ug/kg	3.1	0.97	1	10/20/15 12:00	10/20/15 17:22	71-55-6	
1,1,2-Trichloroethane	<1.2	ug/kg	3.1	1.2	1	10/20/15 12:00	10/20/15 17:22	79-00-5	
Trichloroethene	<1.2	ug/kg	3.1	1.2	1	10/20/15 12:00	10/20/15 17:22	79-01-6	
Vinyl chloride	<0.34	ug/kg	3.1	0.34	1	10/20/15 12:00	10/20/15 17:22	75-01-4	
Xylene (Total)	<2.8	ug/kg	9.4	2.8	1	10/20/15 12:00	10/20/15 17:22	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	116	%	70-130		1	10/20/15 12:00	10/20/15 17:22	1868-53-7	
Toluene-d8 (S)	102	%	67-138		1	10/20/15 12:00	10/20/15 17:22	2037-26-5	
4-Bromofluorobenzene (S)	94	%	68-130		1	10/20/15 12:00	10/20/15 17:22	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: AL2-4 (0-5)-101515 **Lab ID: 40122963019** Collected: 10/15/15 14:30 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	11.3	%	0.10	0.10	1		10/16/15 17:32		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	7.39	Std. Units	0.100	0.0100	1		10/22/15 11:05		H6

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: AL2-4 (5-9)-101515 Lab ID: 40122963020 Collected: 10/15/15 14:40 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	0.72J	mg/kg	2.0	0.57	1	10/22/15 08:07	10/24/15 10:52	7440-36-0	
Arsenic	4.9J	mg/kg	10.0	3.2	5	10/22/15 08:07	10/25/15 11:01	7440-38-2	D3
Barium	16.2	mg/kg	0.50	0.12	1	10/22/15 08:07	10/24/15 10:52	7440-39-3	
Beryllium	0.11J	mg/kg	0.40	0.038	1	10/22/15 08:07	10/24/15 10:52	7440-41-7	
Cadmium	<0.066	mg/kg	0.50	0.066	1	10/22/15 08:07	10/24/15 10:52	7440-43-9	
Calcium	125000	mg/kg	501	13.7	5	10/22/15 08:07	10/25/15 11:01	7440-70-2	
Chromium	7.1	mg/kg	0.50	0.19	1	10/22/15 08:07	10/24/15 10:52	7440-47-3	
Cobalt	7.4	mg/kg	0.50	0.097	1	10/22/15 08:07	10/24/15 10:52	7440-48-4	
Copper	48.6	mg/kg	1.0	0.16	1	10/22/15 08:07	10/24/15 10:52	7440-50-8	
Iron	17600	mg/kg	10.0	1.7	1	10/22/15 08:07	10/24/15 10:52	7439-89-6	
Lead	3.1	mg/kg	1.0	0.43	1	10/22/15 08:07	10/24/15 10:52	7439-92-1	
Magnesium	71600	mg/kg	501	27.2	5	10/22/15 08:07	10/25/15 11:01	7439-95-4	
Manganese	465	mg/kg	0.50	0.051	1	10/22/15 08:07	10/24/15 10:52	7439-96-5	
Nickel	10.6	mg/kg	1.0	0.13	1	10/22/15 08:07	10/24/15 10:52	7440-02-0	
Potassium	1000	mg/kg	100	8.2	1	10/22/15 08:07	10/24/15 10:52	7440-09-7	
Selenium	<0.77	mg/kg	2.0	0.77	1	10/22/15 08:07	10/24/15 10:52	7782-49-2	
Silver	<0.28	mg/kg	1.0	0.28	1	10/22/15 08:07	10/24/15 10:52	7440-22-4	
Sodium	369	mg/kg	100	3.9	1	10/22/15 08:07	10/24/15 10:52	7440-23-5	
Thallium	<0.82	mg/kg	4.0	0.82	1	10/22/15 08:07	10/24/15 10:52	7440-28-0	
Vanadium	56.3	mg/kg	1.0	0.20	1	10/22/15 08:07	10/24/15 10:52	7440-62-2	
Zinc	25.1	mg/kg	4.0	0.39	1	10/22/15 08:07	10/24/15 10:52	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Arsenic	<0.0029	mg/L	0.010	0.0029	1	10/28/15 06:51	10/29/15 03:57	7440-38-2	
Barium	0.0054J	mg/L	0.50	0.0033	1	10/28/15 06:51	10/29/15 03:57	7440-39-3	
Beryllium	<0.00031	mg/L	0.0040	0.00031	1	10/28/15 06:51	10/29/15 03:57	7440-41-7	
Cadmium	<0.00021	mg/L	0.0050	0.00021	1	10/28/15 06:51	10/29/15 03:57	7440-43-9	
Chromium	<0.0025	mg/L	0.010	0.0025	1	10/28/15 06:51	10/29/15 03:57	7440-47-3	
Cobalt	<0.00053	mg/L	0.010	0.00053	1	10/28/15 06:51	10/29/15 03:57	7440-48-4	
Copper	<0.0040	mg/L	0.010	0.0040	1	10/28/15 06:51	10/29/15 03:57	7440-50-8	
Iron	0.020J	mg/L	0.10	0.016	1	10/28/15 06:51	10/29/15 03:57	7439-89-6	
Lead	<0.0029	mg/L	0.010	0.0029	1	10/28/15 06:51	10/29/15 03:57	7439-92-1	
Manganese	<0.0010	mg/L	0.010	0.0010	1	10/28/15 06:51	10/29/15 03:57	7439-96-5	
Nickel	<0.00074	mg/L	0.010	0.00074	1	10/28/15 06:51	10/29/15 03:57	7440-02-0	
Selenium	<0.0033	mg/L	0.010	0.0033	1	10/28/15 06:51	10/29/15 03:57	7782-49-2	
Silver	<0.0033	mg/L	0.010	0.0033	1	10/28/15 06:51	10/29/15 03:57	7440-22-4	
Zinc	<0.0030	mg/L	0.020	0.0030	1	10/28/15 06:51	10/29/15 03:57	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/19/15 19:25

Arsenic	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/28/15 10:18	7440-38-2	
Barium	<0.25	mg/L	0.50	0.25	1	10/20/15 16:20	10/28/15 10:18	7440-39-3	
Beryllium	<0.0020	mg/L	0.0040	0.0020	1	10/20/15 16:20	10/28/15 10:18	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/20/15 16:20	10/28/15 10:18	7440-43-9	
Chromium	<0.0052	mg/L	0.010	0.0052	1	10/20/15 16:20	10/28/15 10:18	7440-47-3	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: AL2-4 (5-9)-101515 Lab ID: 40122963020 Collected: 10/15/15 14:40 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/19/15 19:25									
Cobalt	0.089	mg/L	0.010	0.0050	1	10/20/15 16:20	10/28/15 10:18	7440-48-4	
Copper	0.012	mg/L	0.010	0.0050	1	10/20/15 16:20	10/28/15 10:18	7440-50-8	
Iron	<0.050	mg/L	0.10	0.050	1	10/20/15 16:20	10/28/15 10:18	7439-89-6	
Lead	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/28/15 10:18	7439-92-1	
Manganese	4.9	mg/L	0.010	0.0050	1	10/20/15 16:20	10/28/15 10:18	7439-96-5	
Nickel	0.047	mg/L	0.010	0.0050	1	10/20/15 16:20	10/28/15 10:18	7440-02-0	
Selenium	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/28/15 10:18	7782-49-2	
Silver	<0.0050	mg/L	0.010	0.0050	1	10/20/15 16:20	10/28/15 10:18	7440-22-4	
Zinc	0.011J	mg/L	0.020	0.010	1	10/20/15 16:20	10/28/15 10:18	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/21/15 23:37	10/22/15 09:46	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/19/15 19:25									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/21/15 23:35	10/22/15 10:23	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	<0.0027	mg/kg	0.0099	0.0027	1	10/26/15 17:42	10/27/15 11:28	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<62.0	ug/kg	207	62.0	1	10/21/15 12:17	10/22/15 09:34	83-32-9	
Acenaphthylene	<62.4	ug/kg	208	62.4	1	10/21/15 12:17	10/22/15 09:34	208-96-8	
Anthracene	<28.0	ug/kg	93.2	28.0	1	10/21/15 12:17	10/22/15 09:34	120-12-7	
Benzo(a)anthracene	<27.1	ug/kg	90.3	27.1	1	10/21/15 12:17	10/22/15 09:34	56-55-3	
Benzo(a)pyrene	<26.3	ug/kg	87.7	26.3	1	10/21/15 12:17	10/22/15 09:34	50-32-8	
Benzo(b)fluoranthene	<30.0	ug/kg	100	30.0	1	10/21/15 12:17	10/22/15 09:34	205-99-2	
Benzo(g,h,i)perylene	<45.8	ug/kg	153	45.8	1	10/21/15 12:17	10/22/15 09:34	191-24-2	
Benzo(k)fluoranthene	<41.9	ug/kg	140	41.9	1	10/21/15 12:17	10/22/15 09:34	207-08-9	
4-Bromophenylphenyl ether	<36.6	ug/kg	122	36.6	1	10/21/15 12:17	10/22/15 09:34	101-55-3	
Butylbenzylphthalate	<28.0	ug/kg	93.5	28.0	1	10/21/15 12:17	10/22/15 09:34	85-68-7	
Carbazole	<27.4	ug/kg	91.3	27.4	1	10/21/15 12:17	10/22/15 09:34	86-74-8	
4-Chloro-3-methylphenol	<54.4	ug/kg	181	54.4	1	10/21/15 12:17	10/22/15 09:34	59-50-7	
4-Chloroaniline	<28.7	ug/kg	95.8	28.7	1	10/21/15 12:17	10/22/15 09:34	106-47-8	
bis(2-Chloroethoxy)methane	<47.1	ug/kg	157	47.1	1	10/21/15 12:17	10/22/15 09:34	111-91-1	
bis(2-Chloroethyl) ether	<54.6	ug/kg	182	54.6	1	10/21/15 12:17	10/22/15 09:34	111-44-4	
2-Chloronaphthalene	<22.5	ug/kg	74.8	22.5	1	10/21/15 12:17	10/22/15 09:34	91-58-7	
2-Chlorophenol	<43.6	ug/kg	145	43.6	1	10/21/15 12:17	10/22/15 09:34	95-57-8	
4-Chlorophenylphenyl ether	<32.6	ug/kg	109	32.6	1	10/21/15 12:17	10/22/15 09:34	7005-72-3	
Chrysene	<26.1	ug/kg	87.2	26.1	1	10/21/15 12:17	10/22/15 09:34	218-01-9	
Dibenz(a,h)anthracene	<47.5	ug/kg	158	47.5	1	10/21/15 12:17	10/22/15 09:34	53-70-3	
Dibenzofuran	<21.2	ug/kg	70.6	21.2	1	10/21/15 12:17	10/22/15 09:34	132-64-9	
1,2-Dichlorobenzene	<55.0	ug/kg	183	55.0	1	10/21/15 12:17	10/22/15 09:34	95-50-1	
1,3-Dichlorobenzene	<24.2	ug/kg	80.7	24.2	1	10/21/15 12:17	10/22/15 09:34	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: AL2-4 (5-9)-101515 **Lab ID: 40122963020** Collected: 10/15/15 14:40 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,4-Dichlorobenzene	<24.4	ug/kg	81.2	24.4	1	10/21/15 12:17	10/22/15 09:34	106-46-7	
3,3'-Dichlorobenzidine	<47.4	ug/kg	158	47.4	1	10/21/15 12:17	10/22/15 09:34	91-94-1	
2,4-Dichlorophenol	<46.7	ug/kg	156	46.7	1	10/21/15 12:17	10/22/15 09:34	120-83-2	
Diethylphthalate	<29.0	ug/kg	96.7	29.0	1	10/21/15 12:17	10/22/15 09:34	84-66-2	
2,4-Dimethylphenol	<34.6	ug/kg	115	34.6	1	10/21/15 12:17	10/22/15 09:34	105-67-9	
Dimethylphthalate	<22.7	ug/kg	75.8	22.7	1	10/21/15 12:17	10/22/15 09:34	131-11-3	
Di-n-butylphthalate	<26.1	ug/kg	87.1	26.1	1	10/21/15 12:17	10/22/15 09:34	84-74-2	
4,6-Dinitro-2-methylphenol	<53.9	ug/kg	180	53.9	1	10/21/15 12:17	10/22/15 09:34	534-52-1	
2,4-Dinitrophenol	<53.3	ug/kg	178	53.3	1	10/21/15 12:17	10/22/15 09:34	51-28-5	
2,4-Dinitrotoluene	<25.0	ug/kg	83.4	25.0	1	10/21/15 12:17	10/22/15 09:34	121-14-2	
2,6-Dinitrotoluene	<33.2	ug/kg	111	33.2	1	10/21/15 12:17	10/22/15 09:34	606-20-2	
Di-n-octylphthalate	<39.3	ug/kg	131	39.3	1	10/21/15 12:17	10/22/15 09:34	117-84-0	
bis(2-Ethylhexyl)phthalate	<29.1	ug/kg	96.9	29.1	1	10/21/15 12:17	10/22/15 09:34	117-81-7	
Fluoranthene	<24.7	ug/kg	82.5	24.7	1	10/21/15 12:17	10/22/15 09:34	206-44-0	
Fluorene	<20.4	ug/kg	68.1	20.4	1	10/21/15 12:17	10/22/15 09:34	86-73-7	
Hexachloro-1,3-butadiene	<44.6	ug/kg	149	44.6	1	10/21/15 12:17	10/22/15 09:34	87-68-3	
Hexachlorobenzene	<29.4	ug/kg	98.0	29.4	1	10/21/15 12:17	10/22/15 09:34	118-74-1	
Hexachlorocyclopentadiene	<41.4	ug/kg	138	41.4	1	10/21/15 12:17	10/22/15 09:34	77-47-4	
Hexachloroethane	<28.0	ug/kg	93.3	28.0	1	10/21/15 12:17	10/22/15 09:34	67-72-1	
Indeno(1,2,3-cd)pyrene	<37.8	ug/kg	126	37.8	1	10/21/15 12:17	10/22/15 09:34	193-39-5	
Isophorone	<26.9	ug/kg	89.6	26.9	1	10/21/15 12:17	10/22/15 09:34	78-59-1	
2-Methylnaphthalene	<45.4	ug/kg	151	45.4	1	10/21/15 12:17	10/22/15 09:34	91-57-6	
2-Methylphenol(o-Cresol)	<31.8	ug/kg	106	31.8	1	10/21/15 12:17	10/22/15 09:34	95-48-7	
3&4-Methylphenol(m&p Cresol)	<32.0	ug/kg	107	32.0	1	10/21/15 12:17	10/22/15 09:34		
Naphthalene	<61.1	ug/kg	204	61.1	1	10/21/15 12:17	10/22/15 09:34	91-20-3	
2-Nitroaniline	<49.8	ug/kg	166	49.8	1	10/21/15 12:17	10/22/15 09:34	88-74-4	
3-Nitroaniline	<29.7	ug/kg	99.1	29.7	1	10/21/15 12:17	10/22/15 09:34	99-09-2	
4-Nitroaniline	<72.6	ug/kg	242	72.6	1	10/21/15 12:17	10/22/15 09:34	100-01-6	
Nitrobenzene	<35.5	ug/kg	118	35.5	1	10/21/15 12:17	10/22/15 09:34	98-95-3	
2-Nitrophenol	<55.2	ug/kg	184	55.2	1	10/21/15 12:17	10/22/15 09:34	88-75-5	
4-Nitrophenol	<44.0	ug/kg	147	44.0	1	10/21/15 12:17	10/22/15 09:34	100-02-7	
N-Nitroso-di-n-propylamine	<27.7	ug/kg	92.4	27.7	1	10/21/15 12:17	10/22/15 09:34	621-64-7	
N-Nitrosodiphenylamine	<237	ug/kg	791	237	1	10/21/15 12:17	10/22/15 09:34	86-30-6	
2,2'-Oxybis(1-chloropropane)	<45.1	ug/kg	150	45.1	1	10/21/15 12:17	10/22/15 09:34	108-60-1	
Pentachlorophenol	<38.5	ug/kg	128	38.5	1	10/21/15 12:17	10/22/15 09:34	87-86-5	
Phenanthrene	<22.4	ug/kg	74.8	22.4	1	10/21/15 12:17	10/22/15 09:34	85-01-8	
Phenol	<41.5	ug/kg	138	41.5	1	10/21/15 12:17	10/22/15 09:34	108-95-2	
Pyrene	<38.8	ug/kg	129	38.8	1	10/21/15 12:17	10/22/15 09:34	129-00-0	
1,2,4-Trichlorobenzene	<19.8	ug/kg	65.9	19.8	1	10/21/15 12:17	10/22/15 09:34	120-82-1	
2,4,5-Trichlorophenol	<30.9	ug/kg	103	30.9	1	10/21/15 12:17	10/22/15 09:34	95-95-4	
2,4,6-Trichlorophenol	<26.7	ug/kg	88.9	26.7	1	10/21/15 12:17	10/22/15 09:34	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	69	%	45-130		1	10/21/15 12:17	10/22/15 09:34	4165-60-0	
2-Fluorobiphenyl (S)	63	%	51-130		1	10/21/15 12:17	10/22/15 09:34	321-60-8	
Terphenyl-d14 (S)	72	%	37-134		1	10/21/15 12:17	10/22/15 09:34	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: AL2-4 (5-9)-101515 **Lab ID: 40122963020** Collected: 10/15/15 14:40 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Phenol-d6 (S)	66	%	36-130		1	10/21/15 12:17	10/22/15 09:34	13127-88-3	
2-Fluorophenol (S)	63	%	37-130		1	10/21/15 12:17	10/22/15 09:34	367-12-4	
2,4,6-Tribromophenol (S)	68	%	30-130		1	10/21/15 12:17	10/22/15 09:34	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.3	ug/kg	13.7	4.3	1	10/20/15 12:00	10/20/15 17:45	67-64-1	2q
Benzene	<1.1	ug/kg	3.4	1.1	1	10/20/15 12:00	10/20/15 17:45	71-43-2	
Bromodichloromethane	<0.75	ug/kg	3.4	0.75	1	10/20/15 12:00	10/20/15 17:45	75-27-4	
Bromoform	<0.58	ug/kg	3.4	0.58	1	10/20/15 12:00	10/20/15 17:45	75-25-2	
Bromomethane	<1.0	ug/kg	6.9	1.0	1	10/20/15 12:00	10/20/15 17:45	74-83-9	
2-Butanone (MEK)	<1.9	ug/kg	13.7	1.9	1	10/20/15 12:00	10/20/15 17:45	78-93-3	
Carbon disulfide	<0.89	ug/kg	3.4	0.89	1	10/20/15 12:00	10/20/15 17:45	75-15-0	
Carbon tetrachloride	<1.1	ug/kg	3.4	1.1	1	10/20/15 12:00	10/20/15 17:45	56-23-5	
Chlorobenzene	<1.1	ug/kg	3.4	1.1	1	10/20/15 12:00	10/20/15 17:45	108-90-7	
Chloroethane	<1.4	ug/kg	3.4	1.4	1	10/20/15 12:00	10/20/15 17:45	75-00-3	
Chloroform	<0.65	ug/kg	3.4	0.65	1	10/20/15 12:00	10/20/15 17:45	67-66-3	
Chloromethane	<0.39	ug/kg	3.4	0.39	1	10/20/15 12:00	10/20/15 17:45	74-87-3	
Dibromochloromethane	<1.2	ug/kg	3.4	1.2	1	10/20/15 12:00	10/20/15 17:45	124-48-1	
1,1-Dichloroethane	<1.6	ug/kg	3.4	1.6	1	10/20/15 12:00	10/20/15 17:45	75-34-3	
1,2-Dichloroethane	<0.67	ug/kg	3.4	0.67	1	10/20/15 12:00	10/20/15 17:45	107-06-2	
1,1-Dichloroethene	<1.6	ug/kg	3.4	1.6	1	10/20/15 12:00	10/20/15 17:45	75-35-4	
cis-1,2-Dichloroethene	<0.91	ug/kg	3.4	0.91	1	10/20/15 12:00	10/20/15 17:45	156-59-2	
trans-1,2-Dichloroethene	<0.85	ug/kg	3.4	0.85	1	10/20/15 12:00	10/20/15 17:45	156-60-5	
1,2-Dichloropropane	<0.86	ug/kg	3.4	0.86	1	10/20/15 12:00	10/20/15 17:45	78-87-5	
cis-1,3-Dichloropropene	<0.46	ug/kg	3.4	0.46	1	10/20/15 12:00	10/20/15 17:45	10061-01-5	
trans-1,3-Dichloropropene	<0.63	ug/kg	3.4	0.63	1	10/20/15 12:00	10/20/15 17:45	10061-02-6	
Ethylbenzene	<0.99	ug/kg	3.4	0.99	1	10/20/15 12:00	10/20/15 17:45	100-41-4	
2-Hexanone	<1.0	ug/kg	3.4	1.0	1	10/20/15 12:00	10/20/15 17:45	591-78-6	
Methylene Chloride	<1.3	ug/kg	3.4	1.3	1	10/20/15 12:00	10/20/15 17:45	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	<0.84	ug/kg	3.4	0.84	1	10/20/15 12:00	10/20/15 17:45	108-10-1	
Methyl-tert-butyl ether	<0.69	ug/kg	3.4	0.69	1	10/20/15 12:00	10/20/15 17:45	1634-04-4	
Styrene	<0.52	ug/kg	3.4	0.52	1	10/20/15 12:00	10/20/15 17:45	100-42-5	
1,1,2,2-Tetrachloroethane	<1.4	ug/kg	3.4	1.4	1	10/20/15 12:00	10/20/15 17:45	79-34-5	
Tetrachloroethene	<1.1	ug/kg	3.4	1.1	1	10/20/15 12:00	10/20/15 17:45	127-18-4	
Toluene	<1.0	ug/kg	3.4	1.0	1	10/20/15 12:00	10/20/15 17:45	108-88-3	
1,1,1-Trichloroethane	<1.1	ug/kg	3.4	1.1	1	10/20/15 12:00	10/20/15 17:45	71-55-6	
1,1,2-Trichloroethane	<1.3	ug/kg	3.4	1.3	1	10/20/15 12:00	10/20/15 17:45	79-00-5	
Trichloroethene	<1.3	ug/kg	3.4	1.3	1	10/20/15 12:00	10/20/15 17:45	79-01-6	
Vinyl chloride	<0.37	ug/kg	3.4	0.37	1	10/20/15 12:00	10/20/15 17:45	75-01-4	
Xylene (Total)	<3.1	ug/kg	10.3	3.1	1	10/20/15 12:00	10/20/15 17:45	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	111	%	70-130		1	10/20/15 12:00	10/20/15 17:45	1868-53-7	
Toluene-d8 (S)	106	%	67-138		1	10/20/15 12:00	10/20/15 17:45	2037-26-5	
4-Bromofluorobenzene (S)	88	%	68-130		1	10/20/15 12:00	10/20/15 17:45	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122963

Sample: AL2-4 (5-9)-101515 **Lab ID: 40122963020** Collected: 10/15/15 14:40 Received: 10/16/15 08:42 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	4.6	%	0.10	0.10	1		10/16/15 18:14		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	8.43	Std. Units	0.100	0.0100	1		10/22/15 11:05		H6

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: **EDI**

Branch/Location:

Project Contact: **Dahic/Celia**

Phone:

Project Number: **0295020**

Project Name: **FATS**

Project State:

Sampled By (Print): **Celia Pomeroy**

Sampled By (Sign): *[Signature]*

PO #:

Regulatory Program:

Matrix Codes

Matrix Codes Legend:
 A = Air
 B = Biota
 C = Charcoal
 O = Oil
 S = Soil
 SI = Sludge
 W = Water
 DW = Drinking Water
 GW = Ground Water
 SW = Surface Water
 WP = Waste Water

Y/N	Pick Letter	Analyses Requested
		VOCs
		SVOCs
		Total Metals
		TCLP Metals
		SPLP Metals
		pH

Quote #:

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	PAGE PROJECT NO.
001	VL17-1(6-5)-101515	10/15/15	0850	Soil	Pranam Meghwal	10/15/15 15:52	Pranam Meghwal	10/15/15 19:52	
002	VL17-1(6-9)-101515	10/15/15	0900		Pranam Meghwal	10/15/15 17:30	Pranam Meghwal	10/15/15 19:52	
003	VL17-2(6-5)-101515		0920		Pranam Meghwal	10/15/15 08:30	Pranam Meghwal	10/15/15 08:30	
004	VL17-2(5-9)-101515		0920		Pranam Meghwal	10/15/15 08:30	Pranam Meghwal	10/15/15 08:30	
005	VL17-3(6-5)-101515		0945		Pranam Meghwal	10/15/15 08:30	Pranam Meghwal	10/15/15 08:30	
006	VL17-3(5-9)-101515		0955		Pranam Meghwal	10/15/15 08:30	Pranam Meghwal	10/15/15 08:30	
007	BP16-1(6-5)-101515		1020		Pranam Meghwal	10/15/15 08:30	Pranam Meghwal	10/15/15 08:30	
008	BP16-1(6-5)-101515		1025		Pranam Meghwal	10/15/15 08:30	Pranam Meghwal	10/15/15 08:30	
009	BP16-1(5-9)-101515		1040		Pranam Meghwal	10/15/15 08:30	Pranam Meghwal	10/15/15 08:30	
010	BP16-2(6-5)-101515		1005		Pranam Meghwal	10/15/15 08:30	Pranam Meghwal	10/15/15 08:30	
011	BP16-2(5-10)-161515		1115		Pranam Meghwal	10/15/15 08:30	Pranam Meghwal	10/15/15 08:30	
012	SR-14(6-4)-101515		1140		Pranam Meghwal	10/15/15 08:30	Pranam Meghwal	10/15/15 08:30	



UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

(Please Print Clearly)

Company Name: **EDI**

Branch/Location: **Patricia/Colin**

Project Contact: **Patricia/Colin**

Project Number: **0295.020**

Project Name: **PAISS**

Project State: **Clm PAISS**

Sampled By (Print): **Clm PAISS**

Sampled By (Sign): *[Signature]*

PO #: **Regulatory Program:**

Data Package Options (billable) EPA Level III EPA Level IV

MSMSD (billable) On your sample NOT needed on your sample

Matrix Codes: A=Air, B=Biota, C=Charcoal, O=Oil, S=Soil, SI=Sludge, W=Water, DW=Drinking Water, GW=Ground Water, SW=Surface Water, WP=Waste Water

PAGE LAB #	CLIENT FIELD ID	DATE	COLLECTION TIME	MATRIX	Analyses Requested
		DATE	TIME	MATRIX	
013	PG-2(10-7)-101515	10/15/15	1230	Soil	X VOCs X SVOCs X Total Metals X TCP Metals X Spec Metals X PH
014	PG-3(05)-101515	10/15/15	1240		X
015	PG-3(5-9)-101515	10/15/15	1250		X
016	PG-4(10-7)-101515	10/15/15	1310		X
017	AL2-5(6-5)-101515	10/15/15	1330		X
018	AL2-5(5-9)-101515	10/15/15	1340		X
019	AL2-4(6-5)-101515	10/15/15	1430		X
020	AL2-4(5-9)-101515	10/15/15	1440		X
021	AL1-2(6-4)-101515	10/15/15	1500		X
022	AL1-7(6-4)-101515	10/15/15	1505		X

CHAIN OF CUSTODY



Preservation Codes: A=None, B=HCL, C=H2SO4, D=HNO3, E=DI Water, F=Methanol, G=NaOH, H=Sodium Bisulfate Solution, I=Sodium Thiosulfate, J=Other

FILTERED? (YES/NO)
PRESERVATION (CODE)

Y / N
Pick Label

Y / N	Pick Label	Analyses Requested
		VOCs
		SVOCs
		Total Metals
		TCP Metals
		Spec Metals
		PH

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of 1
410122963

Quote #:

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

3-40mlv EEF 3-40mg

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)

Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:

Email #2:

Telephone:

Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Received By:

Received By:

Received By:

Received By:

Received By:

Received By:

Received By:

Received By:

Date/Time:

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Date/Time:

Date/Time:

Date/Time:

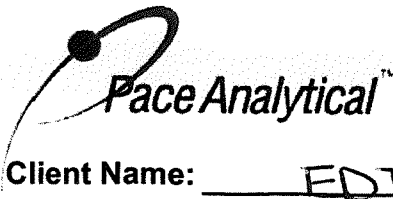
Date/Time:

PAGE Project No.

Receipt Temp = 3.0 °C

Sample Receipt pH OK / Adjusted

Coolant Custody Seal Present / Not Present Intact / Not Intact



Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Project #: WO#: 40122963

Client Name: EDT

Courier: Fed Ex UPS Client Pace Other: LS LOGISTICS



Custody Seal on Cooler/Box Present: X yes - no Seals intact: X yes - no

Custody Seal on Samples Present: yes X no Seals intact: yes - no

Packing Material: Bubble Wrap X Bubble Bags None Other

Thermometer Used SP104 Type of Ice: Wet Blue Dry None X Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 3.0 / Corr: 3.0 Biological Tissue is Frozen: yes

Temp Blank Present: X yes - no

Person examining contents:
Date: 10/16/15
Initials: TL

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows of checklist items for sample condition, including Chain of Custody, Short Hold Time Analysis, Containers Intact, and Trip Blank Present.

Client Notification/ Resolution:
Person Contacted: Date/Time:
Comments/ Resolution:

Project Manager Review: Date: 10/16/15



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAI 55: Interstate Route 55 at US Route 6 Office Phone Number, if available: _____

Physical Site Location (address, including number and street):

23147-23304 Manor Lane (ISGS Site No. 693V-28)

City: Channahon State: IL Zip Code: _____

County: Will Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.460831136 Longitude: -88.187029934
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: _____ BOL: _____ BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

Street Address: 201 West Center Court

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: Schaumburg State: IL

Zip Code: 60196-1096 Phone: 847-705-4101

Zip Code: 60196-1096 Phone: 847-705-4101

Contact: Sam Mead

Contact: Sam Mead

Email, if available: Sam.Mead@illinois.gov

Email, if available: Sam.Mead@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAI 55: Interstate Route 55 at US Route 6Latitude: 41.460831136 Longitude: -88.187029934Uncontaminated Site Certification**III. Basis for Certification and Attachments**

For each item listed below, reference the attachments to this form that provide the required information.

- a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a):

LOCATIONS R-1 AND R-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 693V-28. SEE FIGURE 3-3 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

- b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

PACE ANALYTICAL REPORT - JOB ID: 40122890
ALSO SEE FIGURE 4-3 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, William F. Karlovitz, P.E. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Weston Solutions, Inc.
Street Address: 300 Circle Plaza; Suite 202
City: Mundelein State: IL Zip Code: 60060
Phone: (224) 864-7200

William F. Karlovitz, P.E.

Printed Name:



Licensed Professional Engineer or
Licensed Professional Geologist Signature:

14 Dec. 2015

Date:



P.E. or L.P.G. Seal:

Summary Table of ISGS Site No. 693V-28
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	R-1 (0-5)-101415	R-1 (0-5)-101415D	R-1 (5-9)-101415	R-2 (0-5)-101415	R-2 (5-9)-101415	Soil Reference Concentrations ^A
Sample Date	10/14/2015	10/14/2015	10/14/2015	10/14/2015	10/14/2015	
Location ID	R-1	R-1	R-1	R-2	R-2	
Depth	0 - 5	0 - 5	5 - 9	0 - 5	5 - 9	
Lab Sample ID	40122890036	40122890037	40122890038	40122890034	40122890035	
Location Code	693V-28	693V-28	693V-28	693V-28	693V-28	
Parameter						
Laboratory pH	8.82 J	8.89 J	8.95 J	8.28 J	8.6 J	<6.25, >9.0
VOCs (ug/kg)						
Acetone	ND	ND	5.2 J	ND	ND	25000
Methyl ethyl ketone	ND	ND	ND	ND	ND	---
Toluene	ND	ND	ND	ND	ND	12000
SVOCs (ug/kg)						
Benzo(a)pyrene	38.9 J	111	64.7 J	61 J	57.3 J	90 / 1300 / 2100
Total Metals (mg/kg)						
Arsenic, Total	7.3 J	3.7 J	1.9	6.7	2.6	11.3 / 13.0
Barium, Total	44.2 J	112 J	26.6	50.5	15.7	1500
Beryllium, Total	0.31 J	0.16 J	ND	0.32 J	0.064 J	22
Cadmium, Total	0.39 J	0.36 J	0.14 J	0.38 J	0.12 J	5.2
Calcium, Total	51800	97400	156000	41000	101000	---
Chromium, Total	17	13.7	7.9	12.8	10.4	21
Cobalt, Total	7.1	5.2	1.9	6.7	3.1	20
Copper, Total	23.2	19.9	12.4	19.5	26.1	2900
Iron, Total	17200	10400	6380	15100	7140	15000 / 15900
Lead, Total	45.2	72.1	5.7	31.2	6.4	107
Magnesium, Total	32900	52100	89600	25900	59500	325000
Manganese, Total	393	319	237	450	236	630 / 636
Mercury, Total	0.031	0.025	ND	0.031	ND	0.89
Nickel, Total	13.7	10.8	3.9 J	12.3	6	100
Potassium, Total	793	646	373	912	421	---
Selenium, Total	0.3 J	0.57 J	0.46 J	0.53 J	0.49 J	1.3
Sodium, Total	1490	1190	358	476	234	---
Thallium, Total	ND	ND	ND	ND	ND	2.6
Vanadium, Total	25.2	15.2	7.2	22.7	11.7	550
Zinc, Total	57.1	57.3	32.5	57	29.7	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	0.0056 J	ND	ND	0.0053 J	ND	0.05
Barium, TCLP	ND	ND	ND	ND	ND	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	0.00063 J	0.0011 J	ND	0.00073 J	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	0.0021 J	1
Copper, TCLP	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	0.01 J	ND	ND	ND	0.0075
Manganese, TCLP	0.68	0.48	ND	0.28	0.89	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.0038 J	0.0059 J	ND	0.0031 J	0.0068 J	0.1
Selenium, TCLP	0.0062 J	0.006 J	ND	ND	0.0057 J	0.05
Silver, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	ND	ND	ND	ND	5
SPLP Metals (mg/l)						
Arsenic, SPLP	0.022	0.014	ND	0.0071 J	ND	0.05
Barium, SPLP	0.18 J	0.14 J	ND	0.26	ND	2
Beryllium, SPLP	0.0008 J	0.00041 J	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.03	0.019	0.0019 J	0.012	0.005 J	0.1
Cobalt, SPLP	0.011	0.0065 J	ND	0.0039 J	0.00087 J	1
Copper, SPLP	0.046	0.03	0.0066 J	0.018	0.0095 J	0.65
Iron, SPLP	36.4 J	21.3 J	0.92	14	4.5	5
Lead, SPLP	0.043	0.033	0.00094 J	0.018	0.0072	0.0075
Manganese, SPLP	0.42 J	0.25 J	0.0098 J	0.23	0.055	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	0.03 J	0.018 J	0.00067 J	0.012 J	0.004 J	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.12	0.082	ND	0.083	ND	5

Summary Table of ISGS Site No. 693V-28
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Notes:

--- - not applicable or value not available.

^A - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.


B - Constituent detected in the blank and investigative sample.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

J+ - Estimated concentration, biased high.

 Shaded values indicate concentration **exceeds** Reference Concentration.

