Illinois Environmental Protection Agency

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, incldluding number and street):

24000 block of Eames Street (ISGS Site No. 693V-14)

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: 41.455791910 (Decimal Degrees) Longitude: -88.197664584 (-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: 41.455791910 Longitude: -88.197664584

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 VL-1, VL3-3, AND VL3-4 WERE SAMPLED ADJACENT TO ISGS SITE No. 693V-14. 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: 40122748
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:

Date:

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

Summary Table of ISGS Site No. 693V-14
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	VL-1(0-7)-082614	VL-1(7-15)-082614	VL3-3 (0-4)-101215	VL3-4 (0-2)-101215	Soil Reference Concentrations[A]
Sample Date	8/26/2014	8/26/2014	10/12/2015	10/12/2015	
Location ID	VL-1	VL-1	VL3-3	VL3-4	
Depth	0 - 7	7 - 15	0 - 4	0 - 2	
Lab Sample ID	500-83013-15	500-83013-16	40122748008	40122748007	
Location Code	693V-14	693V-14	693V-14	693V-14	
Parameter					
Laboratory pH	8.61	8.17	8.73 J	8.51 J	<6.25, >9.0
VOCs (ug/kg)					
SVOCs (ug/kg)					
Benzo(a)anthracene	ND	ND	ND	ND	900 / 1100 / 1800
Benzo(a)pyrene	ND	ND	42.9 J	ND	90 / 1300 / 2100
Dibenzo(a,h)anthracene	ND	ND	ND	ND	90 / 200 / 420
Total Metals (mg/kg)					
Antimony, Total	ND	ND	ND	ND	5
Barium, Total	25	7.7	32.4	47.9	1500
Beryllium, Total	ND	0.16 J	0.24	0.35	22
Cadmium, Total	0.48 J	0.35	0.22 J	0.23 J	5.2
Calcium, Total	180000 J	150000 J	128000	99900	---
Chromium, Total	4.2 J	4.2	10.1 J	11.6 J	21
Cobalt, Total	2.5 J	2.7	3.1	5.4	20
Copper, Total	5.5	11	10.7	12.7	2900
Iron, Total	6600 J+	11000 J+	8190	11000	15000 / 15900
Lead, Total	3.3 B	5	10.8 J	34.6 J	107
Magnesium, Total	99000 J	82000 J	74200	57200	325000
Manganese, Total	340	300	400	405	630 / 636
Mercury, Total	ND	ND	0.018 J	0.02 J	0.89
Nickel, Total	5.9	6	7.3 J	9.5 J	100
Potassium, Total	630	1100	1740	1780	---
Selenium, Total	ND	ND	ND	ND	1.3
Silver, Total	ND	ND	ND	ND	4.4
Sodium, Total	270 J	310	757	893	---
Thallium, Total	ND	ND	ND	ND	2.6
Vanadium, Total	7.2	5.9 B	16.1	18.8	550
Zinc, Total	15	30	26.1 J	33.9 J	5100
TCLP Metals (mg/l)					
Barium, TCLP	0.4 J	0.23 J	0.42 J	0.48 J	2
Cadmium, TCLP	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	0.032	ND	ND	1
Copper, TCLP	0.028	0.053	ND	ND	0.65
Iron, TCLP	ND	0.61	ND	ND	5
Lead, TCLP	ND	ND	ND	0.003 J	0.0075
Manganese, TCLP	0.71	3.9	2	3.8	0.15
Mercury, TCLP	ND	ND	ND	0.00015 J	0.002
Nickel, TCLP	ND	0.041	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	0.05
Zinc, TCLP	0.18	0.16 B	0.027 J	0.071	5
SPLP Metals (mg/l)					
Arsenic, SPLP	ND	ND	ND	ND	0.05
Barium, SPLP	ND	ND	0.82	0.33 J	2
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	ND	ND	0.07	0.026 J	0.1
Cobalt, SPLP	ND	ND	ND	ND	1
Copper, SPLP	ND	ND	0.055	ND	0.65
Iron, SPLP	0.32	ND	60.6	20	5
Lead, SPLP	ND	ND	0.049	0.026	0.0075
Manganese, SPLP	0.013 J	ND	0.91	0.29	0.15
Mercury, SPLP	ND	ND	0.121	ND	0.002
Nickel, SPLP	ND	ND	0.056	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	0.05
Zinc, SPLP	ND	ND	0.37	0.13	5

Summary Table of ISGS Site No. 693V-14
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.

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: VL3-4 (0-2)-101215 **Lab ID: 40122748007** Collected: 10/12/15 13:10 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 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 13:47	7440-36-0	
Arsenic	**5.2**	mg/kg	0.89	0.35	1	10/19/15 16:30	10/20/15 13:47	7440-38-2	
Barium	**47.9**	mg/kg	0.89	0.050	1	10/19/15 16:30	10/20/15 13:47	7440-39-3	
Beryllium	**0.35**	mg/kg	0.089	0.010	1	10/19/15 16:30	10/20/15 13:47	7440-41-7	
Cadmium	**0.23J**	mg/kg	0.44	0.021	1	10/19/15 16:30	10/20/15 13:47	7440-43-9	B
Calcium	**99900**	mg/kg	17.8	1.9	2	10/19/15 16:30	10/20/15 14:25	7440-70-2	
Chromium	**11.6**	mg/kg	0.44	0.056	1	10/19/15 16:30	10/20/15 13:47	7440-47-3	
Cobalt	**5.4**	mg/kg	0.44	0.040	1	10/19/15 16:30	10/20/15 13:47	7440-48-4	
Copper	**12.7**	mg/kg	0.89	0.20	1	10/19/15 16:30	10/20/15 13:47	7440-50-8	
Iron	**11000**	mg/kg	4.4	0.40	1	10/19/15 16:30	10/20/15 13:47	7439-89-6	
Lead	**34.6**	mg/kg	0.89	0.18	1	10/19/15 16:30	10/20/15 13:47	7439-92-1	
Magnesium	**57200**	mg/kg	4.4	0.78	1	10/19/15 16:30	10/20/15 13:47	7439-95-4	
Manganese	**405**	mg/kg	0.44	0.060	1	10/19/15 16:30	10/20/15 13:47	7439-96-5	
Nickel	**9.5**	mg/kg	0.44	0.076	1	10/19/15 16:30	10/20/15 13:47	7440-02-0	
Potassium	**1780**	mg/kg	88.9	8.9	2	10/19/15 16:30	10/20/15 14:25	7440-09-7	
Selenium	**<0.40**	mg/kg	1.3	0.40	1	10/19/15 16:30	10/20/15 13:47	7782-49-2	
Silver	**<0.092**	mg/kg	0.62	0.092	1	10/19/15 16:30	10/20/15 13:47	7440-22-4	
Sodium	**893**	mg/kg	44.5	1.4	1	10/19/15 16:30	10/20/15 13:47	7440-23-5	
Thallium	**<0.27**	mg/kg	1.8	0.27	1	10/19/15 16:30	10/20/15 13:47	7440-28-0	
Vanadium	**18.8**	mg/kg	0.89	0.095	1	10/19/15 16:30	10/20/15 13:47	7440-62-2	
Zinc	**33.9**	mg/kg	8.9	0.50	1	10/19/15 16:30	10/20/15 13:47	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 14:02	7440-38-2	
Barium	**0.33J**	mg/L	0.50	0.25	1	10/15/15 16:47	10/22/15 14:02	7440-39-3	
Beryllium	**<0.025**	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:02	7440-41-7	
Cadmium	**<0.0025**	mg/L	0.0050	0.0025	1	10/15/15 16:47	10/22/15 14:02	7440-43-9	
Chromium	**0.026J**	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:02	7440-47-3	
Cobalt	**<0.025**	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:02	7440-48-4	
Copper	**<0.025**	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:02	7440-50-8	
Iron	**20.0**	mg/L	0.50	0.25	1	10/15/15 16:47	10/22/15 14:02	7439-89-6	
Lead	**0.026**	mg/L	0.0075	0.0038	1	10/15/15 16:47	10/22/15 14:02	7439-92-1	3q
Manganese	**0.29**	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:02	7439-96-5	
Nickel	**<0.025**	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:02	7440-02-0	
Selenium	**<0.025**	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:02	7782-49-2	
Silver	**<0.025**	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:02	7440-22-4	
Zinc	**0.13**	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:02	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 13:26	7440-38-2	
Barium	**0.48J**	mg/L	0.50	0.25	1	10/15/15 16:26	10/22/15 13:26	7440-39-3	
Beryllium	**<0.025**	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:26	7440-41-7	
Cadmium	**<0.0025**	mg/L	0.0050	0.0025	1	10/15/15 16:26	10/22/15 13:26	7440-43-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: VL3-4 (0-2)-101215 **Lab ID: 40122748007** Collected: 10/12/15 13:10 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 17:33								
Chromium	**<0.025**	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:26	7440-47-3	
Cobalt	**<0.025**	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:26	7440-48-4	
Copper	**<0.025**	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:26	7440-50-8	
Iron	**<0.25**	mg/L	0.50	0.25	1	10/15/15 16:26	10/22/15 13:26	7439-89-6	
Lead	**0.0030J**	mg/L	0.0075	0.0030	1	10/15/15 16:26	10/22/15 13:26	7439-92-1	
Manganese	**3.8**	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:26	7439-96-5	
Nickel	**<0.025**	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:26	7440-02-0	
Selenium	**<0.025**	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:26	7782-49-2	
Silver	**<0.025**	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:26	7440-22-4	
Zinc	**0.071**	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:26	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 09:07	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	**0.15J**	ug/L	0.20	0.10	1	10/16/15 09:15	10/19/15 10:11	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.020J**	mg/kg	0.033	0.0017	1	10/19/15 10:00	10/19/15 16:01	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	10/14/15 09:32	10/15/15 10:42	83-32-9	
Acenaphthylene	**<64.6**	ug/kg	215	64.6	1	10/14/15 09:32	10/15/15 10:42	208-96-8	
Anthracene	**<28.9**	ug/kg	96.5	28.9	1	10/14/15 09:32	10/15/15 10:42	120-12-7	
Benzo(a)anthracene	**<28.1**	ug/kg	93.5	28.1	1	10/14/15 09:32	10/15/15 10:42	56-55-3	
Benzo(a)pyrene	**<27.3**	ug/kg	90.8	27.3	1	10/14/15 09:32	10/15/15 10:42	50-32-8	
Benzo(b)fluoranthene	**<31.1**	ug/kg	104	31.1	1	10/14/15 09:32	10/15/15 10:42	205-99-2	
Benzo(g,h,i)perylene	**<47.4**	ug/kg	158	47.4	1	10/14/15 09:32	10/15/15 10:42	191-24-2	
Benzo(k)fluoranthene	**<43.4**	ug/kg	145	43.4	1	10/14/15 09:32	10/15/15 10:42	207-08-9	
4-Bromophenylphenyl ether	**<37.9**	ug/kg	126	37.9	1	10/14/15 09:32	10/15/15 10:42	101-55-3	
Butylbenzylphthalate	**<29.0**	ug/kg	96.8	29.0	1	10/14/15 09:32	10/15/15 10:42	85-68-7	
Carbazole	**<28.4**	ug/kg	94.5	28.4	1	10/14/15 09:32	10/15/15 10:42	86-74-8	
4-Chloro-3-methylphenol	**<56.4**	ug/kg	188	56.4	1	10/14/15 09:32	10/15/15 10:42	59-50-7	
4-Chloroaniline	**<29.8**	ug/kg	99.2	29.8	1	10/14/15 09:32	10/15/15 10:42	106-47-8	
bis(2-Chloroethoxy)methane	**<48.8**	ug/kg	163	48.8	1	10/14/15 09:32	10/15/15 10:42	111-91-1	
bis(2-Chloroethyl) ether	**<56.5**	ug/kg	188	56.5	1	10/14/15 09:32	10/15/15 10:42	111-44-4	
2-Chloronaphthalene	**<23.3**	ug/kg	77.5	23.3	1	10/14/15 09:32	10/15/15 10:42	91-58-7	
2-Chlorophenol	**<45.2**	ug/kg	151	45.2	1	10/14/15 09:32	10/15/15 10:42	95-57-8	
4-Chlorophenylphenyl ether	**<33.7**	ug/kg	112	33.7	1	10/14/15 09:32	10/15/15 10:42	7005-72-3	
Chrysene	**<27.1**	ug/kg	90.3	27.1	1	10/14/15 09:32	10/15/15 10:42	218-01-9	L2
Dibenz(a,h)anthracene	**<49.2**	ug/kg	164	49.2	1	10/14/15 09:32	10/15/15 10:42	53-70-3	
Dibenzofuran	**<21.9**	ug/kg	73.1	21.9	1	10/14/15 09:32	10/15/15 10:42	132-64-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: VL3-4 (0-2)-101215 **Lab ID: 40122748007** Collected: 10/12/15 13:10 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								
1,2-Dichlorobenzene	**<57.0**	ug/kg	190	57.0	1	10/14/15 09:32	10/15/15 10:42	95-50-1	
1,3-Dichlorobenzene	**<25.1**	ug/kg	83.6	25.1	1	10/14/15 09:32	10/15/15 10:42	541-73-1	
1,4-Dichlorobenzene	**<25.2**	ug/kg	84.1	25.2	1	10/14/15 09:32	10/15/15 10:42	106-46-7	
3,3'-Dichlorobenzidine	**<49.1**	ug/kg	164	49.1	1	10/14/15 09:32	10/15/15 10:42	91-94-1	
2,4-Dichlorophenol	**<48.4**	ug/kg	161	48.4	1	10/14/15 09:32	10/15/15 10:42	120-83-2	
Diethylphthalate	**<30.0**	ug/kg	100	30.0	1	10/14/15 09:32	10/15/15 10:42	84-66-2	
2,4-Dimethylphenol	**<35.8**	ug/kg	119	35.8	1	10/14/15 09:32	10/15/15 10:42	105-67-9	
Dimethylphthalate	**<23.6**	ug/kg	78.5	23.6	1	10/14/15 09:32	10/15/15 10:42	131-11-3	
Di-n-butylphthalate	**<27.1**	ug/kg	90.2	27.1	1	10/14/15 09:32	10/15/15 10:42	84-74-2	
4,6-Dinitro-2-methylphenol	**<55.8**	ug/kg	186	55.8	1	10/14/15 09:32	10/15/15 10:42	534-52-1	
2,4-Dinitrophenol	**<55.2**	ug/kg	184	55.2	1	10/14/15 09:32	10/15/15 10:42	51-28-5	
2,4-Dinitrotoluene	**<25.9**	ug/kg	86.3	25.9	1	10/14/15 09:32	10/15/15 10:42	121-14-2	
2,6-Dinitrotoluene	**<34.4**	ug/kg	115	34.4	1	10/14/15 09:32	10/15/15 10:42	606-20-2	
Di-n-octylphthalate	**<40.7**	ug/kg	136	40.7	1	10/14/15 09:32	10/15/15 10:42	117-84-0	
bis(2-Ethylhexyl)phthalate	**38.7J**	ug/kg	100	30.1	1	10/14/15 09:32	10/15/15 10:42	117-81-7	
Fluoranthene	**<25.6**	ug/kg	85.4	25.6	1	10/14/15 09:32	10/15/15 10:42	206-44-0	
Fluorene	**<21.2**	ug/kg	70.6	21.2	1	10/14/15 09:32	10/15/15 10:42	86-73-7	
Hexachloro-1,3-butadiene	**<46.1**	ug/kg	154	46.1	1	10/14/15 09:32	10/15/15 10:42	87-68-3	
Hexachlorobenzene	**<30.5**	ug/kg	102	30.5	1	10/14/15 09:32	10/15/15 10:42	118-74-1	
Hexachlorocyclopentadiene	**<42.9**	ug/kg	143	42.9	1	10/14/15 09:32	10/15/15 10:42	77-47-4	
Hexachloroethane	**<29.0**	ug/kg	96.6	29.0	1	10/14/15 09:32	10/15/15 10:42	67-72-1	
Indeno(1,2,3-cd)pyrene	**<39.2**	ug/kg	131	39.2	1	10/14/15 09:32	10/15/15 10:42	193-39-5	
Isophorone	**<27.8**	ug/kg	92.8	27.8	1	10/14/15 09:32	10/15/15 10:42	78-59-1	
2-Methylnaphthalene	**<47.0**	ug/kg	157	47.0	1	10/14/15 09:32	10/15/15 10:42	91-57-6	
2-Methylphenol(o-Cresol)	**<32.9**	ug/kg	110	32.9	1	10/14/15 09:32	10/15/15 10:42	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<33.2**	ug/kg	111	33.2	1	10/14/15 09:32	10/15/15 10:42		
Naphthalene	**<63.3**	ug/kg	211	63.3	1	10/14/15 09:32	10/15/15 10:42	91-20-3	
2-Nitroaniline	**<51.6**	ug/kg	172	51.6	1	10/14/15 09:32	10/15/15 10:42	88-74-4	
3-Nitroaniline	**<30.8**	ug/kg	103	30.8	1	10/14/15 09:32	10/15/15 10:42	99-09-2	
4-Nitroaniline	**<75.2**	ug/kg	251	75.2	1	10/14/15 09:32	10/15/15 10:42	100-01-6	
Nitrobenzene	**<36.7**	ug/kg	122	36.7	1	10/14/15 09:32	10/15/15 10:42	98-95-3	
2-Nitrophenol	**<57.2**	ug/kg	191	57.2	1	10/14/15 09:32	10/15/15 10:42	88-75-5	
4-Nitrophenol	**<45.6**	ug/kg	152	45.6	1	10/14/15 09:32	10/15/15 10:42	100-02-7	
N-Nitroso-di-n-propylamine	**<28.7**	ug/kg	95.7	28.7	1	10/14/15 09:32	10/15/15 10:42	621-64-7	
N-Nitrosodiphenylamine	**<246**	ug/kg	819	246	1	10/14/15 09:32	10/15/15 10:42	86-30-6	
2,2'-Oxybis(1-chloropropane)	**<46.7**	ug/kg	156	46.7	1	10/14/15 09:32	10/15/15 10:42	108-60-1	
Pentachlorophenol	**<39.9**	ug/kg	133	39.9	1	10/14/15 09:32	10/15/15 10:42	87-86-5	
Phenanthrene	**<23.2**	ug/kg	77.5	23.2	1	10/14/15 09:32	10/15/15 10:42	85-01-8	
Phenol	**<43.0**	ug/kg	143	43.0	1	10/14/15 09:32	10/15/15 10:42	108-95-2	
Pyrene	**<40.1**	ug/kg	134	40.1	1	10/14/15 09:32	10/15/15 10:42	129-00-0	
1,2,4-Trichlorobenzene	**<20.5**	ug/kg	68.3	20.5	1	10/14/15 09:32	10/15/15 10:42	120-82-1	
2,4,5-Trichlorophenol	**<32.0**	ug/kg	107	32.0	1	10/14/15 09:32	10/15/15 10:42	95-95-4	
2,4,6-Trichlorophenol	**<27.6**	ug/kg	92.0	27.6	1	10/14/15 09:32	10/15/15 10:42	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	74	%	45-130		1	10/14/15 09:32	10/15/15 10:42	4165-60-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: VL3-4 (0-2)-101215 **Lab ID: 40122748007** Collected: 10/12/15 13:10 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									
2-Fluorobiphenyl (S)	73	%	51-130		1	10/14/15 09:32	10/15/15 10:42	321-60-8	
Terphenyl-d14 (S)	105	%	37-134		1	10/14/15 09:32	10/15/15 10:42	1718-51-0	
Phenol-d6 (S)	73	%	36-130		1	10/14/15 09:32	10/15/15 10:42	13127-88-3	
2-Fluorophenol (S)	70	%	37-130		1	10/14/15 09:32	10/15/15 10:42	367-12-4	
2,4,6-Tribromophenol (S)	83	%	30-130		1	10/14/15 09:32	10/15/15 10:42	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	10/14/15 12:00	10/14/15 15:43	67-64-1	2q
Benzene	**<1.1**	ug/kg	3.3	1.1	1	10/14/15 12:00	10/14/15 15:43	71-43-2	
Bromodichloromethane	**<0.73**	ug/kg	3.3	0.73	1	10/14/15 12:00	10/14/15 15:43	75-27-4	
Bromoform	**<0.56**	ug/kg	3.3	0.56	1	10/14/15 12:00	10/14/15 15:43	75-25-2	
Bromomethane	**<0.99**	ug/kg	6.6	0.99	1	10/14/15 12:00	10/14/15 15:43	74-83-9	
2-Butanone (MEK)	**<1.9**	ug/kg	13.2	1.9	1	10/14/15 12:00	10/14/15 15:43	78-93-3	
Carbon disulfide	**<0.86**	ug/kg	3.3	0.86	1	10/14/15 12:00	10/14/15 15:43	75-15-0	
Carbon tetrachloride	**<1.1**	ug/kg	3.3	1.1	1	10/14/15 12:00	10/14/15 15:43	56-23-5	
Chlorobenzene	**<1.0**	ug/kg	3.3	1.0	1	10/14/15 12:00	10/14/15 15:43	108-90-7	
Chloroethane	**<1.3**	ug/kg	3.3	1.3	1	10/14/15 12:00	10/14/15 15:43	75-00-3	
Chloroform	**<0.63**	ug/kg	3.3	0.63	1	10/14/15 12:00	10/14/15 15:43	67-66-3	
Chloromethane	**<0.37**	ug/kg	3.3	0.37	1	10/14/15 12:00	10/14/15 15:43	74-87-3	
Dibromochloromethane	**<1.1**	ug/kg	3.3	1.1	1	10/14/15 12:00	10/14/15 15:43	124-48-1	
1,1-Dichloroethane	**<1.6**	ug/kg	3.3	1.6	1	10/14/15 12:00	10/14/15 15:43	75-34-3	
1,2-Dichloroethane	**<0.65**	ug/kg	3.3	0.65	1	10/14/15 12:00	10/14/15 15:43	107-06-2	
1,1-Dichloroethene	**<1.5**	ug/kg	3.3	1.5	1	10/14/15 12:00	10/14/15 15:43	75-35-4	
cis-1,2-Dichloroethene	**<0.88**	ug/kg	3.3	0.88	1	10/14/15 12:00	10/14/15 15:43	156-59-2	
trans-1,2-Dichloroethene	**<0.82**	ug/kg	3.3	0.82	1	10/14/15 12:00	10/14/15 15:43	156-60-5	
1,2-Dichloropropane	**<0.84**	ug/kg	3.3	0.84	1	10/14/15 12:00	10/14/15 15:43	78-87-5	
cis-1,3-Dichloropropene	**<0.44**	ug/kg	3.3	0.44	1	10/14/15 12:00	10/14/15 15:43	10061-01-5	
trans-1,3-Dichloropropene	**<0.61**	ug/kg	3.3	0.61	1	10/14/15 12:00	10/14/15 15:43	10061-02-6	
Ethylbenzene	**<0.96**	ug/kg	3.3	0.96	1	10/14/15 12:00	10/14/15 15:43	100-41-4	
2-Hexanone	**<0.98**	ug/kg	3.3	0.98	1	10/14/15 12:00	10/14/15 15:43	591-78-6	
Methylene Chloride	**<1.2**	ug/kg	3.3	1.2	1	10/14/15 12:00	10/14/15 15:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.81**	ug/kg	3.3	0.81	1	10/14/15 12:00	10/14/15 15:43	108-10-1	
Methyl-tert-butyl ether	**<0.66**	ug/kg	3.3	0.66	1	10/14/15 12:00	10/14/15 15:43	1634-04-4	
Styrene	**<0.50**	ug/kg	3.3	0.50	1	10/14/15 12:00	10/14/15 15:43	100-42-5	
1,1,2,2-Tetrachloroethane	**<1.4**	ug/kg	3.3	1.4	1	10/14/15 12:00	10/14/15 15:43	79-34-5	
Tetrachloroethene	**<1.0**	ug/kg	3.3	1.0	1	10/14/15 12:00	10/14/15 15:43	127-18-4	
Toluene	**<0.99**	ug/kg	3.3	0.99	1	10/14/15 12:00	10/14/15 15:43	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/kg	3.3	1.0	1	10/14/15 12:00	10/14/15 15:43	71-55-6	
1,1,2-Trichloroethane	**<1.3**	ug/kg	3.3	1.3	1	10/14/15 12:00	10/14/15 15:43	79-00-5	
Trichloroethene	**<1.3**	ug/kg	3.3	1.3	1	10/14/15 12:00	10/14/15 15:43	79-01-6	
Vinyl chloride	**<0.36**	ug/kg	3.3	0.36	1	10/14/15 12:00	10/14/15 15:43	75-01-4	
Xylene (Total)	**<3.0**	ug/kg	9.9	3.0	1	10/14/15 12:00	10/14/15 15:43	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	101	%	70-130		1	10/14/15 12:00	10/14/15 15:43	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: VL3-4 (0-2)-101215 **Lab ID: 40122748007** Collected: 10/12/15 13:10 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
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	105	%	67-138		1	10/14/15 12:00	10/14/15 15:43	2037-26-5	
4-Bromofluorobenzene (S)	97	%	68-130		1	10/14/15 12:00	10/14/15 15:43	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.8**	%	0.10	0.10	1		10/13/15 16:20		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.51**	Std. Units	0.100	0.0100	1		10/14/15 20:00		H6

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: VL3-3 (0-4)-101215 **Lab ID: 40122748008** Collected: 10/12/15 13:30 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 Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	**<0.28**	mg/kg	0.90	0.28	1	10/19/15 16:30	10/20/15 13:50	7440-36-0	
Arsenic	**4.0**	mg/kg	0.90	0.35	1	10/19/15 16:30	10/20/15 13:50	7440-38-2	
Barium	**32.4**	mg/kg	0.90	0.051	1	10/19/15 16:30	10/20/15 13:50	7440-39-3	
Beryllium	**0.24**	mg/kg	0.090	0.010	1	10/19/15 16:30	10/20/15 13:50	7440-41-7	
Cadmium	**0.22J**	mg/kg	0.45	0.021	1	10/19/15 16:30	10/20/15 13:50	7440-43-9	B
Calcium	**128000**	mg/kg	18.0	2.0	2	10/19/15 16:30	10/20/15 14:27	7440-70-2	
Chromium	**10.1**	mg/kg	0.45	0.056	1	10/19/15 16:30	10/20/15 13:50	7440-47-3	
Cobalt	**3.1**	mg/kg	0.45	0.041	1	10/19/15 16:30	10/20/15 13:50	7440-48-4	
Copper	**10.7**	mg/kg	0.90	0.20	1	10/19/15 16:30	10/20/15 13:50	7440-50-8	
Iron	**8190**	mg/kg	4.5	0.40	1	10/19/15 16:30	10/20/15 13:50	7439-89-6	
Lead	**10.8**	mg/kg	0.90	0.18	1	10/19/15 16:30	10/20/15 13:50	7439-92-1	
Magnesium	**74200**	mg/kg	4.5	0.79	1	10/19/15 16:30	10/20/15 13:50	7439-95-4	
Manganese	**400**	mg/kg	0.45	0.061	1	10/19/15 16:30	10/20/15 13:50	7439-96-5	
Nickel	**7.3**	mg/kg	0.45	0.076	1	10/19/15 16:30	10/20/15 13:50	7440-02-0	
Potassium	**1740**	mg/kg	89.9	9.0	2	10/19/15 16:30	10/20/15 14:27	7440-09-7	
Selenium	**<0.41**	mg/kg	1.3	0.41	1	10/19/15 16:30	10/20/15 13:50	7782-49-2	
Silver	**<0.093**	mg/kg	0.63	0.093	1	10/19/15 16:30	10/20/15 13:50	7440-22-4	
Sodium	**757**	mg/kg	44.9	1.4	1	10/19/15 16:30	10/20/15 13:50	7440-23-5	
Thallium	**<0.28**	mg/kg	1.8	0.28	1	10/19/15 16:30	10/20/15 13:50	7440-28-0	
Vanadium	**16.1**	mg/kg	0.90	0.096	1	10/19/15 16:30	10/20/15 13:50	7440-62-2	
Zinc	**26.1**	mg/kg	9.0	0.51	1	10/19/15 16:30	10/20/15 13:50	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 14:04	7440-38-2	
Barium	**0.82**	mg/L	0.50	0.25	1	10/15/15 16:47	10/22/15 14:04	7440-39-3	
Beryllium	**<0.025**	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:04	7440-41-7	
Cadmium	**<0.0025**	mg/L	0.0050	0.0025	1	10/15/15 16:47	10/22/15 14:04	7440-43-9	
Chromium	**0.070**	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:04	7440-47-3	
Cobalt	**<0.025**	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:04	7440-48-4	
Copper	**0.055**	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:04	7440-50-8	
Iron	**60.6**	mg/L	0.50	0.25	1	10/15/15 16:47	10/22/15 14:04	7439-89-6	
Lead	**0.049**	mg/L	0.0075	0.0038	1	10/15/15 16:47	10/22/15 14:04	7439-92-1	
Manganese	**0.91**	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:04	7439-96-5	
Nickel	**0.056**	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:04	7440-02-0	
Selenium	**<0.025**	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:04	7782-49-2	
Silver	**<0.025**	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:04	7440-22-4	
Zinc	**0.37**	mg/L	0.050	0.025	1	10/15/15 16:47	10/22/15 14:04	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 13:29	7440-38-2	
Barium	**0.42J**	mg/L	0.50	0.25	1	10/15/15 16:26	10/22/15 13:29	7440-39-3	
Beryllium	**<0.025**	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:29	7440-41-7	
Cadmium	**<0.0025**	mg/L	0.0050	0.0025	1	10/15/15 16:26	10/22/15 13:29	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: VL3-3 (0-4)-101215 **Lab ID: 40122748008** Collected: 10/12/15 13:30 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 17:33								
Chromium	**<0.025**	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:29	7440-47-3	
Cobalt	**<0.025**	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:29	7440-48-4	
Copper	**<0.025**	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:29	7440-50-8	
Iron	**<0.25**	mg/L	0.50	0.25	1	10/15/15 16:26	10/22/15 13:29	7439-89-6	
Lead	**<0.0030**	mg/L	0.0075	0.0030	1	10/15/15 16:26	10/22/15 13:29	7439-92-1	
Manganese	**2.0**	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:29	7439-96-5	
Nickel	**<0.025**	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:29	7440-02-0	
Selenium	**<0.025**	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:29	7782-49-2	
Silver	**<0.025**	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:29	7440-22-4	
Zinc	**0.027J**	mg/L	0.050	0.025	1	10/15/15 16:26	10/22/15 13:29	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	**121**	ug/L	4.0	2.0	20	10/16/15 09:15	10/19/15 10:44	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 10:14	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.018J**	mg/kg	0.051	0.0027	1	10/19/15 10:00	10/19/15 16:03	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	10/14/15 09:32	10/15/15 12:52	83-32-9	
Acenaphthylene	**<67.4**	ug/kg	225	67.4	1	10/14/15 09:32	10/15/15 12:52	208-96-8	
Anthracene	**<30.2**	ug/kg	101	30.2	1	10/14/15 09:32	10/15/15 12:52	120-12-7	
Benzo(a)anthracene	**<29.3**	ug/kg	97.6	29.3	1	10/14/15 09:32	10/15/15 12:52	56-55-3	
Benzo(a)pyrene	**42.9J**	ug/kg	94.8	28.4	1	10/14/15 09:32	10/15/15 12:52	50-32-8	
Benzo(b)fluoranthene	**36.5J**	ug/kg	108	32.5	1	10/14/15 09:32	10/15/15 12:52	205-99-2	
Benzo(g,h,i)perylene	**103J**	ug/kg	165	49.4	1	10/14/15 09:32	10/15/15 12:52	191-24-2	
Benzo(k)fluoranthene	**<45.2**	ug/kg	151	45.2	1	10/14/15 09:32	10/15/15 12:52	207-08-9	
4-Bromophenylphenyl ether	**<39.6**	ug/kg	132	39.6	1	10/14/15 09:32	10/15/15 12:52	101-55-3	
Butylbenzylphthalate	**<30.3**	ug/kg	101	30.3	1	10/14/15 09:32	10/15/15 12:52	85-68-7	
Carbazole	**<29.6**	ug/kg	98.6	29.6	1	10/14/15 09:32	10/15/15 12:52	86-74-8	
4-Chloro-3-methylphenol	**<58.8**	ug/kg	196	58.8	1	10/14/15 09:32	10/15/15 12:52	59-50-7	
4-Chloroaniline	**<31.1**	ug/kg	104	31.1	1	10/14/15 09:32	10/15/15 12:52	106-47-8	
bis(2-Chloroethoxy)methane	**<50.9**	ug/kg	170	50.9	1	10/14/15 09:32	10/15/15 12:52	111-91-1	
bis(2-Chloroethyl) ether	**<59.0**	ug/kg	197	59.0	1	10/14/15 09:32	10/15/15 12:52	111-44-4	
2-Chloronaphthalene	**<24.3**	ug/kg	80.9	24.3	1	10/14/15 09:32	10/15/15 12:52	91-58-7	
2-Chlorophenol	**<47.2**	ug/kg	157	47.2	1	10/14/15 09:32	10/15/15 12:52	95-57-8	
4-Chlorophenylphenyl ether	**<35.2**	ug/kg	117	35.2	1	10/14/15 09:32	10/15/15 12:52	7005-72-3	
Chrysene	**38.0J**	ug/kg	94.2	28.3	1	10/14/15 09:32	10/15/15 12:52	218-01-9	L2
Dibenz(a,h)anthracene	**<51.3**	ug/kg	171	51.3	1	10/14/15 09:32	10/15/15 12:52	53-70-3	
Dibenzofuran	**<22.9**	ug/kg	76.3	22.9	1	10/14/15 09:32	10/15/15 12:52	132-64-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: VL3-3 (0-4)-101215 **Lab ID: 40122748008** Collected: 10/12/15 13:30 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								
1,2-Dichlorobenzene	**<59.4**	ug/kg	198	59.4	1	10/14/15 09:32	10/15/15 12:52	95-50-1	
1,3-Dichlorobenzene	**<26.2**	ug/kg	87.2	26.2	1	10/14/15 09:32	10/15/15 12:52	541-73-1	
1,4-Dichlorobenzene	**<26.3**	ug/kg	87.8	26.3	1	10/14/15 09:32	10/15/15 12:52	106-46-7	
3,3'-Dichlorobenzidine	**<51.3**	ug/kg	171	51.3	1	10/14/15 09:32	10/15/15 12:52	91-94-1	
2,4-Dichlorophenol	**<50.5**	ug/kg	168	50.5	1	10/14/15 09:32	10/15/15 12:52	120-83-2	
Diethylphthalate	**<31.3**	ug/kg	104	31.3	1	10/14/15 09:32	10/15/15 12:52	84-66-2	
2,4-Dimethylphenol	**<37.4**	ug/kg	125	37.4	1	10/14/15 09:32	10/15/15 12:52	105-67-9	
Dimethylphthalate	**<24.6**	ug/kg	81.9	24.6	1	10/14/15 09:32	10/15/15 12:52	131-11-3	
Di-n-butylphthalate	**<28.2**	ug/kg	94.2	28.2	1	10/14/15 09:32	10/15/15 12:52	84-74-2	
4,6-Dinitro-2-methylphenol	**<58.2**	ug/kg	194	58.2	1	10/14/15 09:32	10/15/15 12:52	534-52-1	
2,4-Dinitrophenol	**<57.6**	ug/kg	192	57.6	1	10/14/15 09:32	10/15/15 12:52	51-28-5	
2,4-Dinitrotoluene	**<27.0**	ug/kg	90.1	27.0	1	10/14/15 09:32	10/15/15 12:52	121-14-2	
2,6-Dinitrotoluene	**<35.9**	ug/kg	120	35.9	1	10/14/15 09:32	10/15/15 12:52	606-20-2	
Di-n-octylphthalate	**<42.5**	ug/kg	142	42.5	1	10/14/15 09:32	10/15/15 12:52	117-84-0	
bis(2-Ethylhexyl)phthalate	**<31.4**	ug/kg	105	31.4	1	10/14/15 09:32	10/15/15 12:52	117-81-7	
Fluoranthene	**<26.7**	ug/kg	89.1	26.7	1	10/14/15 09:32	10/15/15 12:52	206-44-0	
Fluorene	**<22.1**	ug/kg	73.6	22.1	1	10/14/15 09:32	10/15/15 12:52	86-73-7	
Hexachloro-1,3-butadiene	**<48.1**	ug/kg	160	48.1	1	10/14/15 09:32	10/15/15 12:52	87-68-3	
Hexachlorobenzene	**<31.8**	ug/kg	106	31.8	1	10/14/15 09:32	10/15/15 12:52	118-74-1	
Hexachlorocyclopentadiene	**<44.7**	ug/kg	149	44.7	1	10/14/15 09:32	10/15/15 12:52	77-47-4	
Hexachloroethane	**<30.2**	ug/kg	101	30.2	1	10/14/15 09:32	10/15/15 12:52	67-72-1	
Indeno(1,2,3-cd)pyrene	**78.6J**	ug/kg	136	40.9	1	10/14/15 09:32	10/15/15 12:52	193-39-5	
Isophorone	**<29.1**	ug/kg	96.8	29.1	1	10/14/15 09:32	10/15/15 12:52	78-59-1	
2-Methylnaphthalene	**<49.1**	ug/kg	164	49.1	1	10/14/15 09:32	10/15/15 12:52	91-57-6	
2-Methylphenol(o-Cresol)	**<34.3**	ug/kg	114	34.3	1	10/14/15 09:32	10/15/15 12:52	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<34.6**	ug/kg	115	34.6	1	10/14/15 09:32	10/15/15 12:52		
Naphthalene	**<66.1**	ug/kg	220	66.1	1	10/14/15 09:32	10/15/15 12:52	91-20-3	
2-Nitroaniline	**<53.9**	ug/kg	180	53.9	1	10/14/15 09:32	10/15/15 12:52	88-74-4	
3-Nitroaniline	**<32.1**	ug/kg	107	32.1	1	10/14/15 09:32	10/15/15 12:52	99-09-2	
4-Nitroaniline	**<78.4**	ug/kg	261	78.4	1	10/14/15 09:32	10/15/15 12:52	100-01-6	
Nitrobenzene	**<38.3**	ug/kg	128	38.3	1	10/14/15 09:32	10/15/15 12:52	98-95-3	
2-Nitrophenol	**<59.6**	ug/kg	199	59.6	1	10/14/15 09:32	10/15/15 12:52	88-75-5	
4-Nitrophenol	**<47.6**	ug/kg	159	47.6	1	10/14/15 09:32	10/15/15 12:52	100-02-7	
N-Nitroso-di-n-propylamine	**<30.0**	ug/kg	99.9	30.0	1	10/14/15 09:32	10/15/15 12:52	621-64-7	
N-Nitrosodiphenylamine	**<256**	ug/kg	855	256	1	10/14/15 09:32	10/15/15 12:52	86-30-6	
2,2'-Oxybis(1-chloropropane)	**<48.7**	ug/kg	162	48.7	1	10/14/15 09:32	10/15/15 12:52	108-60-1	
Pentachlorophenol	**<41.6**	ug/kg	139	41.6	1	10/14/15 09:32	10/15/15 12:52	87-86-5	
Phenanthrene	**<24.2**	ug/kg	80.8	24.2	1	10/14/15 09:32	10/15/15 12:52	85-01-8	
Phenol	**<44.8**	ug/kg	149	44.8	1	10/14/15 09:32	10/15/15 12:52	108-95-2	
Pyrene	**73.9J**	ug/kg	140	41.9	1	10/14/15 09:32	10/15/15 12:52	129-00-0	
1,2,4-Trichlorobenzene	**<21.4**	ug/kg	71.2	21.4	1	10/14/15 09:32	10/15/15 12:52	120-82-1	
2,4,5-Trichlorophenol	**<33.4**	ug/kg	111	33.4	1	10/14/15 09:32	10/15/15 12:52	95-95-4	
2,4,6-Trichlorophenol	**<28.8**	ug/kg	96.0	28.8	1	10/14/15 09:32	10/15/15 12:52	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	74	%	45-130		1	10/14/15 09:32	10/15/15 12:52	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