November 05, 2015

Patricia Feeley, P.G.
Environmental Design International Inc.
33 West Monroe Street
Suite 1825
Chicago, IL 606035326

RE: Project: 0295.020 FAI 55
Pace Project No.: 40122890

Dear Patricia Feeley, P.G.:

Enclosed are the analytical results for sample(s) received by the laboratory on October 15, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Brian Basten for
Laurie Woelfel
laurie.woelfel@pacelabs.com
Project Manager

Enclosures

cc: Andrew Dorn, Environmental Design
Colin Pannier, Environmental Design



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0295.020 FAI 55
Pace Project No.: 40122890

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

New Orleans Certification IDs

California Env. Lab Accreditation Program Branch:
11277CA
Florida Department of Health (NELAC): E87595
Illinois Environmental Protection Agency: 0025721
Kansas Department of Health and Environment (NELAC):
E-10266
Louisiana Dept. of Environmental Quality (NELAC/LELAP):
02006

Pennsylvania Dept. of Env Protection (NELAC): 68-04202
Texas Commission on Env. Quality (NELAC):
T104704405-09-TX
U.S. Dept. of Agriculture Foreign Soil Import: P330-10-
00119

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263

North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP ID: 460263
Virginia VELAP Certification ID: 460263
Wisconsin Certification #: 405132750

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #E-10177
Kentucky UST Certification #: 0042
Kentucky WW Certification #:98019
Louisiana Certification #: 04076

Ohio VAP Certification #: CL-0065
Oklahoma Certification #: 2014-148
Texas Certification #: T104704355-15-9
West Virginia Certification #: 330
Wisconsin Certification #: 999788130
USDA Soil Permit #: P330-10-00128

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
WY STR Certification #: 2456.01
Arkansas Certification #: 15-016-0

Illinois Certification #: 003097
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: R-2 (0-5)-101415 Lab ID: 40122890034 Collected: 10/14/15 10:25 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.11	mg/kg	3.2	0.11	1	10/19/15 14:14	10/21/15 22:49	7440-36-0	
Arsenic	6.7	mg/kg	1.1	0.29	1	10/19/15 14:14	10/21/15 22:49	7440-38-2	
Barium	50.5	mg/kg	21.1	0.27	1	10/19/15 14:14	10/21/15 22:49	7440-39-3	
Beryllium	0.32J	mg/kg	0.53	0.083	1	10/19/15 14:14	10/21/15 22:49	7440-41-7	
Cadmium	0.38J	mg/kg	0.53	0.067	1	10/19/15 14:14	10/21/15 22:49	7440-43-9	
Calcium	41000	mg/kg	105	2.8	1	10/19/15 14:14	10/21/15 22:49	7440-70-2	
Chromium	12.8	mg/kg	1.1	0.32	1	10/19/15 14:14	10/21/15 22:49	7440-47-3	
Cobalt	6.7	mg/kg	1.1	0.14	1	10/19/15 14:14	10/21/15 22:49	7440-48-4	
Copper	19.5	mg/kg	1.1	0.39	1	10/19/15 14:14	10/21/15 22:49	7440-50-8	
Iron	15100	mg/kg	5.3	0.81	1	10/19/15 14:14	10/21/15 22:49	7439-89-6	
Lead	31.2	mg/kg	0.53	0.29	1	10/19/15 14:14	10/21/15 22:49	7439-92-1	
Magnesium	25900	mg/kg	105	3.0	1	10/19/15 14:14	10/21/15 22:49	7439-95-4	
Manganese	450	mg/kg	1.1	0.20	1	10/19/15 14:14	10/21/15 22:49	7439-96-5	
Nickel	12.3	mg/kg	4.2	1.1	1	10/19/15 14:14	10/21/15 22:49	7440-02-0	
Potassium	912	mg/kg	105	3.3	1	10/19/15 14:14	10/21/15 22:49	7440-09-7	
Selenium	0.53J	mg/kg	2.1	0.22	1	10/19/15 14:14	10/21/15 22:49	7782-49-2	
Silver	<0.075	mg/kg	1.1	0.075	1	10/19/15 14:14	10/21/15 22:49	7440-22-4	
Sodium	476	mg/kg	105	17.7	1	10/19/15 14:14	10/21/15 22:49	7440-23-5	
Thallium	<0.16	mg/kg	0.53	0.16	1	10/19/15 14:14	10/21/15 22:49	7440-28-0	
Vanadium	22.7	mg/kg	5.3	0.33	1	10/19/15 14:14	10/21/15 22:49	7440-62-2	
Zinc	57.0	mg/kg	2.1	0.49	1	10/19/15 14:14	10/21/15 22:49	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/18/15 11:00

Arsenic	0.0071J	mg/L	0.010	0.0026	1	10/20/15 07:44	10/21/15 12:35	7440-38-2	
Barium	0.26	mg/L	0.20	0.0037	1	10/20/15 07:44	10/21/15 12:35	7440-39-3	
Beryllium	<0.00025	mg/L	0.0050	0.00025	1	10/20/15 07:44	10/21/15 12:35	7440-41-7	
Cadmium	<0.00027	mg/L	0.0050	0.00027	1	10/20/15 07:44	10/21/15 12:35	7440-43-9	
Chromium	0.012	mg/L	0.010	0.0018	1	10/20/15 07:44	10/21/15 12:35	7440-47-3	
Cobalt	0.0039J	mg/L	0.010	0.00050	1	10/20/15 07:44	10/21/15 12:35	7440-48-4	
Copper	0.018	mg/L	0.010	0.0024	1	10/20/15 07:44	10/21/15 12:35	7440-50-8	
Iron	14.0	mg/L	0.050	0.0073	1	10/20/15 07:44	10/21/15 12:35	7439-89-6	
Lead	0.018	mg/L	0.0050	0.00084	1	10/20/15 07:44	10/21/15 12:35	7439-92-1	
Manganese	0.23	mg/L	0.010	0.00065	1	10/20/15 07:44	10/21/15 12:35	7439-96-5	
Nickel	0.012J	mg/L	0.040	0.00041	1	10/20/15 07:44	10/21/15 12:35	7440-02-0	
Selenium	<0.0024	mg/L	0.020	0.0024	1	10/20/15 07:44	10/21/15 12:35	7782-49-2	
Silver	<0.00032	mg/L	0.010	0.00032	1	10/20/15 07:44	10/21/15 12:35	7440-22-4	
Zinc	0.083	mg/L	0.020	0.00076	1	10/20/15 07:44	10/21/15 12:35	7440-66-6	

6010 Metals, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/21/15 17:00

Arsenic	0.0053J	mg/L	0.20	0.0053	1	10/22/15 12:12	10/22/15 17:28	7440-38-2	
Barium	0.35J	mg/L	2.0	0.0010	1	10/22/15 12:12	10/22/15 17:28	7440-39-3	B
Beryllium	<0.00050	mg/L	0.20	0.00050	1	10/22/15 12:12	10/22/15 17:28	7440-41-7	
Cadmium	0.00073J	mg/L	0.10	0.00054	1	10/22/15 12:12	10/22/15 17:28	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: R-2 (0-5)-101415 **Lab ID: 40122890034** Collected: 10/14/15 10:25 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Chromium	<0.0037	mg/L	0.20	0.0037	1	10/22/15 12:12	10/22/15 17:28	7440-47-3	
Cobalt	<0.0010	mg/L	0.20	0.0010	1	10/22/15 12:12	10/22/15 17:28	7440-48-4	
Copper	0.0073J	mg/L	0.20	0.0048	1	10/22/15 12:12	10/22/15 17:28	7440-50-8	B
Iron	<0.015	mg/L	1.0	0.015	1	10/22/15 12:12	10/22/15 17:28	7439-89-6	
Lead	<0.0017	mg/L	0.20	0.0017	1	10/22/15 12:12	10/22/15 17:28	7439-92-1	
Manganese	0.28	mg/L	0.13	0.0013	1	10/22/15 12:12	10/22/15 17:28	7439-96-5	
Nickel	0.0031J	mg/L	0.20	0.00082	1	10/22/15 12:12	10/22/15 17:28	7440-02-0	
Selenium	<0.0049	mg/L	0.20	0.0049	1	10/22/15 12:12	10/22/15 17:28	7782-49-2	
Silver	<0.00065	mg/L	0.20	0.00065	1	10/22/15 12:12	10/22/15 17:28	7440-22-4	
Zinc	0.056J	mg/L	0.20	0.0015	1	10/22/15 12:12	10/22/15 17:28	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/18/15 11:00									
Mercury	<0.000024	mg/L	0.00020	0.000024	1	10/20/15 07:58	10/21/15 11:10	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Mercury	<0.000024	mg/L	0.00020	0.000024	1	10/22/15 12:12	10/22/15 16:22	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.031	mg/kg	0.020	0.0099	1	10/19/15 15:05	10/20/15 14:43	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<68.6	ug/kg	229	68.6	1	10/21/15 08:58	10/22/15 12:58	83-32-9	
Acenaphthylene	<69.0	ug/kg	230	69.0	1	10/21/15 08:58	10/22/15 12:58	208-96-8	
Anthracene	<30.9	ug/kg	103	30.9	1	10/21/15 08:58	10/22/15 12:58	120-12-7	
Benzo(a)anthracene	40.7J	ug/kg	99.8	29.9	1	10/21/15 08:58	10/22/15 12:58	56-55-3	
Benzo(a)pyrene	61.0J	ug/kg	97.0	29.1	1	10/21/15 08:58	10/22/15 12:58	50-32-8	
Benzo(b)fluoranthene	52.7J	ug/kg	111	33.2	1	10/21/15 08:58	10/22/15 12:58	205-99-2	
Benzo(g,h,i)perylene	54.8J	ug/kg	169	50.6	1	10/21/15 08:58	10/22/15 12:58	191-24-2	
Benzo(k)fluoranthene	62.9J	ug/kg	154	46.3	1	10/21/15 08:58	10/22/15 12:58	207-08-9	
4-Bromophenylphenyl ether	<40.5	ug/kg	135	40.5	1	10/21/15 08:58	10/22/15 12:58	101-55-3	
Butylbenzylphthalate	<31.0	ug/kg	103	31.0	1	10/21/15 08:58	10/22/15 12:58	85-68-7	
Carbazole	<30.3	ug/kg	101	30.3	1	10/21/15 08:58	10/22/15 12:58	86-74-8	
4-Chloro-3-methylphenol	<60.1	ug/kg	200	60.1	1	10/21/15 08:58	10/22/15 12:58	59-50-7	
4-Chloroaniline	<31.8	ug/kg	106	31.8	1	10/21/15 08:58	10/22/15 12:58	106-47-8	
bis(2-Chloroethoxy)methane	<52.1	ug/kg	174	52.1	1	10/21/15 08:58	10/22/15 12:58	111-91-1	
bis(2-Chloroethyl) ether	<60.3	ug/kg	201	60.3	1	10/21/15 08:58	10/22/15 12:58	111-44-4	
2-Chloronaphthalene	<24.8	ug/kg	82.7	24.8	1	10/21/15 08:58	10/22/15 12:58	91-58-7	
2-Chlorophenol	<48.2	ug/kg	161	48.2	1	10/21/15 08:58	10/22/15 12:58	95-57-8	
4-Chlorophenylphenyl ether	<36.0	ug/kg	120	36.0	1	10/21/15 08:58	10/22/15 12:58	7005-72-3	
Chrysene	52.4J	ug/kg	96.3	28.9	1	10/21/15 08:58	10/22/15 12:58	218-01-9	
Dibenz(a,h)anthracene	<52.5	ug/kg	175	52.5	1	10/21/15 08:58	10/22/15 12:58	53-70-3	
Dibenzofuran	<23.4	ug/kg	78.0	23.4	1	10/21/15 08:58	10/22/15 12:58	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: R-2 (0-5)-101415 **Lab ID: 40122890034** Collected: 10/14/15 10:25 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<60.8	ug/kg	203	60.8	1	10/21/15 08:58	10/22/15 12:58	95-50-1	
1,3-Dichlorobenzene	<26.8	ug/kg	89.2	26.8	1	10/21/15 08:58	10/22/15 12:58	541-73-1	
1,4-Dichlorobenzene	<26.9	ug/kg	89.8	26.9	1	10/21/15 08:58	10/22/15 12:58	106-46-7	
3,3'-Dichlorobenzidine	<52.4	ug/kg	175	52.4	1	10/21/15 08:58	10/22/15 12:58	91-94-1	
2,4-Dichlorophenol	<51.7	ug/kg	172	51.7	1	10/21/15 08:58	10/22/15 12:58	120-83-2	
Diethylphthalate	<32.1	ug/kg	107	32.1	1	10/21/15 08:58	10/22/15 12:58	84-66-2	
2,4-Dimethylphenol	<38.2	ug/kg	127	38.2	1	10/21/15 08:58	10/22/15 12:58	105-67-9	
Dimethylphthalate	<25.1	ug/kg	83.8	25.1	1	10/21/15 08:58	10/22/15 12:58	131-11-3	
Di-n-butylphthalate	<28.9	ug/kg	96.3	28.9	1	10/21/15 08:58	10/22/15 12:58	84-74-2	
4,6-Dinitro-2-methylphenol	<59.6	ug/kg	199	59.6	1	10/21/15 08:58	10/22/15 12:58	534-52-1	
2,4-Dinitrophenol	<58.9	ug/kg	196	58.9	1	10/21/15 08:58	10/22/15 12:58	51-28-5	
2,4-Dinitrotoluene	<27.6	ug/kg	92.2	27.6	1	10/21/15 08:58	10/22/15 12:58	121-14-2	
2,6-Dinitrotoluene	<36.7	ug/kg	122	36.7	1	10/21/15 08:58	10/22/15 12:58	606-20-2	
Di-n-octylphthalate	<43.5	ug/kg	145	43.5	1	10/21/15 08:58	10/22/15 12:58	117-84-0	
bis(2-Ethylhexyl)phthalate	<32.1	ug/kg	107	32.1	1	10/21/15 08:58	10/22/15 12:58	117-81-7	
Fluoranthene	63.2J	ug/kg	91.2	27.4	1	10/21/15 08:58	10/22/15 12:58	206-44-0	
Fluorene	<22.6	ug/kg	75.3	22.6	1	10/21/15 08:58	10/22/15 12:58	86-73-7	
Hexachloro-1,3-butadiene	<49.2	ug/kg	164	49.2	1	10/21/15 08:58	10/22/15 12:58	87-68-3	
Hexachlorobenzene	<32.5	ug/kg	108	32.5	1	10/21/15 08:58	10/22/15 12:58	118-74-1	
Hexachlorocyclopentadiene	<45.7	ug/kg	152	45.7	1	10/21/15 08:58	10/22/15 12:58	77-47-4	
Hexachloroethane	<30.9	ug/kg	103	30.9	1	10/21/15 08:58	10/22/15 12:58	67-72-1	
Indeno(1,2,3-cd)pyrene	61.8J	ug/kg	139	41.8	1	10/21/15 08:58	10/22/15 12:58	193-39-5	
Isophorone	<29.7	ug/kg	99.1	29.7	1	10/21/15 08:58	10/22/15 12:58	78-59-1	
2-Methylnaphthalene	<50.2	ug/kg	167	50.2	1	10/21/15 08:58	10/22/15 12:58	91-57-6	
2-Methylphenol(o-Cresol)	<35.1	ug/kg	117	35.1	1	10/21/15 08:58	10/22/15 12:58	95-48-7	
3&4-Methylphenol(m&p Cresol)	<35.4	ug/kg	118	35.4	1	10/21/15 08:58	10/22/15 12:58		
Naphthalene	<67.6	ug/kg	225	67.6	1	10/21/15 08:58	10/22/15 12:58	91-20-3	
2-Nitroaniline	<55.1	ug/kg	184	55.1	1	10/21/15 08:58	10/22/15 12:58	88-74-4	
3-Nitroaniline	<32.9	ug/kg	110	32.9	1	10/21/15 08:58	10/22/15 12:58	99-09-2	
4-Nitroaniline	<80.2	ug/kg	267	80.2	1	10/21/15 08:58	10/22/15 12:58	100-01-6	
Nitrobenzene	<39.2	ug/kg	131	39.2	1	10/21/15 08:58	10/22/15 12:58	98-95-3	
2-Nitrophenol	<61.0	ug/kg	203	61.0	1	10/21/15 08:58	10/22/15 12:58	88-75-5	
4-Nitrophenol	<48.7	ug/kg	162	48.7	1	10/21/15 08:58	10/22/15 12:58	100-02-7	
N-Nitroso-di-n-propylamine	<30.7	ug/kg	102	30.7	1	10/21/15 08:58	10/22/15 12:58	621-64-7	
N-Nitrosodiphenylamine	<262	ug/kg	874	262	1	10/21/15 08:58	10/22/15 12:58	86-30-6	
2,2'-Oxybis(1-chloropropane)	<49.9	ug/kg	166	49.9	1	10/21/15 08:58	10/22/15 12:58	108-60-1	
Pentachlorophenol	<42.6	ug/kg	142	42.6	1	10/21/15 08:58	10/22/15 12:58	87-86-5	
Phenanthrene	55.4J	ug/kg	82.7	24.8	1	10/21/15 08:58	10/22/15 12:58	85-01-8	
Phenol	<45.9	ug/kg	153	45.9	1	10/21/15 08:58	10/22/15 12:58	108-95-2	
Pyrene	106J	ug/kg	143	42.8	1	10/21/15 08:58	10/22/15 12:58	129-00-0	
1,2,4-Trichlorobenzene	<21.9	ug/kg	72.8	21.9	1	10/21/15 08:58	10/22/15 12:58	120-82-1	
2,4,5-Trichlorophenol	<34.1	ug/kg	114	34.1	1	10/21/15 08:58	10/22/15 12:58	95-95-4	
2,4,6-Trichlorophenol	<29.5	ug/kg	98.2	29.5	1	10/21/15 08:58	10/22/15 12:58	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	58	%	45-130		1	10/21/15 08:58	10/22/15 12:58	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: R-2 (0-5)-101415 **Lab ID: 40122890034** Collected: 10/14/15 10:25 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	72	%	51-130		1	10/21/15 08:58	10/22/15 12:58	321-60-8	
Terphenyl-d14 (S)	158	%	37-134		1	10/21/15 08:58	10/22/15 12:58	1718-51-0	S3
Phenol-d6 (S)	74	%	36-130		1	10/21/15 08:58	10/22/15 12:58	13127-88-3	
2-Fluorophenol (S)	54	%	37-130		1	10/21/15 08:58	10/22/15 12:58	367-12-4	
2,4,6-Tribromophenol (S)	86	%	30-130		1	10/21/15 08:58	10/22/15 12:58	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.1	ug/kg	13.2	4.1	1	10/19/15 12:00	10/19/15 14:00	67-64-1	2q
Benzene	<1.1	ug/kg	3.3	1.1	1	10/19/15 12:00	10/19/15 14:00	71-43-2	
Bromodichloromethane	<0.72	ug/kg	3.3	0.72	1	10/19/15 12:00	10/19/15 14:00	75-27-4	
Bromoform	<0.56	ug/kg	3.3	0.56	1	10/19/15 12:00	10/19/15 14:00	75-25-2	
Bromomethane	<0.99	ug/kg	6.6	0.99	1	10/19/15 12:00	10/19/15 14:00	74-83-9	
2-Butanone (MEK)	<1.9	ug/kg	13.2	1.9	1	10/19/15 12:00	10/19/15 14:00	78-93-3	
Carbon disulfide	<0.85	ug/kg	3.3	0.85	1	10/19/15 12:00	10/19/15 14:00	75-15-0	
Carbon tetrachloride	<1.0	ug/kg	3.3	1.0	1	10/19/15 12:00	10/19/15 14:00	56-23-5	
Chlorobenzene	<1.0	ug/kg	3.3	1.0	1	10/19/15 12:00	10/19/15 14:00	108-90-7	
Chloroethane	<1.3	ug/kg	3.3	1.3	1	10/19/15 12:00	10/19/15 14:00	75-00-3	
Chloroform	<0.63	ug/kg	3.3	0.63	1	10/19/15 12:00	10/19/15 14:00	67-66-3	
Chloromethane	<0.37	ug/kg	3.3	0.37	1	10/19/15 12:00	10/19/15 14:00	74-87-3	
Dibromochloromethane	<1.1	ug/kg	3.3	1.1	1	10/19/15 12:00	10/19/15 14:00	124-48-1	
1,1-Dichloroethane	<1.6	ug/kg	3.3	1.6	1	10/19/15 12:00	10/19/15 14:00	75-34-3	
1,2-Dichloroethane	<0.65	ug/kg	3.3	0.65	1	10/19/15 12:00	10/19/15 14:00	107-06-2	
1,1-Dichloroethene	<1.5	ug/kg	3.3	1.5	1	10/19/15 12:00	10/19/15 14:00	75-35-4	
cis-1,2-Dichloroethene	<0.88	ug/kg	3.3	0.88	1	10/19/15 12:00	10/19/15 14:00	156-59-2	
trans-1,2-Dichloroethene	<0.82	ug/kg	3.3	0.82	1	10/19/15 12:00	10/19/15 14:00	156-60-5	
1,2-Dichloropropane	<0.83	ug/kg	3.3	0.83	1	10/19/15 12:00	10/19/15 14:00	78-87-5	
cis-1,3-Dichloropropene	<0.44	ug/kg	3.3	0.44	1	10/19/15 12:00	10/19/15 14:00	10061-01-5	
trans-1,3-Dichloropropene	<0.61	ug/kg	3.3	0.61	1	10/19/15 12:00	10/19/15 14:00	10061-02-6	
Ethylbenzene	<0.95	ug/kg	3.3	0.95	1	10/19/15 12:00	10/19/15 14:00	100-41-4	
2-Hexanone	<0.98	ug/kg	3.3	0.98	1	10/19/15 12:00	10/19/15 14:00	591-78-6	
Methylene Chloride	<1.2	ug/kg	3.3	1.2	1	10/19/15 12:00	10/19/15 14:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.81	ug/kg	3.3	0.81	1	10/19/15 12:00	10/19/15 14:00	108-10-1	
Methyl-tert-butyl ether	<0.66	ug/kg	3.3	0.66	1	10/19/15 12:00	10/19/15 14:00	1634-04-4	
Styrene	<0.50	ug/kg	3.3	0.50	1	10/19/15 12:00	10/19/15 14:00	100-42-5	
1,1,2,2-Tetrachloroethane	<1.4	ug/kg	3.3	1.4	1	10/19/15 12:00	10/19/15 14:00	79-34-5	
Tetrachloroethene	<1.0	ug/kg	3.3	1.0	1	10/19/15 12:00	10/19/15 14:00	127-18-4	
Toluene	<0.98	ug/kg	3.3	0.98	1	10/19/15 12:00	10/19/15 14:00	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/kg	3.3	1.0	1	10/19/15 12:00	10/19/15 14:00	71-55-6	
1,1,2-Trichloroethane	<1.3	ug/kg	3.3	1.3	1	10/19/15 12:00	10/19/15 14:00	79-00-5	
Trichloroethene	<1.3	ug/kg	3.3	1.3	1	10/19/15 12:00	10/19/15 14:00	79-01-6	
Vinyl chloride	<0.36	ug/kg	3.3	0.36	1	10/19/15 12:00	10/19/15 14:00	75-01-4	
Xylene (Total)	<3.0	ug/kg	9.9	3.0	1	10/19/15 12:00	10/19/15 14:00	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	106	%	70-130		1	10/19/15 12:00	10/19/15 14:00	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: R-2 (0-5)-101415 **Lab ID: 40122890034** Collected: 10/14/15 10:25 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	102	%	67-138		1	10/19/15 12:00	10/19/15 14:00	2037-26-5	
4-Bromofluorobenzene (S)	93	%	68-130		1	10/19/15 12:00	10/19/15 14:00	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	13.7	%	0.10	0.10	1		10/15/15 18:09		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	8.28	Std. Units	0.100	0.0100	1		10/19/15 11:45		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: R-2 (5-9)-101415 Lab ID: 40122890035 Collected: 10/14/15 10:35 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.078	mg/kg	2.3	0.078	1	10/19/15 14:14	10/21/15 22:52	7440-36-0	
Arsenic	2.6	mg/kg	0.78	0.21	1	10/19/15 14:14	10/21/15 22:52	7440-38-2	
Barium	15.7	mg/kg	15.5	0.20	1	10/19/15 14:14	10/21/15 22:52	7440-39-3	
Beryllium	0.064J	mg/kg	0.39	0.061	1	10/19/15 14:14	10/21/15 22:52	7440-41-7	
Cadmium	0.12J	mg/kg	0.39	0.050	1	10/19/15 14:14	10/21/15 22:52	7440-43-9	
Calcium	101000	mg/kg	775	20.7	10	10/19/15 14:14	10/22/15 13:44	7440-70-2	
Chromium	10.4	mg/kg	0.78	0.23	1	10/19/15 14:14	10/21/15 22:52	7440-47-3	
Cobalt	3.1	mg/kg	0.78	0.10	1	10/19/15 14:14	10/21/15 22:52	7440-48-4	
Copper	26.1	mg/kg	0.78	0.29	1	10/19/15 14:14	10/21/15 22:52	7440-50-8	
Iron	7140	mg/kg	3.9	0.60	1	10/19/15 14:14	10/21/15 22:52	7439-89-6	
Lead	6.4	mg/kg	0.39	0.21	1	10/19/15 14:14	10/21/15 22:52	7439-92-1	
Magnesium	59500	mg/kg	775	22.2	10	10/19/15 14:14	10/22/15 13:44	7439-95-4	
Manganese	236	mg/kg	0.78	0.14	1	10/19/15 14:14	10/21/15 22:52	7439-96-5	
Nickel	6.0	mg/kg	3.1	0.82	1	10/19/15 14:14	10/21/15 22:52	7440-02-0	
Potassium	421	mg/kg	77.5	2.4	1	10/19/15 14:14	10/21/15 22:52	7440-09-7	
Selenium	0.49J	mg/kg	1.6	0.16	1	10/19/15 14:14	10/21/15 22:52	7782-49-2	
Silver	<0.055	mg/kg	0.78	0.055	1	10/19/15 14:14	10/21/15 22:52	7440-22-4	
Sodium	234	mg/kg	77.5	13.0	1	10/19/15 14:14	10/21/15 22:52	7440-23-5	
Thallium	<0.11	mg/kg	0.39	0.11	1	10/19/15 14:14	10/21/15 22:52	7440-28-0	
Vanadium	11.7	mg/kg	3.9	0.24	1	10/19/15 14:14	10/21/15 22:52	7440-62-2	
Zinc	29.7	mg/kg	1.6	0.36	1	10/19/15 14:14	10/21/15 22:52	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/18/15 11:00

Arsenic	<0.0026	mg/L	0.010	0.0026	1	10/20/15 07:44	10/21/15 12:39	7440-38-2	
Barium	0.072J	mg/L	0.20	0.0037	1	10/20/15 07:44	10/21/15 12:39	7440-39-3	B
Beryllium	<0.00025	mg/L	0.0050	0.00025	1	10/20/15 07:44	10/21/15 12:39	7440-41-7	
Cadmium	<0.00027	mg/L	0.0050	0.00027	1	10/20/15 07:44	10/21/15 12:39	7440-43-9	
Chromium	0.0050J	mg/L	0.010	0.0018	1	10/20/15 07:44	10/21/15 12:39	7440-47-3	
Cobalt	0.00087J	mg/L	0.010	0.00050	1	10/20/15 07:44	10/21/15 12:39	7440-48-4	
Copper	0.0095J	mg/L	0.010	0.0024	1	10/20/15 07:44	10/21/15 12:39	7440-50-8	
Iron	4.5	mg/L	0.050	0.0073	1	10/20/15 07:44	10/21/15 12:39	7439-89-6	
Lead	0.0072	mg/L	0.0050	0.00084	1	10/20/15 07:44	10/21/15 12:39	7439-92-1	
Manganese	0.055	mg/L	0.010	0.00065	1	10/20/15 07:44	10/21/15 12:39	7439-96-5	
Nickel	0.0040J	mg/L	0.040	0.00041	1	10/20/15 07:44	10/21/15 12:39	7440-02-0	
Selenium	<0.0024	mg/L	0.020	0.0024	1	10/20/15 07:44	10/21/15 12:39	7782-49-2	
Silver	<0.00032	mg/L	0.010	0.00032	1	10/20/15 07:44	10/21/15 12:39	7440-22-4	
Zinc	0.026	mg/L	0.020	0.00076	1	10/20/15 07:44	10/21/15 12:39	7440-66-6	B

6010 Metals, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/21/15 17:00

Arsenic	<0.0053	mg/L	0.20	0.0053	1	10/22/15 12:12	10/22/15 17:32	7440-38-2	
Barium	0.24J	mg/L	2.0	0.0010	1	10/22/15 12:12	10/22/15 17:32	7440-39-3	B
Beryllium	<0.00050	mg/L	0.20	0.00050	1	10/22/15 12:12	10/22/15 17:32	7440-41-7	
Cadmium	<0.00054	mg/L	0.10	0.00054	1	10/22/15 12:12	10/22/15 17:32	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: R-2 (5-9)-101415 Lab ID: 40122890035 Collected: 10/14/15 10:35 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Chromium	<0.0037	mg/L	0.20	0.0037	1	10/22/15 12:12	10/22/15 17:32	7440-47-3	
Cobalt	0.0021J	mg/L	0.20	0.0010	1	10/22/15 12:12	10/22/15 17:32	7440-48-4	
Copper	0.0074J	mg/L	0.20	0.0048	1	10/22/15 12:12	10/22/15 17:32	7440-50-8	B
Iron	<0.015	mg/L	1.0	0.015	1	10/22/15 12:12	10/22/15 17:32	7439-89-6	
Lead	<0.0017	mg/L	0.20	0.0017	1	10/22/15 12:12	10/22/15 17:32	7439-92-1	
Manganese	0.89	mg/L	0.13	0.0013	1	10/22/15 12:12	10/22/15 17:32	7439-96-5	
Nickel	0.0068J	mg/L	0.20	0.00082	1	10/22/15 12:12	10/22/15 17:32	7440-02-0	
Selenium	0.0057J	mg/L	0.20	0.0049	1	10/22/15 12:12	10/22/15 17:32	7782-49-2	
Silver	<0.00065	mg/L	0.20	0.00065	1	10/22/15 12:12	10/22/15 17:32	7440-22-4	
Zinc	0.050J	mg/L	0.20	0.0015	1	10/22/15 12:12	10/22/15 17:32	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/18/15 11:00									
Mercury	0.000040J	mg/L	0.00020	0.000024	1	10/20/15 07:58	10/21/15 11:12	7439-97-6	B
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Mercury	<0.000024	mg/L	0.00020	0.000024	1	10/22/15 12:12	10/22/15 16:24	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	<0.011	mg/kg	0.021	0.011	1	10/19/15 15:05	10/20/15 14:45	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<62.4	ug/kg	208	62.4	1	10/21/15 08:58	10/22/15 13:31	83-32-9	
Acenaphthylene	<62.8	ug/kg	209	62.8	1	10/21/15 08:58	10/22/15 13:31	208-96-8	
Anthracene	<28.1	ug/kg	93.7	28.1	1	10/21/15 08:58	10/22/15 13:31	120-12-7	
Benzo(a)anthracene	36.8J	ug/kg	90.8	27.2	1	10/21/15 08:58	10/22/15 13:31	56-55-3	
Benzo(a)pyrene	57.3J	ug/kg	88.2	26.5	1	10/21/15 08:58	10/22/15 13:31	50-32-8	
Benzo(b)fluoranthene	54.5J	ug/kg	101	30.2	1	10/21/15 08:58	10/22/15 13:31	205-99-2	
Benzo(g,h,i)perylene	65.8J	ug/kg	153	46.0	1	10/21/15 08:58	10/22/15 13:31	191-24-2	
Benzo(k)fluoranthene	<42.1	ug/kg	140	42.1	1	10/21/15 08:58	10/22/15 13:31	207-08-9	
4-Bromophenylphenyl ether	<36.8	ug/kg	123	36.8	1	10/21/15 08:58	10/22/15 13:31	101-55-3	
Butylbenzylphthalate	<28.2	ug/kg	94.0	28.2	1	10/21/15 08:58	10/22/15 13:31	85-68-7	
Carbazole	<27.5	ug/kg	91.8	27.5	1	10/21/15 08:58	10/22/15 13:31	86-74-8	
4-Chloro-3-methylphenol	<54.7	ug/kg	182	54.7	1	10/21/15 08:58	10/22/15 13:31	59-50-7	
4-Chloroaniline	<28.9	ug/kg	96.4	28.9	1	10/21/15 08:58	10/22/15 13:31	106-47-8	
bis(2-Chloroethoxy)methane	<47.4	ug/kg	158	47.4	1	10/21/15 08:58	10/22/15 13:31	111-91-1	
bis(2-Chloroethyl) ether	<54.9	ug/kg	183	54.9	1	10/21/15 08:58	10/22/15 13:31	111-44-4	
2-Chloronaphthalene	<22.6	ug/kg	75.3	22.6	1	10/21/15 08:58	10/22/15 13:31	91-58-7	
2-Chlorophenol	<43.9	ug/kg	146	43.9	1	10/21/15 08:58	10/22/15 13:31	95-57-8	
4-Chlorophenylphenyl ether	<32.8	ug/kg	109	32.8	1	10/21/15 08:58	10/22/15 13:31	7005-72-3	
Chrysene	49.9J	ug/kg	87.7	26.3	1	10/21/15 08:58	10/22/15 13:31	218-01-9	
Dibenz(a,h)anthracene	<47.8	ug/kg	159	47.8	1	10/21/15 08:58	10/22/15 13:31	53-70-3	
Dibenzofuran	<21.3	ug/kg	71.0	21.3	1	10/21/15 08:58	10/22/15 13:31	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: R-2 (5-9)-101415 **Lab ID: 40122890035** Collected: 10/14/15 10:35 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<55.3	ug/kg	184	55.3	1	10/21/15 08:58	10/22/15 13:31	95-50-1	
1,3-Dichlorobenzene	<24.4	ug/kg	81.2	24.4	1	10/21/15 08:58	10/22/15 13:31	541-73-1	
1,4-Dichlorobenzene	<24.5	ug/kg	81.7	24.5	1	10/21/15 08:58	10/22/15 13:31	106-46-7	
3,3'-Dichlorobenzidine	<47.7	ug/kg	159	47.7	1	10/21/15 08:58	10/22/15 13:31	91-94-1	
2,4-Dichlorophenol	<47.0	ug/kg	157	47.0	1	10/21/15 08:58	10/22/15 13:31	120-83-2	
Diethylphthalate	<29.2	ug/kg	97.2	29.2	1	10/21/15 08:58	10/22/15 13:31	84-66-2	
2,4-Dimethylphenol	<34.8	ug/kg	116	34.8	1	10/21/15 08:58	10/22/15 13:31	105-67-9	
Dimethylphthalate	<22.9	ug/kg	76.3	22.9	1	10/21/15 08:58	10/22/15 13:31	131-11-3	
Di-n-butylphthalate	<26.3	ug/kg	87.7	26.3	1	10/21/15 08:58	10/22/15 13:31	84-74-2	
4,6-Dinitro-2-methylphenol	<54.2	ug/kg	181	54.2	1	10/21/15 08:58	10/22/15 13:31	534-52-1	
2,4-Dinitrophenol	<53.6	ug/kg	179	53.6	1	10/21/15 08:58	10/22/15 13:31	51-28-5	
2,4-Dinitrotoluene	<25.2	ug/kg	83.9	25.2	1	10/21/15 08:58	10/22/15 13:31	121-14-2	
2,6-Dinitrotoluene	<33.4	ug/kg	111	33.4	1	10/21/15 08:58	10/22/15 13:31	606-20-2	
Di-n-octylphthalate	<39.6	ug/kg	132	39.6	1	10/21/15 08:58	10/22/15 13:31	117-84-0	
bis(2-Ethylhexyl)phthalate	<29.3	ug/kg	97.5	29.3	1	10/21/15 08:58	10/22/15 13:31	117-81-7	
Fluoranthene	41.7J	ug/kg	83.0	24.9	1	10/21/15 08:58	10/22/15 13:31	206-44-0	
Fluorene	<20.6	ug/kg	68.5	20.6	1	10/21/15 08:58	10/22/15 13:31	86-73-7	
Hexachloro-1,3-butadiene	<44.8	ug/kg	149	44.8	1	10/21/15 08:58	10/22/15 13:31	87-68-3	
Hexachlorobenzene	<29.6	ug/kg	98.6	29.6	1	10/21/15 08:58	10/22/15 13:31	118-74-1	
Hexachlorocyclopentadiene	<41.6	ug/kg	139	41.6	1	10/21/15 08:58	10/22/15 13:31	77-47-4	
Hexachloroethane	<28.2	ug/kg	93.9	28.2	1	10/21/15 08:58	10/22/15 13:31	67-72-1	
Indeno(1,2,3-cd)pyrene	59.6J	ug/kg	127	38.1	1	10/21/15 08:58	10/22/15 13:31	193-39-5	
Isophorone	<27.0	ug/kg	90.2	27.0	1	10/21/15 08:58	10/22/15 13:31	78-59-1	
2-Methylnaphthalene	<45.7	ug/kg	152	45.7	1	10/21/15 08:58	10/22/15 13:31	91-57-6	
2-Methylphenol(o-Cresol)	<32.0	ug/kg	107	32.0	1	10/21/15 08:58	10/22/15 13:31	95-48-7	
3&4-Methylphenol(m&p Cresol)	<32.2	ug/kg	107	32.2	1	10/21/15 08:58	10/22/15 13:31		
Naphthalene	<61.5	ug/kg	205	61.5	1	10/21/15 08:58	10/22/15 13:31	91-20-3	
2-Nitroaniline	<50.1	ug/kg	167	50.1	1	10/21/15 08:58	10/22/15 13:31	88-74-4	
3-Nitroaniline	<29.9	ug/kg	99.7	29.9	1	10/21/15 08:58	10/22/15 13:31	99-09-2	
4-Nitroaniline	<73.0	ug/kg	243	73.0	1	10/21/15 08:58	10/22/15 13:31	100-01-6	
Nitrobenzene	<35.7	ug/kg	119	35.7	1	10/21/15 08:58	10/22/15 13:31	98-95-3	
2-Nitrophenol	<55.5	ug/kg	185	55.5	1	10/21/15 08:58	10/22/15 13:31	88-75-5	
4-Nitrophenol	<44.3	ug/kg	148	44.3	1	10/21/15 08:58	10/22/15 13:31	100-02-7	
N-Nitroso-di-n-propylamine	<27.9	ug/kg	93.0	27.9	1	10/21/15 08:58	10/22/15 13:31	621-64-7	
N-Nitrosodiphenylamine	<239	ug/kg	796	239	1	10/21/15 08:58	10/22/15 13:31	86-30-6	
2,2'-Oxybis(1-chloropropane)	<45.4	ug/kg	151	45.4	1	10/21/15 08:58	10/22/15 13:31	108-60-1	
Pentachlorophenol	<38.7	ug/kg	129	38.7	1	10/21/15 08:58	10/22/15 13:31	87-86-5	
Phenanthrene	38.0J	ug/kg	75.2	22.6	1	10/21/15 08:58	10/22/15 13:31	85-01-8	
Phenol	<41.8	ug/kg	139	41.8	1	10/21/15 08:58	10/22/15 13:31	108-95-2	
Pyrene	97.0J	ug/kg	130	39.0	1	10/21/15 08:58	10/22/15 13:31	129-00-0	
1,2,4-Trichlorobenzene	<19.9	ug/kg	66.3	19.9	1	10/21/15 08:58	10/22/15 13:31	120-82-1	
2,4,5-Trichlorophenol	<31.1	ug/kg	104	31.1	1	10/21/15 08:58	10/22/15 13:31	95-95-4	
2,4,6-Trichlorophenol	<26.8	ug/kg	89.4	26.8	1	10/21/15 08:58	10/22/15 13:31	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	55	%	45-130		1	10/21/15 08:58	10/22/15 13:31	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: R-2 (5-9)-101415 **Lab ID: 40122890035** Collected: 10/14/15 10:35 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