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Pace Project No.: 40122748

Sample: VL3-3 (0-4)-101215 **Lab ID: 40122748008** Collected: 10/12/15 13:30 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									
2-Fluorobiphenyl (S)	79	%	51-130		1	10/14/15 09:32	10/15/15 12:52	321-60-8	
Terphenyl-d14 (S)	169	%	37-134		1	10/14/15 09:32	10/15/15 12:52	1718-51-0	S3
Phenol-d6 (S)	91	%	36-130		1	10/14/15 09:32	10/15/15 12:52	13127-88-3	
2-Fluorophenol (S)	73	%	37-130		1	10/14/15 09:32	10/15/15 12:52	367-12-4	
2,4,6-Tribromophenol (S)	72	%	30-130		1	10/14/15 09:32	10/15/15 12:52	118-79-6	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Acetone	**<4.6**	ug/kg	14.6	4.6	1	10/14/15 12:00	10/14/15 16:06	67-64-1	2q
Benzene	**<1.2**	ug/kg	3.7	1.2	1	10/14/15 12:00	10/14/15 16:06	71-43-2	
Bromodichloromethane	**<0.80**	ug/kg	3.7	0.80	1	10/14/15 12:00	10/14/15 16:06	75-27-4	
Bromoform	**<0.62**	ug/kg	3.7	0.62	1	10/14/15 12:00	10/14/15 16:06	75-25-2	
Bromomethane	**<1.1**	ug/kg	7.3	1.1	1	10/14/15 12:00	10/14/15 16:06	74-83-9	
2-Butanone (MEK)	**<2.1**	ug/kg	14.6	2.1	1	10/14/15 12:00	10/14/15 16:06	78-93-3	
Carbon disulfide	**<0.94**	ug/kg	3.7	0.94	1	10/14/15 12:00	10/14/15 16:06	75-15-0	
Carbon tetrachloride	**<1.2**	ug/kg	3.7	1.2	1	10/14/15 12:00	10/14/15 16:06	56-23-5	
Chlorobenzene	**<1.2**	ug/kg	3.7	1.2	1	10/14/15 12:00	10/14/15 16:06	108-90-7	
Chloroethane	**<1.5**	ug/kg	3.7	1.5	1	10/14/15 12:00	10/14/15 16:06	75-00-3	
Chloroform	**<0.69**	ug/kg	3.7	0.69	1	10/14/15 12:00	10/14/15 16:06	67-66-3	
Chloromethane	**<0.41**	ug/kg	3.7	0.41	1	10/14/15 12:00	10/14/15 16:06	74-87-3	
Dibromochloromethane	**<1.3**	ug/kg	3.7	1.3	1	10/14/15 12:00	10/14/15 16:06	124-48-1	
1,1-Dichloroethane	**<1.7**	ug/kg	3.7	1.7	1	10/14/15 12:00	10/14/15 16:06	75-34-3	
1,2-Dichloroethane	**<0.72**	ug/kg	3.7	0.72	1	10/14/15 12:00	10/14/15 16:06	107-06-2	
1,1-Dichloroethene	**<1.7**	ug/kg	3.7	1.7	1	10/14/15 12:00	10/14/15 16:06	75-35-4	
cis-1,2-Dichloroethene	**<0.97**	ug/kg	3.7	0.97	1	10/14/15 12:00	10/14/15 16:06	156-59-2	
trans-1,2-Dichloroethene	**<0.90**	ug/kg	3.7	0.90	1	10/14/15 12:00	10/14/15 16:06	156-60-5	
1,2-Dichloropropane	**<0.92**	ug/kg	3.7	0.92	1	10/14/15 12:00	10/14/15 16:06	78-87-5	
cis-1,3-Dichloropropene	**<0.49**	ug/kg	3.7	0.49	1	10/14/15 12:00	10/14/15 16:06	10061-01-5	
trans-1,3-Dichloropropene	**<0.68**	ug/kg	3.7	0.68	1	10/14/15 12:00	10/14/15 16:06	10061-02-6	
Ethylbenzene	**<1.1**	ug/kg	3.7	1.1	1	10/14/15 12:00	10/14/15 16:06	100-41-4	
2-Hexanone	**<1.1**	ug/kg	3.7	1.1	1	10/14/15 12:00	10/14/15 16:06	591-78-6	
Methylene Chloride	**<1.4**	ug/kg	3.7	1.4	1	10/14/15 12:00	10/14/15 16:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.90**	ug/kg	3.7	0.90	1	10/14/15 12:00	10/14/15 16:06	108-10-1	
Methyl-tert-butyl ether	**<0.73**	ug/kg	3.7	0.73	1	10/14/15 12:00	10/14/15 16:06	1634-04-4	
Styrene	**<0.55**	ug/kg	3.7	0.55	1	10/14/15 12:00	10/14/15 16:06	100-42-5	
1,1,2,2-Tetrachloroethane	**<1.5**	ug/kg	3.7	1.5	1	10/14/15 12:00	10/14/15 16:06	79-34-5	
Tetrachloroethene	**<1.1**	ug/kg	3.7	1.1	1	10/14/15 12:00	10/14/15 16:06	127-18-4	
Toluene	**<1.1**	ug/kg	3.7	1.1	1	10/14/15 12:00	10/14/15 16:06	108-88-3	
1,1,1-Trichloroethane	**<1.1**	ug/kg	3.7	1.1	1	10/14/15 12:00	10/14/15 16:06	71-55-6	
1,1,2-Trichloroethane	**<1.4**	ug/kg	3.7	1.4	1	10/14/15 12:00	10/14/15 16:06	79-00-5	
Trichloroethene	**<1.4**	ug/kg	3.7	1.4	1	10/14/15 12:00	10/14/15 16:06	79-01-6	
Vinyl chloride	**<0.40**	ug/kg	3.7	0.40	1	10/14/15 12:00	10/14/15 16:06	75-01-4	
Xylene (Total)	**<3.3**	ug/kg	11.0	3.3	1	10/14/15 12:00	10/14/15 16:06	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	102	%	70-130		1	10/14/15 12:00	10/14/15 16:06	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: VL3-3 (0-4)-101215 **Lab ID: 40122748008** Collected: 10/12/15 13:30 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
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	114	%	67-138		1	10/14/15 12:00	10/14/15 16:06	2037-26-5	
4-Bromofluorobenzene (S)	84	%	68-130		1	10/14/15 12:00	10/14/15 16:06	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.7**	%	0.10	0.10	1		10/13/15 16:20		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.73**	Std. Units	0.100	0.0100	1		10/14/15 20:00		H6

REPORT OF LABORATORY ANALYSIS

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

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

40122748

SKW

(Please Print Clearly)	
Company Name:	EDI
Branch/Location:	
Project Contact:	Patricia/Colin
Phone:	312 345 1400
Project Number:	0295.020
Project Name:	FAI 55
Project State:	IL
Sampled By (Print):	Colin Purrington
Sampled By (Sign):	
PO #:	Regulatory Program:

*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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOCs	SVOCs	Total Metals	TCLP metals	SPLP metals	pH	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	SR-16 (0-7) - 101215	10/12/15	1025	SO1										3-40ml vEEF 3-4oz A	
002	SR-16 (7-15) - 101215		1050												
003	SR-16 (15-23) - 101215		1015												
004	SR-15 (0-8) - 101215		1215												
005	SR-15 (8-16) - 101215		1235												
006	SR-15 (16-24) - 101215		1245												
007	VL3-4 (0-2) - 101215		1310												
008	VL3-3 (0-4) - 101215		1330												
009	VL3-2 (0-4) - 101215		1350												
010	VL3-1 (0-6) - 101215		1430												
011	VL3-1 (6-12) - 101215		1450												
012	VL15-1 (0-5) - 101215		1515												
013	VL15-1 (5-9) - 101215		1530												

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:	Received By:	Date/Time:
	10/12/15 1535	Brian Kingsmill	10/12/15 1535
Brian Kingsmill	10/12/15 1700	CS Logistics	10/12/15
CS Logistics	10/13/15 0750	Anna Pace	10/13/15 0750

PACE Project No.: 40122748

Receipt Temp = 20.5 0.0 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal: Present / Not Present; Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

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: 500-83013-1
Client Project/Site: IDOT - Channahon - WO 085

For:
Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. S. Babusukumar

Jodie Bracken

Authorized for release by:
9/10/2014 5:08:36 PM
Jodie Bracken, Project Management Assistant II
jodie.bracken@testamericainc.com

Designee for

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: VL-1(0-7)-082614
Date Collected: 08/26/14 12:20
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-15
Matrix: Solid
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	☼		08/29/14 02:48	1
Benzene	<5.5		5.5	0.76	ug/Kg	☼		08/29/14 02:48	1
Bromodichloromethane	<5.5		5.5	0.96	ug/Kg	☼		08/29/14 02:48	1
Bromoform	<5.5		5.5	1.3	ug/Kg	☼		08/29/14 02:48	1
Bromomethane	<5.5		5.5	1.7	ug/Kg	☼		08/29/14 02:48	1
Carbon disulfide	<5.5		5.5	0.83	ug/Kg	☼		08/29/14 02:48	1
Carbon tetrachloride	<5.5		5.5	1.0	ug/Kg	☼		08/29/14 02:48	1
Chlorobenzene	<5.5		5.5	0.56	ug/Kg	☼		08/29/14 02:48	1
Chloroethane	<5.5		5.5	1.5	ug/Kg	☼		08/29/14 02:48	1
Chloroform	<5.5		5.5	0.64	ug/Kg	☼		08/29/14 02:48	1
Chloromethane	<5.5		5.5	1.2	ug/Kg	☼		08/29/14 02:48	1
cis-1,2-Dichloroethene	<5.5		5.5	0.78	ug/Kg	☼		08/29/14 02:48	1
cis-1,3-Dichloropropene	<5.5		5.5	0.73	ug/Kg	☼		08/29/14 02:48	1
Dibromochloromethane	<5.5		5.5	0.97	ug/Kg	☼		08/29/14 02:48	1
1,1-Dichloroethane	<5.5		5.5	0.88	ug/Kg	☼		08/29/14 02:48	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		08/29/14 02:48	1
1,1-Dichloroethene	<5.5		5.5	0.90	ug/Kg	☼		08/29/14 02:48	1
1,2-Dichloropropane	<5.5		5.5	0.84	ug/Kg	☼		08/29/14 02:48	1
1,3-Dichloropropene, Total	<5.5		5.5	0.73	ug/Kg	☼		08/29/14 02:48	1
Ethylbenzene	<5.5		5.5	1.1	ug/Kg	☼		08/29/14 02:48	1
2-Hexanone	<5.5		5.5	1.6	ug/Kg	☼		08/29/14 02:48	1
Methylene Chloride	<5.5		5.5	1.5	ug/Kg	☼		08/29/14 02:48	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		08/29/14 02:48	1
methyl isobutyl ketone	<5.5		5.5	1.5	ug/Kg	☼		08/29/14 02:48	1
Methyl tert-butyl ether	<5.5		5.5	0.92	ug/Kg	☼		08/29/14 02:48	1
Styrene	<5.5		5.5	0.73	ug/Kg	☼		08/29/14 02:48	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/29/14 02:48	1
Tetrachloroethene	<5.5		5.5	0.85	ug/Kg	☼		08/29/14 02:48	1
Toluene	<5.5		5.5	0.78	ug/Kg	☼		08/29/14 02:48	1
trans-1,2-Dichloroethene	<5.5		5.5	0.76	ug/Kg	☼		08/29/14 02:48	1
trans-1,3-Dichloropropene	<5.5		5.5	0.99	ug/Kg	☼		08/29/14 02:48	1
1,1,1-Trichloroethane	<5.5		5.5	0.83	ug/Kg	☼		08/29/14 02:48	1
1,1,2-Trichloroethane	<5.5		5.5	0.76	ug/Kg	☼		08/29/14 02:48	1
Trichloroethene	<5.5		5.5	0.92	ug/Kg	☼		08/29/14 02:48	1
Vinyl chloride	<5.5		5.5	1.2	ug/Kg	☼		08/29/14 02:48	1
Xylenes, Total	<11		11	0.50	ug/Kg	☼		08/29/14 02:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*08/29/14 02:48*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*08/29/14 02:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*		*08/29/14 02:48*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*08/29/14 02:48*	*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	☼	09/03/14 16:55	09/05/14 22:21	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: VL-1(0-7)-082614
Date Collected: 08/26/14 12:20
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-15
Matrix: Solid
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	<350		350	81	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
2-Methylnaphthalene	<35		35	6.5	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
2-Methylphenol	<180		180	57	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
2-Nitrophenol	<350		350	83	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
4,6-Dinitro-2-methylphenol	<350		350	280	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
4-Chloroaniline	<710		710	170	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
4-Nitrophenol	<710		710	340	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Anthracene	<35		35	5.9	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Benzo[a]anthracene	<35		35	4.7	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Benzo[a]pyrene	<35		35	6.8	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Benzo[b]fluoranthene	<35		35	7.6	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Benzo[g,h,i]perylene	<35		35	11	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Benzo[k]fluoranthene	<35		35	10	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Bis(2-ethylhexyl) phthalate	<180		180	64	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Butyl benzyl phthalate	<180		180	67	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Carbazole	<180		180	91	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Chrysene	<35		35	9.6	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Dibenz(a,h)anthracene	<35		35	6.8	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Dibenzofuran	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Fluoranthene	<35		35	6.5	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Fluorene	<35		35	5.0	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Hexachlorobenzene	<71		71	8.2	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Hexachloroethane	<180		180	54	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: VL-1(0-7)-082614
Date Collected: 08/26/14 12:20
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-15
Matrix: Solid
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	<35		35	9.1	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Isophorone	<180		180	40	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Naphthalene	<35		35	5.4	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Nitrobenzene	<35		35	8.8	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
N-Nitrosodi-n-propylamine	<180		180	43	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Pentachlorophenol	<710		710	570	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Phenanthrene	<35		35	4.9	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Phenol	<180		180	78	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1
Pyrene	<35		35	7.0	ug/Kg	☼	09/03/14 16:55	09/05/14 22:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*74*		*35 - 137*	*09/03/14 16:55*	*09/05/14 22:21*	*1*
2-Fluorobiphenyl	*57*		*25 - 119*	*09/03/14 16:55*	*09/05/14 22:21*	*1*
2-Fluorophenol	*73*		*25 - 110*	*09/03/14 16:55*	*09/05/14 22:21*	*1*
Nitrobenzene-d5	*48*		*25 - 115*	*09/03/14 16:55*	*09/05/14 22:21*	*1*
Phenol-d5	*72*		*31 - 110*	*09/03/14 16:55*	*09/05/14 22:21*	*1*
Terphenyl-d14	*99*		*36 - 134*	*09/03/14 16:55*	*09/05/14 22:21*	*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		09/06/14 08:35	09/08/14 18:33	1
Barium	**0.40**	**J**	0.50	0.050	mg/L		09/06/14 08:35	09/08/14 18:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 08:35	09/08/14 18:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 08:35	09/08/14 18:33	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:33	1
Cobalt	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:33	1
Copper	**0.028**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:33	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 08:35	09/08/14 18:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 08:35	09/08/14 18:33	1
Manganese	**0.71**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:33	1
Nickel	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:33	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 18:33	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:33	1
Zinc	**0.18**		0.10	0.020	mg/L		09/06/14 08:35	09/08/14 18:33	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 08:30	09/05/14 01:06	1
Barium	<0.50		0.50	0.050	mg/L		09/04/14 08:30	09/05/14 01:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/05/14 01:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/05/14 01:06	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:06	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:06	1
Copper	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:06	1
Iron	**0.32**		0.20	0.20	mg/L		09/04/14 08:30	09/05/14 01:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:30	09/05/14 01:06	1
Manganese	**0.013**	**J**	0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:06	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:06	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 01:06	1

Client Sample ID: VL-1(0-7)-082614
Date Collected: 08/26/14 12:20
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-15
Matrix: Solid

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 08:30	09/05/14 01:06	1
Zinc	**0.023**	**J B**	0.10	0.020	mg/L		09/04/14 08:30	09/05/14 01:06	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<11		11	4.2	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Arsenic	**1.6**	**J**	5.3	1.0	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Barium	**25**		5.3	0.56	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Beryllium	<2.1		2.1	0.42	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Cadmium	**0.48**	**J**	1.1	0.13	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Calcium	**180000**	**B**	110	29	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Chromium	**4.2**	**J B**	5.3	0.61	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Cobalt	**2.5**	**J**	2.6	0.53	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Copper	**5.5**		5.3	1.1	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Iron	**6600**		110	43	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Lead	**3.3**	**B**	2.6	0.79	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Magnesium	**99000**	**B**	53	11	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Manganese	**340**		5.3	1.1	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Nickel	**5.9**		5.3	1.1	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Potassium	**630**		260	16	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Selenium	<2.6		2.6	0.94	mg/Kg	☼	09/08/14 18:00	09/10/14 13:22	5
Silver	<2.6		2.6	0.19	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Sodium	**270**	**J**	530	71	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Thallium	<5.3		5.3	2.2	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Vanadium	**7.2**		2.6	0.39	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10
Zinc	**15**		11	2.1	mg/Kg	☼	09/08/14 18:00	09/09/14 22:30	10

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		09/08/14 12:00	09/09/14 11:15	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 13:07	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	<18		18	7.2	ug/Kg	☼	09/04/14 15:00	09/05/14 11:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.61**		0.200	0.200	SU			08/29/14 19:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: VL-1(7-15)-082614
Date Collected: 08/26/14 12:25
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-16
Matrix: Solid
Percent Solids: 93.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.3		5.3	2.3	ug/Kg	☼		08/29/14 03:12	1
Benzene	<5.3		5.3	0.73	ug/Kg	☼		08/29/14 03:12	1
Bromodichloromethane	<5.3		5.3	0.92	ug/Kg	☼		08/29/14 03:12	1
Bromoform	<5.3		5.3	1.2	ug/Kg	☼		08/29/14 03:12	1
Bromomethane	<5.3		5.3	1.6	ug/Kg	☼		08/29/14 03:12	1
Carbon disulfide	<5.3		5.3	0.80	ug/Kg	☼		08/29/14 03:12	1
Carbon tetrachloride	<5.3		5.3	0.97	ug/Kg	☼		08/29/14 03:12	1
Chlorobenzene	<5.3		5.3	0.54	ug/Kg	☼		08/29/14 03:12	1
Chloroethane	<5.3		5.3	1.5	ug/Kg	☼		08/29/14 03:12	1
Chloroform	<5.3		5.3	0.61	ug/Kg	☼		08/29/14 03:12	1
Chloromethane	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 03:12	1
cis-1,2-Dichloroethene	<5.3		5.3	0.75	ug/Kg	☼		08/29/14 03:12	1
cis-1,3-Dichloropropene	<5.3		5.3	0.70	ug/Kg	☼		08/29/14 03:12	1
Dibromochloromethane	<5.3		5.3	0.93	ug/Kg	☼		08/29/14 03:12	1
1,1-Dichloroethane	<5.3		5.3	0.84	ug/Kg	☼		08/29/14 03:12	1
1,2-Dichloroethane	<5.3		5.3	0.79	ug/Kg	☼		08/29/14 03:12	1
1,1-Dichloroethene	<5.3		5.3	0.86	ug/Kg	☼		08/29/14 03:12	1
1,2-Dichloropropane	<5.3		5.3	0.81	ug/Kg	☼		08/29/14 03:12	1
1,3-Dichloropropene, Total	<5.3		5.3	0.70	ug/Kg	☼		08/29/14 03:12	1
Ethylbenzene	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 03:12	1
2-Hexanone	<5.3		5.3	1.5	ug/Kg	☼		08/29/14 03:12	1
Methylene Chloride	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 03:12	1
Methyl Ethyl Ketone	<5.3		5.3	1.9	ug/Kg	☼		08/29/14 03:12	1
methyl isobutyl ketone	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 03:12	1
Methyl tert-butyl ether	<5.3		5.3	0.88	ug/Kg	☼		08/29/14 03:12	1
Styrene	<5.3		5.3	0.70	ug/Kg	☼		08/29/14 03:12	1
1,1,2,2-Tetrachloroethane	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 03:12	1
Tetrachloroethene	<5.3		5.3	0.81	ug/Kg	☼		08/29/14 03:12	1
Toluene	<5.3		5.3	0.75	ug/Kg	☼		08/29/14 03:12	1
trans-1,2-Dichloroethene	<5.3		5.3	0.73	ug/Kg	☼		08/29/14 03:12	1
trans-1,3-Dichloropropene	<5.3		5.3	0.96	ug/Kg	☼		08/29/14 03:12	1
1,1,1-Trichloroethane	<5.3		5.3	0.80	ug/Kg	☼		08/29/14 03:12	1
1,1,2-Trichloroethane	<5.3		5.3	0.73	ug/Kg	☼		08/29/14 03:12	1
Trichloroethene	<5.3		5.3	0.88	ug/Kg	☼		08/29/14 03:12	1
Vinyl chloride	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 03:12	1
Xylenes, Total	<11		11	0.48	ug/Kg	☼		08/29/14 03:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 122*		*08/29/14 03:12*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*08/29/14 03:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*		*08/29/14 03:12*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*08/29/14 03:12*	*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	37	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
1,2-Dichlorobenzene	<170		170	41	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
1,3-Dichlorobenzene	<170		170	39	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
1,4-Dichlorobenzene	<170		170	45	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
2,2'-oxybis[1-chloropropane]	<170		170	40	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: VL-1(7-15)-082614
Date Collected: 08/26/14 12:25
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-16
Matrix: Solid
Percent Solids: 93.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<340		340	79	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
2,4,6-Trichlorophenol	<340		340	120	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
2,4-Dichlorophenol	<340		340	82	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
2,4-Dimethylphenol	<340		340	130	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
2,4-Dinitrophenol	<700		700	610	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
2,4-Dinitrotoluene	<170		170	55	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
2,6-Dinitrotoluene	<170		170	68	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
2-Chloronaphthalene	<170		170	38	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
2-Chlorophenol	<170		170	59	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
2-Methylnaphthalene	<34		34	6.4	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
2-Methylphenol	<170		170	56	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
2-Nitroaniline	<170		170	47	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
2-Nitrophenol	<340		340	82	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
3 & 4 Methylphenol	<170		170	58	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
3,3'-Dichlorobenzidine	<170		170	49	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
3-Nitroaniline	<340		340	110	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
4,6-Dinitro-2-methylphenol	<340		340	280	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
4-Bromophenyl phenyl ether	<170		170	46	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
4-Chloro-3-methylphenol	<340		340	120	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
4-Chloroaniline	<700		700	160	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
4-Chlorophenyl phenyl ether	<170		170	41	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
4-Nitroaniline	<340		340	150	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
4-Nitrophenol	<700		700	330	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Acenaphthene	<34		34	6.2	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Acenaphthylene	<34		34	4.6	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Anthracene	<34		34	5.8	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Benzo[a]anthracene	<34		34	4.7	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Benzo[a]pyrene	<34		34	6.7	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Benzo[b]fluoranthene	<34		34	7.5	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Benzo[g,h,i]perylene	<34		34	11	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Benzo[k]fluoranthene	<34		34	10	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Bis(2-chloroethoxy)methane	<170		170	35	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Bis(2-chloroethyl)ether	<170		170	52	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Bis(2-ethylhexyl) phthalate	<170		170	63	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Butyl benzyl phthalate	<170		170	66	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Carbazole	<170		170	90	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Chrysene	<34		34	9.5	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Dibenz(a,h)anthracene	<34		34	6.7	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Dibenzofuran	<170		170	41	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Diethyl phthalate	<170		170	59	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Dimethyl phthalate	<170		170	45	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Di-n-butyl phthalate	<170		170	53	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Di-n-octyl phthalate	<170		170	57	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Fluoranthene	<34		34	6.4	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Fluorene	<34		34	4.9	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Hexachlorobenzene	<70		70	8.0	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Hexachlorobutadiene	<170		170	55	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Hexachlorocyclopentadiene	<700		700	200	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Hexachloroethane	<170		170	53	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: VL-1(7-15)-082614
Date Collected: 08/26/14 12:25
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-16
Matrix: Solid
Percent Solids: 93.8

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	<34		34	9.0	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Isophorone	<170		170	39	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Naphthalene	<34		34	5.3	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Nitrobenzene	<34		34	8.7	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
N-Nitrosodi-n-propylamine	<170		170	42	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
N-Nitrosodiphenylamine	<170		170	41	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Pentachlorophenol	<700		700	560	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Phenanthrene	<34		34	4.8	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Phenol	<170		170	77	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1
Pyrene	<34		34	6.9	ug/Kg	☼	09/03/14 16:55	09/05/14 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*96*		*35 - 137*	*09/03/14 16:55*	*09/05/14 22:38*	*1*
2-Fluorobiphenyl	*60*		*25 - 119*	*09/03/14 16:55*	*09/05/14 22:38*	*1*
2-Fluorophenol	*78*		*25 - 110*	*09/03/14 16:55*	*09/05/14 22:38*	*1*
Nitrobenzene-d5	*48*		*25 - 115*	*09/03/14 16:55*	*09/05/14 22:38*	*1*
Phenol-d5	*69*		*31 - 110*	*09/03/14 16:55*	*09/05/14 22:38*	*1*
Terphenyl-d14	*103*		*36 - 134*	*09/03/14 16:55*	*09/05/14 22:38*	*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		09/06/14 08:35	09/08/14 18:39	1
Barium	**0.23**	**J**	0.50	0.050	mg/L		09/06/14 08:35	09/08/14 18:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 08:35	09/08/14 18:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 08:35	09/08/14 18:39	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:39	1
Cobalt	**0.032**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:39	1
Copper	**0.053**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:39	1
Iron	**0.61**		0.20	0.20	mg/L		09/06/14 08:35	09/08/14 18:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 08:35	09/08/14 18:39	1
Manganese	**3.9**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:39	1
Nickel	**0.041**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:39	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 18:39	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:39	1
Zinc	**0.16**	**B**	0.10	0.020	mg/L		09/06/14 08:35	09/08/14 18:39	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 08:30	09/05/14 01:10	1
Barium	<0.50		0.50	0.050	mg/L		09/04/14 08:30	09/05/14 01:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/05/14 01:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/05/14 01:10	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:10	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:10	1
Copper	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:10	1
Iron	<0.20		0.20	0.20	mg/L		09/04/14 08:30	09/05/14 01:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:30	09/05/14 01:10	1
Manganese	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:10	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:10	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 01:10	1

Client Sample ID: VL-1(7-15)-082614
Date Collected: 08/26/14 12:25
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-16
Matrix: Solid

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 08:30	09/05/14 01:10	1
Zinc	**0.071**	**J B**	0.10	0.020	mg/L		09/04/14 08:30	09/05/14 01:10	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.99		0.99	0.40	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Arsenic	**5.8**		0.50	0.099	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Barium	**7.7**		0.50	0.053	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Beryllium	**0.16**	**J**	0.20	0.040	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Cadmium	**0.35**		0.099	0.013	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Calcium	**150000**	**B**	100	27	mg/Kg	☼	09/08/14 18:00	09/09/14 22:34	10
Chromium	**4.2**		0.50	0.058	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Cobalt	**2.7**		0.25	0.050	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Copper	**11**		0.50	0.099	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Iron	**11000**		100	41	mg/Kg	☼	09/08/14 18:00	09/09/14 22:34	10
Lead	**5.0**		0.25	0.074	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Magnesium	**82000**	**B**	50	10	mg/Kg	☼	09/08/14 18:00	09/09/14 22:34	10
Manganese	**300**		0.50	0.099	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Nickel	**6.0**		0.50	0.099	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Potassium	**1100**		25	1.5	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Selenium	<0.50		0.50	0.18	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Silver	<0.25		0.25	0.018	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Sodium	**310**		50	6.7	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Thallium	<0.50		0.50	0.21	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Vanadium	**5.9**	**B**	0.25	0.037	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	1
Zinc	**30**		0.99	0.20	mg/Kg	☼	09/04/14 09:40	09/05/14 05:07	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		09/08/14 12:00	09/09/14 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 13:09	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	<15		15	6.0	ug/Kg	☼	09/04/14 15:00	09/05/14 11:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.17**		0.200	0.200	SU			08/29/14 19:33	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
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.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside 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.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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: 500-83013-1

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)

Report To
Contact: S. Balasubramanian
Company: Weston
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax:
E-Mail:

(optional)

Bill To
Contact:
Company:
Address:
Address: Same
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-83013

Chain of Custody Number:

Page 2 of 4

Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT-085
Project Location/State: Channahon / IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total metals	TCLP/SPLP metals	PH					Comments
11		SS-3 (0-8)-082614	8-26-14	1000	2	S		X	X	X	X	X					
12		SS-3 (8-16)-082614		1015													
13		SS-1 (0-7)-082614		1130													
14		SS-1 (7-15)-082614		1135													
15		VL-1 (0-7)-082614		1220													
16		VL-1 (7-15)-082614		1225													
17		BP-1 (0-7)-082614		1250													
18		BP-1 (7-15)-082614		1255													
19		BP-1 (7-15)-082614D		1255													
20		BP-2 (0-7)-082614	8-26-14	1325	2	S		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 [X] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

	Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1	Timothy A. Walls	Weston	8-26-14	1600		TA	8-26-14	1600
2		TA	8-26-14	1650		TA	8/27/14	0630
3								

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:

Illinois Environmental Protection Agency

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, incldluding number and street):

24000 block of Eames Street (ISGS Site No. 693V-15)

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: 41.454953662 (Decimal Degrees) Longitude: -88.198032490 (-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

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

Latitude: 41.454953662 Longitude: -88.198032490

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 VL15-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 693V-15. SEE FIGURE 4-1 AND TABLE 3-1 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 4-1 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:

Date:

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

Summary Table of ISGS Site No. 693V-15
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	VL15-1 (0-5)-101215	VL15-1 (5-9)-101215	**Soil Reference Concentrations[A]**
Sample Date	10/12/2015	10/12/2015	
Location ID	VL15-1	VL15-1	
Depth	0 - 5	5 - 9	
Lab Sample ID	40122748012	40122748013	
Location Code	693V-15	693V-15	
Parameter			
Laboratory pH	8.84 J	8.68 J	<6.25, >9.0
VOCs (ug/kg)			
SVOCs (ug/kg)			
Benzo(a)anthracene	ND	30.4 J	900 / 1100 / 1800
Benzo(a)pyrene	ND	38.4 J	90 / 1300 / 2100
Dibenzo(a,h)anthracene	ND	ND	90 / 200 / 420
Total Metals (mg/kg)			
Antimony, Total	ND	0.65 J	5
Barium, Total	21.5	15.5	1500
Beryllium, Total	0.13	0.12	22
Cadmium, Total	0.21 J	0.26 J	5.2
Calcium, Total	128000	148000	---
Chromium, Total	5.1	5.7	21
Cobalt, Total	2.8	1.9	20
Copper, Total	6.2	8	2900
Iron, Total	6890	7330	15000 / 15900
Lead, Total	5.5	3.3	107
Magnesium, Total	67800	74200	325000
Manganese, Total	301	443	630 / 636
Mercury, Total	0.0069 J	0.0098 J	0.89
Nickel, Total	5.4	4.9	100
Potassium, Total	592 J	805 J	---
Selenium, Total	1.1 J	1.4 J	1.3
Silver, Total	ND	ND	4.4
Sodium, Total	422	297	---
Thallium, Total	ND	ND	2.6
Vanadium, Total	9.8	8.4	550
Zinc, Total	21.5	24.5	5100
TCLP Metals (mg/l)			
Barium, TCLP	0.3	0.21 J	2
Cadmium, TCLP	0.0012 J	0.0016 J	0.005
Chromium, TCLP	ND	ND	0.1
Cobalt, TCLP	0.013	0.0063 J	1
Copper, TCLP	ND	0.042	0.65
Iron, TCLP	ND	ND	5
Lead, TCLP	0.0022 J	0.0072 J	0.0075
Manganese, TCLP	2.2	1.6	0.15
Mercury, TCLP	ND	0.002	0.002
Nickel, TCLP	0.025	0.027	0.1
Selenium, TCLP	0.008 J	0.0093 J	0.05
Zinc, TCLP	0.066 J	0.13 J	5
SPLP Metals (mg/l)			
Arsenic, SPLP	ND	ND	0.05
Barium, SPLP	ND	ND	2
Cadmium, SPLP	ND	ND	0.005
Chromium, SPLP	ND	ND	0.1
Cobalt, SPLP	ND	ND	1
Copper, SPLP	ND	ND	0.65
Iron, SPLP	ND	ND	5
Lead, SPLP	ND	ND	0.0075
Manganese, SPLP	ND	ND	0.15
Mercury, SPLP	ND	ND	0.002
Nickel, SPLP	0.0013 J	0.0011 J	0.1
Selenium, SPLP	ND	ND	0.05
Zinc, SPLP	ND	ND	5

Summary Table of ISGS Site No. 693V-15
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.