2-Fluorobiphenyl (S)	68	%	51-130		1	10/21/15 08:58	10/22/15 13:31	321-60-8	
Terphenyl-d14 (S)	160	%	37-134		1	10/21/15 08:58	10/22/15 13:31	1718-51-0	S3
Phenol-d6 (S)	72	%	36-130		1	10/21/15 08:58	10/22/15 13:31	13127-88-3	
2-Fluorophenol (S)	51	%	37-130		1	10/21/15 08:58	10/22/15 13:31	367-12-4	
2,4,6-Tribromophenol (S)	82	%	30-130		1	10/21/15 08:58	10/22/15 13:31	118-79-6	

8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260

Acetone	<4.5	ug/kg	14.5	4.5	1	10/19/15 12:00	10/19/15 14:23	67-64-1	2q
Benzene	<1.2	ug/kg	3.6	1.2	1	10/19/15 12:00	10/19/15 14:23	71-43-2	
Bromodichloromethane	<0.79	ug/kg	3.6	0.79	1	10/19/15 12:00	10/19/15 14:23	75-27-4	
Bromoform	<0.61	ug/kg	3.6	0.61	1	10/19/15 12:00	10/19/15 14:23	75-25-2	
Bromomethane	<1.1	ug/kg	7.2	1.1	1	10/19/15 12:00	10/19/15 14:23	74-83-9	
2-Butanone (MEK)	<2.1	ug/kg	14.5	2.1	1	10/19/15 12:00	10/19/15 14:23	78-93-3	
Carbon disulfide	<0.93	ug/kg	3.6	0.93	1	10/19/15 12:00	10/19/15 14:23	75-15-0	
Carbon tetrachloride	<1.1	ug/kg	3.6	1.1	1	10/19/15 12:00	10/19/15 14:23	56-23-5	
Chlorobenzene	<1.1	ug/kg	3.6	1.1	1	10/19/15 12:00	10/19/15 14:23	108-90-7	
Chloroethane	<1.5	ug/kg	3.6	1.5	1	10/19/15 12:00	10/19/15 14:23	75-00-3	
Chloroform	<0.68	ug/kg	3.6	0.68	1	10/19/15 12:00	10/19/15 14:23	67-66-3	
Chloromethane	<0.41	ug/kg	3.6	0.41	1	10/19/15 12:00	10/19/15 14:23	74-87-3	
Dibromochloromethane	<1.2	ug/kg	3.6	1.2	1	10/19/15 12:00	10/19/15 14:23	124-48-1	
1,1-Dichloroethane	<1.7	ug/kg	3.6	1.7	1	10/19/15 12:00	10/19/15 14:23	75-34-3	
1,2-Dichloroethane	<0.71	ug/kg	3.6	0.71	1	10/19/15 12:00	10/19/15 14:23	107-06-2	
1,1-Dichloroethene	<1.6	ug/kg	3.6	1.6	1	10/19/15 12:00	10/19/15 14:23	75-35-4	
cis-1,2-Dichloroethene	<0.96	ug/kg	3.6	0.96	1	10/19/15 12:00	10/19/15 14:23	156-59-2	
trans-1,2-Dichloroethene	<0.89	ug/kg	3.6	0.89	1	10/19/15 12:00	10/19/15 14:23	156-60-5	
1,2-Dichloropropane	<0.91	ug/kg	3.6	0.91	1	10/19/15 12:00	10/19/15 14:23	78-87-5	
cis-1,3-Dichloropropene	<0.48	ug/kg	3.6	0.48	1	10/19/15 12:00	10/19/15 14:23	10061-01-5	
trans-1,3-Dichloropropene	<0.67	ug/kg	3.6	0.67	1	10/19/15 12:00	10/19/15 14:23	10061-02-6	
Ethylbenzene	<1.0	ug/kg	3.6	1.0	1	10/19/15 12:00	10/19/15 14:23	100-41-4	
2-Hexanone	<1.1	ug/kg	3.6	1.1	1	10/19/15 12:00	10/19/15 14:23	591-78-6	
Methylene Chloride	<1.3	ug/kg	3.6	1.3	1	10/19/15 12:00	10/19/15 14:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.89	ug/kg	3.6	0.89	1	10/19/15 12:00	10/19/15 14:23	108-10-1	
Methyl-tert-butyl ether	<0.72	ug/kg	3.6	0.72	1	10/19/15 12:00	10/19/15 14:23	1634-04-4	
Styrene	<0.55	ug/kg	3.6	0.55	1	10/19/15 12:00	10/19/15 14:23	100-42-5	
1,1,2,2-Tetrachloroethane	<1.5	ug/kg	3.6	1.5	1	10/19/15 12:00	10/19/15 14:23	79-34-5	
Tetrachloroethene	<1.1	ug/kg	3.6	1.1	1	10/19/15 12:00	10/19/15 14:23	127-18-4	
Toluene	<1.1	ug/kg	3.6	1.1	1	10/19/15 12:00	10/19/15 14:23	108-88-3	
1,1,1-Trichloroethane	<1.1	ug/kg	3.6	1.1	1	10/19/15 12:00	10/19/15 14:23	71-55-6	
1,1,2-Trichloroethane	<1.4	ug/kg	3.6	1.4	1	10/19/15 12:00	10/19/15 14:23	79-00-5	
Trichloroethene	<1.4	ug/kg	3.6	1.4	1	10/19/15 12:00	10/19/15 14:23	79-01-6	
Vinyl chloride	<0.39	ug/kg	3.6	0.39	1	10/19/15 12:00	10/19/15 14:23	75-01-4	
Xylene (Total)	<3.2	ug/kg	10.8	3.2	1	10/19/15 12:00	10/19/15 14:23	1330-20-7	

Surrogates

Dibromofluoromethane (S)	104	%	70-130		1	10/19/15 12:00	10/19/15 14:23	1868-53-7	
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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: R-2 (5-9)-101415 **Lab ID: 40122890035** Collected: 10/14/15 10:35 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	110	%	67-138		1	10/19/15 12:00	10/19/15 14:23	2037-26-5	
4-Bromofluorobenzene (S)	81	%	68-130		1	10/19/15 12:00	10/19/15 14:23	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	5.1	%	0.10	0.10	1		10/15/15 18:10		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.60	Std. Units	0.100	0.0100	1		10/19/15 11:45		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: R-1 (0-5)-101415 Lab ID: 40122890036 Collected: 10/14/15 10:50 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.11	mg/kg	3.2	0.11	1	10/19/15 14:14	10/21/15 22:56	7440-36-0	
Arsenic	7.3	mg/kg	1.1	0.30	1	10/19/15 14:14	10/21/15 22:56	7440-38-2	
Barium	44.2	mg/kg	21.5	0.28	1	10/19/15 14:14	10/21/15 22:56	7440-39-3	
Beryllium	0.31J	mg/kg	0.54	0.085	1	10/19/15 14:14	10/21/15 22:56	7440-41-7	
Cadmium	0.39J	mg/kg	0.54	0.069	1	10/19/15 14:14	10/21/15 22:56	7440-43-9	
Calcium	51800	mg/kg	108	2.9	1	10/19/15 14:14	10/21/15 22:56	7440-70-2	
Chromium	17.0	mg/kg	1.1	0.33	1	10/19/15 14:14	10/21/15 22:56	7440-47-3	
Cobalt	7.1	mg/kg	1.1	0.14	1	10/19/15 14:14	10/21/15 22:56	7440-48-4	
Copper	23.2	mg/kg	1.1	0.40	1	10/19/15 14:14	10/21/15 22:56	7440-50-8	
Iron	17200	mg/kg	5.4	0.83	1	10/19/15 14:14	10/21/15 22:56	7439-89-6	
Lead	45.2	mg/kg	0.54	0.30	1	10/19/15 14:14	10/21/15 22:56	7439-92-1	
Magnesium	32900	mg/kg	108	3.1	1	10/19/15 14:14	10/21/15 22:56	7439-95-4	
Manganese	393	mg/kg	1.1	0.20	1	10/19/15 14:14	10/21/15 22:56	7439-96-5	
Nickel	13.7	mg/kg	4.3	1.1	1	10/19/15 14:14	10/21/15 22:56	7440-02-0	
Potassium	793	mg/kg	108	3.4	1	10/19/15 14:14	10/21/15 22:56	7440-09-7	
Selenium	0.30J	mg/kg	2.2	0.22	1	10/19/15 14:14	10/21/15 22:56	7782-49-2	
Silver	<0.076	mg/kg	1.1	0.076	1	10/19/15 14:14	10/21/15 22:56	7440-22-4	
Sodium	1490	mg/kg	108	18.1	1	10/19/15 14:14	10/21/15 22:56	7440-23-5	
Thallium	<0.16	mg/kg	0.54	0.16	1	10/19/15 14:14	10/21/15 22:56	7440-28-0	
Vanadium	25.2	mg/kg	5.4	0.33	1	10/19/15 14:14	10/21/15 22:56	7440-62-2	
Zinc	57.1	mg/kg	2.2	0.50	1	10/19/15 14:14	10/21/15 22:56	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/18/15 11:00

Arsenic	0.022	mg/L	0.010	0.0026	1	10/20/15 07:44	10/21/15 12:43	7440-38-2	
Barium	0.18J	mg/L	0.20	0.0037	1	10/20/15 07:44	10/21/15 12:43	7440-39-3	
Beryllium	0.00080J	mg/L	0.0050	0.00025	1	10/20/15 07:44	10/21/15 12:43	7440-41-7	
Cadmium	<0.00027	mg/L	0.0050	0.00027	1	10/20/15 07:44	10/21/15 12:43	7440-43-9	
Chromium	0.030	mg/L	0.010	0.0018	1	10/20/15 07:44	10/21/15 12:43	7440-47-3	
Cobalt	0.011	mg/L	0.010	0.00050	1	10/20/15 07:44	10/21/15 12:43	7440-48-4	
Copper	0.046	mg/L	0.010	0.0024	1	10/20/15 07:44	10/21/15 12:43	7440-50-8	
Iron	36.4	mg/L	0.050	0.0073	1	10/20/15 07:44	10/21/15 12:43	7439-89-6	
Lead	0.043	mg/L	0.0050	0.00084	1	10/20/15 07:44	10/21/15 12:43	7439-92-1	
Manganese	0.42	mg/L	0.010	0.00065	1	10/20/15 07:44	10/21/15 12:43	7439-96-5	
Nickel	0.030J	mg/L	0.040	0.00041	1	10/20/15 07:44	10/21/15 12:43	7440-02-0	
Selenium	<0.0024	mg/L	0.020	0.0024	1	10/20/15 07:44	10/21/15 12:43	7782-49-2	
Silver	<0.00032	mg/L	0.010	0.00032	1	10/20/15 07:44	10/21/15 12:43	7440-22-4	
Zinc	0.12	mg/L	0.020	0.00076	1	10/20/15 07:44	10/21/15 12:43	7440-66-6	

6010 Metals, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/21/15 17:00

Arsenic	0.0056J	mg/L	0.20	0.0053	1	10/22/15 12:12	10/22/15 17:36	7440-38-2	
Barium	0.24J	mg/L	2.0	0.0010	1	10/22/15 12:12	10/22/15 17:36	7440-39-3	B
Beryllium	<0.00050	mg/L	0.20	0.00050	1	10/22/15 12:12	10/22/15 17:36	7440-41-7	
Cadmium	0.00063J	mg/L	0.10	0.00054	1	10/22/15 12:12	10/22/15 17:36	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: R-1 (0-5)-101415 **Lab ID: 40122890036** Collected: 10/14/15 10:50 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Chromium	<0.0037	mg/L	0.20	0.0037	1	10/22/15 12:12	10/22/15 17:36	7440-47-3	
Cobalt	<0.0010	mg/L	0.20	0.0010	1	10/22/15 12:12	10/22/15 17:36	7440-48-4	
Copper	0.0060J	mg/L	0.20	0.0048	1	10/22/15 12:12	10/22/15 17:36	7440-50-8	B
Iron	<0.015	mg/L	1.0	0.015	1	10/22/15 12:12	10/22/15 17:36	7439-89-6	
Lead	<0.0017	mg/L	0.20	0.0017	1	10/22/15 12:12	10/22/15 17:36	7439-92-1	
Manganese	0.68	mg/L	0.13	0.0013	1	10/22/15 12:12	10/22/15 17:36	7439-96-5	
Nickel	0.0038J	mg/L	0.20	0.00082	1	10/22/15 12:12	10/22/15 17:36	7440-02-0	
Selenium	0.0062J	mg/L	0.20	0.0049	1	10/22/15 12:12	10/22/15 17:36	7782-49-2	
Silver	<0.00065	mg/L	0.20	0.00065	1	10/22/15 12:12	10/22/15 17:36	7440-22-4	
Zinc	0.049J	mg/L	0.20	0.0015	1	10/22/15 12:12	10/22/15 17:36	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/18/15 11:00									
Mercury	0.000060J	mg/L	0.00020	0.000024	1	10/20/15 07:58	10/21/15 11:14	7439-97-6	B
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Mercury	<0.000024	mg/L	0.00020	0.000024	1	10/22/15 12:12	10/22/15 16:26	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.031	mg/kg	0.017	0.0087	1	10/19/15 15:05	10/20/15 14:51	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<68.8	ug/kg	229	68.8	1	10/21/15 10:17	10/22/15 14:03	83-32-9	
Acenaphthylene	<69.2	ug/kg	231	69.2	1	10/21/15 10:17	10/22/15 14:03	208-96-8	
Anthracene	<31.0	ug/kg	103	31.0	1	10/21/15 10:17	10/22/15 14:03	120-12-7	
Benzo(a)anthracene	<30.0	ug/kg	100	30.0	1	10/21/15 10:17	10/22/15 14:03	56-55-3	
Benzo(a)pyrene	38.9J	ug/kg	97.3	29.2	1	10/21/15 10:17	10/22/15 14:03	50-32-8	
Benzo(b)fluoranthene	50.2J	ug/kg	111	33.3	1	10/21/15 10:17	10/22/15 14:03	205-99-2	
Benzo(g,h,i)perylene	<50.8	ug/kg	169	50.8	1	10/21/15 10:17	10/22/15 14:03	191-24-2	
Benzo(k)fluoranthene	<46.5	ug/kg	155	46.5	1	10/21/15 10:17	10/22/15 14:03	207-08-9	
4-Bromophenylphenyl ether	<40.6	ug/kg	135	40.6	1	10/21/15 10:17	10/22/15 14:03	101-55-3	
Butylbenzylphthalate	<31.1	ug/kg	104	31.1	1	10/21/15 10:17	10/22/15 14:03	85-68-7	
Carbazole	<30.4	ug/kg	101	30.4	1	10/21/15 10:17	10/22/15 14:03	86-74-8	
4-Chloro-3-methylphenol	<60.4	ug/kg	201	60.4	1	10/21/15 10:17	10/22/15 14:03	59-50-7	
4-Chloroaniline	<31.9	ug/kg	106	31.9	1	10/21/15 10:17	10/22/15 14:03	106-47-8	
bis(2-Chloroethoxy)methane	<52.2	ug/kg	174	52.2	1	10/21/15 10:17	10/22/15 14:03	111-91-1	
bis(2-Chloroethyl) ether	<60.6	ug/kg	202	60.6	1	10/21/15 10:17	10/22/15 14:03	111-44-4	
2-Chloronaphthalene	<24.9	ug/kg	83.0	24.9	1	10/21/15 10:17	10/22/15 14:03	91-58-7	
2-Chlorophenol	<48.4	ug/kg	161	48.4	1	10/21/15 10:17	10/22/15 14:03	95-57-8	
4-Chlorophenylphenyl ether	<36.1	ug/kg	120	36.1	1	10/21/15 10:17	10/22/15 14:03	7005-72-3	
Chrysene	31.6J	ug/kg	96.7	29.0	1	10/21/15 10:17	10/22/15 14:03	218-01-9	
Dibenz(a,h)anthracene	<52.7	ug/kg	176	52.7	1	10/21/15 10:17	10/22/15 14:03	53-70-3	
Dibenzofuran	<23.5	ug/kg	78.3	23.5	1	10/21/15 10:17	10/22/15 14:03	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: R-1 (0-5)-101415 **Lab ID: 40122890036** Collected: 10/14/15 10:50 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<61.0	ug/kg	203	61.0	1	10/21/15 10:17	10/22/15 14:03	95-50-1	
1,3-Dichlorobenzene	<26.9	ug/kg	89.6	26.9	1	10/21/15 10:17	10/22/15 14:03	541-73-1	
1,4-Dichlorobenzene	<27.0	ug/kg	90.1	27.0	1	10/21/15 10:17	10/22/15 14:03	106-46-7	
3,3'-Dichlorobenzidine	<52.6	ug/kg	175	52.6	1	10/21/15 10:17	10/22/15 14:03	91-94-1	
2,4-Dichlorophenol	<51.8	ug/kg	173	51.8	1	10/21/15 10:17	10/22/15 14:03	120-83-2	
Diethylphthalate	<32.2	ug/kg	107	32.2	1	10/21/15 10:17	10/22/15 14:03	84-66-2	
2,4-Dimethylphenol	<38.4	ug/kg	128	38.4	1	10/21/15 10:17	10/22/15 14:03	105-67-9	
Dimethylphthalate	<25.2	ug/kg	84.1	25.2	1	10/21/15 10:17	10/22/15 14:03	131-11-3	
Di-n-butylphthalate	<29.0	ug/kg	96.7	29.0	1	10/21/15 10:17	10/22/15 14:03	84-74-2	
4,6-Dinitro-2-methylphenol	<59.8	ug/kg	199	59.8	1	10/21/15 10:17	10/22/15 14:03	534-52-1	
2,4-Dinitrophenol	<59.1	ug/kg	197	59.1	1	10/21/15 10:17	10/22/15 14:03	51-28-5	
2,4-Dinitrotoluene	<27.7	ug/kg	92.5	27.7	1	10/21/15 10:17	10/22/15 14:03	121-14-2	
2,6-Dinitrotoluene	<36.8	ug/kg	123	36.8	1	10/21/15 10:17	10/22/15 14:03	606-20-2	
Di-n-octylphthalate	<43.6	ug/kg	145	43.6	1	10/21/15 10:17	10/22/15 14:03	117-84-0	
bis(2-Ethylhexyl)phthalate	<32.3	ug/kg	108	32.3	1	10/21/15 10:17	10/22/15 14:03	117-81-7	
Fluoranthene	<27.5	ug/kg	91.5	27.5	1	10/21/15 10:17	10/22/15 14:03	206-44-0	
Fluorene	<22.7	ug/kg	75.6	22.7	1	10/21/15 10:17	10/22/15 14:03	86-73-7	
Hexachloro-1,3-butadiene	<49.4	ug/kg	165	49.4	1	10/21/15 10:17	10/22/15 14:03	87-68-3	
Hexachlorobenzene	<32.6	ug/kg	109	32.6	1	10/21/15 10:17	10/22/15 14:03	118-74-1	
Hexachlorocyclopentadiene	<45.9	ug/kg	153	45.9	1	10/21/15 10:17	10/22/15 14:03	77-47-4	
Hexachloroethane	<31.0	ug/kg	103	31.0	1	10/21/15 10:17	10/22/15 14:03	67-72-1	
Indeno(1,2,3-cd)pyrene	<42.0	ug/kg	140	42.0	1	10/21/15 10:17	10/22/15 14:03	193-39-5	
Isophorone	<29.8	ug/kg	99.4	29.8	1	10/21/15 10:17	10/22/15 14:03	78-59-1	
2-Methylnaphthalene	<50.4	ug/kg	168	50.4	1	10/21/15 10:17	10/22/15 14:03	91-57-6	
2-Methylphenol(o-Cresol)	<35.2	ug/kg	117	35.2	1	10/21/15 10:17	10/22/15 14:03	95-48-7	
3&4-Methylphenol(m&p Cresol)	<35.6	ug/kg	119	35.6	1	10/21/15 10:17	10/22/15 14:03		
Naphthalene	<67.8	ug/kg	226	67.8	1	10/21/15 10:17	10/22/15 14:03	91-20-3	
2-Nitroaniline	<55.3	ug/kg	184	55.3	1	10/21/15 10:17	10/22/15 14:03	88-74-4	
3-Nitroaniline	<33.0	ug/kg	110	33.0	1	10/21/15 10:17	10/22/15 14:03	99-09-2	
4-Nitroaniline	<80.5	ug/kg	268	80.5	1	10/21/15 10:17	10/22/15 14:03	100-01-6	
Nitrobenzene	<39.3	ug/kg	131	39.3	1	10/21/15 10:17	10/22/15 14:03	98-95-3	
2-Nitrophenol	<61.2	ug/kg	204	61.2	1	10/21/15 10:17	10/22/15 14:03	88-75-5	
4-Nitrophenol	<48.9	ug/kg	163	48.9	1	10/21/15 10:17	10/22/15 14:03	100-02-7	
N-Nitroso-di-n-propylamine	<30.8	ug/kg	103	30.8	1	10/21/15 10:17	10/22/15 14:03	621-64-7	
N-Nitrosodiphenylamine	<263	ug/kg	877	263	1	10/21/15 10:17	10/22/15 14:03	86-30-6	
2,2'-Oxybis(1-chloropropane)	<50.0	ug/kg	167	50.0	1	10/21/15 10:17	10/22/15 14:03	108-60-1	
Pentachlorophenol	<42.7	ug/kg	142	42.7	1	10/21/15 10:17	10/22/15 14:03	87-86-5	
Phenanthrene	<24.9	ug/kg	83.0	24.9	1	10/21/15 10:17	10/22/15 14:03	85-01-8	
Phenol	<46.0	ug/kg	153	46.0	1	10/21/15 10:17	10/22/15 14:03	108-95-2	
Pyrene	58.0J	ug/kg	143	43.0	1	10/21/15 10:17	10/22/15 14:03	129-00-0	
1,2,4-Trichlorobenzene	<21.9	ug/kg	73.1	21.9	1	10/21/15 10:17	10/22/15 14:03	120-82-1	
2,4,5-Trichlorophenol	<34.3	ug/kg	114	34.3	1	10/21/15 10:17	10/22/15 14:03	95-95-4	
2,4,6-Trichlorophenol	<29.6	ug/kg	98.6	29.6	1	10/21/15 10:17	10/22/15 14:03	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	62	%	45-130		1	10/21/15 10:17	10/22/15 14:03	4165-60-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: R-1 (0-5)-101415 **Lab ID: 40122890036** Collected: 10/14/15 10:50 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	67	%	51-130		1	10/21/15 10:17	10/22/15 14:03	321-60-8	
Terphenyl-d14 (S)	160	%	37-134		1	10/21/15 10:17	10/22/15 14:03	1718-51-0	S3
Phenol-d6 (S)	83	%	36-130		1	10/21/15 10:17	10/22/15 14:03	13127-88-3	
2-Fluorophenol (S)	62	%	37-130		1	10/21/15 10:17	10/22/15 14:03	367-12-4	
2,4,6-Tribromophenol (S)	81	%	30-130		1	10/21/15 10:17	10/22/15 14:03	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<3.7	ug/kg	11.8	3.7	1	10/19/15 12:00	10/19/15 14:45	67-64-1	2q
Benzene	<0.95	ug/kg	3.0	0.95	1	10/19/15 12:00	10/19/15 14:45	71-43-2	
Bromodichloromethane	<0.65	ug/kg	3.0	0.65	1	10/19/15 12:00	10/19/15 14:45	75-27-4	
Bromoform	<0.50	ug/kg	3.0	0.50	1	10/19/15 12:00	10/19/15 14:45	75-25-2	
Bromomethane	<0.88	ug/kg	5.9	0.88	1	10/19/15 12:00	10/19/15 14:45	74-83-9	
2-Butanone (MEK)	<1.7	ug/kg	11.8	1.7	1	10/19/15 12:00	10/19/15 14:45	78-93-3	
Carbon disulfide	<0.76	ug/kg	3.0	0.76	1	10/19/15 12:00	10/19/15 14:45	75-15-0	
Carbon tetrachloride	<0.94	ug/kg	3.0	0.94	1	10/19/15 12:00	10/19/15 14:45	56-23-5	
Chlorobenzene	<0.94	ug/kg	3.0	0.94	1	10/19/15 12:00	10/19/15 14:45	108-90-7	
Chloroethane	<1.2	ug/kg	3.0	1.2	1	10/19/15 12:00	10/19/15 14:45	75-00-3	
Chloroform	<0.56	ug/kg	3.0	0.56	1	10/19/15 12:00	10/19/15 14:45	67-66-3	
Chloromethane	<0.33	ug/kg	3.0	0.33	1	10/19/15 12:00	10/19/15 14:45	74-87-3	
Dibromochloromethane	<1.0	ug/kg	3.0	1.0	1	10/19/15 12:00	10/19/15 14:45	124-48-1	
1,1-Dichloroethane	<1.4	ug/kg	3.0	1.4	1	10/19/15 12:00	10/19/15 14:45	75-34-3	
1,2-Dichloroethane	<0.58	ug/kg	3.0	0.58	1	10/19/15 12:00	10/19/15 14:45	107-06-2	
1,1-Dichloroethene	<1.3	ug/kg	3.0	1.3	1	10/19/15 12:00	10/19/15 14:45	75-35-4	
cis-1,2-Dichloroethene	<0.78	ug/kg	3.0	0.78	1	10/19/15 12:00	10/19/15 14:45	156-59-2	
trans-1,2-Dichloroethene	<0.73	ug/kg	3.0	0.73	1	10/19/15 12:00	10/19/15 14:45	156-60-5	
1,2-Dichloropropane	<0.74	ug/kg	3.0	0.74	1	10/19/15 12:00	10/19/15 14:45	78-87-5	
cis-1,3-Dichloropropene	<0.39	ug/kg	3.0	0.39	1	10/19/15 12:00	10/19/15 14:45	10061-01-5	
trans-1,3-Dichloropropene	<0.55	ug/kg	3.0	0.55	1	10/19/15 12:00	10/19/15 14:45	10061-02-6	
Ethylbenzene	<0.85	ug/kg	3.0	0.85	1	10/19/15 12:00	10/19/15 14:45	100-41-4	
2-Hexanone	<0.87	ug/kg	3.0	0.87	1	10/19/15 12:00	10/19/15 14:45	591-78-6	
Methylene Chloride	<1.1	ug/kg	3.0	1.1	1	10/19/15 12:00	10/19/15 14:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.72	ug/kg	3.0	0.72	1	10/19/15 12:00	10/19/15 14:45	108-10-1	
Methyl-tert-butyl ether	<0.59	ug/kg	3.0	0.59	1	10/19/15 12:00	10/19/15 14:45	1634-04-4	
Styrene	<0.45	ug/kg	3.0	0.45	1	10/19/15 12:00	10/19/15 14:45	100-42-5	
1,1,2,2-Tetrachloroethane	<1.2	ug/kg	3.0	1.2	1	10/19/15 12:00	10/19/15 14:45	79-34-5	
Tetrachloroethene	<0.93	ug/kg	3.0	0.93	1	10/19/15 12:00	10/19/15 14:45	127-18-4	
Toluene	<0.88	ug/kg	3.0	0.88	1	10/19/15 12:00	10/19/15 14:45	108-88-3	
1,1,1-Trichloroethane	<0.91	ug/kg	3.0	0.91	1	10/19/15 12:00	10/19/15 14:45	71-55-6	
1,1,2-Trichloroethane	<1.1	ug/kg	3.0	1.1	1	10/19/15 12:00	10/19/15 14:45	79-00-5	
Trichloroethene	<1.1	ug/kg	3.0	1.1	1	10/19/15 12:00	10/19/15 14:45	79-01-6	
Vinyl chloride	<0.32	ug/kg	3.0	0.32	1	10/19/15 12:00	10/19/15 14:45	75-01-4	
Xylene (Total)	<2.6	ug/kg	8.9	2.6	1	10/19/15 12:00	10/19/15 14:45	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	108	%	70-130		1	10/19/15 12:00	10/19/15 14:45	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: R-1 (0-5)-101415 **Lab ID: 40122890036** Collected: 10/14/15 10:50 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	103	%	67-138		1	10/19/15 12:00	10/19/15 14:45	2037-26-5	
4-Bromofluorobenzene (S)	93	%	68-130		1	10/19/15 12:00	10/19/15 14:45	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	14.0	%	0.10	0.10	1		10/15/15 18:10		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.82	Std. Units	0.100	0.0100	1		10/19/15 11:45		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: R-1 (0-5)-101415D Lab ID: 40122890037 Collected: 10/14/15 10:55 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.11	mg/kg	3.3	0.11	1	10/19/15 14:14	10/21/15 23:00	7440-36-0	
Arsenic	3.7	mg/kg	1.1	0.30	1	10/19/15 14:14	10/21/15 23:00	7440-38-2	
Barium	112	mg/kg	21.9	0.29	1	10/19/15 14:14	10/21/15 23:00	7440-39-3	
Beryllium	0.16J	mg/kg	0.55	0.086	1	10/19/15 14:14	10/21/15 23:00	7440-41-7	
Cadmium	0.36J	mg/kg	0.55	0.070	1	10/19/15 14:14	10/21/15 23:00	7440-43-9	
Calcium	97400	mg/kg	1090	29.2	10	10/19/15 14:14	10/22/15 13:48	7440-70-2	
Chromium	13.7	mg/kg	1.1	0.33	1	10/19/15 14:14	10/21/15 23:00	7440-47-3	
Cobalt	5.2	mg/kg	1.1	0.14	1	10/19/15 14:14	10/21/15 23:00	7440-48-4	
Copper	19.9	mg/kg	1.1	0.40	1	10/19/15 14:14	10/21/15 23:00	7440-50-8	
Iron	10400	mg/kg	5.5	0.85	1	10/19/15 14:14	10/21/15 23:00	7439-89-6	
Lead	72.1	mg/kg	0.55	0.30	1	10/19/15 14:14	10/21/15 23:00	7439-92-1	
Magnesium	52100	mg/kg	109	3.1	1	10/19/15 14:14	10/21/15 23:00	7439-95-4	
Manganese	319	mg/kg	1.1	0.20	1	10/19/15 14:14	10/21/15 23:00	7439-96-5	
Nickel	10.8	mg/kg	4.4	1.2	1	10/19/15 14:14	10/21/15 23:00	7440-02-0	
Potassium	646	mg/kg	109	3.4	1	10/19/15 14:14	10/21/15 23:00	7440-09-7	
Selenium	0.57J	mg/kg	2.2	0.22	1	10/19/15 14:14	10/21/15 23:00	7782-49-2	
Silver	<0.078	mg/kg	1.1	0.078	1	10/19/15 14:14	10/21/15 23:00	7440-22-4	
Sodium	1190	mg/kg	109	18.4	1	10/19/15 14:14	10/21/15 23:00	7440-23-5	
Thallium	<0.16	mg/kg	0.55	0.16	1	10/19/15 14:14	10/21/15 23:00	7440-28-0	
Vanadium	15.2	mg/kg	5.5	0.34	1	10/19/15 14:14	10/21/15 23:00	7440-62-2	
Zinc	57.3	mg/kg	2.2	0.51	1	10/19/15 14:14	10/21/15 23:00	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/18/15 11:00

Arsenic	0.014	mg/L	0.010	0.0026	1	10/20/15 07:44	10/21/15 12:47	7440-38-2	
Barium	0.14J	mg/L	0.20	0.0037	1	10/20/15 07:44	10/21/15 12:47	7440-39-3	
Beryllium	0.00041J	mg/L	0.0050	0.00025	1	10/20/15 07:44	10/21/15 12:47	7440-41-7	
Cadmium	<0.00027	mg/L	0.0050	0.00027	1	10/20/15 07:44	10/21/15 12:47	7440-43-9	
Chromium	0.019	mg/L	0.010	0.0018	1	10/20/15 07:44	10/21/15 12:47	7440-47-3	
Cobalt	0.0065J	mg/L	0.010	0.00050	1	10/20/15 07:44	10/21/15 12:47	7440-48-4	
Copper	0.030	mg/L	0.010	0.0024	1	10/20/15 07:44	10/21/15 12:47	7440-50-8	
Iron	21.3	mg/L	0.050	0.0073	1	10/20/15 07:44	10/21/15 12:47	7439-89-6	
Lead	0.033	mg/L	0.0050	0.00084	1	10/20/15 07:44	10/21/15 12:47	7439-92-1	
Manganese	0.25	mg/L	0.010	0.00065	1	10/20/15 07:44	10/21/15 12:47	7439-96-5	
Nickel	0.018J	mg/L	0.040	0.00041	1	10/20/15 07:44	10/21/15 12:47	7440-02-0	
Selenium	<0.0024	mg/L	0.020	0.0024	1	10/20/15 07:44	10/21/15 12:47	7782-49-2	
Silver	<0.00032	mg/L	0.010	0.00032	1	10/20/15 07:44	10/21/15 12:47	7440-22-4	
Zinc	0.082	mg/L	0.020	0.00076	1	10/20/15 07:44	10/21/15 12:47	7440-66-6	

6010 Metals, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/21/15 17:00

Arsenic	<0.0053	mg/L	0.20	0.0053	1	10/22/15 12:12	10/22/15 17:40	7440-38-2	
Barium	0.29J	mg/L	2.0	0.0010	1	10/22/15 12:12	10/22/15 17:40	7440-39-3	B
Beryllium	<0.00050	mg/L	0.20	0.00050	1	10/22/15 12:12	10/22/15 17:40	7440-41-7	
Cadmium	0.0011J	mg/L	0.10	0.00054	1	10/22/15 12:12	10/22/15 17:40	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: R-1 (0-5)-101415D **Lab ID: 40122890037** Collected: 10/14/15 10:55 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Chromium	<0.0037	mg/L	0.20	0.0037	1	10/22/15 12:12	10/22/15 17:40	7440-47-3	
Cobalt	<0.0010	mg/L	0.20	0.0010	1	10/22/15 12:12	10/22/15 17:40	7440-48-4	
Copper	0.0048J	mg/L	0.20	0.0048	1	10/22/15 12:12	10/22/15 17:40	7440-50-8	B
Iron	<0.015	mg/L	1.0	0.015	1	10/22/15 12:12	10/22/15 17:40	7439-89-6	
Lead	0.010J	mg/L	0.20	0.0017	1	10/22/15 12:12	10/22/15 17:40	7439-92-1	
Manganese	0.48	mg/L	0.13	0.0013	1	10/22/15 12:12	10/22/15 17:40	7439-96-5	
Nickel	0.0059J	mg/L	0.20	0.00082	1	10/22/15 12:12	10/22/15 17:40	7440-02-0	
Selenium	0.0060J	mg/L	0.20	0.0049	1	10/22/15 12:12	10/22/15 17:40	7782-49-2	
Silver	<0.00065	mg/L	0.20	0.00065	1	10/22/15 12:12	10/22/15 17:40	7440-22-4	
Zinc	0.087J	mg/L	0.20	0.0015	1	10/22/15 12:12	10/22/15 17:40	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/18/15 11:00									
Mercury	0.000040J	mg/L	0.00020	0.000024	1	10/20/15 07:58	10/21/15 11:20	7439-97-6	B
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Mercury	<0.000024	mg/L	0.00020	0.000024	1	10/22/15 12:12	10/22/15 16:28	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.025	mg/kg	0.020	0.010	1	10/19/15 15:05	10/20/15 14:53	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<68.7	ug/kg	229	68.7	1	10/21/15 10:17	10/22/15 16:44	83-32-9	
Acenaphthylene	<69.1	ug/kg	230	69.1	1	10/21/15 10:17	10/22/15 16:44	208-96-8	
Anthracene	<31.0	ug/kg	103	31.0	1	10/21/15 10:17	10/22/15 16:44	120-12-7	
Benzo(a)anthracene	83.4J	ug/kg	100	30.0	1	10/21/15 10:17	10/22/15 16:44	56-55-3	
Benzo(a)pyrene	111	ug/kg	97.1	29.1	1	10/21/15 10:17	10/22/15 16:44	50-32-8	
Benzo(b)fluoranthene	115	ug/kg	111	33.3	1	10/21/15 10:17	10/22/15 16:44	205-99-2	
Benzo(g,h,i)perylene	94.2J	ug/kg	169	50.7	1	10/21/15 10:17	10/22/15 16:44	191-24-2	
Benzo(k)fluoranthene	102J	ug/kg	155	46.4	1	10/21/15 10:17	10/22/15 16:44	207-08-9	
4-Bromophenylphenyl ether	<40.6	ug/kg	135	40.6	1	10/21/15 10:17	10/22/15 16:44	101-55-3	
Butylbenzylphthalate	<31.1	ug/kg	104	31.1	1	10/21/15 10:17	10/22/15 16:44	85-68-7	
Carbazole	<30.3	ug/kg	101	30.3	1	10/21/15 10:17	10/22/15 16:44	86-74-8	
4-Chloro-3-methylphenol	<60.3	ug/kg	201	60.3	1	10/21/15 10:17	10/22/15 16:44	59-50-7	
4-Chloroaniline	<31.8	ug/kg	106	31.8	1	10/21/15 10:17	10/22/15 16:44	106-47-8	
bis(2-Chloroethoxy)methane	<52.2	ug/kg	174	52.2	1	10/21/15 10:17	10/22/15 16:44	111-91-1	
bis(2-Chloroethyl) ether	<60.5	ug/kg	202	60.5	1	10/21/15 10:17	10/22/15 16:44	111-44-4	
2-Chloronaphthalene	<24.9	ug/kg	82.9	24.9	1	10/21/15 10:17	10/22/15 16:44	91-58-7	
2-Chlorophenol	<48.3	ug/kg	161	48.3	1	10/21/15 10:17	10/22/15 16:44	95-57-8	
4-Chlorophenylphenyl ether	<36.1	ug/kg	120	36.1	1	10/21/15 10:17	10/22/15 16:44	7005-72-3	
Chrysene	111	ug/kg	96.5	29.0	1	10/21/15 10:17	10/22/15 16:44	218-01-9	
Dibenz(a,h)anthracene	<52.6	ug/kg	175	52.6	1	10/21/15 10:17	10/22/15 16:44	53-70-3	
Dibenzofuran	<23.4	ug/kg	78.1	23.4	1	10/21/15 10:17	10/22/15 16:44	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Lab Project No.: 40122890