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: VL15-1 (0-5)-101215 **Lab ID: 40122748012** Collected: 10/12/15 15:15 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 Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	**<0.56**	mg/kg	1.8	0.56	2	10/19/15 11:30	10/20/15 12:28	7440-36-0	D3
Arsenic	**4.0**	mg/kg	0.90	0.36	1	10/19/15 11:30	10/20/15 09:21	7440-38-2	
Barium	**21.5**	mg/kg	0.90	0.051	1	10/19/15 11:30	10/20/15 09:21	7440-39-3	
Beryllium	**0.13**	mg/kg	0.090	0.010	1	10/19/15 11:30	10/20/15 09:21	7440-41-7	
Cadmium	**0.21J**	mg/kg	0.45	0.021	1	10/19/15 11:30	10/20/15 09:21	7440-43-9	
Calcium	**128000**	mg/kg	18.0	2.0	2	10/19/15 11:30	10/20/15 12:28	7440-70-2	
Chromium	**5.1**	mg/kg	0.45	0.056	1	10/19/15 11:30	10/20/15 09:21	7440-47-3	
Cobalt	**2.8**	mg/kg	0.45	0.041	1	10/19/15 11:30	10/20/15 09:21	7440-48-4	
Copper	**6.2**	mg/kg	0.90	0.20	1	10/19/15 11:30	10/20/15 09:21	7440-50-8	
Iron	**6890**	mg/kg	4.5	0.40	1	10/19/15 11:30	10/20/15 09:21	7439-89-6	
Lead	**5.5**	mg/kg	0.90	0.18	1	10/19/15 11:30	10/20/15 09:21	7439-92-1	
Magnesium	**67800**	mg/kg	4.5	0.79	1	10/19/15 11:30	10/20/15 09:21	7439-95-4	
Manganese	**301**	mg/kg	0.45	0.061	1	10/19/15 11:30	10/20/15 09:21	7439-96-5	
Nickel	**5.4**	mg/kg	0.45	0.076	1	10/19/15 11:30	10/20/15 09:21	7440-02-0	
Potassium	**592**	mg/kg	225	22.5	5	10/19/15 11:30	10/20/15 14:16	7440-09-7	
Selenium	**1.1J**	mg/kg	2.7	0.81	2	10/19/15 11:30	10/20/15 12:28	7782-49-2	
Silver	**<0.093**	mg/kg	0.63	0.093	1	10/19/15 11:30	10/20/15 09:21	7440-22-4	
Sodium	**422**	mg/kg	45.0	1.4	1	10/19/15 11:30	10/20/15 09:21	7440-23-5	
Thallium	**<0.28**	mg/kg	1.8	0.28	1	10/19/15 11:30	10/20/15 09:21	7440-28-0	
Vanadium	**9.8**	mg/kg	0.90	0.096	1	10/19/15 11:30	10/20/15 09:21	7440-62-2	
Zinc	**21.5**	mg/kg	9.0	0.51	1	10/19/15 11:30	10/20/15 09:21	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	**<0.0045**	mg/L	0.010	0.0045	1	10/23/15 15:50	10/26/15 13:03	7440-38-2	
Barium	**0.0082J**	mg/L	0.10	0.00052	1	10/23/15 15:50	10/26/15 13:03	7440-39-3	B
Beryllium	**<0.00017**	mg/L	0.0010	0.00017	1	10/23/15 15:50	10/26/15 13:03	7440-41-7	
Cadmium	**<0.00056**	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 13:03	7440-43-9	
Chromium	**0.0023J**	mg/L	0.0050	0.00096	1	10/23/15 15:50	10/26/15 13:03	7440-47-3	B
Cobalt	**<0.00080**	mg/L	0.0050	0.00080	1	10/23/15 15:50	10/26/15 13:03	7440-48-4	
Copper	**0.0027J**	mg/L	0.010	0.00083	1	10/23/15 15:50	10/26/15 13:03	7440-50-8	B
Iron	**0.69**	mg/L	0.050	0.0090	1	10/23/15 15:50	10/26/15 13:03	7439-89-6	B
Lead	**<0.0019**	mg/L	0.0050	0.0019	1	10/23/15 15:50	10/26/15 13:03	7439-92-1	
Manganese	**0.0074**	mg/L	0.0050	0.0024	1	10/23/15 15:50	10/26/15 13:03	7439-96-5	B
Nickel	**0.0013J**	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 13:03	7440-02-0	B
Selenium	**<0.0058**	mg/L	0.015	0.0058	1	10/23/15 15:50	10/26/15 13:03	7782-49-2	
Silver	**<0.0011**	mg/L	0.0070	0.0011	1	10/23/15 15:50	10/26/15 13:03	7440-22-4	
Zinc	**0.0073J**	mg/L	0.050	0.0026	1	10/23/15 15:50	10/26/15 13:03	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	**0.0079J**	mg/L	0.050	0.0045	1	10/23/15 15:50	10/26/15 11:15	7440-38-2	B
Barium	**0.30**	mg/L	0.25	0.00052	1	10/23/15 15:50	10/26/15 11:15	7440-39-3	
Beryllium	**<0.00017**	mg/L	0.0050	0.00017	1	10/23/15 15:50	10/26/15 11:15	7440-41-7	
Cadmium	**0.0012J**	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 11:15	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
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(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: VL15-1 (0-5)-101215 **Lab ID: 40122748012** Collected: 10/12/15 15:15 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; 10/22/15 00:00								
Chromium	**0.0037J**	mg/L	0.010	0.00096	1	10/23/15 15:50	10/26/15 11:15	7440-47-3	B
Cobalt	**0.013**	mg/L	0.010	0.00080	1	10/23/15 15:50	10/26/15 11:15	7440-48-4	
Copper	**0.0095J**	mg/L	0.020	0.00083	1	10/23/15 15:50	10/26/15 11:15	7440-50-8	B
Iron	**0.036J**	mg/L	0.10	0.0090	1	10/23/15 15:50	10/26/15 11:15	7439-89-6	B
Lead	**0.0022J**	mg/L	0.050	0.0019	1	10/23/15 15:50	10/26/15 11:15	7439-92-1	
Manganese	**2.2**	mg/L	0.010	0.0024	1	10/23/15 15:50	10/26/15 11:15	7439-96-5	
Nickel	**0.025**	mg/L	0.010	0.00056	1	10/23/15 15:50	10/26/15 11:15	7440-02-0	B
Selenium	**0.0080J**	mg/L	0.050	0.0058	1	10/23/15 15:50	10/26/15 11:15	7782-49-2	
Silver	**<0.0011**	mg/L	0.010	0.0011	1	10/23/15 15:50	10/26/15 11:15	7440-22-4	
Zinc	**0.066J**	mg/L	0.25	0.0026	1	10/23/15 15:50	10/26/15 11:15	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 13:53	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 12:59	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0069J**	mg/kg	0.036	0.0018	1	10/19/15 10:00	10/19/15 14:36	7439-97-6	M1,R1
8270 MSSV FULL LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<61.8**	ug/kg	206	61.8	1	10/14/15 09:32	10/16/15 12:52	83-32-9	
Acenaphthylene	**<62.1**	ug/kg	207	62.1	1	10/14/15 09:32	10/16/15 12:52	208-96-8	
Anthracene	**<27.8**	ug/kg	92.8	27.8	1	10/14/15 09:32	10/16/15 12:52	120-12-7	
Benzo(a)anthracene	**<27.0**	ug/kg	89.9	27.0	1	10/14/15 09:32	10/16/15 12:52	56-55-3	
Benzo(a)pyrene	**<26.2**	ug/kg	87.4	26.2	1	10/14/15 09:32	10/16/15 12:52	50-32-8	
Benzo(b)fluoranthene	**<29.9**	ug/kg	99.8	29.9	1	10/14/15 09:32	10/16/15 12:52	205-99-2	
Benzo(g,h,i)perylene	**<45.6**	ug/kg	152	45.6	1	10/14/15 09:32	10/16/15 12:52	191-24-2	
Benzo(k)fluoranthene	**<41.7**	ug/kg	139	41.7	1	10/14/15 09:32	10/16/15 12:52	207-08-9	
4-Bromophenylphenyl ether	**<36.5**	ug/kg	122	36.5	1	10/14/15 09:32	10/16/15 12:52	101-55-3	
Butylbenzylphthalate	**<27.9**	ug/kg	93.1	27.9	1	10/14/15 09:32	10/16/15 12:52	85-68-7	
Carbazole	**<27.3**	ug/kg	90.9	27.3	1	10/14/15 09:32	10/16/15 12:52	86-74-8	
4-Chloro-3-methylphenol	**<54.2**	ug/kg	181	54.2	1	10/14/15 09:32	10/16/15 12:52	59-50-7	
4-Chloroaniline	**<28.6**	ug/kg	95.4	28.6	1	10/14/15 09:32	10/16/15 12:52	106-47-8	
bis(2-Chloroethoxy)methane	**<46.9**	ug/kg	156	46.9	1	10/14/15 09:32	10/16/15 12:52	111-91-1	
bis(2-Chloroethyl) ether	**<54.4**	ug/kg	181	54.4	1	10/14/15 09:32	10/16/15 12:52	111-44-4	
2-Chloronaphthalene	**<22.4**	ug/kg	74.5	22.4	1	10/14/15 09:32	10/16/15 12:52	91-58-7	
2-Chlorophenol	**<43.5**	ug/kg	145	43.5	1	10/14/15 09:32	10/16/15 12:52	95-57-8	
4-Chlorophenylphenyl ether	**<32.4**	ug/kg	108	32.4	1	10/14/15 09:32	10/16/15 12:52	7005-72-3	
Chrysene	**<26.0**	ug/kg	86.8	26.0	1	10/14/15 09:32	10/16/15 12:52	218-01-9	L2
Dibenz(a,h)anthracene	**<47.3**	ug/kg	158	47.3	1	10/14/15 09:32	10/16/15 12:52	53-70-3	
Dibenzofuran	**<21.1**	ug/kg	70.3	21.1	1	10/14/15 09:32	10/16/15 12:52	132-64-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
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(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: VL15-1 (0-5)-101215 **Lab ID: 40122748012** Collected: 10/12/15 15:15 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								
1,2-Dichlorobenzene	**<54.8**	ug/kg	183	54.8	1	10/14/15 09:32	10/16/15 12:52	95-50-1	
1,3-Dichlorobenzene	**<24.1**	ug/kg	80.4	24.1	1	10/14/15 09:32	10/16/15 12:52	541-73-1	
1,4-Dichlorobenzene	**<24.3**	ug/kg	80.9	24.3	1	10/14/15 09:32	10/16/15 12:52	106-46-7	
3,3'-Dichlorobenzidine	**<47.3**	ug/kg	158	47.3	1	10/14/15 09:32	10/16/15 12:52	91-94-1	
2,4-Dichlorophenol	**<46.5**	ug/kg	155	46.5	1	10/14/15 09:32	10/16/15 12:52	120-83-2	
Diethylphthalate	**<28.9**	ug/kg	96.3	28.9	1	10/14/15 09:32	10/16/15 12:52	84-66-2	
2,4-Dimethylphenol	**<34.4**	ug/kg	115	34.4	1	10/14/15 09:32	10/16/15 12:52	105-67-9	
Dimethylphthalate	**<22.7**	ug/kg	75.5	22.7	1	10/14/15 09:32	10/16/15 12:52	131-11-3	
Di-n-butylphthalate	**<26.0**	ug/kg	86.8	26.0	1	10/14/15 09:32	10/16/15 12:52	84-74-2	
4,6-Dinitro-2-methylphenol	**<53.7**	ug/kg	179	53.7	1	10/14/15 09:32	10/16/15 12:52	534-52-1	
2,4-Dinitrophenol	**<53.1**	ug/kg	177	53.1	1	10/14/15 09:32	10/16/15 12:52	51-28-5	
2,4-Dinitrotoluene	**<24.9**	ug/kg	83.0	24.9	1	10/14/15 09:32	10/16/15 12:52	121-14-2	
2,6-Dinitrotoluene	**<33.1**	ug/kg	110	33.1	1	10/14/15 09:32	10/16/15 12:52	606-20-2	
Di-n-octylphthalate	**<39.2**	ug/kg	131	39.2	1	10/14/15 09:32	10/16/15 12:52	117-84-0	
bis(2-Ethylhexyl)phthalate	**<29.0**	ug/kg	96.5	29.0	1	10/14/15 09:32	10/16/15 12:52	117-81-7	
Fluoranthene	**<24.6**	ug/kg	82.2	24.6	1	10/14/15 09:32	10/16/15 12:52	206-44-0	
Fluorene	**<20.4**	ug/kg	67.9	20.4	1	10/14/15 09:32	10/16/15 12:52	86-73-7	
Hexachloro-1,3-butadiene	**<44.4**	ug/kg	148	44.4	1	10/14/15 09:32	10/16/15 12:52	87-68-3	
Hexachlorobenzene	**<29.3**	ug/kg	97.7	29.3	1	10/14/15 09:32	10/16/15 12:52	118-74-1	
Hexachlorocyclopentadiene	**<41.2**	ug/kg	137	41.2	1	10/14/15 09:32	10/16/15 12:52	77-47-4	
Hexachloroethane	**<27.9**	ug/kg	92.9	27.9	1	10/14/15 09:32	10/16/15 12:52	67-72-1	
Indeno(1,2,3-cd)pyrene	**<37.7**	ug/kg	126	37.7	1	10/14/15 09:32	10/16/15 12:52	193-39-5	
Isophorone	**<26.8**	ug/kg	89.3	26.8	1	10/14/15 09:32	10/16/15 12:52	78-59-1	
2-Methylnaphthalene	**<45.2**	ug/kg	151	45.2	1	10/14/15 09:32	10/16/15 12:52	91-57-6	
2-Methylphenol(o-Cresol)	**<31.6**	ug/kg	105	31.6	1	10/14/15 09:32	10/16/15 12:52	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<31.9**	ug/kg	106	31.9	1	10/14/15 09:32	10/16/15 12:52		
Naphthalene	**<60.9**	ug/kg	203	60.9	1	10/14/15 09:32	10/16/15 12:52	91-20-3	
2-Nitroaniline	**<49.6**	ug/kg	165	49.6	1	10/14/15 09:32	10/16/15 12:52	88-74-4	
3-Nitroaniline	**<29.6**	ug/kg	98.7	29.6	1	10/14/15 09:32	10/16/15 12:52	99-09-2	
4-Nitroaniline	**<72.3**	ug/kg	241	72.3	1	10/14/15 09:32	10/16/15 12:52	100-01-6	
Nitrobenzene	**<35.3**	ug/kg	118	35.3	1	10/14/15 09:32	10/16/15 12:52	98-95-3	
2-Nitrophenol	**<55.0**	ug/kg	183	55.0	1	10/14/15 09:32	10/16/15 12:52	88-75-5	
4-Nitrophenol	**<43.9**	ug/kg	146	43.9	1	10/14/15 09:32	10/16/15 12:52	100-02-7	
N-Nitroso-di-n-propylamine	**<27.6**	ug/kg	92.1	27.6	1	10/14/15 09:32	10/16/15 12:52	621-64-7	
N-Nitrosodiphenylamine	**<236**	ug/kg	788	236	1	10/14/15 09:32	10/16/15 12:52	86-30-6	
2,2'-Oxybis(1-chloropropane)	**<44.9**	ug/kg	150	44.9	1	10/14/15 09:32	10/16/15 12:52	108-60-1	
Pentachlorophenol	**<38.4**	ug/kg	128	38.4	1	10/14/15 09:32	10/16/15 12:52	87-86-5	
Phenanthrene	**<22.3**	ug/kg	74.5	22.3	1	10/14/15 09:32	10/16/15 12:52	85-01-8	
Phenol	**<41.3**	ug/kg	138	41.3	1	10/14/15 09:32	10/16/15 12:52	108-95-2	
Pyrene	**<38.6**	ug/kg	129	38.6	1	10/14/15 09:32	10/16/15 12:52	129-00-0	
1,2,4-Trichlorobenzene	**<19.7**	ug/kg	65.6	19.7	1	10/14/15 09:32	10/16/15 12:52	120-82-1	
2,4,5-Trichlorophenol	**<30.8**	ug/kg	103	30.8	1	10/14/15 09:32	10/16/15 12:52	95-95-4	
2,4,6-Trichlorophenol	**<26.6**	ug/kg	88.5	26.6	1	10/14/15 09:32	10/16/15 12:52	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	68	%	45-130		1	10/14/15 09:32	10/16/15 12:52	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: VL15-1 (0-5)-101215 **Lab ID: 40122748012** Collected: 10/12/15 15:15 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									
2-Fluorobiphenyl (S)	78	%	51-130		1	10/14/15 09:32	10/16/15 12:52	321-60-8	
Terphenyl-d14 (S)	87	%	37-134		1	10/14/15 09:32	10/16/15 12:52	1718-51-0	
Phenol-d6 (S)	75	%	36-130		1	10/14/15 09:32	10/16/15 12:52	13127-88-3	
2-Fluorophenol (S)	67	%	37-130		1	10/14/15 09:32	10/16/15 12:52	367-12-4	
2,4,6-Tribromophenol (S)	70	%	30-130		1	10/14/15 09:32	10/16/15 12:52	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	10/15/15 12:00	10/15/15 08:03	67-64-1	2q
Benzene	**<1.0**	ug/kg	3.1	1.0	1	10/15/15 12:00	10/15/15 08:03	71-43-2	
Bromodichloromethane	**<0.69**	ug/kg	3.1	0.69	1	10/15/15 12:00	10/15/15 08:03	75-27-4	
Bromoform	**<0.53**	ug/kg	3.1	0.53	1	10/15/15 12:00	10/15/15 08:03	75-25-2	
Bromomethane	**<0.94**	ug/kg	6.3	0.94	1	10/15/15 12:00	10/15/15 08:03	74-83-9	
2-Butanone (MEK)	**<1.8**	ug/kg	12.6	1.8	1	10/15/15 12:00	10/15/15 08:03	78-93-3	
Carbon disulfide	**<0.81**	ug/kg	3.1	0.81	1	10/15/15 12:00	10/15/15 08:03	75-15-0	
Carbon tetrachloride	**<1.0**	ug/kg	3.1	1.0	1	10/15/15 12:00	10/15/15 08:03	56-23-5	
Chlorobenzene	**<1.0**	ug/kg	3.1	1.0	1	10/15/15 12:00	10/15/15 08:03	108-90-7	
Chloroethane	**<1.3**	ug/kg	3.1	1.3	1	10/15/15 12:00	10/15/15 08:03	75-00-3	
Chloroform	**<0.60**	ug/kg	3.1	0.60	1	10/15/15 12:00	10/15/15 08:03	67-66-3	
Chloromethane	**<0.35**	ug/kg	3.1	0.35	1	10/15/15 12:00	10/15/15 08:03	74-87-3	
Dibromochloromethane	**<1.1**	ug/kg	3.1	1.1	1	10/15/15 12:00	10/15/15 08:03	124-48-1	
1,1-Dichloroethane	**<1.5**	ug/kg	3.1	1.5	1	10/15/15 12:00	10/15/15 08:03	75-34-3	
1,2-Dichloroethane	**<0.62**	ug/kg	3.1	0.62	1	10/15/15 12:00	10/15/15 08:03	107-06-2	
1,1-Dichloroethene	**<1.4**	ug/kg	3.1	1.4	1	10/15/15 12:00	10/15/15 08:03	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/kg	3.1	0.83	1	10/15/15 12:00	10/15/15 08:03	156-59-2	
trans-1,2-Dichloroethene	**<0.78**	ug/kg	3.1	0.78	1	10/15/15 12:00	10/15/15 08:03	156-60-5	
1,2-Dichloropropane	**<0.79**	ug/kg	3.1	0.79	1	10/15/15 12:00	10/15/15 08:03	78-87-5	
cis-1,3-Dichloropropene	**<0.42**	ug/kg	3.1	0.42	1	10/15/15 12:00	10/15/15 08:03	10061-01-5	
trans-1,3-Dichloropropene	**<0.58**	ug/kg	3.1	0.58	1	10/15/15 12:00	10/15/15 08:03	10061-02-6	
Ethylbenzene	**<0.91**	ug/kg	3.1	0.91	1	10/15/15 12:00	10/15/15 08:03	100-41-4	
2-Hexanone	**<0.93**	ug/kg	3.1	0.93	1	10/15/15 12:00	10/15/15 08:03	591-78-6	
Methylene Chloride	**<1.2**	ug/kg	3.1	1.2	1	10/15/15 12:00	10/15/15 08:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.77**	ug/kg	3.1	0.77	1	10/15/15 12:00	10/15/15 08:03	108-10-1	
Methyl-tert-butyl ether	**<0.63**	ug/kg	3.1	0.63	1	10/15/15 12:00	10/15/15 08:03	1634-04-4	
Styrene	**<0.48**	ug/kg	3.1	0.48	1	10/15/15 12:00	10/15/15 08:03	100-42-5	
1,1,2,2-Tetrachloroethane	**<1.3**	ug/kg	3.1	1.3	1	10/15/15 12:00	10/15/15 08:03	79-34-5	
Tetrachloroethene	**<0.99**	ug/kg	3.1	0.99	1	10/15/15 12:00	10/15/15 08:03	127-18-4	
Toluene	**<0.94**	ug/kg	3.1	0.94	1	10/15/15 12:00	10/15/15 08:03	108-88-3	
1,1,1-Trichloroethane	**<0.97**	ug/kg	3.1	0.97	1	10/15/15 12:00	10/15/15 08:03	71-55-6	
1,1,2-Trichloroethane	**<1.2**	ug/kg	3.1	1.2	1	10/15/15 12:00	10/15/15 08:03	79-00-5	
Trichloroethene	**<1.2**	ug/kg	3.1	1.2	1	10/15/15 12:00	10/15/15 08:03	79-01-6	
Vinyl chloride	**<0.34**	ug/kg	3.1	0.34	1	10/15/15 12:00	10/15/15 08:03	75-01-4	
Xylene (Total)	**<2.8**	ug/kg	9.4	2.8	1	10/15/15 12:00	10/15/15 08:03	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	108	%	70-130		1	10/15/15 12:00	10/15/15 08:03	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: VL15-1 (0-5)-101215 **Lab ID: 40122748012** Collected: 10/12/15 15:15 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
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 08:03	2037-26-5	
4-Bromofluorobenzene (S)	92	%	68-130		1	10/15/15 12:00	10/15/15 08:03	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.2**	%	0.10	0.10	1		10/13/15 16:21		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.84**	Std. Units	0.100	0.0100	1		10/14/15 20:00		H6

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: VL15-1 (5-9)-101215 **Lab ID: 40122748013** 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 Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	**0.65J**	mg/kg	1.7	0.52	2	10/19/15 11:30	10/20/15 12:32	7440-36-0	
Arsenic	**3.4**	mg/kg	0.84	0.33	1	10/19/15 11:30	10/20/15 09:24	7440-38-2	
Barium	**15.5**	mg/kg	0.84	0.048	1	10/19/15 11:30	10/20/15 09:24	7440-39-3	
Beryllium	**0.12**	mg/kg	0.084	0.0097	1	10/19/15 11:30	10/20/15 09:24	7440-41-7	
Cadmium	**0.26J**	mg/kg	0.42	0.020	1	10/19/15 11:30	10/20/15 09:24	7440-43-9	
Calcium	**148000**	mg/kg	16.8	1.8	2	10/19/15 11:30	10/20/15 12:32	7440-70-2	
Chromium	**5.7**	mg/kg	0.42	0.052	1	10/19/15 11:30	10/20/15 09:24	7440-47-3	
Cobalt	**1.9**	mg/kg	0.42	0.038	1	10/19/15 11:30	10/20/15 09:24	7440-48-4	
Copper	**8.0**	mg/kg	0.84	0.19	1	10/19/15 11:30	10/20/15 09:24	7440-50-8	
Iron	**7330**	mg/kg	4.2	0.38	1	10/19/15 11:30	10/20/15 09:24	7439-89-6	
Lead	**3.3**	mg/kg	0.84	0.17	1	10/19/15 11:30	10/20/15 09:24	7439-92-1	
Magnesium	**74200**	mg/kg	4.2	0.74	1	10/19/15 11:30	10/20/15 09:24	7439-95-4	
Manganese	**443**	mg/kg	0.42	0.057	1	10/19/15 11:30	10/20/15 09:24	7439-96-5	
Nickel	**4.9**	mg/kg	0.42	0.071	1	10/19/15 11:30	10/20/15 09:24	7440-02-0	
Potassium	**805**	mg/kg	210	21.1	5	10/19/15 11:30	10/20/15 14:20	7440-09-7	
Selenium	**1.4J**	mg/kg	2.5	0.76	2	10/19/15 11:30	10/20/15 12:32	7782-49-2	
Silver	**<0.087**	mg/kg	0.59	0.087	1	10/19/15 11:30	10/20/15 09:24	7440-22-4	
Sodium	**297**	mg/kg	42.0	1.3	1	10/19/15 11:30	10/20/15 09:24	7440-23-5	
Thallium	**<0.26**	mg/kg	1.7	0.26	1	10/19/15 11:30	10/20/15 09:24	7440-28-0	
Vanadium	**8.4**	mg/kg	0.84	0.090	1	10/19/15 11:30	10/20/15 09:24	7440-62-2	
Zinc	**24.5**	mg/kg	8.4	0.48	1	10/19/15 11:30	10/20/15 09:24	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	**<0.0045**	mg/L	0.010	0.0045	1	10/23/15 15:50	10/26/15 13:06	7440-38-2	
Barium	**0.0025J**	mg/L	0.10	0.00052	1	10/23/15 15:50	10/26/15 13:06	7440-39-3	B
Beryllium	**<0.00017**	mg/L	0.0010	0.00017	1	10/23/15 15:50	10/26/15 13:06	7440-41-7	
Cadmium	**<0.00056**	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 13:06	7440-43-9	
Chromium	**0.0024J**	mg/L	0.0050	0.00096	1	10/23/15 15:50	10/26/15 13:06	7440-47-3	B
Cobalt	**<0.00080**	mg/L	0.0050	0.00080	1	10/23/15 15:50	10/26/15 13:06	7440-48-4	
Copper	**0.0037J**	mg/L	0.010	0.00083	1	10/23/15 15:50	10/26/15 13:06	7440-50-8	B
Iron	**0.066**	mg/L	0.050	0.0090	1	10/23/15 15:50	10/26/15 13:06	7439-89-6	B
Lead	**<0.0019**	mg/L	0.0050	0.0019	1	10/23/15 15:50	10/26/15 13:06	7439-92-1	
Manganese	**0.0027J**	mg/L	0.0050	0.0024	1	10/23/15 15:50	10/26/15 13:06	7439-96-5	B
Nickel	**0.0011J**	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 13:06	7440-02-0	B
Selenium	**<0.0058**	mg/L	0.015	0.0058	1	10/23/15 15:50	10/26/15 13:06	7782-49-2	
Silver	**<0.0011**	mg/L	0.0070	0.0011	1	10/23/15 15:50	10/26/15 13:06	7440-22-4	
Zinc	**<0.0026**	mg/L	0.050	0.0026	1	10/23/15 15:50	10/26/15 13:06	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 11:25	7440-38-2	B
Barium	**0.21J**	mg/L	0.25	0.00052	1	10/23/15 15:50	10/26/15 11:25	7440-39-3	
Beryllium	**<0.00017**	mg/L	0.0050	0.00017	1	10/23/15 15:50	10/26/15 11:25	7440-41-7	
Cadmium	**0.0016J**	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 11:25	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: VL15-1 (5-9)-101215 **Lab ID: 40122748013** 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; 10/22/15 00:00								
Chromium	**0.0049J**	mg/L	0.010	0.00096	1	10/23/15 15:50	10/26/15 11:25	7440-47-3	B
Cobalt	**0.0063J**	mg/L	0.010	0.00080	1	10/23/15 15:50	10/26/15 11:25	7440-48-4	
Copper	**0.042**	mg/L	0.020	0.00083	1	10/23/15 15:50	10/26/15 11:25	7440-50-8	B
Iron	**0.037J**	mg/L	0.10	0.0090	1	10/23/15 15:50	10/26/15 11:25	7439-89-6	B
Lead	**0.0072J**	mg/L	0.050	0.0019	1	10/23/15 15:50	10/26/15 11:25	7439-92-1	
Manganese	**1.6**	mg/L	0.010	0.0024	1	10/23/15 15:50	10/26/15 11:25	7439-96-5	
Nickel	**0.027**	mg/L	0.010	0.00056	1	10/23/15 15:50	10/26/15 11:25	7440-02-0	B
Selenium	**0.0093J**	mg/L	0.050	0.0058	1	10/23/15 15:50	10/26/15 11:25	7782-49-2	
Silver	**<0.0011**	mg/L	0.010	0.0011	1	10/23/15 15:50	10/26/15 11:25	7440-22-4	
Zinc	**0.13J**	mg/L	0.25	0.0026	1	10/23/15 15:50	10/26/15 11:25	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 13:59	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	**0.0020**	mg/L	0.00067	0.00033	1	10/26/15 08:45	10/26/15 13:06	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0098J**	mg/kg	0.032	0.0017	1	10/19/15 10:00	10/19/15 14:43	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	10/14/15 09:32	10/16/15 13:25	83-32-9	
Acenaphthylene	**<62.1**	ug/kg	207	62.1	1	10/14/15 09:32	10/16/15 13:25	208-96-8	
Anthracene	**<27.8**	ug/kg	92.7	27.8	1	10/14/15 09:32	10/16/15 13:25	120-12-7	
Benzo(a)anthracene	**30.4J**	ug/kg	89.8	27.0	1	10/14/15 09:32	10/16/15 13:25	56-55-3	
Benzo(a)pyrene	**38.4J**	ug/kg	87.3	26.2	1	10/14/15 09:32	10/16/15 13:25	50-32-8	
Benzo(b)fluoranthene	**41.6J**	ug/kg	99.7	29.9	1	10/14/15 09:32	10/16/15 13:25	205-99-2	
Benzo(g,h,i)perylene	**<45.5**	ug/kg	152	45.5	1	10/14/15 09:32	10/16/15 13:25	191-24-2	
Benzo(k)fluoranthene	**42.1J**	ug/kg	139	41.7	1	10/14/15 09:32	10/16/15 13:25	207-08-9	
4-Bromophenylphenyl ether	**<36.4**	ug/kg	121	36.4	1	10/14/15 09:32	10/16/15 13:25	101-55-3	
Butylbenzylphthalate	**<27.9**	ug/kg	93.0	27.9	1	10/14/15 09:32	10/16/15 13:25	85-68-7	
Carbazole	**<27.2**	ug/kg	90.8	27.2	1	10/14/15 09:32	10/16/15 13:25	86-74-8	
4-Chloro-3-methylphenol	**<54.2**	ug/kg	180	54.2	1	10/14/15 09:32	10/16/15 13:25	59-50-7	
4-Chloroaniline	**<28.6**	ug/kg	95.3	28.6	1	10/14/15 09:32	10/16/15 13:25	106-47-8	
bis(2-Chloroethoxy)methane	**<46.9**	ug/kg	156	46.9	1	10/14/15 09:32	10/16/15 13:25	111-91-1	
bis(2-Chloroethyl) ether	**<54.3**	ug/kg	181	54.3	1	10/14/15 09:32	10/16/15 13:25	111-44-4	
2-Chloronaphthalene	**<22.3**	ug/kg	74.5	22.3	1	10/14/15 09:32	10/16/15 13:25	91-58-7	
2-Chlorophenol	**<43.4**	ug/kg	145	43.4	1	10/14/15 09:32	10/16/15 13:25	95-57-8	
4-Chlorophenylphenyl ether	**<32.4**	ug/kg	108	32.4	1	10/14/15 09:32	10/16/15 13:25	7005-72-3	
Chrysene	**49.5J**	ug/kg	86.7	26.0	1	10/14/15 09:32	10/16/15 13:25	218-01-9	L2
Dibenz(a,h)anthracene	**<47.3**	ug/kg	158	47.3	1	10/14/15 09:32	10/16/15 13:25	53-70-3	
Dibenzofuran	**<21.1**	ug/kg	70.2	21.1	1	10/14/15 09:32	10/16/15 13:25	132-64-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: VL15-1 (5-9)-101215 **Lab ID: 40122748013** 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								
1,2-Dichlorobenzene	**<54.7**	ug/kg	182	54.7	1	10/14/15 09:32	10/16/15 13:25	95-50-1	
1,3-Dichlorobenzene	**<24.1**	ug/kg	80.3	24.1	1	10/14/15 09:32	10/16/15 13:25	541-73-1	
1,4-Dichlorobenzene	**<24.2**	ug/kg	80.8	24.2	1	10/14/15 09:32	10/16/15 13:25	106-46-7	
3,3'-Dichlorobenzidine	**<47.2**	ug/kg	157	47.2	1	10/14/15 09:32	10/16/15 13:25	91-94-1	
2,4-Dichlorophenol	**<46.5**	ug/kg	155	46.5	1	10/14/15 09:32	10/16/15 13:25	120-83-2	
Diethylphthalate	**<28.9**	ug/kg	96.2	28.9	1	10/14/15 09:32	10/16/15 13:25	84-66-2	
2,4-Dimethylphenol	**<34.4**	ug/kg	115	34.4	1	10/14/15 09:32	10/16/15 13:25	105-67-9	
Dimethylphthalate	**<22.6**	ug/kg	75.5	22.6	1	10/14/15 09:32	10/16/15 13:25	131-11-3	
Di-n-butylphthalate	**<26.0**	ug/kg	86.7	26.0	1	10/14/15 09:32	10/16/15 13:25	84-74-2	
4,6-Dinitro-2-methylphenol	**<53.6**	ug/kg	179	53.6	1	10/14/15 09:32	10/16/15 13:25	534-52-1	
2,4-Dinitrophenol	**<53.0**	ug/kg	177	53.0	1	10/14/15 09:32	10/16/15 13:25	51-28-5	
2,4-Dinitrotoluene	**<24.9**	ug/kg	83.0	24.9	1	10/14/15 09:32	10/16/15 13:25	121-14-2	
2,6-Dinitrotoluene	**<33.0**	ug/kg	110	33.0	1	10/14/15 09:32	10/16/15 13:25	606-20-2	
Di-n-octylphthalate	**<39.1**	ug/kg	130	39.1	1	10/14/15 09:32	10/16/15 13:25	117-84-0	
bis(2-Ethylhexyl)phthalate	**<28.9**	ug/kg	96.5	28.9	1	10/14/15 09:32	10/16/15 13:25	117-81-7	
Fluoranthene	**67.1J**	ug/kg	82.1	24.6	1	10/14/15 09:32	10/16/15 13:25	206-44-0	
Fluorene	**<20.3**	ug/kg	67.8	20.3	1	10/14/15 09:32	10/16/15 13:25	86-73-7	
Hexachloro-1,3-butadiene	**<44.3**	ug/kg	148	44.3	1	10/14/15 09:32	10/16/15 13:25	87-68-3	
Hexachlorobenzene	**<29.3**	ug/kg	97.6	29.3	1	10/14/15 09:32	10/16/15 13:25	118-74-1	
Hexachlorocyclopentadiene	**<41.2**	ug/kg	137	41.2	1	10/14/15 09:32	10/16/15 13:25	77-47-4	
Hexachloroethane	**<27.9**	ug/kg	92.8	27.9	1	10/14/15 09:32	10/16/15 13:25	67-72-1	
Indeno(1,2,3-cd)pyrene	**38.7J**	ug/kg	126	37.7	1	10/14/15 09:32	10/16/15 13:25	193-39-5	
Isophorone	**<26.8**	ug/kg	89.2	26.8	1	10/14/15 09:32	10/16/15 13:25	78-59-1	
2-Methylnaphthalene	**<45.2**	ug/kg	151	45.2	1	10/14/15 09:32	10/16/15 13:25	91-57-6	
2-Methylphenol(o-Cresol)	**<31.6**	ug/kg	105	31.6	1	10/14/15 09:32	10/16/15 13:25	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<31.9**	ug/kg	106	31.9	1	10/14/15 09:32	10/16/15 13:25		
Naphthalene	**<60.9**	ug/kg	203	60.9	1	10/14/15 09:32	10/16/15 13:25	91-20-3	
2-Nitroaniline	**<49.6**	ug/kg	165	49.6	1	10/14/15 09:32	10/16/15 13:25	88-74-4	
3-Nitroaniline	**<29.6**	ug/kg	98.7	29.6	1	10/14/15 09:32	10/16/15 13:25	99-09-2	
4-Nitroaniline	**<72.2**	ug/kg	241	72.2	1	10/14/15 09:32	10/16/15 13:25	100-01-6	
Nitrobenzene	**<35.3**	ug/kg	118	35.3	1	10/14/15 09:32	10/16/15 13:25	98-95-3	
2-Nitrophenol	**<54.9**	ug/kg	183	54.9	1	10/14/15 09:32	10/16/15 13:25	88-75-5	
4-Nitrophenol	**<43.8**	ug/kg	146	43.8	1	10/14/15 09:32	10/16/15 13:25	100-02-7	
N-Nitroso-di-n-propylamine	**<27.6**	ug/kg	92.0	27.6	1	10/14/15 09:32	10/16/15 13:25	621-64-7	
N-Nitrosodiphenylamine	**<236**	ug/kg	787	236	1	10/14/15 09:32	10/16/15 13:25	86-30-6	
2,2'-Oxybis(1-chloropropane)	**<44.9**	ug/kg	150	44.9	1	10/14/15 09:32	10/16/15 13:25	108-60-1	
Pentachlorophenol	**<38.3**	ug/kg	128	38.3	1	10/14/15 09:32	10/16/15 13:25	87-86-5	
Phenanthrene	**28.9J**	ug/kg	74.4	22.3	1	10/14/15 09:32	10/16/15 13:25	85-01-8	
Phenol	**<41.3**	ug/kg	138	41.3	1	10/14/15 09:32	10/16/15 13:25	108-95-2	
Pyrene	**58.7J**	ug/kg	129	38.6	1	10/14/15 09:32	10/16/15 13:25	129-00-0	
1,2,4-Trichlorobenzene	**<19.7**	ug/kg	65.6	19.7	1	10/14/15 09:32	10/16/15 13:25	120-82-1	
2,4,5-Trichlorophenol	**<30.7**	ug/kg	102	30.7	1	10/14/15 09:32	10/16/15 13:25	95-95-4	
2,4,6-Trichlorophenol	**<26.5**	ug/kg	88.4	26.5	1	10/14/15 09:32	10/16/15 13:25	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	51	%	45-130		1	10/14/15 09:32	10/16/15 13:25	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: VL15-1 (5-9)-101215 **Lab ID: 40122748013** 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									
2-Fluorobiphenyl (S)	68	%	51-130		1	10/14/15 09:32	10/16/15 13:25	321-60-8	
Terphenyl-d14 (S)	74	%	37-134		1	10/14/15 09:32	10/16/15 13:25	1718-51-0	
Phenol-d6 (S)	60	%	36-130		1	10/14/15 09:32	10/16/15 13:25	13127-88-3	
2-Fluorophenol (S)	53	%	37-130		1	10/14/15 09:32	10/16/15 13:25	367-12-4	
2,4,6-Tribromophenol (S)	61	%	30-130		1	10/14/15 09:32	10/16/15 13:25	118-79-6	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Acetone	**8.3J**	ug/kg	15.5	4.8	1	10/15/15 12:00	10/15/15 08:26	67-64-1	1q
Benzene	**<1.2**	ug/kg	3.9	1.2	1	10/15/15 12:00	10/15/15 08:26	71-43-2	
Bromodichloromethane	**<0.85**	ug/kg	3.9	0.85	1	10/15/15 12:00	10/15/15 08:26	75-27-4	
Bromoform	**<0.66**	ug/kg	3.9	0.66	1	10/15/15 12:00	10/15/15 08:26	75-25-2	
Bromomethane	**<1.2**	ug/kg	7.7	1.2	1	10/15/15 12:00	10/15/15 08:26	74-83-9	
2-Butanone (MEK)	**<2.2**	ug/kg	15.5	2.2	1	10/15/15 12:00	10/15/15 08:26	78-93-3	
Carbon disulfide	**<1.0**	ug/kg	3.9	1.0	1	10/15/15 12:00	10/15/15 08:26	75-15-0	
Carbon tetrachloride	**<1.2**	ug/kg	3.9	1.2	1	10/15/15 12:00	10/15/15 08:26	56-23-5	
Chlorobenzene	**<1.2**	ug/kg	3.9	1.2	1	10/15/15 12:00	10/15/15 08:26	108-90-7	
Chloroethane	**<1.6**	ug/kg	3.9	1.6	1	10/15/15 12:00	10/15/15 08:26	75-00-3	
Chloroform	**<0.73**	ug/kg	3.9	0.73	1	10/15/15 12:00	10/15/15 08:26	67-66-3	
Chloromethane	**<0.44**	ug/kg	3.9	0.44	1	10/15/15 12:00	10/15/15 08:26	74-87-3	
Dibromochloromethane	**<1.3**	ug/kg	3.9	1.3	1	10/15/15 12:00	10/15/15 08:26	124-48-1	
1,1-Dichloroethane	**<1.8**	ug/kg	3.9	1.8	1	10/15/15 12:00	10/15/15 08:26	75-34-3	
1,2-Dichloroethane	**<0.76**	ug/kg	3.9	0.76	1	10/15/15 12:00	10/15/15 08:26	107-06-2	
1,1-Dichloroethene	**<1.8**	ug/kg	3.9	1.8	1	10/15/15 12:00	10/15/15 08:26	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/kg	3.9	1.0	1	10/15/15 12:00	10/15/15 08:26	156-59-2	
trans-1,2-Dichloroethene	**<0.96**	ug/kg	3.9	0.96	1	10/15/15 12:00	10/15/15 08:26	156-60-5	
1,2-Dichloropropane	**<0.98**	ug/kg	3.9	0.98	1	10/15/15 12:00	10/15/15 08:26	78-87-5	
cis-1,3-Dichloropropene	**<0.52**	ug/kg	3.9	0.52	1	10/15/15 12:00	10/15/15 08:26	10061-01-5	
trans-1,3-Dichloropropene	**<0.72**	ug/kg	3.9	0.72	1	10/15/15 12:00	10/15/15 08:26	10061-02-6	
Ethylbenzene	**<1.1**	ug/kg	3.9	1.1	1	10/15/15 12:00	10/15/15 08:26	100-41-4	
2-Hexanone	**<1.1**	ug/kg	3.9	1.1	1	10/15/15 12:00	10/15/15 08:26	591-78-6	
Methylene Chloride	**<1.4**	ug/kg	3.9	1.4	1	10/15/15 12:00	10/15/15 08:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.95**	ug/kg	3.9	0.95	1	10/15/15 12:00	10/15/15 08:26	108-10-1	
Methyl-tert-butyl ether	**<0.78**	ug/kg	3.9	0.78	1	10/15/15 12:00	10/15/15 08:26	1634-04-4	
Styrene	**<0.59**	ug/kg	3.9	0.59	1	10/15/15 12:00	10/15/15 08:26	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 08:26	79-34-5	
Tetrachloroethene	**<1.2**	ug/kg	3.9	1.2	1	10/15/15 12:00	10/15/15 08:26	127-18-4	
Toluene	**<1.2**	ug/kg	3.9	1.2	1	10/15/15 12:00	10/15/15 08:26	108-88-3	
1,1,1-Trichloroethane	**<1.2**	ug/kg	3.9	1.2	1	10/15/15 12:00	10/15/15 08:26	71-55-6	
1,1,2-Trichloroethane	**<1.5**	ug/kg	3.9	1.5	1	10/15/15 12:00	10/15/15 08:26	79-00-5	
Trichloroethene	**<1.5**	ug/kg	3.9	1.5	1	10/15/15 12:00	10/15/15 08:26	79-01-6	
Vinyl chloride	**<0.42**	ug/kg	3.9	0.42	1	10/15/15 12:00	10/15/15 08:26	75-01-4	
Xylene (Total)	**<3.5**	ug/kg	11.6	3.5	1	10/15/15 12:00	10/15/15 08:26	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	99	%	70-130		1	10/15/15 12:00	10/15/15 08:26	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: VL15-1 (5-9)-101215 **Lab ID: 40122748013** 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
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 08:26	2037-26-5	
4-Bromofluorobenzene (S)	93	%	68-130		1	10/15/15 12:00	10/15/15 08:26	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.1**	%	0.10	0.10	1		10/13/15 16:21		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.68**	Std. Units	0.100	0.0100	1		10/14/15 20:00		H6