Sample: R-1 (0-5)-101415D **Lab ID: 40122890037** Collected: 10/14/15 10:55 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<60.9	ug/kg	203	60.9	1	10/21/15 10:17	10/22/15 16:44	95-50-1	
1,3-Dichlorobenzene	<26.8	ug/kg	89.4	26.8	1	10/21/15 10:17	10/22/15 16:44	541-73-1	
1,4-Dichlorobenzene	<27.0	ug/kg	89.9	27.0	1	10/21/15 10:17	10/22/15 16:44	106-46-7	
3,3'-Dichlorobenzidine	<52.5	ug/kg	175	52.5	1	10/21/15 10:17	10/22/15 16:44	91-94-1	
2,4-Dichlorophenol	<51.8	ug/kg	173	51.8	1	10/21/15 10:17	10/22/15 16:44	120-83-2	
Diethylphthalate	<32.1	ug/kg	107	32.1	1	10/21/15 10:17	10/22/15 16:44	84-66-2	
2,4-Dimethylphenol	<38.3	ug/kg	128	38.3	1	10/21/15 10:17	10/22/15 16:44	105-67-9	
Dimethylphthalate	<25.2	ug/kg	84.0	25.2	1	10/21/15 10:17	10/22/15 16:44	131-11-3	
Di-n-butylphthalate	<28.9	ug/kg	96.5	28.9	1	10/21/15 10:17	10/22/15 16:44	84-74-2	
4,6-Dinitro-2-methylphenol	<59.7	ug/kg	199	59.7	1	10/21/15 10:17	10/22/15 16:44	534-52-1	
2,4-Dinitrophenol	<59.0	ug/kg	197	59.0	1	10/21/15 10:17	10/22/15 16:44	51-28-5	
2,4-Dinitrotoluene	<27.7	ug/kg	92.3	27.7	1	10/21/15 10:17	10/22/15 16:44	121-14-2	
2,6-Dinitrotoluene	<36.8	ug/kg	123	36.8	1	10/21/15 10:17	10/22/15 16:44	606-20-2	
Di-n-octylphthalate	<43.5	ug/kg	145	43.5	1	10/21/15 10:17	10/22/15 16:44	117-84-0	
bis(2-Ethylhexyl)phthalate	<32.2	ug/kg	107	32.2	1	10/21/15 10:17	10/22/15 16:44	117-81-7	
Fluoranthene	95.9	ug/kg	91.4	27.4	1	10/21/15 10:17	10/22/15 16:44	206-44-0	
Fluorene	<22.6	ug/kg	75.5	22.6	1	10/21/15 10:17	10/22/15 16:44	86-73-7	
Hexachloro-1,3-butadiene	<49.3	ug/kg	164	49.3	1	10/21/15 10:17	10/22/15 16:44	87-68-3	
Hexachlorobenzene	<32.6	ug/kg	109	32.6	1	10/21/15 10:17	10/22/15 16:44	118-74-1	
Hexachlorocyclopentadiene	<45.8	ug/kg	153	45.8	1	10/21/15 10:17	10/22/15 16:44	77-47-4	
Hexachloroethane	<31.0	ug/kg	103	31.0	1	10/21/15 10:17	10/22/15 16:44	67-72-1	
Indeno(1,2,3-cd)pyrene	96.9J	ug/kg	140	41.9	1	10/21/15 10:17	10/22/15 16:44	193-39-5	
Isophorone	<29.8	ug/kg	99.2	29.8	1	10/21/15 10:17	10/22/15 16:44	78-59-1	
2-Methylnaphthalene	<50.3	ug/kg	168	50.3	1	10/21/15 10:17	10/22/15 16:44	91-57-6	
2-Methylphenol(o-Cresol)	<35.2	ug/kg	117	35.2	1	10/21/15 10:17	10/22/15 16:44	95-48-7	
3&4-Methylphenol(m&p Cresol)	<35.5	ug/kg	118	35.5	1	10/21/15 10:17	10/22/15 16:44		
Naphthalene	<67.7	ug/kg	226	67.7	1	10/21/15 10:17	10/22/15 16:44	91-20-3	
2-Nitroaniline	<55.2	ug/kg	184	55.2	1	10/21/15 10:17	10/22/15 16:44	88-74-4	
3-Nitroaniline	<32.9	ug/kg	110	32.9	1	10/21/15 10:17	10/22/15 16:44	99-09-2	
4-Nitroaniline	<80.4	ug/kg	268	80.4	1	10/21/15 10:17	10/22/15 16:44	100-01-6	
Nitrobenzene	<39.3	ug/kg	131	39.3	1	10/21/15 10:17	10/22/15 16:44	98-95-3	
2-Nitrophenol	<61.1	ug/kg	204	61.1	1	10/21/15 10:17	10/22/15 16:44	88-75-5	
4-Nitrophenol	<48.8	ug/kg	163	48.8	1	10/21/15 10:17	10/22/15 16:44	100-02-7	
N-Nitroso-di-n-propylamine	<30.7	ug/kg	102	30.7	1	10/21/15 10:17	10/22/15 16:44	621-64-7	
N-Nitrosodiphenylamine	<263	ug/kg	876	263	1	10/21/15 10:17	10/22/15 16:44	86-30-6	
2,2'-Oxybis(1-chloropropane)	<49.9	ug/kg	166	49.9	1	10/21/15 10:17	10/22/15 16:44	108-60-1	
Pentachlorophenol	<42.7	ug/kg	142	42.7	1	10/21/15 10:17	10/22/15 16:44	87-86-5	
Phenanthrene	62.1J	ug/kg	82.8	24.8	1	10/21/15 10:17	10/22/15 16:44	85-01-8	
Phenol	<46.0	ug/kg	153	46.0	1	10/21/15 10:17	10/22/15 16:44	108-95-2	
Pyrene	242	ug/kg	143	42.9	1	10/21/15 10:17	10/22/15 16:44	129-00-0	
1,2,4-Trichlorobenzene	<21.9	ug/kg	73.0	21.9	1	10/21/15 10:17	10/22/15 16:44	120-82-1	
2,4,5-Trichlorophenol	<34.2	ug/kg	114	34.2	1	10/21/15 10:17	10/22/15 16:44	95-95-4	
2,4,6-Trichlorophenol	<29.5	ug/kg	98.4	29.5	1	10/21/15 10:17	10/22/15 16:44	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	62	%	45-130		1	10/21/15 10:17	10/22/15 16:44	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: R-1 (0-5)-101415D **Lab ID: 40122890037** Collected: 10/14/15 10:55 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

2-Fluorobiphenyl (S)	78	%	51-130		1	10/21/15 10:17	10/22/15 16:44	321-60-8	
Terphenyl-d14 (S)	191	%	37-134		1	10/21/15 10:17	10/22/15 16:44	1718-51-0	S0
Phenol-d6 (S)	77	%	36-130		1	10/21/15 10:17	10/22/15 16:44	13127-88-3	
2-Fluorophenol (S)	55	%	37-130		1	10/21/15 10:17	10/22/15 16:44	367-12-4	
2,4,6-Tribromophenol (S)	82	%	30-130		1	10/21/15 10:17	10/22/15 16:44	118-79-6	

8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260

Acetone	<4.1	ug/kg	13.2	4.1	1	10/19/15 12:00	10/19/15 15:08	67-64-1	2q
Benzene	<1.1	ug/kg	3.3	1.1	1	10/19/15 12:00	10/19/15 15:08	71-43-2	
Bromodichloromethane	<0.72	ug/kg	3.3	0.72	1	10/19/15 12:00	10/19/15 15:08	75-27-4	
Bromoform	<0.56	ug/kg	3.3	0.56	1	10/19/15 12:00	10/19/15 15:08	75-25-2	
Bromomethane	<0.99	ug/kg	6.6	0.99	1	10/19/15 12:00	10/19/15 15:08	74-83-9	
2-Butanone (MEK)	<1.9	ug/kg	13.2	1.9	1	10/19/15 12:00	10/19/15 15:08	78-93-3	
Carbon disulfide	<0.85	ug/kg	3.3	0.85	1	10/19/15 12:00	10/19/15 15:08	75-15-0	
Carbon tetrachloride	<1.0	ug/kg	3.3	1.0	1	10/19/15 12:00	10/19/15 15:08	56-23-5	
Chlorobenzene	<1.0	ug/kg	3.3	1.0	1	10/19/15 12:00	10/19/15 15:08	108-90-7	
Chloroethane	<1.3	ug/kg	3.3	1.3	1	10/19/15 12:00	10/19/15 15:08	75-00-3	
Chloroform	<0.63	ug/kg	3.3	0.63	1	10/19/15 12:00	10/19/15 15:08	67-66-3	
Chloromethane	<0.37	ug/kg	3.3	0.37	1	10/19/15 12:00	10/19/15 15:08	74-87-3	
Dibromochloromethane	<1.1	ug/kg	3.3	1.1	1	10/19/15 12:00	10/19/15 15:08	124-48-1	
1,1-Dichloroethane	<1.6	ug/kg	3.3	1.6	1	10/19/15 12:00	10/19/15 15:08	75-34-3	
1,2-Dichloroethane	<0.65	ug/kg	3.3	0.65	1	10/19/15 12:00	10/19/15 15:08	107-06-2	
1,1-Dichloroethene	<1.5	ug/kg	3.3	1.5	1	10/19/15 12:00	10/19/15 15:08	75-35-4	
cis-1,2-Dichloroethene	<0.88	ug/kg	3.3	0.88	1	10/19/15 12:00	10/19/15 15:08	156-59-2	
trans-1,2-Dichloroethene	<0.82	ug/kg	3.3	0.82	1	10/19/15 12:00	10/19/15 15:08	156-60-5	
1,2-Dichloropropane	<0.83	ug/kg	3.3	0.83	1	10/19/15 12:00	10/19/15 15:08	78-87-5	
cis-1,3-Dichloropropene	<0.44	ug/kg	3.3	0.44	1	10/19/15 12:00	10/19/15 15:08	10061-01-5	
trans-1,3-Dichloropropene	<0.61	ug/kg	3.3	0.61	1	10/19/15 12:00	10/19/15 15:08	10061-02-6	
Ethylbenzene	<0.95	ug/kg	3.3	0.95	1	10/19/15 12:00	10/19/15 15:08	100-41-4	
2-Hexanone	<0.98	ug/kg	3.3	0.98	1	10/19/15 12:00	10/19/15 15:08	591-78-6	
Methylene Chloride	<1.2	ug/kg	3.3	1.2	1	10/19/15 12:00	10/19/15 15:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.81	ug/kg	3.3	0.81	1	10/19/15 12:00	10/19/15 15:08	108-10-1	
Methyl-tert-butyl ether	<0.66	ug/kg	3.3	0.66	1	10/19/15 12:00	10/19/15 15:08	1634-04-4	
Styrene	<0.50	ug/kg	3.3	0.50	1	10/19/15 12:00	10/19/15 15:08	100-42-5	
1,1,2,2-Tetrachloroethane	<1.4	ug/kg	3.3	1.4	1	10/19/15 12:00	10/19/15 15:08	79-34-5	
Tetrachloroethene	<1.0	ug/kg	3.3	1.0	1	10/19/15 12:00	10/19/15 15:08	127-18-4	
Toluene	<0.98	ug/kg	3.3	0.98	1	10/19/15 12:00	10/19/15 15:08	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/kg	3.3	1.0	1	10/19/15 12:00	10/19/15 15:08	71-55-6	
1,1,2-Trichloroethane	<1.3	ug/kg	3.3	1.3	1	10/19/15 12:00	10/19/15 15:08	79-00-5	
Trichloroethene	<1.3	ug/kg	3.3	1.3	1	10/19/15 12:00	10/19/15 15:08	79-01-6	
Vinyl chloride	<0.36	ug/kg	3.3	0.36	1	10/19/15 12:00	10/19/15 15:08	75-01-4	
Xylene (Total)	<3.0	ug/kg	9.9	3.0	1	10/19/15 12:00	10/19/15 15:08	1330-20-7	

Surrogates

Dibromofluoromethane (S)	107	%	70-130		1	10/19/15 12:00	10/19/15 15:08	1868-53-7	
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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: R-1 (0-5)-101415D **Lab ID: 40122890037** Collected: 10/14/15 10:55 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	104	%	67-138		1	10/19/15 12:00	10/19/15 15:08	2037-26-5	
4-Bromofluorobenzene (S)	94	%	68-130		1	10/19/15 12:00	10/19/15 15:08	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	13.8	%	0.10	0.10	1		10/15/15 18:37		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.89	Std. Units	0.100	0.0100	1		10/19/15 11:45		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: R-1 (5-9)-101415 Lab ID: 40122890038 Collected: 10/14/15 11:05 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.098	mg/kg	2.9	0.098	1	10/19/15 14:14	10/21/15 23:04	7440-36-0	
Arsenic	1.9	mg/kg	0.98	0.27	1	10/19/15 14:14	10/21/15 23:04	7440-38-2	
Barium	26.6	mg/kg	19.6	0.26	1	10/19/15 14:14	10/21/15 23:04	7440-39-3	
Beryllium	<0.077	mg/kg	0.49	0.077	1	10/19/15 14:14	10/21/15 23:04	7440-41-7	
Cadmium	0.14J	mg/kg	0.49	0.063	1	10/19/15 14:14	10/21/15 23:04	7440-43-9	
Calcium	156000	mg/kg	979	26.2	10	10/19/15 14:14	10/22/15 13:52	7440-70-2	
Chromium	7.9	mg/kg	0.98	0.30	1	10/19/15 14:14	10/21/15 23:04	7440-47-3	
Cobalt	1.9	mg/kg	0.98	0.13	1	10/19/15 14:14	10/21/15 23:04	7440-48-4	
Copper	12.4	mg/kg	0.98	0.36	1	10/19/15 14:14	10/21/15 23:04	7440-50-8	
Iron	6380	mg/kg	4.9	0.76	1	10/19/15 14:14	10/21/15 23:04	7439-89-6	
Lead	5.7	mg/kg	0.49	0.27	1	10/19/15 14:14	10/21/15 23:04	7439-92-1	
Magnesium	89600	mg/kg	979	28.0	10	10/19/15 14:14	10/22/15 13:52	7439-95-4	
Manganese	237	mg/kg	0.98	0.18	1	10/19/15 14:14	10/21/15 23:04	7439-96-5	
Nickel	3.9J	mg/kg	3.9	1.0	1	10/19/15 14:14	10/21/15 23:04	7440-02-0	
Potassium	373	mg/kg	97.9	3.1	1	10/19/15 14:14	10/21/15 23:04	7440-09-7	
Selenium	0.46J	mg/kg	2.0	0.20	1	10/19/15 14:14	10/21/15 23:04	7782-49-2	
Silver	<0.070	mg/kg	0.98	0.070	1	10/19/15 14:14	10/21/15 23:04	7440-22-4	
Sodium	358	mg/kg	97.9	16.5	1	10/19/15 14:14	10/21/15 23:04	7440-23-5	
Thallium	<0.14	mg/kg	0.49	0.14	1	10/19/15 14:14	10/21/15 23:04	7440-28-0	
Vanadium	7.2	mg/kg	4.9	0.30	1	10/19/15 14:14	10/21/15 23:04	7440-62-2	
Zinc	32.5	mg/kg	2.0	0.46	1	10/19/15 14:14	10/21/15 23:04	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/18/15 11:00

Arsenic	<0.0026	mg/L	0.010	0.0026	1	10/20/15 07:44	10/21/15 12:50	7440-38-2	
Barium	0.060J	mg/L	0.20	0.0037	1	10/20/15 07:44	10/21/15 12:50	7440-39-3	B
Beryllium	<0.00025	mg/L	0.0050	0.00025	1	10/20/15 07:44	10/21/15 12:50	7440-41-7	
Cadmium	<0.00027	mg/L	0.0050	0.00027	1	10/20/15 07:44	10/21/15 12:50	7440-43-9	
Chromium	0.0019J	mg/L	0.010	0.0018	1	10/20/15 07:44	10/21/15 12:50	7440-47-3	
Cobalt	<0.00050	mg/L	0.010	0.00050	1	10/20/15 07:44	10/21/15 12:50	7440-48-4	
Copper	0.0066J	mg/L	0.010	0.0024	1	10/20/15 07:44	10/21/15 12:50	7440-50-8	
Iron	0.92	mg/L	0.050	0.0073	1	10/20/15 07:44	10/21/15 12:50	7439-89-6	
Lead	0.00094J	mg/L	0.0050	0.00084	1	10/20/15 07:44	10/21/15 12:50	7439-92-1	
Manganese	0.0098J	mg/L	0.010	0.00065	1	10/20/15 07:44	10/21/15 12:50	7439-96-5	
Nickel	0.00067J	mg/L	0.040	0.00041	1	10/20/15 07:44	10/21/15 12:50	7440-02-0	
Selenium	<0.0024	mg/L	0.020	0.0024	1	10/20/15 07:44	10/21/15 12:50	7782-49-2	
Silver	<0.00032	mg/L	0.010	0.00032	1	10/20/15 07:44	10/21/15 12:50	7440-22-4	
Zinc	0.0089J	mg/L	0.020	0.00076	1	10/20/15 07:44	10/21/15 12:50	7440-66-6	B

6010 Metals, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/21/15 17:00

Arsenic	<0.0053	mg/L	0.20	0.0053	1	10/22/15 12:12	10/22/15 17:44	7440-38-2	
Barium	0.048J	mg/L	2.0	0.0010	1	10/22/15 12:12	10/22/15 17:44	7440-39-3	B
Beryllium	<0.00050	mg/L	0.20	0.00050	1	10/22/15 12:12	10/22/15 17:44	7440-41-7	
Cadmium	<0.00054	mg/L	0.10	0.00054	1	10/22/15 12:12	10/22/15 17:44	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: R-1 (5-9)-101415 **Lab ID: 40122890038** Collected: 10/14/15 11:05 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Chromium	<0.0037	mg/L	0.20	0.0037	1	10/22/15 12:12	10/22/15 17:44	7440-47-3	
Cobalt	<0.0010	mg/L	0.20	0.0010	1	10/22/15 12:12	10/22/15 17:44	7440-48-4	
Copper	<0.0048	mg/L	0.20	0.0048	1	10/22/15 12:12	10/22/15 17:44	7440-50-8	
Iron	<0.015	mg/L	1.0	0.015	1	10/22/15 12:12	10/22/15 17:44	7439-89-6	
Lead	<0.0017	mg/L	0.20	0.0017	1	10/22/15 12:12	10/22/15 17:44	7439-92-1	
Manganese	<0.0013	mg/L	0.13	0.0013	1	10/22/15 12:12	10/22/15 17:44	7439-96-5	
Nickel	<0.00082	mg/L	0.20	0.00082	1	10/22/15 12:12	10/22/15 17:44	7440-02-0	
Selenium	<0.0049	mg/L	0.20	0.0049	1	10/22/15 12:12	10/22/15 17:44	7782-49-2	
Silver	<0.00065	mg/L	0.20	0.00065	1	10/22/15 12:12	10/22/15 17:44	7440-22-4	
Zinc	0.0042J	mg/L	0.20	0.0015	1	10/22/15 12:12	10/22/15 17:44	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/18/15 11:00									
Mercury	<0.000024	mg/L	0.00020	0.000024	1	10/20/15 07:58	10/21/15 11:22	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Mercury	<0.000024	mg/L	0.00020	0.000024	1	10/22/15 12:12	10/22/15 16:34	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	<0.010	mg/kg	0.021	0.010	1	10/19/15 15:05	10/20/15 14:56	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<61.5	ug/kg	205	61.5	1	10/21/15 10:17	10/22/15 17:17	83-32-9	
Acenaphthylene	<61.8	ug/kg	206	61.8	1	10/21/15 10:17	10/22/15 17:17	208-96-8	
Anthracene	<27.7	ug/kg	92.3	27.7	1	10/21/15 10:17	10/22/15 17:17	120-12-7	
Benzo(a)anthracene	61.3J	ug/kg	89.5	26.8	1	10/21/15 10:17	10/22/15 17:17	56-55-3	
Benzo(a)pyrene	64.7J	ug/kg	86.9	26.1	1	10/21/15 10:17	10/22/15 17:17	50-32-8	
Benzo(b)fluoranthene	76.1J	ug/kg	99.2	29.8	1	10/21/15 10:17	10/22/15 17:17	205-99-2	
Benzo(g,h,i)perylene	78.7J	ug/kg	151	45.3	1	10/21/15 10:17	10/22/15 17:17	191-24-2	
Benzo(k)fluoranthene	83.3J	ug/kg	138	41.5	1	10/21/15 10:17	10/22/15 17:17	207-08-9	
4-Bromophenylphenyl ether	<36.3	ug/kg	121	36.3	1	10/21/15 10:17	10/22/15 17:17	101-55-3	
Butylbenzylphthalate	<27.8	ug/kg	92.6	27.8	1	10/21/15 10:17	10/22/15 17:17	85-68-7	
Carbazole	<27.1	ug/kg	90.4	27.1	1	10/21/15 10:17	10/22/15 17:17	86-74-8	
4-Chloro-3-methylphenol	<53.9	ug/kg	180	53.9	1	10/21/15 10:17	10/22/15 17:17	59-50-7	
4-Chloroaniline	<28.5	ug/kg	94.9	28.5	1	10/21/15 10:17	10/22/15 17:17	106-47-8	
bis(2-Chloroethoxy)methane	<46.7	ug/kg	156	46.7	1	10/21/15 10:17	10/22/15 17:17	111-91-1	
bis(2-Chloroethyl) ether	<54.1	ug/kg	180	54.1	1	10/21/15 10:17	10/22/15 17:17	111-44-4	
2-Chloronaphthalene	<22.2	ug/kg	74.2	22.2	1	10/21/15 10:17	10/22/15 17:17	91-58-7	
2-Chlorophenol	<43.3	ug/kg	144	43.3	1	10/21/15 10:17	10/22/15 17:17	95-57-8	
4-Chlorophenylphenyl ether	<32.3	ug/kg	108	32.3	1	10/21/15 10:17	10/22/15 17:17	7005-72-3	
Chrysene	77.2J	ug/kg	86.4	25.9	1	10/21/15 10:17	10/22/15 17:17	218-01-9	
Dibenz(a,h)anthracene	<47.1	ug/kg	157	47.1	1	10/21/15 10:17	10/22/15 17:17	53-70-3	
Dibenzofuran	<21.0	ug/kg	69.9	21.0	1	10/21/15 10:17	10/22/15 17:17	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Lab Project No.: 40122890

Sample: R-1 (5-9)-101415 **Lab ID: 40122890038** Collected: 10/14/15 11:05 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<54.5	ug/kg	182	54.5	1	10/21/15 10:17	10/22/15 17:17	95-50-1	
1,3-Dichlorobenzene	<24.0	ug/kg	80.0	24.0	1	10/21/15 10:17	10/22/15 17:17	541-73-1	
1,4-Dichlorobenzene	<24.1	ug/kg	80.5	24.1	1	10/21/15 10:17	10/22/15 17:17	106-46-7	
3,3'-Dichlorobenzidine	<47.0	ug/kg	157	47.0	1	10/21/15 10:17	10/22/15 17:17	91-94-1	
2,4-Dichlorophenol	<46.3	ug/kg	154	46.3	1	10/21/15 10:17	10/22/15 17:17	120-83-2	
Diethylphthalate	<28.7	ug/kg	95.8	28.7	1	10/21/15 10:17	10/22/15 17:17	84-66-2	
2,4-Dimethylphenol	<34.3	ug/kg	114	34.3	1	10/21/15 10:17	10/22/15 17:17	105-67-9	
Dimethylphthalate	<22.5	ug/kg	75.1	22.5	1	10/21/15 10:17	10/22/15 17:17	131-11-3	
Di-n-butylphthalate	<25.9	ug/kg	86.3	25.9	1	10/21/15 10:17	10/22/15 17:17	84-74-2	
4,6-Dinitro-2-methylphenol	<53.4	ug/kg	178	53.4	1	10/21/15 10:17	10/22/15 17:17	534-52-1	
2,4-Dinitrophenol	<52.8	ug/kg	176	52.8	1	10/21/15 10:17	10/22/15 17:17	51-28-5	
2,4-Dinitrotoluene	<24.8	ug/kg	82.6	24.8	1	10/21/15 10:17	10/22/15 17:17	121-14-2	
2,6-Dinitrotoluene	<32.9	ug/kg	110	32.9	1	10/21/15 10:17	10/22/15 17:17	606-20-2	
Di-n-octylphthalate	<39.0	ug/kg	130	39.0	1	10/21/15 10:17	10/22/15 17:17	117-84-0	
bis(2-Ethylhexyl)phthalate	<28.8	ug/kg	96.0	28.8	1	10/21/15 10:17	10/22/15 17:17	117-81-7	
Fluoranthene	75.8J	ug/kg	81.7	24.5	1	10/21/15 10:17	10/22/15 17:17	206-44-0	
Fluorene	<20.3	ug/kg	67.5	20.3	1	10/21/15 10:17	10/22/15 17:17	86-73-7	
Hexachloro-1,3-butadiene	<44.1	ug/kg	147	44.1	1	10/21/15 10:17	10/22/15 17:17	87-68-3	
Hexachlorobenzene	<29.1	ug/kg	97.2	29.1	1	10/21/15 10:17	10/22/15 17:17	118-74-1	
Hexachlorocyclopentadiene	<41.0	ug/kg	137	41.0	1	10/21/15 10:17	10/22/15 17:17	77-47-4	
Hexachloroethane	<27.7	ug/kg	92.4	27.7	1	10/21/15 10:17	10/22/15 17:17	67-72-1	
Indeno(1,2,3-cd)pyrene	78.2J	ug/kg	125	37.5	1	10/21/15 10:17	10/22/15 17:17	193-39-5	
Isophorone	<26.6	ug/kg	88.8	26.6	1	10/21/15 10:17	10/22/15 17:17	78-59-1	
2-Methylnaphthalene	<45.0	ug/kg	150	45.0	1	10/21/15 10:17	10/22/15 17:17	91-57-6	
2-Methylphenol(o-Cresol)	<31.5	ug/kg	105	31.5	1	10/21/15 10:17	10/22/15 17:17	95-48-7	
3&4-Methylphenol(m&p Cresol)	<31.8	ug/kg	106	31.8	1	10/21/15 10:17	10/22/15 17:17		
Naphthalene	<60.6	ug/kg	202	60.6	1	10/21/15 10:17	10/22/15 17:17	91-20-3	
2-Nitroaniline	<49.4	ug/kg	165	49.4	1	10/21/15 10:17	10/22/15 17:17	88-74-4	
3-Nitroaniline	<29.5	ug/kg	98.2	29.5	1	10/21/15 10:17	10/22/15 17:17	99-09-2	
4-Nitroaniline	<71.9	ug/kg	240	71.9	1	10/21/15 10:17	10/22/15 17:17	100-01-6	
Nitrobenzene	<35.1	ug/kg	117	35.1	1	10/21/15 10:17	10/22/15 17:17	98-95-3	
2-Nitrophenol	<54.7	ug/kg	182	54.7	1	10/21/15 10:17	10/22/15 17:17	88-75-5	
4-Nitrophenol	<43.6	ug/kg	145	43.6	1	10/21/15 10:17	10/22/15 17:17	100-02-7	
N-Nitroso-di-n-propylamine	<27.5	ug/kg	91.6	27.5	1	10/21/15 10:17	10/22/15 17:17	621-64-7	
N-Nitrosodiphenylamine	<235	ug/kg	784	235	1	10/21/15 10:17	10/22/15 17:17	86-30-6	
2,2'-Oxybis(1-chloropropane)	<44.7	ug/kg	149	44.7	1	10/21/15 10:17	10/22/15 17:17	108-60-1	
Pentachlorophenol	<38.2	ug/kg	127	38.2	1	10/21/15 10:17	10/22/15 17:17	87-86-5	
Phenanthrene	44.8J	ug/kg	74.1	22.2	1	10/21/15 10:17	10/22/15 17:17	85-01-8	
Phenol	<41.1	ug/kg	137	41.1	1	10/21/15 10:17	10/22/15 17:17	108-95-2	
Pyrene	193	ug/kg	128	38.4	1	10/21/15 10:17	10/22/15 17:17	129-00-0	
1,2,4-Trichlorobenzene	<19.6	ug/kg	65.3	19.6	1	10/21/15 10:17	10/22/15 17:17	120-82-1	
2,4,5-Trichlorophenol	<30.6	ug/kg	102	30.6	1	10/21/15 10:17	10/22/15 17:17	95-95-4	
2,4,6-Trichlorophenol	<26.4	ug/kg	88.1	26.4	1	10/21/15 10:17	10/22/15 17:17	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	57	%	45-130		1	10/21/15 10:17	10/22/15 17:17	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: R-1 (5-9)-101415 **Lab ID: 40122890038** Collected: 10/14/15 11:05 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	72	%	51-130		1	10/21/15 10:17	10/22/15 17:17	321-60-8	
Terphenyl-d14 (S)	186	%	37-134		1	10/21/15 10:17	10/22/15 17:17	1718-51-0	S0
Phenol-d6 (S)	73	%	36-130		1	10/21/15 10:17	10/22/15 17:17	13127-88-3	
2-Fluorophenol (S)	49	%	37-130		1	10/21/15 10:17	10/22/15 17:17	367-12-4	
2,4,6-Tribromophenol (S)	73	%	30-130		1	10/21/15 10:17	10/22/15 17:17	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	5.2J	ug/kg	15.8	4.9	1	10/19/15 12:00	10/19/15 15:32	67-64-1	1q
Benzene	<1.3	ug/kg	4.0	1.3	1	10/19/15 12:00	10/19/15 15:32	71-43-2	
Bromodichloromethane	<0.87	ug/kg	4.0	0.87	1	10/19/15 12:00	10/19/15 15:32	75-27-4	
Bromoform	<0.67	ug/kg	4.0	0.67	1	10/19/15 12:00	10/19/15 15:32	75-25-2	
Bromomethane	<1.2	ug/kg	7.9	1.2	1	10/19/15 12:00	10/19/15 15:32	74-83-9	
2-Butanone (MEK)	<2.2	ug/kg	15.8	2.2	1	10/19/15 12:00	10/19/15 15:32	78-93-3	
Carbon disulfide	<1.0	ug/kg	4.0	1.0	1	10/19/15 12:00	10/19/15 15:32	75-15-0	
Carbon tetrachloride	<1.3	ug/kg	4.0	1.3	1	10/19/15 12:00	10/19/15 15:32	56-23-5	
Chlorobenzene	<1.3	ug/kg	4.0	1.3	1	10/19/15 12:00	10/19/15 15:32	108-90-7	
Chloroethane	<1.6	ug/kg	4.0	1.6	1	10/19/15 12:00	10/19/15 15:32	75-00-3	
Chloroform	<0.75	ug/kg	4.0	0.75	1	10/19/15 12:00	10/19/15 15:32	67-66-3	
Chloromethane	<0.44	ug/kg	4.0	0.44	1	10/19/15 12:00	10/19/15 15:32	74-87-3	
Dibromochloromethane	<1.4	ug/kg	4.0	1.4	1	10/19/15 12:00	10/19/15 15:32	124-48-1	
1,1-Dichloroethane	<1.9	ug/kg	4.0	1.9	1	10/19/15 12:00	10/19/15 15:32	75-34-3	
1,2-Dichloroethane	<0.78	ug/kg	4.0	0.78	1	10/19/15 12:00	10/19/15 15:32	107-06-2	
1,1-Dichloroethene	<1.8	ug/kg	4.0	1.8	1	10/19/15 12:00	10/19/15 15:32	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/kg	4.0	1.0	1	10/19/15 12:00	10/19/15 15:32	156-59-2	
trans-1,2-Dichloroethene	<0.98	ug/kg	4.0	0.98	1	10/19/15 12:00	10/19/15 15:32	156-60-5	
1,2-Dichloropropane	<1.0	ug/kg	4.0	1.0	1	10/19/15 12:00	10/19/15 15:32	78-87-5	
cis-1,3-Dichloropropene	<0.53	ug/kg	4.0	0.53	1	10/19/15 12:00	10/19/15 15:32	10061-01-5	
trans-1,3-Dichloropropene	<0.73	ug/kg	4.0	0.73	1	10/19/15 12:00	10/19/15 15:32	10061-02-6	
Ethylbenzene	<1.1	ug/kg	4.0	1.1	1	10/19/15 12:00	10/19/15 15:32	100-41-4	
2-Hexanone	<1.2	ug/kg	4.0	1.2	1	10/19/15 12:00	10/19/15 15:32	591-78-6	
Methylene Chloride	<1.5	ug/kg	4.0	1.5	1	10/19/15 12:00	10/19/15 15:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.97	ug/kg	4.0	0.97	1	10/19/15 12:00	10/19/15 15:32	108-10-1	
Methyl-tert-butyl ether	<0.79	ug/kg	4.0	0.79	1	10/19/15 12:00	10/19/15 15:32	1634-04-4	
Styrene	<0.60	ug/kg	4.0	0.60	1	10/19/15 12:00	10/19/15 15:32	100-42-5	
1,1,2,2-Tetrachloroethane	<1.6	ug/kg	4.0	1.6	1	10/19/15 12:00	10/19/15 15:32	79-34-5	
Tetrachloroethene	<1.2	ug/kg	4.0	1.2	1	10/19/15 12:00	10/19/15 15:32	127-18-4	
Toluene	<1.2	ug/kg	4.0	1.2	1	10/19/15 12:00	10/19/15 15:32	108-88-3	
1,1,1-Trichloroethane	<1.2	ug/kg	4.0	1.2	1	10/19/15 12:00	10/19/15 15:32	71-55-6	
1,1,2-Trichloroethane	<1.5	ug/kg	4.0	1.5	1	10/19/15 12:00	10/19/15 15:32	79-00-5	
Trichloroethene	<1.5	ug/kg	4.0	1.5	1	10/19/15 12:00	10/19/15 15:32	79-01-6	
Vinyl chloride	<0.43	ug/kg	4.0	0.43	1	10/19/15 12:00	10/19/15 15:32	75-01-4	
Xylene (Total)	<3.5	ug/kg	11.9	3.5	1	10/19/15 12:00	10/19/15 15:32	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	104	%	70-130		1	10/19/15 12:00	10/19/15 15:32	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: R-1 (5-9)-101415 **Lab ID: 40122890038** Collected: 10/14/15 11:05 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	103	%	67-138		1	10/19/15 12:00	10/19/15 15:32	2037-26-5	
4-Bromofluorobenzene (S)	90	%	68-130		1	10/19/15 12:00	10/19/15 15:32	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	3.7	%	0.10	0.10	1		10/15/15 18:37		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.95	Std. Units	0.100	0.0100	1		10/19/15 11:45		H6

Revised 11/05/15 16:33

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: EDI

Branch/Location:

Project Contact: Patricia/Colina

Phone: 312-345-1400

Project Number: 0295, 020

Project Name: FAT 55

Project State: FL

Sampled By (Print): Colin Penick

Sampled By (Sign): [Signature]

PO #:

Regulatory Program:

Data Package Options (billable)

MS/MSD (billable)

Matrix Codes

Page Lab #

Client Field ID

Date

Time

Matrix

Analyses Requested

VOCs

SVOCs

Total Metals

TCLP Metals

FACE Analytical www.facestabs.com

CHAIN OF CUSTODY

Preservation Codes: A=None, B-HCL, C-H2SO4, D-HNO3, E-DI Water, F-Methanol, G-NaOH, H-Sodium Bisulfate Solution, I-Sodium Thiosulfate, J-Other

Filtered? (YES/NO)

Preservation (CODE)*

UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

Page 1 of 1

410122890

Quote #: [Blank]

Mail To Contact: [Blank]

Mail To Company: [Blank]

Mail To Address: [Blank]

Invoice To Contact: [Blank]

Invoice To Company: [Blank]

Invoice To Address: [Blank]

Invoice To Phone: [Blank]

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

340ml EFT 3-4122agA

[Blank]

[Blank]

[Blank]

[Blank]

[Blank]

[Blank]

[Blank]

[Blank]

[Blank]

[Blank]

(Please Print Clearly)



UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

CHAIN OF CUSTODY

Preservation Codes
A=None B=HCl C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
PRESERVATION
(CODE)*

Company Name: **EDI**
 Branch/Location: **Phicia/Colin**
 Project Contact: **Phicia/Colin**
 Phone: **912-345-1400**
 Project Number: **0295.020**
 Project Name: **FAT 55**
 Project State: **FL**
 Sampled By (Print): **Colin Paries**
 Sampled By (Sign): *[Signature]*
 PO #:

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD (billable)
 On your sample
 NOT needed on your sample

Matrix Codes
 A = Air B = Soda C = Charcoal D = Oil S = Soil
 W = Water DW = Drinking Water GW = Ground Water SW = Surface Water WW = Waste Water
 SI = Sludge WP = Wipe

PAGE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
027	PV-3(0-8)-101415	10/14/15	0730	Soil
028	PV-4(0-8)-101415		0830	
029	PV-5(0-6)-101415 D		0845	
030	PV-5(0-6)-101415		0840	
031	CC-2(0-5)-101415		0950	
032	CC-2(5-9)-101415		1000	
033	CC-1(0-3)-101415		1010	
034	R-2(0-5)-101415		1025	
035	R-2(5-9)-101415		1035	
036	R-1(0-5)-101415		1050	
037	R-1(0-5)-101415 D		1055	
038	R-1(5-9)-101415		1105	
039	ALZ-12(0-5)-101415		1125	

Analyses Requested

V/I/N	Pick Label						
		X	VOCs				
		X	SVOCs				
		X	Total Metals				
		X	TCLP Metals				
		X	SPLP Metals				
		X	pH				

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed:

Transmit Prelim Rush Results by (complete what you want):
 Email #1:
 Email #2:
 Telephone:
 Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: *[Signature]* Date/Time: 10/14/15 1535
 Relinquished By: *[Signature]* Date/Time: 10/15/15 0835
 Relinquished By: *[Signature]* Date/Time: 10/15/15 0835

Received By: *[Signature]* Date/Time: 10/14/15 1535
 Received By: *[Signature]* Date/Time: 10/15/15 0835
 Received By: *[Signature]* Date/Time: 10/15/15 0835

Quote #:
 Mail To Contact:
 Mail To Company:
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)
 Profile #

Version 6.0.267/105

(Please Print Clearly)

Company Name: EDI
Branch/Location:
Project Contact: Patricia Cain
Phone:
Project Number: 0295.0020
Project Name: DOT 035-US6 E-555
Project State: Illinois
Sampled By (Print): Margaret Darny-Subic
Sampled By (Sign): mgdarny

PO #:
Regulatory Program:

Data Package Options (billable)
 EPA Level III
 EPA Level IV

M/S/MSD (billable)
 On your sample
 NOT needed on your sample

Matrix Codes
A = Air
B = Bids
C = Charcoal
O = Oil
S = Soil
SI = Sludge
W = Water
DW = Drinking Water
GW = Ground Water
SW = Surface Water
WW = Waste Water
WP = Wipe

PAGE LAB # CLIENT FIELD ID

DATE TIME MATRIX

04D VLI-2(5-10)-101415 10-14-15 1135 S

04I VLI-3(0-7)-101415 0-14-15 1230 S

04A VLI-3(7-14)-101415 0-14-15 1235 S

043 VLI-4(0-5)-101415 10-14-15 1253 S

044 VLI-4(5-10)-101415 10-14-15 1258 S

045 VLI-5(0-5)-101415 0-14-15 1315 S

04P VLI-5(0-5)-101415 10-14-15 1315 S

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Relinquished By: Brian Kueyprunk
Relinquished By: AS Logishis

Relinquished By:
Date/Time:
Received By:
Date/Time:

CHAIN OF CUSTODY



www.faceanals.com

Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Filtered? (YES/NO)
Preservation (CODE)*

V/I/N	Pick Letter	Analyses Requested	
		Matrix	Matrix
N	EF	VOCs	
N	A	SVOCs	
N	A	Total Metals	
N	A	TECP Metals	
N	A	OPRP Metals	
N	A	PH	

Quote #:

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

3-40ml EET 3-40mg

LAST ITEM

PAGE Project No. 40122890

Receipt Temp = 0.0410

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

(Please Print Clearly)

Company Name: EDI
 Branch/Location:
 Project Contact: Patricia Kolin
 Phone:
 Project Number: 0295-000
 Project Name: 1DOT 025-US6ET-33
 Project State: Illinois
 Sampled By (Print): Margaret Downy-Skovic
 Sampled By (Sign): *M. Downy-Skovic*
 PO #:
 Regulatory Program:

Data Package Options
 (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air
 B = Biotin
 C = Charcoal
 O = Oil
 S = Soil
 SI = Sludge
 W = Water
 DW = Drinking Water
 GW = Ground Water
 SW = Surface Water
 WP = Waste Water

PAGE LAB # CLIENT FIELD ID DATE TIME MATRIX



CHAIN OF CUSTODY

Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Y/N	Pick Label	ANALYSES REQUESTED
N	EF	VOCs
N	A	SVOCs
N	A	Total Metals
N	A	TCP Metals
N	D	SPLP Metals
N	A	PH

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
<i>M. Downy-Skovic</i>	10-14-15 1533	<i>Patricia Kolin</i>	10-14-15 1533	<i>Patricia Kolin</i>	10-14-15 1533	<i>Patricia Kolin</i>	10-14-15 1533
<i>Patricia Kolin</i>	10-15-15 0435	<i>Patricia Kolin</i>	10-15-15 0435	<i>Patricia Kolin</i>	10-15-15 0435	<i>Patricia Kolin</i>	10-15-15 0435

Quote #:
 Mail To Contact:
 Mail To Company:
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)

PACE Project No. 40122890
 Receipt Temp = 10.4118
 Sample Receipt pH
 OK / Adjusted
 Cooler/Custody Seal Present / Not Present Intact / Not Intact



Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Client Name: EDI

Project #:

WO#: 40122890

Courier: Fed Ex UPS Client Pace Other: CS LOGISTICS
Tracking #:



Custody Seal on Cooler/Box Present: X yes - no Seals intact: X yes - no

Custody Seal on Samples Present: yes X no Seals intact: yes - no

Packing Material: Bubble Wrap X Bubble Bags None Other

Thermometer Used SR104 Type of Ice: Wet Blue Dry None X Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 0.04, 1.0 Corr: 0.04, 1.0 Biological Tissue is Frozen: yes

Temp Blank Present: X yes - no

Person examining contents:
Date: 10/15/15
Initials: JL

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows of custody and sample condition checks. Includes items like Chain of Custody Present, Short Hold Time Analysis, Rush Turn Around Time, etc. with checkboxes and handwritten notes.