REPORT OF LABORATORY ANALYSIS

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

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

40122748

SKW

(Please Print Clearly)	
Company Name:	EDI
Branch/Location:	
Project Contact:	Patricia/Colin
Phone:	312 345 1400
Project Number:	0295.020
Project Name:	FAI 55
Project State:	IL
Sampled By (Print):	Colin Purrington
Sampled By (Sign):	
PO #:	Regulatory Program:

*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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOCs	SVOCs	Total Metals	TCLP metals	SPLP metals	pH	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	SR-16 (0-7) - 101215	10/12/15	1025	SO1										3-40ml vEEF 3-4oz A	
002	SR-16 (7-15) - 101215		1050												
003	SR-16 (15-23) - 101215		1015												
004	SR-15 (0-8) - 101215		1215												
005	SR-15 (8-16) - 101215		1235												
006	SR-15 (16-24) - 101215		1245												
007	VL3-4 (0-2) - 101215		1310												
008	VL3-3 (0-4) - 101215		1330												
009	VL3-2 (0-4) - 101215		1350												
010	VL3-1 (0-6) - 101215		1430												
011	VL3-1 (6-12) - 101215		1450												
012	VL15-1 (0-5) - 101215		1515												
013	VL15-1 (5-9) - 101215		1530												

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:	Received By:	Date/Time:
	10/12/15 1535	Brian Kingsmill	10/12/15 1535
Brian Kingsmill	10/12/15 1700	CS Logistics	10/12/15
CS Logistics	10/13/15 0750	Anna Pace	10/13/15 0750

PACE Project No.: 40122748

Receipt Temp = 20.5 0.0 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal: Present / Not Present; Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Illinois Environmental Protection Agency

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):

24061 Eames Street (ISGS Site No. 693V-16)

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: 41.455203771 (Decimal Degrees) Longitude: -88.197125306 (-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: 41.455203771 Longitude: -88.197125306

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 BP16-1, BP-1, AND BP16-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 693V-16. 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: 40122963
TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-83013-1
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:

Date:

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

Summary Table of ISGS Site No. 693V-16
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	BP16-1 (0-5)-101515	BP16-1 (0-5)-101515D	BP16-1 (5-9)-101515	BP16-2 (0-5)-101515	BP16-2 (5-10)-101515	BP-1(0-7)-082614	BP-1(7-15)-082614	BP-1(7-15)-082614D	Soil Reference Concentrations[A]
Sample Date	10/15/2015	10/15/2015	10/15/2015	10/15/2015	10/15/2015	8/26/2014	8/26/2014	8/26/2014	
Location ID	BP16-1	BP16-1	BP16-1	BP16-2	BP16-2	BP-1	BP-1	BP-1	
Depth	0 - 5	0 - 5	5 - 9	0 - 5	5 - 10	0 - 7	7 - 15	7 - 15	
Lab Sample ID	40122963007	40122963008	40122963009	40122963010	40122963011	500-83013-17	500-83013-18	500-83013-19	
Location Code	693V-16	693V-16	693V-16	693V-16	693V-16	693V-16	693V-16	693V-16	
Parameter									
Laboratory pH	8.04 J	8.1 J	8.58 J	8.65 J	8.58 J	8.67	8.63	8.69	<6.25, >9.0
VOCs (ug/kg)									
SVOCs (ug/kg)									
Benzo(a)anthracene	ND	ND	ND	73.8 J	ND	71 J	8.9 J	13 J	900 / 1100 / 1800
Benzo(a)pyrene	35 J	ND	ND	106	ND	68 J	8.2 J	8.9 J	90 / 1300 / 2100
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	90 / 200 / 420
Total Metals (mg/kg)									
Antimony, Total	ND	ND	ND	ND	ND	ND	ND	ND	5
Barium, Total	74.5	66.5	16.5	73	45.9	9.4	9.7	11	1500
Beryllium, Total	0.45	0.45	0.079 J	0.42 J	0.38 J	0.17 J	0.27	0.42 J	22
Cadmium, Total	ND	ND	ND	ND	ND	0.21	0.28	0.4 J	5.2
Calcium, Total	101000	116000	169000	112000	119000	160000 J	150000 J	160000 J	---
Chromium, Total	15.2	15.3	5.9	15.3	20.4	5	6.9	5.9 B	21
Cobalt, Total	5.3	4.9	2.3	5.9	4.6	2.7	3.3	3	20
Copper, Total	16	13.8	6.2	11.5	12.5	7.5	7.2	7.3	2900
Iron, Total	16600	15400	6840	13100	15400	8700 J+	5100 J	10000 J	15000 / 15900
Lead, Total	9.8	8.4	2.9	13.1	10.5	3.6	3.1	4.8 B	107
Magnesium, Total	48000	57800	96100	61500	68400	89000 J	84000 J	88000 J	325000
Manganese, Total	635	549	378	549	656	310	360	490	630 / 636
Mercury, Total	ND	ND	ND	ND	ND	0.0085 J	ND	0.011 J	0.89
Nickel, Total	13.5	12.7	6	11.4	14.5	6	6.1	8.1	100
Potassium, Total	2570	2860	1580	2360	2620	1100	1100	670	---
Selenium, Total	ND	ND	ND	ND	ND	ND	ND	ND	1.3
Silver, Total	ND	ND	ND	ND	ND	ND	ND	ND	4.4
Sodium, Total	379	355	280	640	541	430	660	470 J	---
Thallium, Total	ND	ND	ND	ND	ND	0.27 J	0.32 J	ND	2.6
Vanadium, Total	30	28.3	12.7	26.2	32.2	7.7 B	9.7 B	8.7	550
Zinc, Total	32.6	29.2	20.9	44.9	32.8	16	16	23	5100
TCLP Metals (mg/l)									
Barium, TCLP	0.53 J	ND	0.13 J	0.46	0.26	0.28 J	0.28 J	0.29 J	2
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	0.004 J	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	0.0039 J	ND	0.00096 J	ND	ND	0.016 J	1
Copper, TCLP	ND	ND	ND	ND	ND	0.024 J	0.044	0.029	0.65
Iron, TCLP	ND	ND	ND	ND	ND	ND	ND	1.3 J	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.33	0.21	1.3 J	0.35 J	1.4 J	1	1.2 J	3.8 J	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.0019 J	0.0017 J	ND	ND	ND	0.012 J	0.014 J	0.033	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	ND	ND	ND	ND	0.2	0.2	0.19 B	5

Summary Table of ISGS Site No. 693V-16
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	BP16-1 (0-5)-101515	BP16-1 (0-5)-101515D	BP16-1 (5-9)-101515	BP16-2 (0-5)-101515	BP16-2 (5-10)-101515	BP-1(0-7)-082614	BP-1(7-15)-082614	BP-1(7-15)-082614D	**Soil Reference Concentrations[A]**
Sample Date	10/15/2015	10/15/2015	10/15/2015	10/15/2015	10/15/2015	8/26/2014	8/26/2014	8/26/2014	
Location ID	BP16-1	BP16-1	BP16-1	BP16-2	BP16-2	BP-1	BP-1	BP-1	
Depth	0 - 5	0 - 5	5 - 9	0 - 5	5 - 10	0 - 7	7 - 15	7 - 15	
Lab Sample ID	40122963007	40122963008	40122963009	40122963010	40122963011	500-83013-17	500-83013-18	500-83013-19	
Location Code	693V-16	693V-16	693V-16	693V-16	693V-16	693V-16	693V-16	693V-16	
Parameter									
SPLP Metals (mg/l)									
Arsenic, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, SPLP	0.048 J	0.038 J	ND	0.017 J	0.016 J	0.11 J	0.097 J	ND	2
Cadmium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.0085 J	0.0058 J	0.0045 J	0.0047 J	0.004 J	ND	ND	ND	0.1
Cobalt, SPLP	0.0016 J	0.0011 J	ND	ND	ND	ND	ND	ND	1
Copper, SPLP	0.01	0.0085 J	ND	ND	ND	ND	ND	ND	0.65
Iron, SPLP	6.3	4.2	ND	2.1	2.3	0.22	ND	ND	5
Lead, SPLP	0.0036 J	0.0026 J	ND	0.0031 J	0.0023 J	ND	ND	ND	0.0075
Manganese, SPLP	0.077	0.053	ND	0.045	0.041	ND	ND	ND	0.15
Mercury, SPLP	0.00007 J	0.00003 J	ND	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	0.0059 J	0.0044 J	ND	ND	ND	ND	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.022	0.014 J	ND	ND	ND	ND	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.

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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
laurie.woelfel@pacelabs.com
Project Manager