Client Notification/ Resolution: Person Contacted: Date/Time: If checked, see attached form for additional comments

Comments/ Resolution: 047 1 of 3 vials no collect date, 023 no collect times 10/15/15

Project Manager Review: Date: 10/15/15



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Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAI 55: Interstate Route 55 at US Route 6 Office Phone Number, if available: _____

Physical Site Location (address, including number and street):

23525 Eames Street (ISGS Site No. 693V-29)

City: Channahon State: IL Zip Code: _____

County: Will Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.461301308 Longitude: -88.186222929

(Decimal Degrees)

(-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: _____ BOL: _____ BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

Street Address: 201 West Center Court

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: Schaumburg State: IL

Zip Code: 60196-1096 Phone: 847-705-4101

Zip Code: 60196-1096 Phone: 847-705-4101

Contact: Sam Mead

Contact: Sam Mead

Email, if available: Sam.Mead@illinois.gov

Email, if available: Sam.Mead@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAI 55: Interstate Route 55 at US Route 6

Latitude: 41.461301308 Longitude: -88.186222929

Uncontaminated Site Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

- a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a):

LOCATIONS CC-1 AND CC-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 693V-29. SEE FIGURE 3-3 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

- b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

PACE ANALYTICAL REPORT - JOB ID: 40122890
ALSO SEE FIGURE 4-3 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

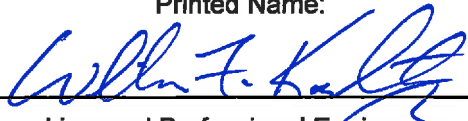
I, William F. Karlovitz, P.E. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Weston Solutions, Inc.
 Street Address: 300 Circle Plaza; Suite 202
 City: Mundelein State: IL Zip Code: 60060
 Phone: (224) 864-7200

William F. Karlovitz, P.E.

Printed Name:


 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

14 DEC 2015

Date:



P.E. or L.P.G. Seal:

Summary Table of ISGS Site No. 693V-29
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	CC-1 (0-3)-101415	CC-2 (0-5)-101415	CC-2 (5-9)-101415	Soil Reference Concentrations ^A
Sample Date	10/14/2015	10/14/2015	10/14/2015	
Location ID	CC-1	CC-2	CC-2	
Depth	0 - 3	0 - 5	5 - 9	
Lab Sample ID	40122890033	40122890031	40122890032	
Location Code	693V-29	693V-29	693V-29	
Parameter				
Laboratory pH	8.77 J	8.14 J	8.83 J	<6.25, >9.0
VOCs (ug/kg)				
Acetone	ND	ND	ND	25000
Methyl ethyl ketone	ND	ND	ND	---
Toluene	ND	ND	ND	12000
SVOCs (ug/kg)				
Benzo(a)pyrene	178	201	68.1 J	90 / 1300 / 2100
Total Metals (mg/kg)				
Arsenic, Total	4.9	7.2	1.2	11.3 / 13.0
Barium, Total	24.1	53.9	7.5 J	1500
Beryllium, Total	0.14 J	0.35 J	ND	22
Cadmium, Total	0.17 J	0.38 J	0.066 J	5.2
Calcium, Total	73400	13600	143000	---
Chromium, Total	11.6	12.5	3.6	21
Cobalt, Total	4.8	8	1.2	20
Copper, Total	16	18.8	6.2	2900
Iron, Total	11900	18000	4000	15000 / 15900
Lead, Total	8.4	17.4	1.2	107
Magnesium, Total	41600	9090	82900	325000
Manganese, Total	298	538	205	630 / 636
Mercury, Total	0.017 J	0.035	ND	0.89
Nickel, Total	10.2	13.6	2.6 J	100
Potassium, Total	681	910	444	---
Selenium, Total	0.24 J	0.35 J	0.46 J	1.3
Sodium, Total	497	513	189	---
Thallium, Total	ND	ND	ND	2.6
Vanadium, Total	18.3	28.4	4.6	550
Zinc, Total	25	48.3	6.5	5100
TCLP Metals (mg/l)				
Arsenic, TCLP	0.0061 J	ND	ND	0.05
Barium, TCLP	ND	ND	ND	2
Beryllium, TCLP	ND	ND	ND	0.004
Cadmium, TCLP	0.00057 J	0.00057 J	ND	0.005
Chromium, TCLP	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	0.0027 J	1
Copper, TCLP	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	0.0075
Manganese, TCLP	0.5	0.21	0.98	0.15
Mercury, TCLP	ND	ND	ND	0.002
Nickel, TCLP	0.0046 J	0.0023 J	0.0093 J	0.1
Selenium, TCLP	ND	0.0053 J	0.0063 J	0.05
Silver, TCLP	ND	ND	ND	0.05
Zinc, TCLP	ND	ND	ND	5
SPLP Metals (mg/l)				
Arsenic, SPLP	0.011	0.0069 J	ND	0.05
Barium, SPLP	0.13 J	0.1 J	ND	2
Beryllium, SPLP	0.00041 J	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	0.005
Chromium, SPLP	0.017	0.012	ND	0.1
Cobalt, SPLP	0.0065 J	0.0036 J	ND	1
Copper, SPLP	0.029	0.017	ND	0.65
Iron, SPLP	22	12.7	ND	5
Lead, SPLP	0.014	0.013	ND	0.0075
Manganese, SPLP	0.28	0.22	ND	0.15
Mercury, SPLP	ND	ND	ND	0.002
Nickel, SPLP	0.019 J	0.0099 J	ND	0.1
Selenium, SPLP	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	0.05
Zinc, SPLP	0.068	0.058	ND	5

Summary Table of ISGS Site No. 693V-29
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Notes:

--- - not applicable or value not available.

^A - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.


B - Constituent detected in the blank and investigative sample.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

J+ - Estimated concentration, biased high.

 Shaded values indicate concentration **exceeds** Reference Concentration.

November 05, 2015

Patricia Feeley, P.G.
Environmental Design International Inc.
33 West Monroe Street
Suite 1825
Chicago, IL 606035326

RE: Project: 0295.020 FAI 55
Pace Project No.: 40122890

Dear Patricia Feeley, P.G.:

Enclosed are the analytical results for sample(s) received by the laboratory on October 15, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Brian Basten for
Laurie Woelfel
laurie.woelfel@pacelabs.com
Project Manager

Enclosures

cc: Andrew Dorn, Environmental Design
Colin Pannier, Environmental Design



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0295.020 FAI 55
Pace Project No.: 40122890

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

New Orleans Certification IDs

California Env. Lab Accreditation Program Branch:
11277CA
Florida Department of Health (NELAC): E87595
Illinois Environmental Protection Agency: 0025721
Kansas Department of Health and Environment (NELAC):
E-10266
Louisiana Dept. of Environmental Quality (NELAC/LELAP):
02006

Pennsylvania Dept. of Env Protection (NELAC): 68-04202
Texas Commission on Env. Quality (NELAC):
T104704405-09-TX
U.S. Dept. of Agriculture Foreign Soil Import: P330-10-
00119

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263

North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP ID: 460263
Virginia VELAP Certification ID: 460263
Wisconsin Certification #: 405132750

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #E-10177
Kentucky UST Certification #: 0042
Kentucky WW Certification #:98019
Louisiana Certification #: 04076

Ohio VAP Certification #: CL-0065
Oklahoma Certification #: 2014-148
Texas Certification #: T104704355-15-9
West Virginia Certification #: 330
Wisconsin Certification #: 999788130
USDA Soil Permit #: P330-10-00128

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
WY STR Certification #: 2456.01
Arkansas Certification #: 15-016-0

Illinois Certification #: 003097
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: CC-2 (0-5)-101415 Lab ID: 40122890031 Collected: 10/14/15 09:50 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.11	mg/kg	3.2	0.11	1	10/19/15 14:14	10/21/15 22:29	7440-36-0	
Arsenic	7.2	mg/kg	1.1	0.29	1	10/19/15 14:14	10/21/15 22:29	7440-38-2	
Barium	53.9	mg/kg	21.0	0.27	1	10/19/15 14:14	10/21/15 22:29	7440-39-3	
Beryllium	0.35J	mg/kg	0.53	0.083	1	10/19/15 14:14	10/21/15 22:29	7440-41-7	
Cadmium	0.38J	mg/kg	0.53	0.067	1	10/19/15 14:14	10/21/15 22:29	7440-43-9	
Calcium	13600	mg/kg	105	2.8	1	10/19/15 14:14	10/21/15 22:29	7440-70-2	
Chromium	12.5	mg/kg	1.1	0.32	1	10/19/15 14:14	10/21/15 22:29	7440-47-3	
Cobalt	8.0	mg/kg	1.1	0.14	1	10/19/15 14:14	10/21/15 22:29	7440-48-4	
Copper	18.8	mg/kg	1.1	0.39	1	10/19/15 14:14	10/21/15 22:29	7440-50-8	
Iron	18000	mg/kg	5.3	0.81	1	10/19/15 14:14	10/21/15 22:29	7439-89-6	
Lead	17.4	mg/kg	0.53	0.29	1	10/19/15 14:14	10/21/15 22:29	7439-92-1	
Magnesium	9090	mg/kg	105	3.0	1	10/19/15 14:14	10/21/15 22:29	7439-95-4	
Manganese	538	mg/kg	1.1	0.20	1	10/19/15 14:14	10/21/15 22:29	7439-96-5	
Nickel	13.6	mg/kg	4.2	1.1	1	10/19/15 14:14	10/21/15 22:29	7440-02-0	
Potassium	910	mg/kg	105	3.3	1	10/19/15 14:14	10/21/15 22:29	7440-09-7	
Selenium	0.35J	mg/kg	2.1	0.22	1	10/19/15 14:14	10/21/15 22:29	7782-49-2	
Silver	<0.075	mg/kg	1.1	0.075	1	10/19/15 14:14	10/21/15 22:29	7440-22-4	
Sodium	513	mg/kg	105	17.7	1	10/19/15 14:14	10/21/15 22:29	7440-23-5	
Thallium	<0.16	mg/kg	0.53	0.16	1	10/19/15 14:14	10/21/15 22:29	7440-28-0	
Vanadium	28.4	mg/kg	5.3	0.33	1	10/19/15 14:14	10/21/15 22:29	7440-62-2	
Zinc	48.3	mg/kg	2.1	0.49	1	10/19/15 14:14	10/21/15 22:29	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/18/15 11:00

Arsenic	0.0069J	mg/L	0.010	0.0026	1	10/20/15 07:44	10/21/15 12:16	7440-38-2	
Barium	0.10J	mg/L	0.20	0.0037	1	10/20/15 07:44	10/21/15 12:16	7440-39-3	
Beryllium	<0.00025	mg/L	0.0050	0.00025	1	10/20/15 07:44	10/21/15 12:16	7440-41-7	
Cadmium	<0.00027	mg/L	0.0050	0.00027	1	10/20/15 07:44	10/21/15 12:16	7440-43-9	
Chromium	0.012	mg/L	0.010	0.0018	1	10/20/15 07:44	10/21/15 12:16	7440-47-3	
Cobalt	0.0036J	mg/L	0.010	0.00050	1	10/20/15 07:44	10/21/15 12:16	7440-48-4	
Copper	0.017	mg/L	0.010	0.0024	1	10/20/15 07:44	10/21/15 12:16	7440-50-8	
Iron	12.7	mg/L	0.050	0.0073	1	10/20/15 07:44	10/21/15 12:16	7439-89-6	
Lead	0.013	mg/L	0.0050	0.00084	1	10/20/15 07:44	10/21/15 12:16	7439-92-1	
Manganese	0.22	mg/L	0.010	0.00065	1	10/20/15 07:44	10/21/15 12:16	7439-96-5	
Nickel	0.0099J	mg/L	0.040	0.00041	1	10/20/15 07:44	10/21/15 12:16	7440-02-0	
Selenium	<0.0024	mg/L	0.020	0.0024	1	10/20/15 07:44	10/21/15 12:16	7782-49-2	
Silver	<0.00032	mg/L	0.010	0.00032	1	10/20/15 07:44	10/21/15 12:16	7440-22-4	
Zinc	0.058	mg/L	0.020	0.00076	1	10/20/15 07:44	10/21/15 12:16	7440-66-6	B

6010 Metals, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/21/15 17:00

Arsenic	<0.0053	mg/L	0.20	0.0053	1	10/22/15 12:12	10/22/15 17:16	7440-38-2	
Barium	0.37J	mg/L	2.0	0.0010	1	10/22/15 12:12	10/22/15 17:16	7440-39-3	B
Beryllium	<0.00050	mg/L	0.20	0.00050	1	10/22/15 12:12	10/22/15 17:16	7440-41-7	
Cadmium	0.00057J	mg/L	0.10	0.00054	1	10/22/15 12:12	10/22/15 17:16	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: **CC-2 (0-5)-101415** Lab ID: **40122890031** Collected: 10/14/15 09:50 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Chromium	<0.0037	mg/L	0.20	0.0037	1	10/22/15 12:12	10/22/15 17:16	7440-47-3	
Cobalt	<0.0010	mg/L	0.20	0.0010	1	10/22/15 12:12	10/22/15 17:16	7440-48-4	
Copper	0.0048J	mg/L	0.20	0.0048	1	10/22/15 12:12	10/22/15 17:16	7440-50-8	B
Iron	<0.015	mg/L	1.0	0.015	1	10/22/15 12:12	10/22/15 17:16	7439-89-6	
Lead	<0.0017	mg/L	0.20	0.0017	1	10/22/15 12:12	10/22/15 17:16	7439-92-1	
Manganese	0.21	mg/L	0.13	0.0013	1	10/22/15 12:12	10/22/15 17:16	7439-96-5	
Nickel	0.0023J	mg/L	0.20	0.00082	1	10/22/15 12:12	10/22/15 17:16	7440-02-0	
Selenium	0.0053J	mg/L	0.20	0.0049	1	10/22/15 12:12	10/22/15 17:16	7782-49-2	
Silver	<0.00065	mg/L	0.20	0.00065	1	10/22/15 12:12	10/22/15 17:16	7440-22-4	
Zinc	0.058J	mg/L	0.20	0.0015	1	10/22/15 12:12	10/22/15 17:16	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/18/15 11:00									
Mercury	0.000050J	mg/L	0.00020	0.000024	1	10/20/15 07:58	10/21/15 11:04	7439-97-6	B
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Mercury	<0.000024	mg/L	0.00020	0.000024	1	10/22/15 12:12	10/22/15 16:16	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.035	mg/kg	0.018	0.0088	1	10/19/15 15:05	10/20/15 14:37	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<66.0	ug/kg	220	66.0	1	10/21/15 08:58	10/22/15 11:53	83-32-9	
Acenaphthylene	<66.4	ug/kg	221	66.4	1	10/21/15 08:58	10/22/15 11:53	208-96-8	
Anthracene	36.3J	ug/kg	99.1	29.7	1	10/21/15 08:58	10/22/15 11:53	120-12-7	
Benzo(a)anthracene	176	ug/kg	96.1	28.8	1	10/21/15 08:58	10/22/15 11:53	56-55-3	
Benzo(a)pyrene	201	ug/kg	93.3	28.0	1	10/21/15 08:58	10/22/15 11:53	50-32-8	
Benzo(b)fluoranthene	184	ug/kg	107	32.0	1	10/21/15 08:58	10/22/15 11:53	205-99-2	
Benzo(g,h,i)perylene	141J	ug/kg	162	48.7	1	10/21/15 08:58	10/22/15 11:53	191-24-2	
Benzo(k)fluoranthene	225	ug/kg	149	44.6	1	10/21/15 08:58	10/22/15 11:53	207-08-9	
4-Bromophenylphenyl ether	<39.0	ug/kg	130	39.0	1	10/21/15 08:58	10/22/15 11:53	101-55-3	
Butylbenzylphthalate	<29.8	ug/kg	99.5	29.8	1	10/21/15 08:58	10/22/15 11:53	85-68-7	
Carbazole	<29.1	ug/kg	97.1	29.1	1	10/21/15 08:58	10/22/15 11:53	86-74-8	
4-Chloro-3-methylphenol	<57.9	ug/kg	193	57.9	1	10/21/15 08:58	10/22/15 11:53	59-50-7	
4-Chloroaniline	<30.6	ug/kg	102	30.6	1	10/21/15 08:58	10/22/15 11:53	106-47-8	
bis(2-Chloroethoxy)methane	<50.1	ug/kg	167	50.1	1	10/21/15 08:58	10/22/15 11:53	111-91-1	
bis(2-Chloroethyl) ether	<58.1	ug/kg	194	58.1	1	10/21/15 08:58	10/22/15 11:53	111-44-4	
2-Chloronaphthalene	<23.9	ug/kg	79.6	23.9	1	10/21/15 08:58	10/22/15 11:53	91-58-7	
2-Chlorophenol	<46.4	ug/kg	155	46.4	1	10/21/15 08:58	10/22/15 11:53	95-57-8	
4-Chlorophenylphenyl ether	<34.7	ug/kg	116	34.7	1	10/21/15 08:58	10/22/15 11:53	7005-72-3	
Chrysene	224	ug/kg	92.7	27.8	1	10/21/15 08:58	10/22/15 11:53	218-01-9	
Dibenz(a,h)anthracene	79.3J	ug/kg	168	50.5	1	10/21/15 08:58	10/22/15 11:53	53-70-3	
Dibenzofuran	<22.5	ug/kg	75.1	22.5	1	10/21/15 08:58	10/22/15 11:53	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: **CC-2 (0-5)-101415** Lab ID: **40122890031** Collected: 10/14/15 09:50 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<58.5	ug/kg	195	58.5	1	10/21/15 08:58	10/22/15 11:53	95-50-1	
1,3-Dichlorobenzene	<25.8	ug/kg	85.9	25.8	1	10/21/15 08:58	10/22/15 11:53	541-73-1	
1,4-Dichlorobenzene	<25.9	ug/kg	86.4	25.9	1	10/21/15 08:58	10/22/15 11:53	106-46-7	
3,3'-Dichlorobenzidine	<50.5	ug/kg	168	50.5	1	10/21/15 08:58	10/22/15 11:53	91-94-1	
2,4-Dichlorophenol	<49.7	ug/kg	166	49.7	1	10/21/15 08:58	10/22/15 11:53	120-83-2	
Diethylphthalate	<30.9	ug/kg	103	30.9	1	10/21/15 08:58	10/22/15 11:53	84-66-2	
2,4-Dimethylphenol	<36.8	ug/kg	123	36.8	1	10/21/15 08:58	10/22/15 11:53	105-67-9	
Dimethylphthalate	<24.2	ug/kg	80.7	24.2	1	10/21/15 08:58	10/22/15 11:53	131-11-3	
Di-n-butylphthalate	<27.8	ug/kg	92.7	27.8	1	10/21/15 08:58	10/22/15 11:53	84-74-2	
4,6-Dinitro-2-methylphenol	<57.4	ug/kg	191	57.4	1	10/21/15 08:58	10/22/15 11:53	534-52-1	
2,4-Dinitrophenol	<56.7	ug/kg	189	56.7	1	10/21/15 08:58	10/22/15 11:53	51-28-5	
2,4-Dinitrotoluene	<26.6	ug/kg	88.7	26.6	1	10/21/15 08:58	10/22/15 11:53	121-14-2	
2,6-Dinitrotoluene	<35.3	ug/kg	118	35.3	1	10/21/15 08:58	10/22/15 11:53	606-20-2	
Di-n-octylphthalate	<41.8	ug/kg	139	41.8	1	10/21/15 08:58	10/22/15 11:53	117-84-0	
bis(2-Ethylhexyl)phthalate	<30.9	ug/kg	103	30.9	1	10/21/15 08:58	10/22/15 11:53	117-81-7	
Fluoranthene	376	ug/kg	87.8	26.3	1	10/21/15 08:58	10/22/15 11:53	206-44-0	
Fluorene	<21.7	ug/kg	72.5	21.7	1	10/21/15 08:58	10/22/15 11:53	86-73-7	
Hexachloro-1,3-butadiene	<47.4	ug/kg	158	47.4	1	10/21/15 08:58	10/22/15 11:53	87-68-3	
Hexachlorobenzene	<31.3	ug/kg	104	31.3	1	10/21/15 08:58	10/22/15 11:53	118-74-1	
Hexachlorocyclopentadiene	<44.0	ug/kg	147	44.0	1	10/21/15 08:58	10/22/15 11:53	77-47-4	
Hexachloroethane	<29.8	ug/kg	99.3	29.8	1	10/21/15 08:58	10/22/15 11:53	67-72-1	
Indeno(1,2,3-cd)pyrene	143	ug/kg	134	40.3	1	10/21/15 08:58	10/22/15 11:53	193-39-5	
Isophorone	<28.6	ug/kg	95.3	28.6	1	10/21/15 08:58	10/22/15 11:53	78-59-1	
2-Methylnaphthalene	<48.3	ug/kg	161	48.3	1	10/21/15 08:58	10/22/15 11:53	91-57-6	
2-Methylphenol(o-Cresol)	<33.8	ug/kg	113	33.8	1	10/21/15 08:58	10/22/15 11:53	95-48-7	
3&4-Methylphenol(m&p Cresol)	<34.1	ug/kg	114	34.1	1	10/21/15 08:58	10/22/15 11:53		
Naphthalene	<65.1	ug/kg	217	65.1	1	10/21/15 08:58	10/22/15 11:53	91-20-3	
2-Nitroaniline	<53.0	ug/kg	177	53.0	1	10/21/15 08:58	10/22/15 11:53	88-74-4	
3-Nitroaniline	<31.6	ug/kg	105	31.6	1	10/21/15 08:58	10/22/15 11:53	99-09-2	
4-Nitroaniline	<77.2	ug/kg	257	77.2	1	10/21/15 08:58	10/22/15 11:53	100-01-6	
Nitrobenzene	<37.7	ug/kg	126	37.7	1	10/21/15 08:58	10/22/15 11:53	98-95-3	
2-Nitrophenol	<58.7	ug/kg	196	58.7	1	10/21/15 08:58	10/22/15 11:53	88-75-5	
4-Nitrophenol	<46.9	ug/kg	156	46.9	1	10/21/15 08:58	10/22/15 11:53	100-02-7	
N-Nitroso-di-n-propylamine	<29.5	ug/kg	98.4	29.5	1	10/21/15 08:58	10/22/15 11:53	621-64-7	
N-Nitrosodiphenylamine	<252	ug/kg	842	252	1	10/21/15 08:58	10/22/15 11:53	86-30-6	
2,2'-Oxybis(1-chloropropane)	<48.0	ug/kg	160	48.0	1	10/21/15 08:58	10/22/15 11:53	108-60-1	
Pentachlorophenol	<41.0	ug/kg	137	41.0	1	10/21/15 08:58	10/22/15 11:53	87-86-5	
Phenanthrene	174	ug/kg	79.6	23.9	1	10/21/15 08:58	10/22/15 11:53	85-01-8	
Phenol	<44.2	ug/kg	147	44.2	1	10/21/15 08:58	10/22/15 11:53	108-95-2	
Pyrene	634	ug/kg	137	41.2	1	10/21/15 08:58	10/22/15 11:53	129-00-0	
1,2,4-Trichlorobenzene	<21.0	ug/kg	70.1	21.0	1	10/21/15 08:58	10/22/15 11:53	120-82-1	
2,4,5-Trichlorophenol	<32.9	ug/kg	110	32.9	1	10/21/15 08:58	10/22/15 11:53	95-95-4	
2,4,6-Trichlorophenol	<28.4	ug/kg	94.6	28.4	1	10/21/15 08:58	10/22/15 11:53	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	63	%	45-130		1	10/21/15 08:58	10/22/15 11:53	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: CC-2 (0-5)-101415 **Lab ID: 40122890031** Collected: 10/14/15 09:50 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	72	%	51-130		1	10/21/15 08:58	10/22/15 11:53	321-60-8	
Terphenyl-d14 (S)	158	%	37-134		1	10/21/15 08:58	10/22/15 11:53	1718-51-0	S0
Phenol-d6 (S)	75	%	36-130		1	10/21/15 08:58	10/22/15 11:53	13127-88-3	
2-Fluorophenol (S)	61	%	37-130		1	10/21/15 08:58	10/22/15 11:53	367-12-4	
2,4,6-Tribromophenol (S)	85	%	30-130		1	10/21/15 08:58	10/22/15 11:53	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<3.5	ug/kg	11.2	3.5	1	10/19/15 12:00	10/19/15 12:52	67-64-1	2q
Benzene	<0.90	ug/kg	2.8	0.90	1	10/19/15 12:00	10/19/15 12:52	71-43-2	
Bromodichloromethane	<0.61	ug/kg	2.8	0.61	1	10/19/15 12:00	10/19/15 12:52	75-27-4	
Bromoform	<0.47	ug/kg	2.8	0.47	1	10/19/15 12:00	10/19/15 12:52	75-25-2	
Bromomethane	<0.84	ug/kg	5.6	0.84	1	10/19/15 12:00	10/19/15 12:52	74-83-9	
2-Butanone (MEK)	<1.6	ug/kg	11.2	1.6	1	10/19/15 12:00	10/19/15 12:52	78-93-3	
Carbon disulfide	<0.72	ug/kg	2.8	0.72	1	10/19/15 12:00	10/19/15 12:52	75-15-0	
Carbon tetrachloride	<0.89	ug/kg	2.8	0.89	1	10/19/15 12:00	10/19/15 12:52	56-23-5	
Chlorobenzene	<0.89	ug/kg	2.8	0.89	1	10/19/15 12:00	10/19/15 12:52	108-90-7	
Chloroethane	<1.1	ug/kg	2.8	1.1	1	10/19/15 12:00	10/19/15 12:52	75-00-3	
Chloroform	<0.53	ug/kg	2.8	0.53	1	10/19/15 12:00	10/19/15 12:52	67-66-3	
Chloromethane	<0.31	ug/kg	2.8	0.31	1	10/19/15 12:00	10/19/15 12:52	74-87-3	
Dibromochloromethane	<0.96	ug/kg	2.8	0.96	1	10/19/15 12:00	10/19/15 12:52	124-48-1	
1,1-Dichloroethane	<1.3	ug/kg	2.8	1.3	1	10/19/15 12:00	10/19/15 12:52	75-34-3	
1,2-Dichloroethane	<0.55	ug/kg	2.8	0.55	1	10/19/15 12:00	10/19/15 12:52	107-06-2	
1,1-Dichloroethene	<1.3	ug/kg	2.8	1.3	1	10/19/15 12:00	10/19/15 12:52	75-35-4	
cis-1,2-Dichloroethene	<0.74	ug/kg	2.8	0.74	1	10/19/15 12:00	10/19/15 12:52	156-59-2	
trans-1,2-Dichloroethene	<0.69	ug/kg	2.8	0.69	1	10/19/15 12:00	10/19/15 12:52	156-60-5	
1,2-Dichloropropane	<0.71	ug/kg	2.8	0.71	1	10/19/15 12:00	10/19/15 12:52	78-87-5	
cis-1,3-Dichloropropene	<0.37	ug/kg	2.8	0.37	1	10/19/15 12:00	10/19/15 12:52	10061-01-5	
trans-1,3-Dichloropropene	<0.52	ug/kg	2.8	0.52	1	10/19/15 12:00	10/19/15 12:52	10061-02-6	
Ethylbenzene	<0.81	ug/kg	2.8	0.81	1	10/19/15 12:00	10/19/15 12:52	100-41-4	
2-Hexanone	<0.83	ug/kg	2.8	0.83	1	10/19/15 12:00	10/19/15 12:52	591-78-6	
Methylene Chloride	<1.0	ug/kg	2.8	1.0	1	10/19/15 12:00	10/19/15 12:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.69	ug/kg	2.8	0.69	1	10/19/15 12:00	10/19/15 12:52	108-10-1	
Methyl-tert-butyl ether	<0.56	ug/kg	2.8	0.56	1	10/19/15 12:00	10/19/15 12:52	1634-04-4	
Styrene	<0.42	ug/kg	2.8	0.42	1	10/19/15 12:00	10/19/15 12:52	100-42-5	
1,1,2,2-Tetrachloroethane	<1.2	ug/kg	2.8	1.2	1	10/19/15 12:00	10/19/15 12:52	79-34-5	
Tetrachloroethene	<0.88	ug/kg	2.8	0.88	1	10/19/15 12:00	10/19/15 12:52	127-18-4	
Toluene	<0.83	ug/kg	2.8	0.83	1	10/19/15 12:00	10/19/15 12:52	108-88-3	
1,1,1-Trichloroethane	<0.86	ug/kg	2.8	0.86	1	10/19/15 12:00	10/19/15 12:52	71-55-6	
1,1,2-Trichloroethane	<1.1	ug/kg	2.8	1.1	1	10/19/15 12:00	10/19/15 12:52	79-00-5	
Trichloroethene	<1.1	ug/kg	2.8	1.1	1	10/19/15 12:00	10/19/15 12:52	79-01-6	
Vinyl chloride	<0.31	ug/kg	2.8	0.31	1	10/19/15 12:00	10/19/15 12:52	75-01-4	
Xylene (Total)	<2.5	ug/kg	8.4	2.5	1	10/19/15 12:00	10/19/15 12:52	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	107	%	70-130		1	10/19/15 12:00	10/19/15 12:52	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: CC-2 (0-5)-101415 **Lab ID: 40122890031** Collected: 10/14/15 09:50 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	102	%	67-138		1	10/19/15 12:00	10/19/15 12:52	2037-26-5	
4-Bromofluorobenzene (S)	93	%	68-130		1	10/19/15 12:00	10/19/15 12:52	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	10.3	%	0.10	0.10	1		10/15/15 18:08		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.14	Std. Units	0.100	0.0100	1		10/19/15 11:45		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: CC-2 (5-9)-101415 Lab ID: 40122890032 Collected: 10/14/15 10:00 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.092	mg/kg	2.8	0.092	1	10/19/15 14:14	10/21/15 22:33	7440-36-0	
Arsenic	1.2	mg/kg	0.92	0.25	1	10/19/15 14:14	10/21/15 22:33	7440-38-2	
Barium	7.5J	mg/kg	18.4	0.24	1	10/19/15 14:14	10/21/15 22:33	7440-39-3	
Beryllium	<0.073	mg/kg	0.46	0.073	1	10/19/15 14:14	10/21/15 22:33	7440-41-7	
Cadmium	0.066J	mg/kg	0.46	0.059	1	10/19/15 14:14	10/21/15 22:33	7440-43-9	
Calcium	143000	mg/kg	920	24.6	10	10/19/15 14:14	10/22/15 13:09	7440-70-2	
Chromium	3.6	mg/kg	0.92	0.28	1	10/19/15 14:14	10/21/15 22:33	7440-47-3	
Cobalt	1.2	mg/kg	0.92	0.12	1	10/19/15 14:14	10/21/15 22:33	7440-48-4	
Copper	6.2	mg/kg	0.92	0.34	1	10/19/15 14:14	10/21/15 22:33	7440-50-8	
Iron	4000	mg/kg	4.6	0.71	1	10/19/15 14:14	10/21/15 22:33	7439-89-6	
Lead	1.2	mg/kg	0.46	0.25	1	10/19/15 14:14	10/21/15 22:33	7439-92-1	
Magnesium	82900	mg/kg	920	26.3	10	10/19/15 14:14	10/22/15 13:09	7439-95-4	
Manganese	205	mg/kg	0.92	0.17	1	10/19/15 14:14	10/21/15 22:33	7439-96-5	
Nickel	2.6J	mg/kg	3.7	0.98	1	10/19/15 14:14	10/21/15 22:33	7440-02-0	
Potassium	444	mg/kg	92.0	2.9	1	10/19/15 14:14	10/21/15 22:33	7440-09-7	
Selenium	0.46J	mg/kg	1.8	0.19	1	10/19/15 14:14	10/21/15 22:33	7782-49-2	
Silver	<0.065	mg/kg	0.92	0.065	1	10/19/15 14:14	10/21/15 22:33	7440-22-4	
Sodium	189	mg/kg	92.0	15.4	1	10/19/15 14:14	10/21/15 22:33	7440-23-5	
Thallium	<0.14	mg/kg	0.46	0.14	1	10/19/15 14:14	10/21/15 22:33	7440-28-0	
Vanadium	4.6	mg/kg	4.6	0.29	1	10/19/15 14:14	10/21/15 22:33	7440-62-2	
Zinc	6.5	mg/kg	1.8	0.43	1	10/19/15 14:14	10/21/15 22:33	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/18/15 11:00

Arsenic	<0.0026	mg/L	0.010	0.0026	1	10/20/15 07:44	10/21/15 12:20	7440-38-2	
Barium	0.019J	mg/L	0.20	0.0037	1	10/20/15 07:44	10/21/15 12:20	7440-39-3	B
Beryllium	<0.00025	mg/L	0.0050	0.00025	1	10/20/15 07:44	10/21/15 12:20	7440-41-7	
Cadmium	<0.00027	mg/L	0.0050	0.00027	1	10/20/15 07:44	10/21/15 12:20	7440-43-9	
Chromium	<0.0018	mg/L	0.010	0.0018	1	10/20/15 07:44	10/21/15 12:20	7440-47-3	
Cobalt	<0.00050	mg/L	0.010	0.00050	1	10/20/15 07:44	10/21/15 12:20	7440-48-4	
Copper	<0.0024	mg/L	0.010	0.0024	1	10/20/15 07:44	10/21/15 12:20	7440-50-8	
Iron	0.020J	mg/L	0.050	0.0073	1	10/20/15 07:44	10/21/15 12:20	7439-89-6	B
Lead	<0.00084	mg/L	0.0050	0.00084	1	10/20/15 07:44	10/21/15 12:20	7439-92-1	
Manganese	<0.00065	mg/L	0.010	0.00065	1	10/20/15 07:44	10/21/15 12:20	7439-96-5	
Nickel	<0.00041	mg/L	0.040	0.00041	1	10/20/15 07:44	10/21/15 12:20	7440-02-0	
Selenium	<0.0024	mg/L	0.020	0.0024	1	10/20/15 07:44	10/21/15 12:20	7782-49-2	
Silver	<0.00032	mg/L	0.010	0.00032	1	10/20/15 07:44	10/21/15 12:20	7440-22-4	
Zinc	0.0020J	mg/L	0.020	0.00076	1	10/20/15 07:44	10/21/15 12:20	7440-66-6	B

6010 Metals, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/21/15 17:00

Arsenic	<0.0053	mg/L	0.20	0.0053	1	10/22/15 12:12	10/22/15 17:20	7440-38-2	
Barium	0.16J	mg/L	2.0	0.0010	1	10/22/15 12:12	10/22/15 17:20	7440-39-3	B
Beryllium	<0.00050	mg/L	0.20	0.00050	1	10/22/15 12:12	10/22/15 17:20	7440-41-7	
Cadmium	<0.00054	mg/L	0.10	0.00054	1	10/22/15 12:12	10/22/15 17:20	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: **CC-2 (5-9)-101415** Lab ID: **40122890032** Collected: 10/14/15 10:00 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Chromium	<0.0037	mg/L	0.20	0.0037	1	10/22/15 12:12	10/22/15 17:20	7440-47-3	
Cobalt	0.0027J	mg/L	0.20	0.0010	1	10/22/15 12:12	10/22/15 17:20	7440-48-4	
Copper	0.0088J	mg/L	0.20	0.0048	1	10/22/15 12:12	10/22/15 17:20	7440-50-8	B
Iron	<0.015	mg/L	1.0	0.015	1	10/22/15 12:12	10/22/15 17:20	7439-89-6	
Lead	<0.0017	mg/L	0.20	0.0017	1	10/22/15 12:12	10/22/15 17:20	7439-92-1	
Manganese	0.98	mg/L	0.13	0.0013	1	10/22/15 12:12	10/22/15 17:20	7439-96-5	
Nickel	0.0093J	mg/L	0.20	0.00082	1	10/22/15 12:12	10/22/15 17:20	7440-02-0	
Selenium	0.0063J	mg/L	0.20	0.0049	1	10/22/15 12:12	10/22/15 17:20	7782-49-2	
Silver	<0.00065	mg/L	0.20	0.00065	1	10/22/15 12:12	10/22/15 17:20	7440-22-4	
Zinc	0.035J	mg/L	0.20	0.0015	1	10/22/15 12:12	10/22/15 17:20	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/18/15 11:00									
Mercury	<0.000024	mg/L	0.00020	0.000024	1	10/20/15 07:58	10/21/15 11:06	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Mercury	<0.000024	mg/L	0.00020	0.000024	1	10/22/15 12:12	10/22/15 16:18	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	<0.0062	mg/kg	0.012	0.0062	1	10/19/15 15:05	10/20/15 14:39	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<62.1	ug/kg	207	62.1	1	10/21/15 08:58	10/22/15 12:47	83-32-9	
Acenaphthylene	<62.4	ug/kg	208	62.4	1	10/21/15 08:58	10/22/15 12:47	208-96-8	
Anthracene	<28.0	ug/kg	93.2	28.0	1	10/21/15 08:58	10/22/15 12:47	120-12-7	
Benzo(a)anthracene	61.9J	ug/kg	90.3	27.1	1	10/21/15 08:58	10/22/15 12:47	56-55-3	
Benzo(a)pyrene	68.1J	ug/kg	87.8	26.3	1	10/21/15 08:58	10/22/15 12:47	50-32-8	
Benzo(b)fluoranthene	86.3J	ug/kg	100	30.1	1	10/21/15 08:58	10/22/15 12:47	205-99-2	
Benzo(g,h,i)perylene	62.3J	ug/kg	153	45.8	1	10/21/15 08:58	10/22/15 12:47	191-24-2	
Benzo(k)fluoranthene	<41.9	ug/kg	140	41.9	1	10/21/15 08:58	10/22/15 12:47	207-08-9	
4-Bromophenylphenyl ether	<36.6	ug/kg	122	36.6	1	10/21/15 08:58	10/22/15 12:47	101-55-3	
Butylbenzylphthalate	<28.1	ug/kg	93.5	28.1	1	10/21/15 08:58	10/22/15 12:47	85-68-7	
Carbazole	<27.4	ug/kg	91.3	27.4	1	10/21/15 08:58	10/22/15 12:47	86-74-8	
4-Chloro-3-methylphenol	<54.5	ug/kg	181	54.5	1	10/21/15 08:58	10/22/15 12:47	59-50-7	
4-Chloroaniline	<28.8	ug/kg	95.9	28.8	1	10/21/15 08:58	10/22/15 12:47	106-47-8	
bis(2-Chloroethoxy)methane	<47.1	ug/kg	157	47.1	1	10/21/15 08:58	10/22/15 12:47	111-91-1	
bis(2-Chloroethyl) ether	<54.6	ug/kg	182	54.6	1	10/21/15 08:58	10/22/15 12:47	111-44-4	
2-Chloronaphthalene	<22.5	ug/kg	74.9	22.5	1	10/21/15 08:58	10/22/15 12:47	91-58-7	
2-Chlorophenol	<43.7	ug/kg	146	43.7	1	10/21/15 08:58	10/22/15 12:47	95-57-8	
4-Chlorophenylphenyl ether	<32.6	ug/kg	109	32.6	1	10/21/15 08:58	10/22/15 12:47	7005-72-3	
Chrysene	70.6J	ug/kg	87.2	26.2	1	10/21/15 08:58	10/22/15 12:47	218-01-9	
Dibenz(a,h)anthracene	<47.5	ug/kg	158	47.5	1	10/21/15 08:58	10/22/15 12:47	53-70-3	
Dibenzofuran	<21.2	ug/kg	70.6	21.2	1	10/21/15 08:58	10/22/15 12:47	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: CC-2 (5-9)-101415 **Lab ID: 40122890032** Collected: 10/14/15 10:00 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<55.0	ug/kg	183	55.0	1	10/21/15 08:58	10/22/15 12:47	95-50-1	
1,3-Dichlorobenzene	<24.2	ug/kg	80.8	24.2	1	10/21/15 08:58	10/22/15 12:47	541-73-1	
1,4-Dichlorobenzene	<24.4	ug/kg	81.3	24.4	1	10/21/15 08:58	10/22/15 12:47	106-46-7	
3,3'-Dichlorobenzidine	<47.5	ug/kg	158	47.5	1	10/21/15 08:58	10/22/15 12:47	91-94-1	
2,4-Dichlorophenol	<46.8	ug/kg	156	46.8	1	10/21/15 08:58	10/22/15 12:47	120-83-2	
Diethylphthalate	<29.0	ug/kg	96.7	29.0	1	10/21/15 08:58	10/22/15 12:47	84-66-2	
2,4-Dimethylphenol	<34.6	ug/kg	115	34.6	1	10/21/15 08:58	10/22/15 12:47	105-67-9	
Dimethylphthalate	<22.8	ug/kg	75.9	22.8	1	10/21/15 08:58	10/22/15 12:47	131-11-3	
Di-n-butylphthalate	<26.2	ug/kg	87.2	26.2	1	10/21/15 08:58	10/22/15 12:47	84-74-2	
4,6-Dinitro-2-methylphenol	<53.9	ug/kg	180	53.9	1	10/21/15 08:58	10/22/15 12:47	534-52-1	
2,4-Dinitrophenol	<53.3	ug/kg	178	53.3	1	10/21/15 08:58	10/22/15 12:47	51-28-5	
2,4-Dinitrotoluene	<25.0	ug/kg	83.4	25.0	1	10/21/15 08:58	10/22/15 12:47	121-14-2	
2,6-Dinitrotoluene	<33.2	ug/kg	111	33.2	1	10/21/15 08:58	10/22/15 12:47	606-20-2	
Di-n-octylphthalate	<39.3	ug/kg	131	39.3	1	10/21/15 08:58	10/22/15 12:47	117-84-0	
bis(2-Ethylhexyl)phthalate	<29.1	ug/kg	97.0	29.1	1	10/21/15 08:58	10/22/15 12:47	117-81-7	
Fluoranthene	142	ug/kg	82.5	24.8	1	10/21/15 08:58	10/22/15 12:47	206-44-0	
Fluorene	<20.5	ug/kg	68.2	20.5	1	10/21/15 08:58	10/22/15 12:47	86-73-7	
Hexachloro-1,3-butadiene	<44.6	ug/kg	149	44.6	1	10/21/15 08:58	10/22/15 12:47	87-68-3	
Hexachlorobenzene	<29.4	ug/kg	98.1	29.4	1	10/21/15 08:58	10/22/15 12:47	118-74-1	
Hexachlorocyclopentadiene	<41.4	ug/kg	138	41.4	1	10/21/15 08:58	10/22/15 12:47	77-47-4	
Hexachloroethane	<28.0	ug/kg	93.3	28.0	1	10/21/15 08:58	10/22/15 12:47	67-72-1	
Indeno(1,2,3-cd)pyrene	46.7J	ug/kg	126	37.9	1	10/21/15 08:58	10/22/15 12:47	193-39-5	
Isophorone	<26.9	ug/kg	89.7	26.9	1	10/21/15 08:58	10/22/15 12:47	78-59-1	
2-Methylnaphthalene	<45.4	ug/kg	151	45.4	1	10/21/15 08:58	10/22/15 12:47	91-57-6	
2-Methylphenol(o-Cresol)	<31.8	ug/kg	106	31.8	1	10/21/15 08:58	10/22/15 12:47	95-48-7	
3&4-Methylphenol(m&p Cresol)	<32.1	ug/kg	107	32.1	1	10/21/15 08:58	10/22/15 12:47		
Naphthalene	<61.2	ug/kg	204	61.2	1	10/21/15 08:58	10/22/15 12:47	91-20-3	
2-Nitroaniline	<49.9	ug/kg	166	49.9	1	10/21/15 08:58	10/22/15 12:47	88-74-4	
3-Nitroaniline	<29.8	ug/kg	99.2	29.8	1	10/21/15 08:58	10/22/15 12:47	99-09-2	
4-Nitroaniline	<72.6	ug/kg	242	72.6	1	10/21/15 08:58	10/22/15 12:47	100-01-6	
Nitrobenzene	<35.5	ug/kg	118	35.5	1	10/21/15 08:58	10/22/15 12:47	98-95-3	
2-Nitrophenol	<55.2	ug/kg	184	55.2	1	10/21/15 08:58	10/22/15 12:47	88-75-5	
4-Nitrophenol	<44.1	ug/kg	147	44.1	1	10/21/15 08:58	10/22/15 12:47	100-02-7	
N-Nitroso-di-n-propylamine	<27.8	ug/kg	92.5	27.8	1	10/21/15 08:58	10/22/15 12:47	621-64-7	
N-Nitrosodiphenylamine	<237	ug/kg	791	237	1	10/21/15 08:58	10/22/15 12:47	86-30-6	
2,2'-Oxybis(1-chloropropane)	<45.1	ug/kg	150	45.1	1	10/21/15 08:58	10/22/15 12:47	108-60-1	
Pentachlorophenol	<38.5	ug/kg	128	38.5	1	10/21/15 08:58	10/22/15 12:47	87-86-5	
Phenanthrene	69.7J	ug/kg	74.8	22.5	1	10/21/15 08:58	10/22/15 12:47	85-01-8	
Phenol	<41.5	ug/kg	138	41.5	1	10/21/15 08:58	10/22/15 12:47	108-95-2	
Pyrene	118J	ug/kg	129	38.8	1	10/21/15 08:58	10/22/15 12:47	129-00-0	
1,2,4-Trichlorobenzene	<19.8	ug/kg	65.9	19.8	1	10/21/15 08:58	10/22/15 12:47	120-82-1	
2,4,5-Trichlorophenol	<30.9	ug/kg	103	30.9	1	10/21/15 08:58	10/22/15 12:47	95-95-4	
2,4,6-Trichlorophenol	<26.7	ug/kg	88.9	26.7	1	10/21/15 08:58	10/22/15 12:47	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	70	%	45-130		1	10/21/15 08:58	10/22/15 12:47	4165-60-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: CC-2 (5-9)-101415 **Lab ID: 40122890032** Collected: 10/14/15 10:00 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	71	%	51-130		1	10/21/15 08:58	10/22/15 12:47	321-60-8	
Terphenyl-d14 (S)	77	%	37-134		1	10/21/15 08:58	10/22/15 12:47	1718-51-0	
Phenol-d6 (S)	67	%	36-130		1	10/21/15 08:58	10/22/15 12:47	13127-88-3	
2-Fluorophenol (S)	61	%	37-130		1	10/21/15 08:58	10/22/15 12:47	367-12-4	
2,4,6-Tribromophenol (S)	79	%	30-130		1	10/21/15 08:58	10/22/15 12:47	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<6.1	ug/kg	19.7	6.1	1	10/19/15 12:00	10/19/15 13:15	67-64-1	2q
Benzene	<1.6	ug/kg	4.9	1.6	1	10/19/15 12:00	10/19/15 13:15	71-43-2	
Bromodichloromethane	<1.1	ug/kg	4.9	1.1	1	10/19/15 12:00	10/19/15 13:15	75-27-4	
Bromoform	<0.84	ug/kg	4.9	0.84	1	10/19/15 12:00	10/19/15 13:15	75-25-2	
Bromomethane	<1.5	ug/kg	9.9	1.5	1	10/19/15 12:00	10/19/15 13:15	74-83-9	
2-Butanone (MEK)	<2.8	ug/kg	19.7	2.8	1	10/19/15 12:00	10/19/15 13:15	78-93-3	
Carbon disulfide	<1.3	ug/kg	4.9	1.3	1	10/19/15 12:00	10/19/15 13:15	75-15-0	
Carbon tetrachloride	<1.6	ug/kg	4.9	1.6	1	10/19/15 12:00	10/19/15 13:15	56-23-5	
Chlorobenzene	<1.6	ug/kg	4.9	1.6	1	10/19/15 12:00	10/19/15 13:15	108-90-7	
Chloroethane	<2.0	ug/kg	4.9	2.0	1	10/19/15 12:00	10/19/15 13:15	75-00-3	
Chloroform	<0.93	ug/kg	4.9	0.93	1	10/19/15 12:00	10/19/15 13:15	67-66-3	
Chloromethane	<0.55	ug/kg	4.9	0.55	1	10/19/15 12:00	10/19/15 13:15	74-87-3	
Dibromochloromethane	<1.7	ug/kg	4.9	1.7	1	10/19/15 12:00	10/19/15 13:15	124-48-1	
1,1-Dichloroethane	<2.3	ug/kg	4.9	2.3	1	10/19/15 12:00	10/19/15 13:15	75-34-3	
1,2-Dichloroethane	<0.97	ug/kg	4.9	0.97	1	10/19/15 12:00	10/19/15 13:15	107-06-2	
1,1-Dichloroethene	<2.2	ug/kg	4.9	2.2	1	10/19/15 12:00	10/19/15 13:15	75-35-4	
cis-1,2-Dichloroethene	<1.3	ug/kg	4.9	1.3	1	10/19/15 12:00	10/19/15 13:15	156-59-2	
trans-1,2-Dichloroethene	<1.2	ug/kg	4.9	1.2	1	10/19/15 12:00	10/19/15 13:15	156-60-5	
1,2-Dichloropropane	<1.2	ug/kg	4.9	1.2	1	10/19/15 12:00	10/19/15 13:15	78-87-5	
cis-1,3-Dichloropropene	<0.66	ug/kg	4.9	0.66	1	10/19/15 12:00	10/19/15 13:15	10061-01-5	
trans-1,3-Dichloropropene	<0.91	ug/kg	4.9	0.91	1	10/19/15 12:00	10/19/15 13:15	10061-02-6	
Ethylbenzene	<1.4	ug/kg	4.9	1.4	1	10/19/15 12:00	10/19/15 13:15	100-41-4	
2-Hexanone	<1.5	ug/kg	4.9	1.5	1	10/19/15 12:00	10/19/15 13:15	591-78-6	
Methylene Chloride	<1.8	ug/kg	4.9	1.8	1	10/19/15 12:00	10/19/15 13:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	<1.2	ug/kg	4.9	1.2	1	10/19/15 12:00	10/19/15 13:15	108-10-1	
Methyl-tert-butyl ether	<0.99	ug/kg	4.9	0.99	1	10/19/15 12:00	10/19/15 13:15	1634-04-4	
Styrene	<0.75	ug/kg	4.9	0.75	1	10/19/15 12:00	10/19/15 13:15	100-42-5	
1,1,2,2-Tetrachloroethane	<2.0	ug/kg	4.9	2.0	1	10/19/15 12:00	10/19/15 13:15	79-34-5	
Tetrachloroethene	<1.5	ug/kg	4.9	1.5	1	10/19/15 12:00	10/19/15 13:15	127-18-4	
Toluene	<1.5	ug/kg	4.9	1.5	1	10/19/15 12:00	10/19/15 13:15	108-88-3	
1,1,1-Trichloroethane	<1.5	ug/kg	4.9	1.5	1	10/19/15 12:00	10/19/15 13:15	71-55-6	
1,1,2-Trichloroethane	<1.9	ug/kg	4.9	1.9	1	10/19/15 12:00	10/19/15 13:15	79-00-5	
Trichloroethene	<1.9	ug/kg	4.9	1.9	1	10/19/15 12:00	10/19/15 13:15	79-01-6	
Vinyl chloride	<0.54	ug/kg	4.9	0.54	1	10/19/15 12:00	10/19/15 13:15	75-01-4	
Xylene (Total)	<4.4	ug/kg	14.8	4.4	1	10/19/15 12:00	10/19/15 13:15	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	107	%	70-130		1	10/19/15 12:00	10/19/15 13:15	1868-53-7	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: CC-2 (5-9)-101415 **Lab ID: 40122890032** Collected: 10/14/15 10:00 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	112	%	67-138		1	10/19/15 12:00	10/19/15 13:15	2037-26-5	
4-Bromofluorobenzene (S)	86	%	68-130		1	10/19/15 12:00	10/19/15 13:15	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	4.6	%	0.10	0.10	1		10/15/15 18:09		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.83	Std. Units	0.100	0.0100	1		10/19/15 11:45		H6

Revised 11/05/15 16:33

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: CC-1 (0-3)-101415 Lab ID: 40122890033 Collected: 10/14/15 10:10 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.094	mg/kg	2.8	0.094	1	10/19/15 14:14	10/21/15 22:45	7440-36-0	
Arsenic	4.9	mg/kg	0.94	0.26	1	10/19/15 14:14	10/21/15 22:45	7440-38-2	
Barium	24.1	mg/kg	18.9	0.25	1	10/19/15 14:14	10/21/15 22:45	7440-39-3	
Beryllium	0.14J	mg/kg	0.47	0.075	1	10/19/15 14:14	10/21/15 22:45	7440-41-7	
Cadmium	0.17J	mg/kg	0.47	0.060	1	10/19/15 14:14	10/21/15 22:45	7440-43-9	
Calcium	73400	mg/kg	944	25.2	10	10/19/15 14:14	10/22/15 13:13	7440-70-2	
Chromium	11.6	mg/kg	0.94	0.29	1	10/19/15 14:14	10/21/15 22:45	7440-47-3	
Cobalt	4.8	mg/kg	0.94	0.12	1	10/19/15 14:14	10/21/15 22:45	7440-48-4	
Copper	16.0	mg/kg	0.94	0.35	1	10/19/15 14:14	10/21/15 22:45	7440-50-8	
Iron	11900	mg/kg	4.7	0.73	1	10/19/15 14:14	10/21/15 22:45	7439-89-6	
Lead	8.4	mg/kg	0.47	0.26	1	10/19/15 14:14	10/21/15 22:45	7439-92-1	
Magnesium	41600	mg/kg	94.4	2.7	1	10/19/15 14:14	10/21/15 22:45	7439-95-4	
Manganese	298	mg/kg	0.94	0.18	1	10/19/15 14:14	10/21/15 22:45	7439-96-5	
Nickel	10.2	mg/kg	3.8	1.0	1	10/19/15 14:14	10/21/15 22:45	7440-02-0	
Potassium	681	mg/kg	94.4	3.0	1	10/19/15 14:14	10/21/15 22:45	7440-09-7	
Selenium	0.24J	mg/kg	1.9	0.19	1	10/19/15 14:14	10/21/15 22:45	7782-49-2	
Silver	<0.067	mg/kg	0.94	0.067	1	10/19/15 14:14	10/21/15 22:45	7440-22-4	
Sodium	497	mg/kg	94.4	15.9	1	10/19/15 14:14	10/21/15 22:45	7440-23-5	
Thallium	<0.14	mg/kg	0.47	0.14	1	10/19/15 14:14	10/21/15 22:45	7440-28-0	
Vanadium	18.3	mg/kg	4.7	0.29	1	10/19/15 14:14	10/21/15 22:45	7440-62-2	
Zinc	25.0	mg/kg	1.9	0.44	1	10/19/15 14:14	10/21/15 22:45	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1312; 10/18/15 11:00

Arsenic	0.011	mg/L	0.010	0.0026	1	10/20/15 07:44	10/21/15 12:24	7440-38-2	
Barium	0.13J	mg/L	0.20	0.0037	1	10/20/15 07:44	10/21/15 12:24	7440-39-3	
Beryllium	0.00041J	mg/L	0.0050	0.00025	1	10/20/15 07:44	10/21/15 12:24	7440-41-7	
Cadmium	<0.00027	mg/L	0.0050	0.00027	1	10/20/15 07:44	10/21/15 12:24	7440-43-9	
Chromium	0.017	mg/L	0.010	0.0018	1	10/20/15 07:44	10/21/15 12:24	7440-47-3	
Cobalt	0.0065J	mg/L	0.010	0.00050	1	10/20/15 07:44	10/21/15 12:24	7440-48-4	
Copper	0.029	mg/L	0.010	0.0024	1	10/20/15 07:44	10/21/15 12:24	7440-50-8	
Iron	22.0	mg/L	0.050	0.0073	1	10/20/15 07:44	10/21/15 12:24	7439-89-6	
Lead	0.014	mg/L	0.0050	0.00084	1	10/20/15 07:44	10/21/15 12:24	7439-92-1	
Manganese	0.28	mg/L	0.010	0.00065	1	10/20/15 07:44	10/21/15 12:24	7439-96-5	
Nickel	0.019J	mg/L	0.040	0.00041	1	10/20/15 07:44	10/21/15 12:24	7440-02-0	
Selenium	<0.0024	mg/L	0.020	0.0024	1	10/20/15 07:44	10/21/15 12:24	7782-49-2	
Silver	<0.00032	mg/L	0.010	0.00032	1	10/20/15 07:44	10/21/15 12:24	7440-22-4	
Zinc	0.068	mg/L	0.020	0.00076	1	10/20/15 07:44	10/21/15 12:24	7440-66-6	B

6010 Metals, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/21/15 17:00

Arsenic	0.0061J	mg/L	0.20	0.0053	1	10/22/15 12:12	10/22/15 17:24	7440-38-2	
Barium	0.27J	mg/L	2.0	0.0010	1	10/22/15 12:12	10/22/15 17:24	7440-39-3	B
Beryllium	<0.00050	mg/L	0.20	0.00050	1	10/22/15 12:12	10/22/15 17:24	7440-41-7	
Cadmium	0.00057J	mg/L	0.10	0.00054	1	10/22/15 12:12	10/22/15 17:24	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: **CC-1 (0-3)-101415** Lab ID: **40122890033** Collected: 10/14/15 10:10 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Chromium	<0.0037	mg/L	0.20	0.0037	1	10/22/15 12:12	10/22/15 17:24	7440-47-3	
Cobalt	<0.0010	mg/L	0.20	0.0010	1	10/22/15 12:12	10/22/15 17:24	7440-48-4	
Copper	0.0087J	mg/L	0.20	0.0048	1	10/22/15 12:12	10/22/15 17:24	7440-50-8	B
Iron	<0.015	mg/L	1.0	0.015	1	10/22/15 12:12	10/22/15 17:24	7439-89-6	
Lead	<0.0017	mg/L	0.20	0.0017	1	10/22/15 12:12	10/22/15 17:24	7439-92-1	
Manganese	0.50	mg/L	0.13	0.0013	1	10/22/15 12:12	10/22/15 17:24	7439-96-5	
Nickel	0.0046J	mg/L	0.20	0.00082	1	10/22/15 12:12	10/22/15 17:24	7440-02-0	
Selenium	<0.0049	mg/L	0.20	0.0049	1	10/22/15 12:12	10/22/15 17:24	7782-49-2	
Silver	<0.00065	mg/L	0.20	0.00065	1	10/22/15 12:12	10/22/15 17:24	7440-22-4	
Zinc	0.066J	mg/L	0.20	0.0015	1	10/22/15 12:12	10/22/15 17:24	7440-66-6	B
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1312; 10/18/15 11:00									
Mercury	0.000050J	mg/L	0.00020	0.000024	1	10/20/15 07:58	10/21/15 11:08	7439-97-6	B
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/21/15 17:00									
Mercury	<0.000024	mg/L	0.00020	0.000024	1	10/22/15 12:12	10/22/15 16:20	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.017J	mg/kg	0.018	0.0092	1	10/19/15 15:05	10/20/15 14:41	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<63.7	ug/kg	212	63.7	1	10/21/15 08:58	10/22/15 12:26	83-32-9	
Acenaphthylene	<64.1	ug/kg	214	64.1	1	10/21/15 08:58	10/22/15 12:26	208-96-8	
Anthracene	42.6J	ug/kg	95.7	28.7	1	10/21/15 08:58	10/22/15 12:26	120-12-7	
Benzo(a)anthracene	171	ug/kg	92.8	27.8	1	10/21/15 08:58	10/22/15 12:26	56-55-3	
Benzo(a)pyrene	178	ug/kg	90.1	27.0	1	10/21/15 08:58	10/22/15 12:26	50-32-8	
Benzo(b)fluoranthene	173	ug/kg	103	30.9	1	10/21/15 08:58	10/22/15 12:26	205-99-2	
Benzo(g,h,i)perylene	122J	ug/kg	157	47.0	1	10/21/15 08:58	10/22/15 12:26	191-24-2	
Benzo(k)fluoranthene	216	ug/kg	143	43.0	1	10/21/15 08:58	10/22/15 12:26	207-08-9	
4-Bromophenylphenyl ether	<37.6	ug/kg	125	37.6	1	10/21/15 08:58	10/22/15 12:26	101-55-3	
Butylbenzylphthalate	<28.8	ug/kg	96.1	28.8	1	10/21/15 08:58	10/22/15 12:26	85-68-7	
Carbazole	<28.1	ug/kg	93.8	28.1	1	10/21/15 08:58	10/22/15 12:26	86-74-8	
4-Chloro-3-methylphenol	<55.9	ug/kg	186	55.9	1	10/21/15 08:58	10/22/15 12:26	59-50-7	
4-Chloroaniline	<29.5	ug/kg	98.4	29.5	1	10/21/15 08:58	10/22/15 12:26	106-47-8	
bis(2-Chloroethoxy)methane	<48.4	ug/kg	161	48.4	1	10/21/15 08:58	10/22/15 12:26	111-91-1	
bis(2-Chloroethyl) ether	<56.1	ug/kg	187	56.1	1	10/21/15 08:58	10/22/15 12:26	111-44-4	
2-Chloronaphthalene	<23.1	ug/kg	76.9	23.1	1	10/21/15 08:58	10/22/15 12:26	91-58-7	
2-Chlorophenol	<44.9	ug/kg	150	44.9	1	10/21/15 08:58	10/22/15 12:26	95-57-8	
4-Chlorophenylphenyl ether	<33.5	ug/kg	112	33.5	1	10/21/15 08:58	10/22/15 12:26	7005-72-3	
Chrysene	229	ug/kg	89.6	26.9	1	10/21/15 08:58	10/22/15 12:26	218-01-9	
Dibenz(a,h)anthracene	65.8J	ug/kg	163	48.8	1	10/21/15 08:58	10/22/15 12:26	53-70-3	
Dibenzofuran	<21.8	ug/kg	72.5	21.8	1	10/21/15 08:58	10/22/15 12:26	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: CC-1 (0-3)-101415 **Lab ID:** 40122890033 Collected: 10/14/15 10:10 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2-Dichlorobenzene	<56.5	ug/kg	188	56.5	1	10/21/15 08:58	10/22/15 12:26	95-50-1	
1,3-Dichlorobenzene	<24.9	ug/kg	83.0	24.9	1	10/21/15 08:58	10/22/15 12:26	541-73-1	
1,4-Dichlorobenzene	<25.0	ug/kg	83.5	25.0	1	10/21/15 08:58	10/22/15 12:26	106-46-7	
3,3'-Dichlorobenzidine	<48.8	ug/kg	163	48.8	1	10/21/15 08:58	10/22/15 12:26	91-94-1	
2,4-Dichlorophenol	<48.0	ug/kg	160	48.0	1	10/21/15 08:58	10/22/15 12:26	120-83-2	
Diethylphthalate	<29.8	ug/kg	99.3	29.8	1	10/21/15 08:58	10/22/15 12:26	84-66-2	
2,4-Dimethylphenol	<35.5	ug/kg	118	35.5	1	10/21/15 08:58	10/22/15 12:26	105-67-9	
Dimethylphthalate	<23.4	ug/kg	77.9	23.4	1	10/21/15 08:58	10/22/15 12:26	131-11-3	
Di-n-butylphthalate	<26.9	ug/kg	89.5	26.9	1	10/21/15 08:58	10/22/15 12:26	84-74-2	
4,6-Dinitro-2-methylphenol	<55.4	ug/kg	185	55.4	1	10/21/15 08:58	10/22/15 12:26	534-52-1	
2,4-Dinitrophenol	<54.7	ug/kg	182	54.7	1	10/21/15 08:58	10/22/15 12:26	51-28-5	
2,4-Dinitrotoluene	<25.7	ug/kg	85.7	25.7	1	10/21/15 08:58	10/22/15 12:26	121-14-2	
2,6-Dinitrotoluene	<34.1	ug/kg	114	34.1	1	10/21/15 08:58	10/22/15 12:26	606-20-2	
Di-n-octylphthalate	<40.4	ug/kg	135	40.4	1	10/21/15 08:58	10/22/15 12:26	117-84-0	
bis(2-Ethylhexyl)phthalate	<29.9	ug/kg	99.6	29.9	1	10/21/15 08:58	10/22/15 12:26	117-81-7	
Fluoranthene	432	ug/kg	84.8	25.4	1	10/21/15 08:58	10/22/15 12:26	206-44-0	
Fluorene	<21.0	ug/kg	70.0	21.0	1	10/21/15 08:58	10/22/15 12:26	86-73-7	
Hexachloro-1,3-butadiene	<45.8	ug/kg	153	45.8	1	10/21/15 08:58	10/22/15 12:26	87-68-3	
Hexachlorobenzene	<30.2	ug/kg	101	30.2	1	10/21/15 08:58	10/22/15 12:26	118-74-1	
Hexachlorocyclopentadiene	<42.5	ug/kg	142	42.5	1	10/21/15 08:58	10/22/15 12:26	77-47-4	
Hexachloroethane	<28.8	ug/kg	95.9	28.8	1	10/21/15 08:58	10/22/15 12:26	67-72-1	
Indeno(1,2,3-cd)pyrene	129J	ug/kg	130	38.9	1	10/21/15 08:58	10/22/15 12:26	193-39-5	
Isophorone	<27.6	ug/kg	92.1	27.6	1	10/21/15 08:58	10/22/15 12:26	78-59-1	
2-Methylnaphthalene	<46.7	ug/kg	156	46.7	1	10/21/15 08:58	10/22/15 12:26	91-57-6	
2-Methylphenol(o-Cresol)	<32.7	ug/kg	109	32.7	1	10/21/15 08:58	10/22/15 12:26	95-48-7	
3&4-Methylphenol(m&p Cresol)	<32.9	ug/kg	110	32.9	1	10/21/15 08:58	10/22/15 12:26		
Naphthalene	<62.8	ug/kg	209	62.8	1	10/21/15 08:58	10/22/15 12:26	91-20-3	
2-Nitroaniline	<51.2	ug/kg	171	51.2	1	10/21/15 08:58	10/22/15 12:26	88-74-4	
3-Nitroaniline	<30.6	ug/kg	102	30.6	1	10/21/15 08:58	10/22/15 12:26	99-09-2	
4-Nitroaniline	<74.6	ug/kg	249	74.6	1	10/21/15 08:58	10/22/15 12:26	100-01-6	
Nitrobenzene	<36.4	ug/kg	121	36.4	1	10/21/15 08:58	10/22/15 12:26	98-95-3	
2-Nitrophenol	<56.7	ug/kg	189	56.7	1	10/21/15 08:58	10/22/15 12:26	88-75-5	
4-Nitrophenol	<45.3	ug/kg	151	45.3	1	10/21/15 08:58	10/22/15 12:26	100-02-7	
N-Nitroso-di-n-propylamine	<28.5	ug/kg	95.0	28.5	1	10/21/15 08:58	10/22/15 12:26	621-64-7	
N-Nitrosodiphenylamine	<244	ug/kg	813	244	1	10/21/15 08:58	10/22/15 12:26	86-30-6	
2,2'-Oxybis(1-chloropropane)	<46.3	ug/kg	154	46.3	1	10/21/15 08:58	10/22/15 12:26	108-60-1	
Pentachlorophenol	<39.6	ug/kg	132	39.6	1	10/21/15 08:58	10/22/15 12:26	87-86-5	
Phenanthrene	219	ug/kg	76.9	23.1	1	10/21/15 08:58	10/22/15 12:26	85-01-8	
Phenol	<42.7	ug/kg	142	42.7	1	10/21/15 08:58	10/22/15 12:26	108-95-2	
Pyrene	633	ug/kg	133	39.8	1	10/21/15 08:58	10/22/15 12:26	129-00-0	
1,2,4-Trichlorobenzene	<20.3	ug/kg	67.7	20.3	1	10/21/15 08:58	10/22/15 12:26	120-82-1	
2,4,5-Trichlorophenol	<31.7	ug/kg	106	31.7	1	10/21/15 08:58	10/22/15 12:26	95-95-4	
2,4,6-Trichlorophenol	<27.4	ug/kg	91.3	27.4	1	10/21/15 08:58	10/22/15 12:26	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	67	%	45-130		1	10/21/15 08:58	10/22/15 12:26	4165-60-0	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: **CC-1 (0-3)-101415** Lab ID: **40122890033** Collected: 10/14/15 10:10 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
2-Fluorobiphenyl (S)	80	%	51-130		1	10/21/15 08:58	10/22/15 12:26	321-60-8	
Terphenyl-d14 (S)	166	%	37-134		1	10/21/15 08:58	10/22/15 12:26	1718-51-0	S0
Phenol-d6 (S)	87	%	36-130		1	10/21/15 08:58	10/22/15 12:26	13127-88-3	
2-Fluorophenol (S)	67	%	37-130		1	10/21/15 08:58	10/22/15 12:26	367-12-4	
2,4,6-Tribromophenol (S)	96	%	30-130		1	10/21/15 08:58	10/22/15 12:26	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<3.6	ug/kg	11.7	3.6	1	10/19/15 12:00	10/19/15 13:38	67-64-1	2q
Benzene	<0.94	ug/kg	2.9	0.94	1	10/19/15 12:00	10/19/15 13:38	71-43-2	
Bromodichloromethane	<0.64	ug/kg	2.9	0.64	1	10/19/15 12:00	10/19/15 13:38	75-27-4	
Bromoform	<0.50	ug/kg	2.9	0.50	1	10/19/15 12:00	10/19/15 13:38	75-25-2	
Bromomethane	<0.88	ug/kg	5.9	0.88	1	10/19/15 12:00	10/19/15 13:38	74-83-9	
2-Butanone (MEK)	<1.7	ug/kg	11.7	1.7	1	10/19/15 12:00	10/19/15 13:38	78-93-3	
Carbon disulfide	<0.76	ug/kg	2.9	0.76	1	10/19/15 12:00	10/19/15 13:38	75-15-0	
Carbon tetrachloride	<0.93	ug/kg	2.9	0.93	1	10/19/15 12:00	10/19/15 13:38	56-23-5	
Chlorobenzene	<0.93	ug/kg	2.9	0.93	1	10/19/15 12:00	10/19/15 13:38	108-90-7	
Chloroethane	<1.2	ug/kg	2.9	1.2	1	10/19/15 12:00	10/19/15 13:38	75-00-3	
Chloroform	<0.55	ug/kg	2.9	0.55	1	10/19/15 12:00	10/19/15 13:38	67-66-3	
Chloromethane	<0.33	ug/kg	2.9	0.33	1	10/19/15 12:00	10/19/15 13:38	74-87-3	
Dibromochloromethane	<1.0	ug/kg	2.9	1.0	1	10/19/15 12:00	10/19/15 13:38	124-48-1	
1,1-Dichloroethane	<1.4	ug/kg	2.9	1.4	1	10/19/15 12:00	10/19/15 13:38	75-34-3	
1,2-Dichloroethane	<0.57	ug/kg	2.9	0.57	1	10/19/15 12:00	10/19/15 13:38	107-06-2	
1,1-Dichloroethene	<1.3	ug/kg	2.9	1.3	1	10/19/15 12:00	10/19/15 13:38	75-35-4	
cis-1,2-Dichloroethene	<0.78	ug/kg	2.9	0.78	1	10/19/15 12:00	10/19/15 13:38	156-59-2	
trans-1,2-Dichloroethene	<0.72	ug/kg	2.9	0.72	1	10/19/15 12:00	10/19/15 13:38	156-60-5	
1,2-Dichloropropane	<0.74	ug/kg	2.9	0.74	1	10/19/15 12:00	10/19/15 13:38	78-87-5	
cis-1,3-Dichloropropene	<0.39	ug/kg	2.9	0.39	1	10/19/15 12:00	10/19/15 13:38	10061-01-5	
trans-1,3-Dichloropropene	<0.54	ug/kg	2.9	0.54	1	10/19/15 12:00	10/19/15 13:38	10061-02-6	
Ethylbenzene	<0.84	ug/kg	2.9	0.84	1	10/19/15 12:00	10/19/15 13:38	100-41-4	
2-Hexanone	<0.87	ug/kg	2.9	0.87	1	10/19/15 12:00	10/19/15 13:38	591-78-6	
Methylene Chloride	<1.1	ug/kg	2.9	1.1	1	10/19/15 12:00	10/19/15 13:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.72	ug/kg	2.9	0.72	1	10/19/15 12:00	10/19/15 13:38	108-10-1	
Methyl-tert-butyl ether	<0.59	ug/kg	2.9	0.59	1	10/19/15 12:00	10/19/15 13:38	1634-04-4	
Styrene	<0.44	ug/kg	2.9	0.44	1	10/19/15 12:00	10/19/15 13:38	100-42-5	
1,1,2,2-Tetrachloroethane	<1.2	ug/kg	2.9	1.2	1	10/19/15 12:00	10/19/15 13:38	79-34-5	
Tetrachloroethene	<0.92	ug/kg	2.9	0.92	1	10/19/15 12:00	10/19/15 13:38	127-18-4	
Toluene	<0.87	ug/kg	2.9	0.87	1	10/19/15 12:00	10/19/15 13:38	108-88-3	
1,1,1-Trichloroethane	<0.90	ug/kg	2.9	0.90	1	10/19/15 12:00	10/19/15 13:38	71-55-6	
1,1,2-Trichloroethane	<1.1	ug/kg	2.9	1.1	1	10/19/15 12:00	10/19/15 13:38	79-00-5	
Trichloroethene	<1.1	ug/kg	2.9	1.1	1	10/19/15 12:00	10/19/15 13:38	79-01-6	
Vinyl chloride	<0.32	ug/kg	2.9	0.32	1	10/19/15 12:00	10/19/15 13:38	75-01-4	
Xylene (Total)	<2.6	ug/kg	8.8	2.6	1	10/19/15 12:00	10/19/15 13:38	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	103	%	70-130		1	10/19/15 12:00	10/19/15 13:38	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122890

Sample: CC-1 (0-3)-101415 **Lab ID: 40122890033** Collected: 10/14/15 10:10 Received: 10/15/15 09:24 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 8260							
Surrogates									
Toluene-d8 (S)	111	%	67-138		1	10/19/15 12:00	10/19/15 13:38	2037-26-5	
4-Bromofluorobenzene (S)	89	%	68-130		1	10/19/15 12:00	10/19/15 13:38	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	7.1	%	0.10	0.10	1		10/15/15 18:09		
9045 pH Soil		Analytical Method: EPA 9045							
pH at 25 Degrees C	8.77	Std. Units	0.100	0.0100	1		10/19/15 11:45		H6

Revised 11/05/15 16:33

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

(Please Print Clearly)

Company Name: EDI

Branch/Location:

Project Contact: Patricia/Colin

Phone: 312-345-1400

Project Number: 0895, 020

Project Name: FAT 55

Project State: FL

Sampled By (Print): Colin Penick

Sampled By (Sign): [Signature]

PO #:

Regulatory Program:

Data Package Options (billable) EPA Level III, EPA Level IV

MS/MSD (billable) On your sample, NOT needed on your sample

Matrix Codes A=Air, B=Biota, C=Charcoal, O=Oil, S=Soil, SI=Sludge, W=Water, DW=Drinking Water, GW=Ground Water, SW=Surface Water, WW=Waste Water, WP=Wipe

Page Lab # CLIENT FIELD ID

DATE COLLECTION TIME MATRIX

Analyses Requested VOCs, SVOCs, Total Metals, TCLP Metals, SPLP Metals, pH

Y/N Pick Label

Filtered? (YES/NO) Preservation (CODE)*

Retention Codes A=None, B-HCL, C-H2SO4, D-HNO3, E-DI Water, F-Methanol, G-NaOH, H-Sodium Bisulfate Solution, I-Sodium Thiosulfate, J-Other

Relinquished By: [Signature]

Relinquished By: [Signature]

Relinquished By: [Signature]

Relinquished By: [Signature]

Relinquished By: [Signature]

Relinquished By: [Signature]

Relinquished By: [Signature]

Relinquished By: [Signature]

Relinquished By: [Signature]

Relinquished By: [Signature]

CHAIN OF CUSTODY



www.facestabs.com

UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

410122890

Quote #: [Blank]

Mail To Contact: [Blank]

Mail To Company: [Blank]

Mail To Address: [Blank]

Invoice To Contact: [Blank]

Invoice To Company: [Blank]

Invoice To Address: [Blank]

Invoice To Phone: [Blank]

CLIENT COMMENTS [Blank]

LAB COMMENTS (Lab Use Only) 340ml EFT 3-4122agA

Profile # [Blank]

FACE Product No. 410122890

Receipt Temp = 004.10c

Sample Receipt PH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Version: 6.0 08/13/06

(Please Print Clearly)



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CHAIN OF CUSTODY

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

A=None B=HCL C=H2SO4 D=HNO3 E=D1 Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
 (YES/NO)
 PRESERVATION
 (CODE)

Company Name: EDT
 Branch/Location:
 Project Contact: Patricia Cain
 Phone:
 Project Number: 0295.020
 Project Name: 1010295-056ETS
 Project State: Illinois
 Sampled By (Print): Margaret O'Brien-Skibic
 Sampled By (Sign): [Signature]
 PO #:

Data Package Options (billable)
 EPA Level III
 EPA Level IV
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PAGE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
014	M11-1(0-5)-101415	10-14-15	0610	S
015	M11-1(5-9)-101415	10-14-15	0815	S
016	M11-2(0-5)-101415	10-14-15	0838	S
017	M11-2(5-9)-101415	10-14-15	0842	S
018	M11-3(0-5)-101415	10-14-15	0900	S
019	M11-3(5-9)-101415	10-14-15	0905	S
020	M11-4(0-6)-101415	10-14-15	0920	S
021	AB-2(0-7)-101415	10-14-15	1000	S
022	AB-2(0-7)-101415D	10-14-15	100	S
023	AB-1(0-7)-101415	10-14-15	1035	S
024	V11-1(0-5)-101415	10-14-15	1100	S
025	V11-1(5-10)-101415	10-14-15	1120	S
026	V11-2(0-5)-101415	10-14-15	1130	S

Analyses Requested	Y/N	Pick Letter	PRESERVATION (CODE)	
			DATE/TIME	DATE/TIME
VOCS	X			
SVOCs	X			
Total Metals	X			
Total Metals	X			
SPLP Metals	X			
pH	X			

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed:

Relinquished By: [Signature] Date/Time: 10-14-15 1559
 Relinquished By: [Signature] Date/Time: 10-14-15 1730
 Relinquished By: [Signature] Date/Time: 10-15-15 0935

Quote #:
 Mail To Contact:
 Mail To Company:
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:

CLIENT COMMENTS
3-4DMV EEF 3-4DMV

Received By: [Signature] Date/Time: 10-14-15 1739
 Received By: [Signature] Date/Time: 10-14-15 1739
 Received By: [Signature] Date/Time: 10-15-15 0935

Receipt Temp = 10.22890
 Sample Receipt pH
 OK / Adjusted
 Cooler Custody Seal
 Present / Not Present
 Intact / Not Intact

(Please Print Clearly)



CHAIN OF CUSTODY

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Company Name: **EDI**
 Branch/Location: **Phicia/Colin**
 Project Contact: **Phicia/Colin**
 Phone: **912-345-1400**
 Project Number: **0295.020**
 Project Name: **FAT 55**
 Project State: **FL**
 Sampled By (Print): **Colin Paries**
 Sampled By (Sign): *[Signature]*
 PO #:

Matrix Codes
 A = Air B = Soda C = Charcoal D = Inorganic E = DI Water F = Methanol G = NaOH
 H = Sodium Bisulfate Solution I = Sodium Thiosulfate J = Other
 W = Water DW = Drinking Water GW = Ground Water SW = Surface Water WW = Waste Water
 SI = Sludge WP = Wipe
 FILTERED? (YES/NO)
 PRESERVATION (CODE)*

Data Package Options (billable)
 EPA Level III
 EPA Level IV
 On your sample (billable)
 NOT needed on your sample

Regulatory Program:

Analyses Requested	V/N	Pick Letter
VOCs	X	
SVOCs	X	
Total Metals	X	
TCLP Metals	X	
SPLP Metals	X	
pH	X	

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX
027	PV-3(0-8)-101415	10/14/15	0730	Soil
028	PV-4(0-8)-101415	10/14/15	0830	
029	PV-5(0-6)-101415 D	10/14/15	0845	
030	PV-5(0-6)-101415	10/14/15	0840	
031	CC-2(0-5)-101415	10/14/15	0950	
032	CC-2(5-9)-101415	10/14/15	1000	
033	CC-1(0-3)-101415	10/14/15	1010	
034	R-2(0-5)-101415	10/14/15	1025	
035	R-2(5-9)-101415	10/14/15	1035	
036	R-1(0-5)-101415	10/14/15	1050	
037	R-1(0-5)-101415 D	10/14/15	1055	
038	R-1(5-9)-101415	10/14/15	1105	
039	ALZ-12(0-5)-101415	10/14/15	1125	

Relinquished By:	Date/Time:	Received By:	Date/Time:
<i>[Signature]</i>	10/14/15 1535	<i>[Signature]</i>	10/14/15 1535
<i>[Signature]</i>	10/14/15 1720	<i>[Signature]</i>	10/14/15 1720
<i>[Signature]</i>	10/15/15 0835	<i>[Signature]</i>	10/15/15 0835

Quote #:
 Mail To Contact:
 Mail To Company:
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)
 Profile #

Transmit Prelim Rush Results by (complete what you want):
 Email #1:
 Email #2:
 Telephone:
 Fax:

Relinquished By:
 Date/Time:
 Received By:
 Date/Time:

Receipt Temp =
 Sample Receipt pH
 OK / Adjusted
 Cooler Custody Seal Present / Not Present
 Intact / Not Intact

(Please Print Clearly)

Company Name: EDI
Branch/Location:
Project Contact: Patricia Cain
Phone:
Project Number: 0295.0020
Project Name: DOT 035-US6 E-SS
Project State: Illinois
Sampled By (Print): Margaret Darnery-Subic
Sampled By (Sign): mgstsubic

PO #:
Regulatory Program:

Data Package Options (billable)
 EPA Level III
 EPA Level IV

M/S/MSD (billable)
 On your sample
 NOT needed on your sample

Matrix Codes
A = Air
B = Bids
C = Charcoal
O = Oil
S = Soil
SI = Sludge
W = Water
DW = Drinking Water
GW = Ground Water
SW = Surface Water
WW = Waste Water
WP = Wipe

PAGE LAB # CLIENT FIELD ID

DATE TIME MATRIX

04D VLI-2(5-10)-101415 10-14-15 1135 S

04I VLI-3(0-7)-101415 0-14-15 1230 S

04A VLI-3(7-14)-101415 0-14-15 1235 S

043 VLI-4(0-5)-101415 10-14-15 1253 S

044 VLI-4(5-10)-101415 10-14-15 1258 S

045 VLI-5(0-5)-101415 0-14-15 1315 S

04P VLI-5(0-5)-101415 10-14-15 1315 S

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:
Email #2:
Telephone:
Fax:

Special pricing and release of liability



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CHAIN OF CUSTODY

Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Filtered? (YES/NO)
Preservation (CODE)*

V/I/N	Pick Letter	Analyses Requested
N	EF	VOCs
N	A	SVOCs
N	A	Total Metals
N	A	TECP Metals
N	A	OPRP Metals
N	A	PH

Quote #:

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

3-40ml EET 3-40mg

LAST ITEM

PAGE Project No.

40122890

Receipt Temp = 0.041°C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

UPPER MIDWEST REGION

MIN: 612-607-1700 WI: 920-469-2436

(Please Print Clearly)

Company Name: EDI
Branch/Location:
Project Contact: Patricia Kolin
Phone:
Project Number: 0295-000
Project Name: 1DOT 025-US6ET-33
Project State: Illinois
Sampled By (Print): Margaret Downy-Skovic
Sampled By (Sign): [Signature]



CHAIN OF CUSTODY

Preservation Codes
A=None B=HCl C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Regulatory Program:
Matrix Codes
W = Water
DW = Drinking Water
GW = Ground Water
SW = Surface Water
WP = Waste Water
SI = Sludge

Data Package Options
 (billable)
 EPA Level III
 EPA Level IV
 On your sample (billable)
 NOT needed on your sample

Page Lab # CLIENT FIELD ID
DATE TIME MATRIX

Page Lab #	CLIENT FIELD ID	DATE	TIME	MATRIX
047	VV-5(5-10)-101415	10-14-15	1320	S
048	SG-1(10-7)-101415	10-14-15	1405	S
049	SG-2(10-5)-101415	10-14-15	1427	S
050	SG-2(5-9)-101415	10-14-15	1432	S
051	SG-2(5-9)-101415	10-14-15	1432	S
052	PG-1(5-9)-101415	10-14-15	1500	S
053	PG-1(5-9)-101415	10-14-15	1505	S
054	A12-6(5-9)-101415	10-14-15	1510	S

Analyses Requested

Y/N	Pick Letter	VOCs	SVOCs	Total Metals	TCP Metals	SPP Metals	PH
N	EF	X	X	X	X	X	X
N	A	X	X	X	X	X	X
N	A	X	X	X	X	X	X
N	A	X	X	X	X	X	X
N	A	X	X	X	X	X	X
N	A	X	X	X	X	X	X
N	A	X	X	X	X	X	X
N	A	X	X	X	X	X	X

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:
Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Relinquished By: [Signature]
Date/Time: 10-14-15 1533
Relinquished By: [Signature]
Date/Time: 10-15-15 0435
Relinquished By: [Signature]
Date/Time: 10-15-15 0435

Received By: [Signature]
Date/Time: 10-14-15 1533
Received By: [Signature]
Date/Time: 10-14-15 1533
Received By: [Signature]
Date/Time: 10-15-15 0435

PACE Project No. 40122890
Receipt Temp = 10.41
Sample Receipt pH
Cooler/Custody Seal Present / Not Present Intact / Not Intact

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436



Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Client Name: EDI

Project #:

WO#: 40122890

Courier: Fed Ex UPS Client Pace Other: CS LOGISTICS
Tracking #:



Custody Seal on Cooler/Box Present: X yes - no Seals intact: X yes - no

Custody Seal on Samples Present: yes X no Seals intact: yes - no

Packing Material: Bubble Wrap X Bubble Bags None Other

Thermometer Used SR104 Type of Ice: Wet Blue Dry None X Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 0.04, 1.0 Corr: 0.04, 1.0 Biological Tissue is Frozen: yes

Temp Blank Present: X yes - no

Person examining contents:
Date: 10/15/15
Initials: JL

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows of custody and sample condition checks. Includes items like Chain of Custody Present, Short Hold Time Analysis, Rush Turn Around Time, etc.

Handwritten notes: no collect time 150, 022 no collect time, 021 no collect time, 025 no collect date, 032 ID AG 2-12/05, 043 1 of 3 vials no collect date

Client Notification/ Resolution: Person Contacted: Date/Time: If checked, see attached form for additional comments

Comments/ Resolution: 047 1 of 3 vials no collect date, 023 no collect times 10/15/15

Project Manager Review: Date: 10/15/15



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAI 55: Interstate Route 55 at US Route 6 Office Phone Number, if available: _____

Physical Site Location (address, including number and street):

23000 block of Eames Street (ISGS Site No. 693V-30)

City: Channahon State: IL Zip Code: _____

County: Will Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.461301308 Longitude: -88.186222929

(Decimal Degrees)

(-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: _____ BOL: _____ BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

Street Address: 201 West Center Court

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: Schaumburg State: IL

Zip Code: 60196-1096 Phone: 847-705-4101

Zip Code: 60196-1096 Phone: 847-705-4101

Contact: Sam Mead

Contact: Sam Mead

Email, if available: Sam.Mead@illinois.gov

Email, if available: Sam.Mead@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAI 55: Interstate Route 55 at US Route 6Latitude: 41.461301308 Longitude: -88.186222929Uncontaminated Site Certification**III. Basis for Certification and Attachments**

For each item listed below, reference the attachments to this form that provide the required information.

- a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a):

LOCATION VL2-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 693V-30. SEE FIGURE 3-3 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

- b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

PACE ANALYTICAL REPORT - JOB ID: 40122748
ALSO SEE FIGURE 4-3 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

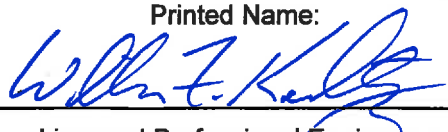
IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, William F. Karlovitz, P.E. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Weston Solutions, Inc.
Street Address: 300 Circle Plaza, Suite 202
City: Mundelein State: IL Zip Code: 60060
Phone: (224) 864-7200
William F. Karlovitz, P.E.

Printed Name:



Licensed Professional Engineer or
Licensed Professional Geologist Signature:

14 Dec. 2015

Date:



P.E. or L.P.G. Seal:

Summary Table of ISGS Site No. 693V-30
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Field Sample ID	VL2-1 (0-5)-101215	VL2-1 (5-9)-101215	Soil Reference Concentrations ^A
Sample Date	10/12/2015	10/12/2015	
Location ID	VL2-1	VL2-1	
Depth	0 - 5	5 - 9	
Lab Sample ID	40122748023	40122748024	
Location Code	693V-30	693V-30	
Parameter			
Laboratory pH	8.05 J	9 J	<6.25, >9.0
VOCs (ug/kg)			
Acetone	ND	8.8 J	25000
Methyl ethyl ketone	ND	ND	---
Toluene	ND	ND	12000
SVOCs (ug/kg)			
Benzo(a)pyrene	75.4 J	ND	90 / 1300 / 2100
Total Metals (mg/kg)			
Arsenic, Total	4.5	5.2	11.3 / 13.0
Barium, Total	26.8	10.5	1500
Beryllium, Total	0.27 J	ND	22
Cadmium, Total	ND	ND	5.2
Calcium, Total	134000	97000	---
Chromium, Total	7.7	7.1	21
Cobalt, Total	3.1	3.3	20
Copper, Total	7.3	9.9	2900
Iron, Total	8580	9120	15000 / 15900
Lead, Total	11.4 J	4.3 J	107
Magnesium, Total	77200	56400	325000
Manganese, Total	404	314	630 / 636
Mercury, Total	0.014 J	0.0052 J	0.89
Nickel, Total	7.4	9	100
Potassium, Total	1040 J	661	---
Selenium, Total	ND	ND	1.3
Sodium, Total	1290 J	658 J	---
Thallium, Total	0.83 J	1.5 J	2.6
Vanadium, Total	13.4	11.5	550
Zinc, Total	17.5 J	18.6 J	5100
TCLP Metals (mg/l)			
Arsenic, TCLP	ND	ND	0.05
Barium, TCLP	0.45 J	ND	2
Beryllium, TCLP	ND	ND	0.004
Cadmium, TCLP	ND	ND	0.005
Chromium, TCLP	ND	ND	0.1
Cobalt, TCLP	ND	0.022	1
Copper, TCLP	ND	ND	0.65
Iron, TCLP	ND	0.92	5
Lead, TCLP	ND	ND	0.0075
Manganese, TCLP	1	4.4	0.15
Mercury, TCLP	ND	ND	0.002
Nickel, TCLP	ND	0.034	0.1
Selenium, TCLP	0.0062 J	ND	0.05
Silver, TCLP	ND	ND	0.05
Zinc, TCLP	0.01 J	0.075	5
SPLP Metals (mg/l)			
Arsenic, SPLP	0.083	ND	0.05
Barium, SPLP	0.66	0.0073 J	2
Beryllium, SPLP	0.0075	ND	0.004
Cadmium, SPLP	0.0019 J	ND	0.005
Chromium, SPLP	0.18	ND	0.1
Cobalt, SPLP	0.055	ND	1
Copper, SPLP	0.14	ND	0.65
Iron, SPLP	188	0.036 J	5
Lead, SPLP	0.17	ND	0.0075
Manganese, SPLP	4.3	ND	0.15
Mercury, SPLP	ND	ND	0.002
Nickel, SPLP	0.17	0.00074 J	0.1
Selenium, SPLP	ND	ND	0.05
Silver, SPLP	0.0035 J	0.0049 J	0.05
Zinc, SPLP	0.46	ND	5

Summary Table of ISGS Site No. 693V-30
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAI 55: Interstate 55 at US Route 6 (Channahon Road)
Channahon, Will County, Illinois

Notes:

--- - not applicable or value not available.

^A - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.


B - Constituent detected in the blank and investigative sample.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J- - Estimated concentration, biased low.

J+ - Estimated concentration, biased high.

 Shaded values indicate concentration **exceeds** Reference Concentration.

November 05, 2015

Patricia Feeley, P.G.
Environmental Design International Inc.
33 West Monroe Street
Suite 1825
Chicago, IL 606035326

RE: Project: 0295.020 FAI 55
Pace Project No.: 40122748

Dear Patricia Feeley, P.G.:

Enclosed are the analytical results for sample(s) received by the laboratory on October 13, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Brian Basten for
Laurie Woelfel
laurie.woelfel@pacelabs.com
Project Manager

Enclosures

cc: Andrew Dorn, Environmental Design
Colin Pannier, Environmental Design



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263

North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP ID: 460263
Virginia VELAP Certification ID: 460263
Wisconsin Certification #: 405132750

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10177
Kentucky UST Certification #: 0042
Kentucky WW Certification #: 98019
Louisiana Certification #: 04076

Ohio VAP Certification #: CL-0065
Oklahoma Certification #: 2014-148
Texas Certification #: T104704355-15-9
West Virginia Certification #: 330
Wisconsin Certification #: 999788130
USDA Soil Permit #: P330-10-00128

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
WY STR Certification #: 2456.01
Arkansas Certification #: 15-016-0
Illinois Certification #: 003097
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407
Utah Certification #: KS00021

Revised 11/03/15 11:36

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: VL2-1 (0-5)-101215 **Lab ID:** 40122748023 Collected: 10/12/15 14:10 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.54	mg/kg	1.1	0.54	1	10/16/15 11:38	10/19/15 07:38	7440-36-0	
Arsenic	4.5	mg/kg	1.1	0.54	1	10/16/15 11:38	10/19/15 07:38	7440-38-2	
Barium	26.8	mg/kg	1.1	0.54	1	10/16/15 11:38	10/19/15 07:38	7440-39-3	
Beryllium	0.27J	mg/kg	0.54	0.27	1	10/16/15 11:38	10/19/15 07:38	7440-41-7	
Cadmium	<0.27	mg/kg	0.54	0.27	1	10/16/15 11:38	10/19/15 07:38	7440-43-9	
Calcium	134000	mg/kg	5420	2710	100	10/16/15 11:38	10/19/15 08:40	7440-70-2	
Chromium	7.7	mg/kg	1.1	0.54	1	10/16/15 11:38	10/19/15 07:38	7440-47-3	
Cobalt	3.1	mg/kg	1.1	0.54	1	10/16/15 11:38	10/19/15 07:38	7440-48-4	
Copper	7.3	mg/kg	1.1	0.54	1	10/16/15 11:38	10/19/15 07:38	7440-50-8	
Iron	8580	mg/kg	54.2	27.1	1	10/16/15 11:38	10/19/15 07:38	7439-89-6	
Lead	11.4	mg/kg	1.1	0.54	1	10/16/15 11:38	10/19/15 07:38	7439-92-1	
Magnesium	77200	mg/kg	5420	2710	100	10/16/15 11:38	10/19/15 08:40	7439-95-4	
Manganese	404	mg/kg	1.1	0.54	1	10/16/15 11:38	10/19/15 07:38	7439-96-5	
Nickel	7.4	mg/kg	1.1	0.54	1	10/16/15 11:38	10/19/15 07:38	7440-02-0	
Potassium	1040	mg/kg	54.2	27.1	1	10/16/15 11:38	10/19/15 07:38	7440-09-7	
Selenium	<0.54	mg/kg	1.1	0.54	1	10/16/15 11:38	10/19/15 07:38	7782-49-2	
Silver	<0.27	mg/kg	0.54	0.27	1	10/16/15 11:38	10/19/15 07:38	7440-22-4	
Sodium	1290	mg/kg	54.2	27.1	1	10/16/15 11:38	10/19/15 07:38	7440-23-5	
Thallium	0.83J	mg/kg	1.1	0.54	1	10/16/15 11:38	10/19/15 07:38	7440-28-0	
Vanadium	13.4	mg/kg	1.1	0.54	1	10/16/15 11:38	10/19/15 07:38	7440-62-2	
Zinc	17.5	mg/kg	1.1	0.54	1	10/16/15 11:38	10/19/15 07:38	7440-66-6	

6010 MET ICP, SPLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Arsenic	0.083	mg/L	0.010	0.0029	1	10/21/15 06:57	10/25/15 11:13	7440-38-2	
Barium	0.66	mg/L	0.50	0.0033	1	10/21/15 06:57	10/25/15 11:13	7440-39-3	
Beryllium	0.0075	mg/L	0.0040	0.00031	1	10/21/15 06:57	10/25/15 11:13	7440-41-7	
Cadmium	0.0019J	mg/L	0.0050	0.00021	1	10/21/15 06:57	10/25/15 11:13	7440-43-9	
Chromium	0.18	mg/L	0.010	0.0025	1	10/21/15 06:57	10/25/15 11:13	7440-47-3	
Cobalt	0.055	mg/L	0.010	0.00053	1	10/21/15 06:57	10/25/15 11:13	7440-48-4	
Copper	0.14	mg/L	0.010	0.0040	1	10/21/15 06:57	10/25/15 11:13	7440-50-8	
Iron	188	mg/L	0.10	0.016	1	10/21/15 06:57	10/25/15 11:13	7439-89-6	
Lead	0.17	mg/L	0.010	0.0029	1	10/21/15 06:57	10/25/15 11:13	7439-92-1	
Manganese	4.3	mg/L	0.010	0.0010	1	10/21/15 06:57	10/25/15 11:13	7439-96-5	
Nickel	0.17	mg/L	0.010	0.00074	1	10/21/15 06:57	10/25/15 11:13	7440-02-0	
Selenium	<0.0033	mg/L	0.010	0.0033	1	10/21/15 06:57	10/25/15 11:13	7782-49-2	
Silver	0.0035J	mg/L	0.010	0.0033	1	10/21/15 06:57	10/25/15 11:13	7440-22-4	
Zinc	0.46	mg/L	0.020	0.0030	1	10/21/15 06:57	10/25/15 11:13	7440-66-6	

6010 MET ICP, TCLP

Analytical Method: EPA 6010 Preparation Method: EPA 3010

Leachate Method/Date: EPA 1311; 10/14/15 19:10

Arsenic	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:13	7440-38-2	
Barium	0.45J	mg/L	0.50	0.25	1	10/15/15 16:52	10/19/15 02:13	7440-39-3	
Beryllium	<0.0020	mg/L	0.0040	0.0020	1	10/15/15 16:52	10/19/15 02:13	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/15/15 16:52	10/19/15 02:13	7440-43-9	
Chromium	<0.0052	mg/L	0.010	0.0052	1	10/15/15 16:52	10/19/15 02:13	7440-47-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: VL2-1 (0-5)-101215 Lab ID: 40122748023 Collected: 10/12/15 14:10 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/14/15 19:10									
Cobalt	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:13	7440-48-4	
Copper	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:13	7440-50-8	
Iron	<0.050	mg/L	0.10	0.050	1	10/15/15 16:52	10/19/15 02:13	7439-89-6	
Lead	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:13	7439-92-1	
Manganese	1.0	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:13	7439-96-5	
Nickel	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:13	7440-02-0	
Selenium	0.0062J	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:13	7782-49-2	
Silver	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 02:13	7440-22-4	
Zinc	0.010J	mg/L	0.020	0.010	1	10/15/15 16:52	10/19/15 02:13	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.33	ug/L	0.67	0.33	1	10/20/15 19:24	10/21/15 12:13	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/14/15 19:10									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/20/15 19:25	10/21/15 13:59	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.014J	mg/kg	0.24	0.0049	1	10/16/15 20:04	10/16/15 22:08	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<67.6	ug/kg	225	67.6	1	10/14/15 10:45	10/15/15 17:14	83-32-9	
Acenaphthylene	<68.0	ug/kg	227	68.0	1	10/14/15 10:45	10/15/15 17:14	208-96-8	
Anthracene	<30.5	ug/kg	102	30.5	1	10/14/15 10:45	10/15/15 17:14	120-12-7	
Benzo(a)anthracene	42.9J	ug/kg	98.4	29.5	1	10/14/15 10:45	10/15/15 17:14	56-55-3	
Benzo(a)pyrene	75.4J	ug/kg	95.6	28.7	1	10/14/15 10:45	10/15/15 17:14	50-32-8	
Benzo(b)fluoranthene	52.2J	ug/kg	109	32.7	1	10/14/15 10:45	10/15/15 17:14	205-99-2	
Benzo(g,h,i)perylene	60.2J	ug/kg	166	49.9	1	10/14/15 10:45	10/15/15 17:14	191-24-2	
Benzo(k)fluoranthene	69.2J	ug/kg	152	45.6	1	10/14/15 10:45	10/15/15 17:14	207-08-9	
4-Bromophenylphenyl ether	<39.9	ug/kg	133	39.9	1	10/14/15 10:45	10/15/15 17:14	101-55-3	
Butylbenzylphthalate	<30.6	ug/kg	102	30.6	1	10/14/15 10:45	10/15/15 17:14	85-68-7	
Carbazole	<29.8	ug/kg	99.5	29.8	1	10/14/15 10:45	10/15/15 17:14	86-74-8	
4-Chloro-3-methylphenol	<59.3	ug/kg	198	59.3	1	10/14/15 10:45	10/15/15 17:14	59-50-7	
4-Chloroaniline	<31.3	ug/kg	104	31.3	1	10/14/15 10:45	10/15/15 17:14	106-47-8	
bis(2-Chloroethoxy)methane	<51.3	ug/kg	171	51.3	1	10/14/15 10:45	10/15/15 17:14	111-91-1	
bis(2-Chloroethyl) ether	<59.5	ug/kg	198	59.5	1	10/14/15 10:45	10/15/15 17:14	111-44-4	
2-Chloronaphthalene	<24.5	ug/kg	81.6	24.5	1	10/14/15 10:45	10/15/15 17:14	91-58-7	
2-Chlorophenol	<47.6	ug/kg	159	47.6	1	10/14/15 10:45	10/15/15 17:14	95-57-8	
4-Chlorophenylphenyl ether	<35.5	ug/kg	118	35.5	1	10/14/15 10:45	10/15/15 17:14	7005-72-3	
Chrysene	53.9J	ug/kg	95.0	28.5	1	10/14/15 10:45	10/15/15 17:14	218-01-9	L2
Dibenz(a,h)anthracene	<51.8	ug/kg	173	51.8	1	10/14/15 10:45	10/15/15 17:14	53-70-3	
Dibenzofuran	<23.1	ug/kg	76.9	23.1	1	10/14/15 10:45	10/15/15 17:14	132-64-9	
1,2-Dichlorobenzene	<59.9	ug/kg	200	59.9	1	10/14/15 10:45	10/15/15 17:14	95-50-1	
1,3-Dichlorobenzene	<26.4	ug/kg	88.0	26.4	1	10/14/15 10:45	10/15/15 17:14	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: VL2-1 (0-5)-101215 **Lab ID:** 40122748023 Collected: 10/12/15 14:10 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,4-Dichlorobenzene	<26.5	ug/kg	88.5	26.5	1	10/14/15 10:45	10/15/15 17:14	106-46-7	
3,3'-Dichlorobenzidine	<51.7	ug/kg	172	51.7	1	10/14/15 10:45	10/15/15 17:14	91-94-1	
2,4-Dichlorophenol	<50.9	ug/kg	170	50.9	1	10/14/15 10:45	10/15/15 17:14	120-83-2	
Diethylphthalate	<31.6	ug/kg	105	31.6	1	10/14/15 10:45	10/15/15 17:14	84-66-2	
2,4-Dimethylphenol	<37.7	ug/kg	126	37.7	1	10/14/15 10:45	10/15/15 17:14	105-67-9	
Dimethylphthalate	<24.8	ug/kg	82.6	24.8	1	10/14/15 10:45	10/15/15 17:14	131-11-3	
Di-n-butylphthalate	<28.5	ug/kg	94.9	28.5	1	10/14/15 10:45	10/15/15 17:14	84-74-2	
4,6-Dinitro-2-methylphenol	<58.7	ug/kg	196	58.7	1	10/14/15 10:45	10/15/15 17:14	534-52-1	
2,4-Dinitrophenol	<58.1	ug/kg	194	58.1	1	10/14/15 10:45	10/15/15 17:14	51-28-5	
2,4-Dinitrotoluene	<27.3	ug/kg	90.8	27.3	1	10/14/15 10:45	10/15/15 17:14	121-14-2	
2,6-Dinitrotoluene	<36.2	ug/kg	121	36.2	1	10/14/15 10:45	10/15/15 17:14	606-20-2	
Di-n-octylphthalate	<42.8	ug/kg	143	42.8	1	10/14/15 10:45	10/15/15 17:14	117-84-0	
bis(2-Ethylhexyl)phthalate	<31.7	ug/kg	106	31.7	1	10/14/15 10:45	10/15/15 17:14	117-81-7	
Fluoranthene	27.7J	ug/kg	89.9	27.0	1	10/14/15 10:45	10/15/15 17:14	206-44-0	
Fluorene	<22.3	ug/kg	74.2	22.3	1	10/14/15 10:45	10/15/15 17:14	86-73-7	
Hexachloro-1,3-butadiene	<48.5	ug/kg	162	48.5	1	10/14/15 10:45	10/15/15 17:14	87-68-3	
Hexachlorobenzene	<32.1	ug/kg	107	32.1	1	10/14/15 10:45	10/15/15 17:14	118-74-1	
Hexachlorocyclopentadiene	<45.1	ug/kg	150	45.1	1	10/14/15 10:45	10/15/15 17:14	77-47-4	
Hexachloroethane	<30.5	ug/kg	102	30.5	1	10/14/15 10:45	10/15/15 17:14	67-72-1	
Indeno(1,2,3-cd)pyrene	61.7J	ug/kg	137	41.2	1	10/14/15 10:45	10/15/15 17:14	193-39-5	
Isophorone	<29.3	ug/kg	97.7	29.3	1	10/14/15 10:45	10/15/15 17:14	78-59-1	
2-Methylnaphthalene	<49.5	ug/kg	165	49.5	1	10/14/15 10:45	10/15/15 17:14	91-57-6	
2-Methylphenol(o-Cresol)	<34.6	ug/kg	115	34.6	1	10/14/15 10:45	10/15/15 17:14	95-48-7	
3&4-Methylphenol(m&p Cresol)	<34.9	ug/kg	116	34.9	1	10/14/15 10:45	10/15/15 17:14		
Naphthalene	<66.6	ug/kg	222	66.6	1	10/14/15 10:45	10/15/15 17:14	91-20-3	
2-Nitroaniline	<54.3	ug/kg	181	54.3	1	10/14/15 10:45	10/15/15 17:14	88-74-4	
3-Nitroaniline	<32.4	ug/kg	108	32.4	1	10/14/15 10:45	10/15/15 17:14	99-09-2	
4-Nitroaniline	<79.1	ug/kg	264	79.1	1	10/14/15 10:45	10/15/15 17:14	100-01-6	
Nitrobenzene	<38.6	ug/kg	129	38.6	1	10/14/15 10:45	10/15/15 17:14	98-95-3	
2-Nitrophenol	<60.1	ug/kg	200	60.1	1	10/14/15 10:45	10/15/15 17:14	88-75-5	
4-Nitrophenol	<48.0	ug/kg	160	48.0	1	10/14/15 10:45	10/15/15 17:14	100-02-7	
N-Nitroso-di-n-propylamine	<30.2	ug/kg	101	30.2	1	10/14/15 10:45	10/15/15 17:14	621-64-7	
N-Nitrosodiphenylamine	<259	ug/kg	862	259	1	10/14/15 10:45	10/15/15 17:14	86-30-6	
2,2'-Oxybis(1-chloropropane)	<49.1	ug/kg	164	49.1	1	10/14/15 10:45	10/15/15 17:14	108-60-1	
Pentachlorophenol	<42.0	ug/kg	140	42.0	1	10/14/15 10:45	10/15/15 17:14	87-86-5	
Phenanthrene	25.9J	ug/kg	81.5	24.4	1	10/14/15 10:45	10/15/15 17:14	85-01-8	
Phenol	<45.2	ug/kg	151	45.2	1	10/14/15 10:45	10/15/15 17:14	108-95-2	
Pyrene	92.0J	ug/kg	141	42.2	1	10/14/15 10:45	10/15/15 17:14	129-00-0	
1,2,4-Trichlorobenzene	<21.5	ug/kg	71.8	21.5	1	10/14/15 10:45	10/15/15 17:14	120-82-1	
2,4,5-Trichlorophenol	<33.7	ug/kg	112	33.7	1	10/14/15 10:45	10/15/15 17:14	95-95-4	
2,4,6-Trichlorophenol	<29.1	ug/kg	96.9	29.1	1	10/14/15 10:45	10/15/15 17:14	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	66	%	45-130		1	10/14/15 10:45	10/15/15 17:14	4165-60-0	
2-Fluorobiphenyl (S)	73	%	51-130		1	10/14/15 10:45	10/15/15 17:14	321-60-8	
Terphenyl-d14 (S)	168	%	37-134		1	10/14/15 10:45	10/15/15 17:14	1718-51-0	S3

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: VL2-1 (0-5)-101215 Lab ID: 40122748023 Collected: 10/12/15 14:10 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Phenol-d6 (S)	81	%	36-130		1	10/14/15 10:45	10/15/15 17:14	13127-88-3	
2-Fluorophenol (S)	69	%	37-130		1	10/14/15 10:45	10/15/15 17:14	367-12-4	
2,4,6-Tribromophenol (S)	59	%	30-130		1	10/14/15 10:45	10/15/15 17:14	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	<4.4	ug/kg	14.1	4.4	1	10/15/15 12:00	10/15/15 12:13	67-64-1	2q
Benzene	<1.1	ug/kg	3.5	1.1	1	10/15/15 12:00	10/15/15 12:13	71-43-2	
Bromodichloromethane	<0.77	ug/kg	3.5	0.77	1	10/15/15 12:00	10/15/15 12:13	75-27-4	
Bromoform	<0.60	ug/kg	3.5	0.60	1	10/15/15 12:00	10/15/15 12:13	75-25-2	
Bromomethane	<1.1	ug/kg	7.1	1.1	1	10/15/15 12:00	10/15/15 12:13	74-83-9	
2-Butanone (MEK)	<2.0	ug/kg	14.1	2.0	1	10/15/15 12:00	10/15/15 12:13	78-93-3	
Carbon disulfide	<0.91	ug/kg	3.5	0.91	1	10/15/15 12:00	10/15/15 12:13	75-15-0	
Carbon tetrachloride	<1.1	ug/kg	3.5	1.1	1	10/15/15 12:00	10/15/15 12:13	56-23-5	
Chlorobenzene	<1.1	ug/kg	3.5	1.1	1	10/15/15 12:00	10/15/15 12:13	108-90-7	
Chloroethane	<1.4	ug/kg	3.5	1.4	1	10/15/15 12:00	10/15/15 12:13	75-00-3	
Chloroform	<0.67	ug/kg	3.5	0.67	1	10/15/15 12:00	10/15/15 12:13	67-66-3	
Chloromethane	<0.40	ug/kg	3.5	0.40	1	10/15/15 12:00	10/15/15 12:13	74-87-3	
Dibromochloromethane	<1.2	ug/kg	3.5	1.2	1	10/15/15 12:00	10/15/15 12:13	124-48-1	
1,1-Dichloroethane	<1.7	ug/kg	3.5	1.7	1	10/15/15 12:00	10/15/15 12:13	75-34-3	
1,2-Dichloroethane	<0.69	ug/kg	3.5	0.69	1	10/15/15 12:00	10/15/15 12:13	107-06-2	
1,1-Dichloroethene	<1.6	ug/kg	3.5	1.6	1	10/15/15 12:00	10/15/15 12:13	75-35-4	
cis-1,2-Dichloroethene	<0.94	ug/kg	3.5	0.94	1	10/15/15 12:00	10/15/15 12:13	156-59-2	
trans-1,2-Dichloroethene	<0.87	ug/kg	3.5	0.87	1	10/15/15 12:00	10/15/15 12:13	156-60-5	
1,2-Dichloropropane	<0.89	ug/kg	3.5	0.89	1	10/15/15 12:00	10/15/15 12:13	78-87-5	
cis-1,3-Dichloropropene	<0.47	ug/kg	3.5	0.47	1	10/15/15 12:00	10/15/15 12:13	10061-01-5	
trans-1,3-Dichloropropene	<0.66	ug/kg	3.5	0.66	1	10/15/15 12:00	10/15/15 12:13	10061-02-6	
Ethylbenzene	<1.0	ug/kg	3.5	1.0	1	10/15/15 12:00	10/15/15 12:13	100-41-4	
2-Hexanone	<1.0	ug/kg	3.5	1.0	1	10/15/15 12:00	10/15/15 12:13	591-78-6	
Methylene Chloride	<1.3	ug/kg	3.5	1.3	1	10/15/15 12:00	10/15/15 12:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.87	ug/kg	3.5	0.87	1	10/15/15 12:00	10/15/15 12:13	108-10-1	
Methyl-tert-butyl ether	<0.71	ug/kg	3.5	0.71	1	10/15/15 12:00	10/15/15 12:13	1634-04-4	
Styrene	<0.54	ug/kg	3.5	0.54	1	10/15/15 12:00	10/15/15 12:13	100-42-5	
1,1,2,2-Tetrachloroethane	<1.5	ug/kg	3.5	1.5	1	10/15/15 12:00	10/15/15 12:13	79-34-5	
Tetrachloroethene	<1.1	ug/kg	3.5	1.1	1	10/15/15 12:00	10/15/15 12:13	127-18-4	
Toluene	<1.1	ug/kg	3.5	1.1	1	10/15/15 12:00	10/15/15 12:13	108-88-3	
1,1,1-Trichloroethane	<1.1	ug/kg	3.5	1.1	1	10/15/15 12:00	10/15/15 12:13	71-55-6	
1,1,2-Trichloroethane	<1.4	ug/kg	3.5	1.4	1	10/15/15 12:00	10/15/15 12:13	79-00-5	
Trichloroethene	<1.4	ug/kg	3.5	1.4	1	10/15/15 12:00	10/15/15 12:13	79-01-6	
Vinyl chloride	<0.39	ug/kg	3.5	0.39	1	10/15/15 12:00	10/15/15 12:13	75-01-4	
Xylene (Total)	<3.2	ug/kg	10.6	3.2	1	10/15/15 12:00	10/15/15 12:13	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	102	%	70-130		1	10/15/15 12:00	10/15/15 12:13	1868-53-7	
Toluene-d8 (S)	106	%	67-138		1	10/15/15 12:00	10/15/15 12:13	2037-26-5	
4-Bromofluorobenzene (S)	87	%	68-130		1	10/15/15 12:00	10/15/15 12:13	460-00-4	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: VL2-1 (0-5)-101215 **Lab ID: 40122748023** Collected: 10/12/15 14:10 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	12.4	%	0.10	0.10	1		10/13/15 16:02		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	8.05	Std. Units	0.100	0.0100	1		10/15/15 14:45		H6

Revised 11/05/15 16:36

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: VL2-1 (5-9)-101215 **Lab ID: 40122748024** Collected: 10/12/15 14:20 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Antimony	<0.48	mg/kg	0.96	0.48	1	10/16/15 11:38	10/19/15 07:49	7440-36-0	
Arsenic	5.2	mg/kg	0.96	0.48	1	10/16/15 11:38	10/19/15 07:49	7440-38-2	
Barium	10.5	mg/kg	0.96	0.48	1	10/16/15 11:38	10/19/15 07:49	7440-39-3	
Beryllium	<0.24	mg/kg	0.48	0.24	1	10/16/15 11:38	10/19/15 07:49	7440-41-7	
Cadmium	<0.24	mg/kg	0.48	0.24	1	10/16/15 11:38	10/19/15 07:49	7440-43-9	
Calcium	97000	mg/kg	4800	2400	100	10/16/15 11:38	10/19/15 08:47	7440-70-2	
Chromium	7.1	mg/kg	0.96	0.48	1	10/16/15 11:38	10/19/15 07:49	7440-47-3	
Cobalt	3.3	mg/kg	0.96	0.48	1	10/16/15 11:38	10/19/15 07:49	7440-48-4	
Copper	9.9	mg/kg	0.96	0.48	1	10/16/15 11:38	10/19/15 07:49	7440-50-8	
Iron	9120	mg/kg	48.0	24.0	1	10/16/15 11:38	10/19/15 07:49	7439-89-6	
Lead	4.3	mg/kg	0.96	0.48	1	10/16/15 11:38	10/19/15 07:49	7439-92-1	
Magnesium	56400	mg/kg	4800	2400	100	10/16/15 11:38	10/19/15 08:47	7439-95-4	
Manganese	314	mg/kg	0.96	0.48	1	10/16/15 11:38	10/19/15 07:49	7439-96-5	
Nickel	9.0	mg/kg	0.96	0.48	1	10/16/15 11:38	10/19/15 07:49	7440-02-0	
Potassium	661	mg/kg	48.0	24.0	1	10/16/15 11:38	10/19/15 07:49	7440-09-7	
Selenium	<0.48	mg/kg	0.96	0.48	1	10/16/15 11:38	10/19/15 07:49	7782-49-2	
Silver	<0.24	mg/kg	0.48	0.24	1	10/16/15 11:38	10/19/15 07:49	7440-22-4	
Sodium	658	mg/kg	48.0	24.0	1	10/16/15 11:38	10/19/15 07:49	7440-23-5	
Thallium	1.5	mg/kg	0.96	0.48	1	10/16/15 11:38	10/19/15 07:49	7440-28-0	
Vanadium	11.5	mg/kg	0.96	0.48	1	10/16/15 11:38	10/19/15 07:49	7440-62-2	
Zinc	18.6	mg/kg	0.96	0.48	1	10/16/15 11:38	10/19/15 07:49	7440-66-6	

6010 MET ICP, SPLP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	<0.0029	mg/L	0.010	0.0029	1	10/21/15 06:57	10/25/15 11:14	7440-38-2	
Barium	0.0073J	mg/L	0.50	0.0033	1	10/21/15 06:57	10/25/15 11:14	7440-39-3	
Beryllium	<0.00031	mg/L	0.0040	0.00031	1	10/21/15 06:57	10/25/15 11:14	7440-41-7	
Cadmium	<0.00021	mg/L	0.0050	0.00021	1	10/21/15 06:57	10/25/15 11:14	7440-43-9	
Chromium	<0.0025	mg/L	0.010	0.0025	1	10/21/15 06:57	10/25/15 11:14	7440-47-3	
Cobalt	<0.00053	mg/L	0.010	0.00053	1	10/21/15 06:57	10/25/15 11:14	7440-48-4	
Copper	<0.0040	mg/L	0.010	0.0040	1	10/21/15 06:57	10/25/15 11:14	7440-50-8	
Iron	0.036J	mg/L	0.10	0.016	1	10/21/15 06:57	10/25/15 11:14	7439-89-6	
Lead	<0.0029	mg/L	0.010	0.0029	1	10/21/15 06:57	10/25/15 11:14	7439-92-1	
Manganese	<0.0010	mg/L	0.010	0.0010	1	10/21/15 06:57	10/25/15 11:14	7439-96-5	
Nickel	0.00074J	mg/L	0.010	0.00074	1	10/21/15 06:57	10/25/15 11:14	7440-02-0	
Selenium	<0.0033	mg/L	0.010	0.0033	1	10/21/15 06:57	10/25/15 11:14	7782-49-2	
Silver	0.0049J	mg/L	0.010	0.0033	1	10/21/15 06:57	10/25/15 11:14	7440-22-4	
Zinc	<0.0030	mg/L	0.020	0.0030	1	10/21/15 06:57	10/25/15 11:14	7440-66-6	

6010 MET ICP, TCLP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/14/15 19:10									
Arsenic	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 07:23	7440-38-2	
Barium	<0.25	mg/L	0.50	0.25	1	10/15/15 16:52	10/19/15 07:23	7440-39-3	
Beryllium	<0.0020	mg/L	0.0040	0.0020	1	10/15/15 16:52	10/19/15 07:23	7440-41-7	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	10/15/15 16:52	10/19/15 07:23	7440-43-9	
Chromium	<0.0052	mg/L	0.010	0.0052	1	10/15/15 16:52	10/19/15 07:23	7440-47-3	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: VL2-1 (5-9)-101215 **Lab ID:** 40122748024 Collected: 10/12/15 14:20 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 10/14/15 19:10									
Cobalt	0.022	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 07:23	7440-48-4	
Copper	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 07:23	7440-50-8	
Iron	0.92	mg/L	0.10	0.050	1	10/15/15 16:52	10/19/15 07:23	7439-89-6	
Lead	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 07:23	7439-92-1	
Manganese	4.4	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 07:23	7439-96-5	
Nickel	0.034	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 07:23	7440-02-0	
Selenium	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 07:23	7782-49-2	
Silver	<0.0050	mg/L	0.010	0.0050	1	10/15/15 16:52	10/19/15 07:23	7440-22-4	
Zinc	0.075	mg/L	0.020	0.010	1	10/15/15 16:52	10/19/15 07:23	7440-66-6	
7470 Mercury, SPLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.33	ug/L	0.67	0.33	1	10/20/15 19:24	10/21/15 12:15	7439-97-6	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 10/14/15 19:10									
Mercury	<0.00033	mg/L	0.00067	0.00033	1	10/20/15 19:27	10/21/15 12:58	7439-97-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.0052J	mg/kg	0.21	0.0043	1	10/16/15 20:04	10/16/15 22:10	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<61.9	ug/kg	206	61.9	1	10/14/15 10:45	10/16/15 15:32	83-32-9	
Acenaphthylene	<62.3	ug/kg	208	62.3	1	10/14/15 10:45	10/16/15 15:32	208-96-8	
Anthracene	<27.9	ug/kg	93.0	27.9	1	10/14/15 10:45	10/16/15 15:32	120-12-7	
Benzo(a)anthracene	<27.0	ug/kg	90.1	27.0	1	10/14/15 10:45	10/16/15 15:32	56-55-3	
Benzo(a)pyrene	<26.3	ug/kg	87.6	26.3	1	10/14/15 10:45	10/16/15 15:32	50-32-8	
Benzo(b)fluoranthene	<30.0	ug/kg	100	30.0	1	10/14/15 10:45	10/16/15 15:32	205-99-2	
Benzo(g,h,i)perylene	<45.7	ug/kg	152	45.7	1	10/14/15 10:45	10/16/15 15:32	191-24-2	
Benzo(k)fluoranthene	<41.8	ug/kg	139	41.8	1	10/14/15 10:45	10/16/15 15:32	207-08-9	
4-Bromophenylphenyl ether	<36.6	ug/kg	122	36.6	1	10/14/15 10:45	10/16/15 15:32	101-55-3	
Butylbenzylphthalate	<28.0	ug/kg	93.3	28.0	1	10/14/15 10:45	10/16/15 15:32	85-68-7	
Carbazole	<27.3	ug/kg	91.1	27.3	1	10/14/15 10:45	10/16/15 15:32	86-74-8	
4-Chloro-3-methylphenol	<54.3	ug/kg	181	54.3	1	10/14/15 10:45	10/16/15 15:32	59-50-7	
4-Chloroaniline	<28.7	ug/kg	95.6	28.7	1	10/14/15 10:45	10/16/15 15:32	106-47-8	
bis(2-Chloroethoxy)methane	<47.0	ug/kg	157	47.0	1	10/14/15 10:45	10/16/15 15:32	111-91-1	
bis(2-Chloroethyl) ether	<54.5	ug/kg	182	54.5	1	10/14/15 10:45	10/16/15 15:32	111-44-4	
2-Chloronaphthalene	<22.4	ug/kg	74.7	22.4	1	10/14/15 10:45	10/16/15 15:32	91-58-7	
2-Chlorophenol	<43.6	ug/kg	145	43.6	1	10/14/15 10:45	10/16/15 15:32	95-57-8	
4-Chlorophenylphenyl ether	<32.5	ug/kg	108	32.5	1	10/14/15 10:45	10/16/15 15:32	7005-72-3	
Chrysene	<26.1	ug/kg	87.0	26.1	1	10/14/15 10:45	10/16/15 15:32	218-01-9	L2
Dibenz(a,h)anthracene	<47.4	ug/kg	158	47.4	1	10/14/15 10:45	10/16/15 15:32	53-70-3	
Dibenzofuran	<21.1	ug/kg	70.4	21.1	1	10/14/15 10:45	10/16/15 15:32	132-64-9	
1,2-Dichlorobenzene	<54.9	ug/kg	183	54.9	1	10/14/15 10:45	10/16/15 15:32	95-50-1	
1,3-Dichlorobenzene	<24.2	ug/kg	80.6	24.2	1	10/14/15 10:45	10/16/15 15:32	541-73-1	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: VL2-1 (5-9)-101215 **Lab ID:** 40122748024 Collected: 10/12/15 14:20 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,4-Dichlorobenzene	<24.3	ug/kg	81.1	24.3	1	10/14/15 10:45	10/16/15 15:32	106-46-7	
3,3'-Dichlorobenzidine	<47.4	ug/kg	158	47.4	1	10/14/15 10:45	10/16/15 15:32	91-94-1	
2,4-Dichlorophenol	<46.7	ug/kg	156	46.7	1	10/14/15 10:45	10/16/15 15:32	120-83-2	
Diethylphthalate	<29.0	ug/kg	96.5	29.0	1	10/14/15 10:45	10/16/15 15:32	84-66-2	
2,4-Dimethylphenol	<34.5	ug/kg	115	34.5	1	10/14/15 10:45	10/16/15 15:32	105-67-9	
Dimethylphthalate	<22.7	ug/kg	75.7	22.7	1	10/14/15 10:45	10/16/15 15:32	131-11-3	
Di-n-butylphthalate	<26.1	ug/kg	87.0	26.1	1	10/14/15 10:45	10/16/15 15:32	84-74-2	
4,6-Dinitro-2-methylphenol	<53.8	ug/kg	179	53.8	1	10/14/15 10:45	10/16/15 15:32	534-52-1	
2,4-Dinitrophenol	<53.2	ug/kg	177	53.2	1	10/14/15 10:45	10/16/15 15:32	51-28-5	
2,4-Dinitrotoluene	<25.0	ug/kg	83.2	25.0	1	10/14/15 10:45	10/16/15 15:32	121-14-2	
2,6-Dinitrotoluene	<33.1	ug/kg	110	33.1	1	10/14/15 10:45	10/16/15 15:32	606-20-2	
Di-n-octylphthalate	<39.3	ug/kg	131	39.3	1	10/14/15 10:45	10/16/15 15:32	117-84-0	
bis(2-Ethylhexyl)phthalate	<29.0	ug/kg	96.8	29.0	1	10/14/15 10:45	10/16/15 15:32	117-81-7	
Fluoranthene	<24.7	ug/kg	82.3	24.7	1	10/14/15 10:45	10/16/15 15:32	206-44-0	
Fluorene	<20.4	ug/kg	68.0	20.4	1	10/14/15 10:45	10/16/15 15:32	86-73-7	
Hexachloro-1,3-butadiene	<44.5	ug/kg	148	44.5	1	10/14/15 10:45	10/16/15 15:32	87-68-3	
Hexachlorobenzene	<29.4	ug/kg	97.9	29.4	1	10/14/15 10:45	10/16/15 15:32	118-74-1	
Hexachlorocyclopentadiene	<41.3	ug/kg	138	41.3	1	10/14/15 10:45	10/16/15 15:32	77-47-4	
Hexachloroethane	<27.9	ug/kg	93.1	27.9	1	10/14/15 10:45	10/16/15 15:32	67-72-1	
Indeno(1,2,3-cd)pyrene	<37.8	ug/kg	126	37.8	1	10/14/15 10:45	10/16/15 15:32	193-39-5	
Isophorone	<26.8	ug/kg	89.5	26.8	1	10/14/15 10:45	10/16/15 15:32	78-59-1	
2-Methylnaphthalene	<45.3	ug/kg	151	45.3	1	10/14/15 10:45	10/16/15 15:32	91-57-6	
2-Methylphenol(o-Cresol)	<31.7	ug/kg	106	31.7	1	10/14/15 10:45	10/16/15 15:32	95-48-7	
3&4-Methylphenol(m&p Cresol)	<32.0	ug/kg	107	32.0	1	10/14/15 10:45	10/16/15 15:32		
Naphthalene	<61.0	ug/kg	203	61.0	1	10/14/15 10:45	10/16/15 15:32	91-20-3	
2-Nitroaniline	<49.8	ug/kg	166	49.8	1	10/14/15 10:45	10/16/15 15:32	88-74-4	
3-Nitroaniline	<29.7	ug/kg	99.0	29.7	1	10/14/15 10:45	10/16/15 15:32	99-09-2	
4-Nitroaniline	<72.5	ug/kg	242	72.5	1	10/14/15 10:45	10/16/15 15:32	100-01-6	
Nitrobenzene	<35.4	ug/kg	118	35.4	1	10/14/15 10:45	10/16/15 15:32	98-95-3	
2-Nitrophenol	<55.1	ug/kg	184	55.1	1	10/14/15 10:45	10/16/15 15:32	88-75-5	
4-Nitrophenol	<44.0	ug/kg	147	44.0	1	10/14/15 10:45	10/16/15 15:32	100-02-7	
N-Nitroso-di-n-propylamine	<27.7	ug/kg	92.3	27.7	1	10/14/15 10:45	10/16/15 15:32	621-64-7	
N-Nitrosodiphenylamine	<237	ug/kg	790	237	1	10/14/15 10:45	10/16/15 15:32	86-30-6	
2,2'-Oxybis(1-chloropropane)	<45.0	ug/kg	150	45.0	1	10/14/15 10:45	10/16/15 15:32	108-60-1	
Pentachlorophenol	<38.4	ug/kg	128	38.4	1	10/14/15 10:45	10/16/15 15:32	87-86-5	
Phenanthrene	<22.4	ug/kg	74.7	22.4	1	10/14/15 10:45	10/16/15 15:32	85-01-8	
Phenol	<41.4	ug/kg	138	41.4	1	10/14/15 10:45	10/16/15 15:32	108-95-2	
Pyrene	<38.7	ug/kg	129	38.7	1	10/14/15 10:45	10/16/15 15:32	129-00-0	
1,2,4-Trichlorobenzene	<19.7	ug/kg	65.8	19.7	1	10/14/15 10:45	10/16/15 15:32	120-82-1	
2,4,5-Trichlorophenol	<30.8	ug/kg	103	30.8	1	10/14/15 10:45	10/16/15 15:32	95-95-4	
2,4,6-Trichlorophenol	<26.6	ug/kg	88.7	26.6	1	10/14/15 10:45	10/16/15 15:32	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	60	%	45-130		1	10/14/15 10:45	10/16/15 15:32	4165-60-0	
2-Fluorobiphenyl (S)	60	%	51-130		1	10/14/15 10:45	10/16/15 15:32	321-60-8	
Terphenyl-d14 (S)	60	%	37-134		1	10/14/15 10:45	10/16/15 15:32	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: VL2-1 (5-9)-101215 **Lab ID:** 40122748024 Collected: 10/12/15 14:20 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Phenol-d6 (S)	61	%	36-130		1	10/14/15 10:45	10/16/15 15:32	13127-88-3	
2-Fluorophenol (S)	59	%	37-130		1	10/14/15 10:45	10/16/15 15:32	367-12-4	
2,4,6-Tribromophenol (S)	46	%	30-130		1	10/14/15 10:45	10/16/15 15:32	118-79-6	
8260 MSV 5035 Low Level Analytical Method: EPA 8260 Preparation Method: EPA 8260									
Acetone	8.8J	ug/kg	15.6	4.9	1	10/15/15 12:00	10/15/15 12:35	67-64-1	1q
Benzene	<1.3	ug/kg	3.9	1.3	1	10/15/15 12:00	10/15/15 12:35	71-43-2	
Bromodichloromethane	<0.85	ug/kg	3.9	0.85	1	10/15/15 12:00	10/15/15 12:35	75-27-4	
Bromoform	<0.66	ug/kg	3.9	0.66	1	10/15/15 12:00	10/15/15 12:35	75-25-2	
Bromomethane	<1.2	ug/kg	7.8	1.2	1	10/15/15 12:00	10/15/15 12:35	74-83-9	
2-Butanone (MEK)	<2.2	ug/kg	15.6	2.2	1	10/15/15 12:00	10/15/15 12:35	78-93-3	
Carbon disulfide	<1.0	ug/kg	3.9	1.0	1	10/15/15 12:00	10/15/15 12:35	75-15-0	
Carbon tetrachloride	<1.2	ug/kg	3.9	1.2	1	10/15/15 12:00	10/15/15 12:35	56-23-5	
Chlorobenzene	<1.2	ug/kg	3.9	1.2	1	10/15/15 12:00	10/15/15 12:35	108-90-7	
Chloroethane	<1.6	ug/kg	3.9	1.6	1	10/15/15 12:00	10/15/15 12:35	75-00-3	
Chloroform	<0.74	ug/kg	3.9	0.74	1	10/15/15 12:00	10/15/15 12:35	67-66-3	
Chloromethane	<0.44	ug/kg	3.9	0.44	1	10/15/15 12:00	10/15/15 12:35	74-87-3	
Dibromochloromethane	<1.3	ug/kg	3.9	1.3	1	10/15/15 12:00	10/15/15 12:35	124-48-1	
1,1-Dichloroethane	<1.9	ug/kg	3.9	1.9	1	10/15/15 12:00	10/15/15 12:35	75-34-3	
1,2-Dichloroethane	<0.76	ug/kg	3.9	0.76	1	10/15/15 12:00	10/15/15 12:35	107-06-2	
1,1-Dichloroethene	<1.8	ug/kg	3.9	1.8	1	10/15/15 12:00	10/15/15 12:35	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/kg	3.9	1.0	1	10/15/15 12:00	10/15/15 12:35	156-59-2	
trans-1,2-Dichloroethene	<0.96	ug/kg	3.9	0.96	1	10/15/15 12:00	10/15/15 12:35	156-60-5	
1,2-Dichloropropane	<0.98	ug/kg	3.9	0.98	1	10/15/15 12:00	10/15/15 12:35	78-87-5	
cis-1,3-Dichloropropene	<0.52	ug/kg	3.9	0.52	1	10/15/15 12:00	10/15/15 12:35	10061-01-5	
trans-1,3-Dichloropropene	<0.72	ug/kg	3.9	0.72	1	10/15/15 12:00	10/15/15 12:35	10061-02-6	
Ethylbenzene	<1.1	ug/kg	3.9	1.1	1	10/15/15 12:00	10/15/15 12:35	100-41-4	
2-Hexanone	<1.2	ug/kg	3.9	1.2	1	10/15/15 12:00	10/15/15 12:35	591-78-6	
Methylene Chloride	<1.4	ug/kg	3.9	1.4	1	10/15/15 12:00	10/15/15 12:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.96	ug/kg	3.9	0.96	1	10/15/15 12:00	10/15/15 12:35	108-10-1	
Methyl-tert-butyl ether	<0.78	ug/kg	3.9	0.78	1	10/15/15 12:00	10/15/15 12:35	1634-04-4	
Styrene	<0.59	ug/kg	3.9	0.59	1	10/15/15 12:00	10/15/15 12:35	100-42-5	
1,1,2,2-Tetrachloroethane	<1.6	ug/kg	3.9	1.6	1	10/15/15 12:00	10/15/15 12:35	79-34-5	
Tetrachloroethene	<1.2	ug/kg	3.9	1.2	1	10/15/15 12:00	10/15/15 12:35	127-18-4	
Toluene	<1.2	ug/kg	3.9	1.2	1	10/15/15 12:00	10/15/15 12:35	108-88-3	
1,1,1-Trichloroethane	<1.2	ug/kg	3.9	1.2	1	10/15/15 12:00	10/15/15 12:35	71-55-6	
1,1,2-Trichloroethane	<1.5	ug/kg	3.9	1.5	1	10/15/15 12:00	10/15/15 12:35	79-00-5	
Trichloroethene	<1.5	ug/kg	3.9	1.5	1	10/15/15 12:00	10/15/15 12:35	79-01-6	
Vinyl chloride	<0.43	ug/kg	3.9	0.43	1	10/15/15 12:00	10/15/15 12:35	75-01-4	
Xylene (Total)	<3.5	ug/kg	11.7	3.5	1	10/15/15 12:00	10/15/15 12:35	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	101	%	70-130		1	10/15/15 12:00	10/15/15 12:35	1868-53-7	
Toluene-d8 (S)	107	%	67-138		1	10/15/15 12:00	10/15/15 12:35	2037-26-5	
4-Bromofluorobenzene (S)	87	%	68-130		1	10/15/15 12:00	10/15/15 12:35	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55

Pace Project No.: 40122748

Sample: VL2-1 (5-9)-101215 **Lab ID: 40122748024** Collected: 10/12/15 14:20 Received: 10/13/15 09:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	4.4	%	0.10	0.10	1		10/13/15 16:02		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	9.00	Std. Units	0.100	0.0100	1		10/15/15 15:30		H6

Revised 11/05/15 16:36

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: EDT
 Branch/Location: Patricia/Colin
 Project Contact: 312 345 1400
 Phone: 312 345 1400
 Project Number: 0295.020
 Project Name: FAI 55
 Project State: IL
 Sampled By (Print): Colin Pearce
 Sampled By (Sign): [Signature]
 PO #: _____
 Regulatory Program: _____



CHAIN OF CUSTODY

UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Filtered? (YES/NO)
 Preservation (CODE)

V/I/N	Pick Letter	Analyses Requested
		VOCs
		SVOCs
		Total Metals
		TCLP Metals
		SPLP Metals
		pH

PAGE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	SR16(0-1)-101215	10/21/15	1025	Soil
002	SR16(7-15)-101215	10/21/15	1050	Soil
003	SR16(15-23)-101215	10/21/15	1115	Soil
004	SR15(0-8)-101215	10/21/15	1215	Soil
005	SR15(8-16)-101215	10/21/15	1235	Soil
006	SR15(16-24)-101215	10/21/15	1245	Soil
007	VL3-4(0-2)-101215	10/21/15	1310	Soil
008	VL3-3(0-4)-101215	10/21/15	1330	Soil
009	VL3-2(0-4)-101215	10/21/15	1350	Soil
010	VL3-1(0-6)-101215	10/21/15	1430	Soil
011	VL3-1(6-12)-101215	10/21/15	1450	Soil
012	VL5-1(0-5)-101215	10/21/15	1515	Soil
013	VL15-1(5-9)-101215	10/21/15	1530	Soil

Relinquished By: [Signature] Date/Time: 10/21/15 1535
 Relinquished By: [Signature] Date/Time: 10/21/15 1700
 Relinquished By: [Signature] Date/Time: 10/21/15 0150
 Relinquished By: _____ Date/Time: _____

Received By: [Signature] Date/Time: 10/21/15 1535
 Received By: [Signature] Date/Time: 10/21/15 1700
 Received By: [Signature] Date/Time: 10/21/15 0150
 Received By: _____ Date/Time: _____

Quote #: _____
 Mail To Contact: _____
 Mail To Company: _____
 Mail To Address: _____
 Invoice To Contact: _____
 Invoice To Company: _____
 Invoice To Address: _____
 Invoice To Phone: _____
 CLIENT COMMENTS: _____
 LAB COMMENTS (Lab Use Only): 3-40ml EET 3-40ug
 Profile #: _____

Receipt Temp = 20.5 D.C
 Sample Receipt pH: _____
 Cooler Custody Seal: _____
 Present / Not Present: _____
 Intact / Not Intact: _____

(Please Print Clearly)

Company Name: _____
 Branch/Location: _____
 Project Contact: _____
 Phone: _____
 Project Number: ~~1007-035-032~~
 Project Name: 1007-035-032
 Project State: ILLINOIS
 Sampled By (Print): M. Doherty-Skulski
 Sampled By (Sign): *M. Doherty-Skulski*
 PO #: _____
 Regulatory Program: _____



CHAIN OF CUSTODY

FILED? (YES/NO)
 PRESERVATION (CODE)*
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H= Sodium Bisulfate Solution I= Sodium Thiosulfate J=Other

UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

Y/N	Pick Letter	Analyses Requested
N	E	VOCs
N	A	SVOCS
N	A	Total Metals
N	A	SPLP Metals
N	A	TCLP Metals
N	A	pH

PAGE LAB #	CLIENT FIELD ID	DATE	COLLECTION TIME	MATRIX	Analyses Requested	Received By	Date/Time	LAB COMMENTS (Lab Use Only)	Profile #
014	SR-10-7)-101215	10-12-15	1025	S	X	<i>[Signature]</i>	02-15 1545	3-40ml, Eff 3-4026	
015	SR-17(0-7)-101215D	10-12-15	1025	S	X	<i>[Signature]</i>	02-15 1545		
016	SR-17(7-5)-101215	10-12-15	1050	S	X	<i>[Signature]</i>	02-15 1545		
017	SR-18(0-6)-101215	10-12-15	1150	S	X	<i>[Signature]</i>	02-15 1545		
018	SR-18(6-12)-101215	10-12-15	1205	S	X	<i>[Signature]</i>	02-15 1545		
019	SR-18(12-15)-101215	10-12-15	1225	S	X	<i>[Signature]</i>	02-15 1545		
020	SR-19(0-6)-101215	10-12-15	1255	S	X	<i>[Signature]</i>	02-15 1545		
021	SR-19(6-12)-101215	10-12-15	1320	S	X	<i>[Signature]</i>	02-15 1545		
022	SR-19(12-14)-101215	10-12-15	1330	S	X	<i>[Signature]</i>	02-15 1545		

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed: _____
 Transmit Prelim Rush Results by (complete what you want):
 Email #1: _____
 Email #2: _____
 Telephone: _____
 Fax: _____

Relinquished By: *[Signature]* Date/Time: 02-15 1545
 Relinquished By: *[Signature]* Date/Time: 02-15 1545
 Relinquished By: *[Signature]* Date/Time: 02-15 1545
 Relinquished By: *[Signature]* Date/Time: 02-15 1545

Received By: *[Signature]* Date/Time: 02-15 1545
 Received By: *[Signature]* Date/Time: 02-15 1545
 Received By: *[Signature]* Date/Time: 02-15 1545
 Received By: *[Signature]* Date/Time: 02-15 1545

COOLER CUSTODY SEAL
 Present / Not Present
 Intact / Not Intact

(Please Print Clearly)

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of



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CHAIN OF CUSTODY

A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
 (YES/NO)
 PRESERVATION
 (CODE)

Company Name: _____
 Branch/Location: _____
 Project Contact: _____
 Phone: _____
 Project Number: 0
 Project Name: DOT 035-056 ET-55
 Project State: Illinois
 Sampled By (Print): Margaret O'Hara Skibic
 Sampled By (Sign): *Margaret O'Hara Skibic*
 PO #: _____
 Regulatory Program: _____

Data Package Options
 EPA Level III
 EPA Level IV
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air B = Biota C = Charcoal O = Oil S = Soil
 W = Water DW = Drinking Water GW = Ground Water SW = Surface Water WP = Waste Water
 SI = Sludge

PAGE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
023	VL2-1(0-5)-101215	10-12-15	1410	S
024	NL2-1(5-9)-101215	10-12-15	1420	S
025	AL2-3(0-5)-101215	10-12-15	1440	S
026	AL2-13(0-5)-101215	10-12-15	1440	S
027	AL2-13(5-9)-101215	10-12-15	1455	S
028	AL2-14(0-5)-101215	10-12-15	1510	S
029	AL2-14(5-9)-101215	10-12-15	1520	S
030	AL2-15(0-5)-101215	10-12-15	1525	S
031	AL2-15(5-9)-101215	10-12-15	1530	S

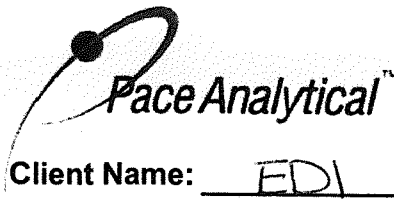
Y/N	Pick Letter	Analyses Requested					
		VOCs	SVOCs	TOTAL Metals	TOCP Metals	SPLP Metals	pH
N							
N	PF						
N							
N							
N							
N							
N							

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed: _____
 Relinquished By: *Margaret O'Hara Skibic* Date/Time: 10-2-15 1525
 Relinquished By: *Shawn Mays* Date/Time: 10/2/15 1700
 Relinquished By: *Shawn Mays* Date/Time: 10/3/15 0940
 Relinquished By: _____ Date/Time: _____

Received By: *Shawn Mays* Date/Time: 10/2/15 1525
 Received By: *Shawn Mays* Date/Time: 10/2/15 1700
 Received By: *Shawn Mays* Date/Time: 10/3/15 0940
 Received By: _____ Date/Time: _____

Receipt Temp = 20.5 °C
 Sample Receipt pH _____
 OK / Adjusted _____
 Cooler Custody Seal Present / Not Present _____
 Intact / Not Intact _____
 Version: 4.0 09/14/06

Quote #: _____
 Mail To Contact: _____
 Mail To Company: _____
 Mail To Address: _____
 Invoice To Contact: _____
 Invoice To Company: _____
 Invoice To Address: _____
 Invoice To Phone: _____
 CLIENT COMMENTS: _____
 LAB COMMENTS (Lab Use Only): 3-40ml, EF 3-40ml, NWS, LAST ITEM, NWS, NWS



Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Project #

WO#: 40122748

Client Name: EDI

Courier: Fed Ex UPS Client Pace Other: CS LOGISTICS

Tracking #:



40122748

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR104 Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature: Uncorr: 2.0, 2.0, 2.0 Corr: 2.0, 5.0, 0.0 Biological Tissue is Frozen: yes

Temp Blank Present: yes no

Person examining contents:
Date: 10/13/15
Initials: DL

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows of inspection items and checkboxes. Includes items like 'Chain of Custody Present', 'Sufficient Volume', 'Containers Intact', etc. Handwritten notes include 'Lab freeze 10/13/15 @ 13:55. SKW' and '228 2 of 3 vials ID AL2-12(0-5) 10/13/15 DL'.

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review:

Handwritten initials

Date: 10/13/15