Enclosures

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

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: BP16-1 (0-5)-101515 **Lab ID: 40122963007** Collected: 10/15/15 10:20 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 12:59	7440-36-0	
Arsenic	**6.7**	mg/kg	2.0	0.62	1	10/21/15 12:31	10/27/15 12:59	7440-38-2	
Barium	**74.5**	mg/kg	0.49	0.12	1	10/21/15 12:31	10/27/15 12:59	7440-39-3	
Beryllium	**0.45**	mg/kg	0.39	0.037	1	10/21/15 12:31	10/27/15 12:59	7440-41-7	
Cadmium	**<0.065**	mg/kg	0.49	0.065	1	10/21/15 12:31	10/27/15 12:59	7440-43-9	
Calcium	**101000**	mg/kg	491	13.4	5	10/21/15 12:31	10/25/15 12:07	7440-70-2	
Chromium	**15.2**	mg/kg	0.49	0.19	1	10/21/15 12:31	10/27/15 12:59	7440-47-3	
Cobalt	**5.3**	mg/kg	0.49	0.095	1	10/21/15 12:31	10/27/15 12:59	7440-48-4	
Copper	**16.0**	mg/kg	0.98	0.15	1	10/21/15 12:31	10/27/15 12:59	7440-50-8	
Iron	**16600**	mg/kg	9.8	1.6	1	10/21/15 12:31	10/27/15 12:59	7439-89-6	
Lead	**9.8**	mg/kg	0.98	0.42	1	10/21/15 12:31	10/27/15 12:59	7439-92-1	
Magnesium	**48000**	mg/kg	491	26.6	5	10/21/15 12:31	10/25/15 12:07	7439-95-4	
Manganese	**635**	mg/kg	0.49	0.050	1	10/21/15 12:31	10/27/15 12:59	7439-96-5	
Nickel	**13.5**	mg/kg	0.98	0.13	1	10/21/15 12:31	10/27/15 12:59	7440-02-0	
Potassium	**2570**	mg/kg	98.1	8.1	1	10/21/15 12:31	10/27/15 12:59	7440-09-7	
Selenium	**<0.76**	mg/kg	2.0	0.76	1	10/21/15 12:31	10/27/15 12:59	7782-49-2	
Silver	**<0.27**	mg/kg	0.98	0.27	1	10/21/15 12:31	10/27/15 12:59	7440-22-4	
Sodium	**379**	mg/kg	98.1	3.8	1	10/21/15 12:31	10/27/15 12:59	7440-23-5	
Thallium	**<0.80**	mg/kg	3.9	0.80	1	10/21/15 12:31	10/27/15 12:59	7440-28-0	
Vanadium	**30.0**	mg/kg	0.98	0.20	1	10/21/15 12:31	10/27/15 12:59	7440-62-2	
Zinc	**32.6**	mg/kg	3.9	0.38	1	10/21/15 12:31	10/27/15 12:59	7440-66-6	
6010 MET ICP, SPLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 10/22/15 16:00								
Arsenic	**<0.0026**	mg/L	0.010	0.0026	1	10/26/15 08:37	10/26/15 18:49	7440-38-2	
Barium	**0.048J**	mg/L	0.20	0.0037	1	10/26/15 08:37	10/26/15 18:49	7440-39-3	
Beryllium	**<0.00025**	mg/L	0.0050	0.00025	1	10/26/15 08:37	10/26/15 18:49	7440-41-7	
Cadmium	**<0.00027**	mg/L	0.0050	0.00027	1	10/26/15 08:37	10/26/15 18:49	7440-43-9	
Chromium	**0.0085J**	mg/L	0.010	0.0018	1	10/26/15 08:37	10/26/15 18:49	7440-47-3	
Cobalt	**0.0016J**	mg/L	0.010	0.00050	1	10/26/15 08:37	10/26/15 18:49	7440-48-4	
Copper	**0.010**	mg/L	0.010	0.0024	1	10/26/15 08:37	10/26/15 18:49	7440-50-8	
Iron	**6.3**	mg/L	0.050	0.0073	1	10/26/15 08:37	10/26/15 18:49	7439-89-6	
Lead	**0.0036J**	mg/L	0.0050	0.00084	1	10/26/15 08:37	10/26/15 18:49	7439-92-1	
Manganese	**0.077**	mg/L	0.010	0.00065	1	10/26/15 08:37	10/26/15 18:49	7439-96-5	
Nickel	**0.0059J**	mg/L	0.040	0.00041	1	10/26/15 08:37	10/26/15 18:49	7440-02-0	
Selenium	**<0.0024**	mg/L	0.020	0.0024	1	10/26/15 08:37	10/26/15 18:49	7782-49-2	
Silver	**<0.00032**	mg/L	0.010	0.00032	1	10/26/15 08:37	10/26/15 18:49	7440-22-4	
Zinc	**0.022**	mg/L	0.020	0.00076	1	10/26/15 08:37	10/26/15 18:49	7440-66-6	
6010 Metals, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 10/22/15 16:00								
Arsenic	**<0.0053**	mg/L	0.20	0.0053	1	10/26/15 07:45	10/26/15 16:14	7440-38-2	
Barium	**0.53J**	mg/L	2.0	0.0010	1	10/26/15 07:45	10/26/15 16:14	7440-39-3	
Beryllium	**<0.00050**	mg/L	0.20	0.00050	1	10/26/15 07:45	10/26/15 16:14	7440-41-7	
Cadmium	**<0.00054**	mg/L	0.10	0.00054	1	10/26/15 07:45	10/26/15 16:14	7440-43-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: BP16-1 (0-5)-101515 **Lab ID: 40122963007** Collected: 10/15/15 10:20 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 Metals, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 10/22/15 16:00								
Chromium	**<0.0037**	mg/L	0.20	0.0037	1	10/26/15 07:45	10/26/15 16:14	7440-47-3	
Cobalt	**<0.0010**	mg/L	0.20	0.0010	1	10/26/15 07:45	10/26/15 16:14	7440-48-4	
Copper	**0.015J**	mg/L	0.20	0.0048	1	10/26/15 07:45	10/26/15 16:14	7440-50-8	B
Iron	**<0.015**	mg/L	1.0	0.015	1	10/26/15 07:45	10/26/15 16:14	7439-89-6	
Lead	**<0.0017**	mg/L	0.20	0.0017	1	10/26/15 07:45	10/26/15 16:14	7439-92-1	
Manganese	**0.33**	mg/L	0.13	0.0013	1	10/26/15 07:45	10/26/15 16:14	7439-96-5	
Nickel	**0.0019J**	mg/L	0.20	0.00082	1	10/26/15 07:45	10/26/15 16:14	7440-02-0	
Selenium	**<0.0049**	mg/L	0.20	0.0049	1	10/26/15 07:45	10/26/15 16:14	7782-49-2	
Silver	**<0.00065**	mg/L	0.20	0.00065	1	10/26/15 07:45	10/26/15 16:14	7440-22-4	
Zinc	**0.036J**	mg/L	0.20	0.0015	1	10/26/15 07:45	10/26/15 16:14	7440-66-6	B
7470 Mercury, SPLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1312; 10/22/15 16:00								
Mercury	**0.000070J**	mg/L	0.00020	0.000024	1	10/26/15 08:39	10/26/15 16:27	7439-97-6	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 10/22/15 16:00								
Mercury	**<0.000024**	mg/L	0.00020	0.000024	1	10/26/15 08:28	10/26/15 15:54	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.021**	mg/kg	0.010	0.0028	1	10/26/15 10:45	10/26/15 17:33	7439-97-6	B
8270 MSSV FULL LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<64.9**	ug/kg	216	64.9	1	10/21/15 12:17	10/22/15 13:51	83-32-9	
Acenaphthylene	**<65.3**	ug/kg	218	65.3	1	10/21/15 12:17	10/22/15 13:51	208-96-8	
Anthracene	**<29.3**	ug/kg	97.6	29.3	1	10/21/15 12:17	10/22/15 13:51	120-12-7	
Benzo(a)anthracene	**<28.4**	ug/kg	94.5	28.4	1	10/21/15 12:17	10/22/15 13:51	56-55-3	
Benzo(a)pyrene	**35.0J**	ug/kg	91.9	27.6	1	10/21/15 12:17	10/22/15 13:51	50-32-8	
Benzo(b)fluoranthene	**44.6J**	ug/kg	105	31.5	1	10/21/15 12:17	10/22/15 13:51	205-99-2	
Benzo(g,h,i)perylene	**<47.9**	ug/kg	160	47.9	1	10/21/15 12:17	10/22/15 13:51	191-24-2	
Benzo(k)fluoranthene	**<43.9**	ug/kg	146	43.9	1	10/21/15 12:17	10/22/15 13:51	207-08-9	
4-Bromophenylphenyl ether	**<38.4**	ug/kg	128	38.4	1	10/21/15 12:17	10/22/15 13:51	101-55-3	
Butylbenzylphthalate	**<29.4**	ug/kg	97.9	29.4	1	10/21/15 12:17	10/22/15 13:51	85-68-7	
Carbazole	**<28.7**	ug/kg	95.6	28.7	1	10/21/15 12:17	10/22/15 13:51	86-74-8	
4-Chloro-3-methylphenol	**<57.0**	ug/kg	190	57.0	1	10/21/15 12:17	10/22/15 13:51	59-50-7	
4-Chloroaniline	**<30.1**	ug/kg	100	30.1	1	10/21/15 12:17	10/22/15 13:51	106-47-8	
bis(2-Chloroethoxy)methane	**<49.3**	ug/kg	164	49.3	1	10/21/15 12:17	10/22/15 13:51	111-91-1	
bis(2-Chloroethyl) ether	**<57.2**	ug/kg	191	57.2	1	10/21/15 12:17	10/22/15 13:51	111-44-4	
2-Chloronaphthalene	**<23.5**	ug/kg	78.4	23.5	1	10/21/15 12:17	10/22/15 13:51	91-58-7	
2-Chlorophenol	**<45.7**	ug/kg	152	45.7	1	10/21/15 12:17	10/22/15 13:51	95-57-8	
4-Chlorophenylphenyl ether	**<34.1**	ug/kg	114	34.1	1	10/21/15 12:17	10/22/15 13:51	7005-72-3	
Chrysene	**<27.4**	ug/kg	91.3	27.4	1	10/21/15 12:17	10/22/15 13:51	218-01-9	
Dibenz(a,h)anthracene	**<49.7**	ug/kg	166	49.7	1	10/21/15 12:17	10/22/15 13:51	53-70-3	
Dibenzofuran	**<22.2**	ug/kg	73.9	22.2	1	10/21/15 12:17	10/22/15 13:51	132-64-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: BP16-1 (0-5)-101515 **Lab ID: 40122963007** Collected: 10/15/15 10:20 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	**<57.6**	ug/kg	192	57.6	1	10/21/15 12:17	10/22/15 13:51	95-50-1	
1,3-Dichlorobenzene	**<25.4**	ug/kg	84.5	25.4	1	10/21/15 12:17	10/22/15 13:51	541-73-1	
1,4-Dichlorobenzene	**<25.5**	ug/kg	85.0	25.5	1	10/21/15 12:17	10/22/15 13:51	106-46-7	
3,3'-Dichlorobenzidine	**<49.7**	ug/kg	166	49.7	1	10/21/15 12:17	10/22/15 13:51	91-94-1	
2,4-Dichlorophenol	**<48.9**	ug/kg	163	48.9	1	10/21/15 12:17	10/22/15 13:51	120-83-2	
Diethylphthalate	**<30.4**	ug/kg	101	30.4	1	10/21/15 12:17	10/22/15 13:51	84-66-2	
2,4-Dimethylphenol	**<36.2**	ug/kg	121	36.2	1	10/21/15 12:17	10/22/15 13:51	105-67-9	
Dimethylphthalate	**<23.8**	ug/kg	79.4	23.8	1	10/21/15 12:17	10/22/15 13:51	131-11-3	
Di-n-butylphthalate	**<27.4**	ug/kg	91.2	27.4	1	10/21/15 12:17	10/22/15 13:51	84-74-2	
4,6-Dinitro-2-methylphenol	**<56.4**	ug/kg	188	56.4	1	10/21/15 12:17	10/22/15 13:51	534-52-1	
2,4-Dinitrophenol	**<55.8**	ug/kg	186	55.8	1	10/21/15 12:17	10/22/15 13:51	51-28-5	
2,4-Dinitrotoluene	**<26.2**	ug/kg	87.3	26.2	1	10/21/15 12:17	10/22/15 13:51	121-14-2	
2,6-Dinitrotoluene	**<34.8**	ug/kg	116	34.8	1	10/21/15 12:17	10/22/15 13:51	606-20-2	
Di-n-octylphthalate	**<41.2**	ug/kg	137	41.2	1	10/21/15 12:17	10/22/15 13:51	117-84-0	
bis(2-Ethylhexyl)phthalate	**<30.5**	ug/kg	102	30.5	1	10/21/15 12:17	10/22/15 13:51	117-81-7	
Fluoranthene	**34.7J**	ug/kg	86.4	25.9	1	10/21/15 12:17	10/22/15 13:51	206-44-0	
Fluorene	**<21.4**	ug/kg	71.4	21.4	1	10/21/15 12:17	10/22/15 13:51	86-73-7	
Hexachloro-1,3-butadiene	**<46.7**	ug/kg	156	46.7	1	10/21/15 12:17	10/22/15 13:51	87-68-3	
Hexachlorobenzene	**<30.8**	ug/kg	103	30.8	1	10/21/15 12:17	10/22/15 13:51	118-74-1	
Hexachlorocyclopentadiene	**<43.3**	ug/kg	144	43.3	1	10/21/15 12:17	10/22/15 13:51	77-47-4	
Hexachloroethane	**<29.3**	ug/kg	97.7	29.3	1	10/21/15 12:17	10/22/15 13:51	67-72-1	
Indeno(1,2,3-cd)pyrene	**<39.6**	ug/kg	132	39.6	1	10/21/15 12:17	10/22/15 13:51	193-39-5	
Isophorone	**<28.2**	ug/kg	93.8	28.2	1	10/21/15 12:17	10/22/15 13:51	78-59-1	
2-Methylnaphthalene	**<47.6**	ug/kg	159	47.6	1	10/21/15 12:17	10/22/15 13:51	91-57-6	
2-Methylphenol(o-Cresol)	**<33.3**	ug/kg	111	33.3	1	10/21/15 12:17	10/22/15 13:51	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<33.6**	ug/kg	112	33.6	1	10/21/15 12:17	10/22/15 13:51		
Naphthalene	**<64.0**	ug/kg	213	64.0	1	10/21/15 12:17	10/22/15 13:51	91-20-3	
2-Nitroaniline	**<52.2**	ug/kg	174	52.2	1	10/21/15 12:17	10/22/15 13:51	88-74-4	
3-Nitroaniline	**<31.1**	ug/kg	104	31.1	1	10/21/15 12:17	10/22/15 13:51	99-09-2	
4-Nitroaniline	**<76.0**	ug/kg	253	76.0	1	10/21/15 12:17	10/22/15 13:51	100-01-6	
Nitrobenzene	**<37.1**	ug/kg	124	37.1	1	10/21/15 12:17	10/22/15 13:51	98-95-3	
2-Nitrophenol	**<57.8**	ug/kg	193	57.8	1	10/21/15 12:17	10/22/15 13:51	88-75-5	
4-Nitrophenol	**<46.1**	ug/kg	154	46.1	1	10/21/15 12:17	10/22/15 13:51	100-02-7	
N-Nitroso-di-n-propylamine	**<29.0**	ug/kg	96.8	29.0	1	10/21/15 12:17	10/22/15 13:51	621-64-7	
N-Nitrosodiphenylamine	**<248**	ug/kg	828	248	1	10/21/15 12:17	10/22/15 13:51	86-30-6	
2,2'-Oxybis(1-chloropropane)	**<47.2**	ug/kg	157	47.2	1	10/21/15 12:17	10/22/15 13:51	108-60-1	
Pentachlorophenol	**<40.3**	ug/kg	134	40.3	1	10/21/15 12:17	10/22/15 13:51	87-86-5	
Phenanthrene	**<23.5**	ug/kg	78.3	23.5	1	10/21/15 12:17	10/22/15 13:51	85-01-8	
Phenol	**<43.5**	ug/kg	145	43.5	1	10/21/15 12:17	10/22/15 13:51	108-95-2	
Pyrene	**<40.6**	ug/kg	135	40.6	1	10/21/15 12:17	10/22/15 13:51	129-00-0	
1,2,4-Trichlorobenzene	**<20.7**	ug/kg	69.0	20.7	1	10/21/15 12:17	10/22/15 13:51	120-82-1	
2,4,5-Trichlorophenol	**<32.3**	ug/kg	108	32.3	1	10/21/15 12:17	10/22/15 13:51	95-95-4	
2,4,6-Trichlorophenol	**<27.9**	ug/kg	93.1	27.9	1	10/21/15 12:17	10/22/15 13:51	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	80	%	45-130		1	10/21/15 12:17	10/22/15 13:51	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: BP16-1 (0-5)-101515 **Lab ID: 40122963007** Collected: 10/15/15 10:20 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									
2-Fluorobiphenyl (S)	75	%	51-130		1	10/21/15 12:17	10/22/15 13:51	321-60-8	
Terphenyl-d14 (S)	77	%	37-134		1	10/21/15 12:17	10/22/15 13:51	1718-51-0	
Phenol-d6 (S)	70	%	36-130		1	10/21/15 12:17	10/22/15 13:51	13127-88-3	
2-Fluorophenol (S)	69	%	37-130		1	10/21/15 12:17	10/22/15 13:51	367-12-4	
2,4,6-Tribromophenol (S)	72	%	30-130		1	10/21/15 12:17	10/22/15 13:51	118-79-6	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Acetone	**<3.6**	ug/kg	11.5	3.6	1	10/20/15 12:00	10/20/15 11:44	67-64-1	2q
Benzene	**<0.93**	ug/kg	2.9	0.93	1	10/20/15 12:00	10/20/15 11:44	71-43-2	
Bromodichloromethane	**<0.63**	ug/kg	2.9	0.63	1	10/20/15 12:00	10/20/15 11:44	75-27-4	
Bromoform	**<0.49**	ug/kg	2.9	0.49	1	10/20/15 12:00	10/20/15 11:44	75-25-2	
Bromomethane	**<0.86**	ug/kg	5.8	0.86	1	10/20/15 12:00	10/20/15 11:44	74-83-9	
2-Butanone (MEK)	**<1.6**	ug/kg	11.5	1.6	1	10/20/15 12:00	10/20/15 11:44	78-93-3	
Carbon disulfide	**<0.75**	ug/kg	2.9	0.75	1	10/20/15 12:00	10/20/15 11:44	75-15-0	
Carbon tetrachloride	**<0.92**	ug/kg	2.9	0.92	1	10/20/15 12:00	10/20/15 11:44	56-23-5	
Chlorobenzene	**<0.91**	ug/kg	2.9	0.91	1	10/20/15 12:00	10/20/15 11:44	108-90-7	
Chloroethane	**<1.2**	ug/kg	2.9	1.2	1	10/20/15 12:00	10/20/15 11:44	75-00-3	
Chloroform	**<0.55**	ug/kg	2.9	0.55	1	10/20/15 12:00	10/20/15 11:44	67-66-3	
Chloromethane	**<0.32**	ug/kg	2.9	0.32	1	10/20/15 12:00	10/20/15 11:44	74-87-3	
Dibromochloromethane	**<0.99**	ug/kg	2.9	0.99	1	10/20/15 12:00	10/20/15 11:44	124-48-1	
1,1-Dichloroethane	**<1.4**	ug/kg	2.9	1.4	1	10/20/15 12:00	10/20/15 11:44	75-34-3	
1,2-Dichloroethane	**<0.57**	ug/kg	2.9	0.57	1	10/20/15 12:00	10/20/15 11:44	107-06-2	
1,1-Dichloroethene	**<1.3**	ug/kg	2.9	1.3	1	10/20/15 12:00	10/20/15 11:44	75-35-4	
cis-1,2-Dichloroethene	**<0.77**	ug/kg	2.9	0.77	1	10/20/15 12:00	10/20/15 11:44	156-59-2	
trans-1,2-Dichloroethene	**<0.71**	ug/kg	2.9	0.71	1	10/20/15 12:00	10/20/15 11:44	156-60-5	
1,2-Dichloropropane	**<0.73**	ug/kg	2.9	0.73	1	10/20/15 12:00	10/20/15 11:44	78-87-5	
cis-1,3-Dichloropropene	**<0.39**	ug/kg	2.9	0.39	1	10/20/15 12:00	10/20/15 11:44	10061-01-5	
trans-1,3-Dichloropropene	**<0.53**	ug/kg	2.9	0.53	1	10/20/15 12:00	10/20/15 11:44	10061-02-6	
Ethylbenzene	**<0.83**	ug/kg	2.9	0.83	1	10/20/15 12:00	10/20/15 11:44	100-41-4	
2-Hexanone	**<0.86**	ug/kg	2.9	0.86	1	10/20/15 12:00	10/20/15 11:44	591-78-6	
Methylene Chloride	**<1.1**	ug/kg	2.9	1.1	1	10/20/15 12:00	10/20/15 11:44	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	**<0.71**	ug/kg	2.9	0.71	1	10/20/15 12:00	10/20/15 11:44	108-10-1	
Methyl-tert-butyl ether	**<0.58**	ug/kg	2.9	0.58	1	10/20/15 12:00	10/20/15 11:44	1634-04-4	
Styrene	**<0.44**	ug/kg	2.9	0.44	1	10/20/15 12:00	10/20/15 11:44	100-42-5	
1,1,2,2-Tetrachloroethane	**<1.2**	ug/kg	2.9	1.2	1	10/20/15 12:00	10/20/15 11:44	79-34-5	
Tetrachloroethene	**<0.91**	ug/kg	2.9	0.91	1	10/20/15 12:00	10/20/15 11:44	127-18-4	
Toluene	**<0.86**	ug/kg	2.9	0.86	1	10/20/15 12:00	10/20/15 11:44	108-88-3	
1,1,1-Trichloroethane	**<0.89**	ug/kg	2.9	0.89	1	10/20/15 12:00	10/20/15 11:44	71-55-6	
1,1,2-Trichloroethane	**<1.1**	ug/kg	2.9	1.1	1	10/20/15 12:00	10/20/15 11:44	79-00-5	
Trichloroethene	**<1.1**	ug/kg	2.9	1.1	1	10/20/15 12:00	10/20/15 11:44	79-01-6	
Vinyl chloride	**<0.32**	ug/kg	2.9	0.32	1	10/20/15 12:00	10/20/15 11:44	75-01-4	
Xylene (Total)	**<2.6**	ug/kg	8.7	2.6	1	10/20/15 12:00	10/20/15 11:44	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	118	%	70-130		1	10/20/15 12:00	10/20/15 11:44	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: BP16-1 (0-5)-101515 **Lab ID: 40122963007** Collected: 10/15/15 10:20 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)	105	%	67-138		1	10/20/15 12:00	10/20/15 11:44	2037-26-5	
4-Bromofluorobenzene (S)	97	%	68-130		1	10/20/15 12:00	10/20/15 11:44	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.9**	%	0.10	0.10	1		10/16/15 17:31		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.04**	Std. Units	0.100	0.0100	1		10/22/15 11:05		H6

REPORT OF LABORATORY ANALYSIS

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: BP16-1 (0-5)-101515D **Lab ID: 40122963008** Collected: 10/15/15 10:25 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 13:01	7440-36-0	
Arsenic	**9.4J**	mg/kg	9.9	3.1	5	10/21/15 12:31	10/25/15 12:10	7440-38-2	D3
Barium	**66.5**	mg/kg	0.49	0.12	1	10/21/15 12:31	10/27/15 13:01	7440-39-3	
Beryllium	**0.45**	mg/kg	0.39	0.037	1	10/21/15 12:31	10/27/15 13:01	7440-41-7	
Cadmium	**<0.065**	mg/kg	0.49	0.065	1	10/21/15 12:31	10/27/15 13:01	7440-43-9	
Calcium	**116000**	mg/kg	493	13.5	5	10/21/15 12:31	10/25/15 12:10	7440-70-2	
Chromium	**15.3**	mg/kg	0.49	0.19	1	10/21/15 12:31	10/27/15 13:01	7440-47-3	
Cobalt	**4.9**	mg/kg	0.49	0.096	1	10/21/15 12:31	10/27/15 13:01	7440-48-4	
Copper	**13.8**	mg/kg	0.99	0.15	1	10/21/15 12:31	10/27/15 13:01	7440-50-8	
Iron	**15400**	mg/kg	9.9	1.7	1	10/21/15 12:31	10/27/15 13:01	7439-89-6	
Lead	**8.4**	mg/kg	0.99	0.42	1	10/21/15 12:31	10/27/15 13:01	7439-92-1	
Magnesium	**57800**	mg/kg	493	26.7	5	10/21/15 12:31	10/25/15 12:10	7439-95-4	
Manganese	**549**	mg/kg	0.49	0.050	1	10/21/15 12:31	10/27/15 13:01	7439-96-5	
Nickel	**12.7**	mg/kg	0.99	0.13	1	10/21/15 12:31	10/27/15 13:01	7440-02-0	
Potassium	**2860**	mg/kg	98.5	8.1	1	10/21/15 12:31	10/27/15 13:01	7440-09-7	
Selenium	**<0.76**	mg/kg	2.0	0.76	1	10/21/15 12:31	10/27/15 13:01	7782-49-2	
Silver	**<0.27**	mg/kg	0.99	0.27	1	10/21/15 12:31	10/27/15 13:01	7440-22-4	
Sodium	**355**	mg/kg	98.5	3.8	1	10/21/15 12:31	10/27/15 13:01	7440-23-5	
Thallium	**<0.81**	mg/kg	3.9	0.81	1	10/21/15 12:31	10/27/15 13:01	7440-28-0	
Vanadium	**28.3**	mg/kg	0.99	0.20	1	10/21/15 12:31	10/27/15 13:01	7440-62-2	
Zinc	**29.2**	mg/kg	3.9	0.38	1	10/21/15 12:31	10/27/15 13:01	7440-66-6	
6010 MET ICP, SPLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 10/22/15 16:00								
Arsenic	**<0.0026**	mg/L	0.010	0.0026	1	10/26/15 08:37	10/26/15 18:53	7440-38-2	
Barium	**0.038J**	mg/L	0.20	0.0037	1	10/26/15 08:37	10/26/15 18:53	7440-39-3	
Beryllium	**<0.00025**	mg/L	0.0050	0.00025	1	10/26/15 08:37	10/26/15 18:53	7440-41-7	
Cadmium	**<0.00027**	mg/L	0.0050	0.00027	1	10/26/15 08:37	10/26/15 18:53	7440-43-9	
Chromium	**0.0058J**	mg/L	0.010	0.0018	1	10/26/15 08:37	10/26/15 18:53	7440-47-3	
Cobalt	**0.0011J**	mg/L	0.010	0.00050	1	10/26/15 08:37	10/26/15 18:53	7440-48-4	
Copper	**0.0085J**	mg/L	0.010	0.0024	1	10/26/15 08:37	10/26/15 18:53	7440-50-8	
Iron	**4.2**	mg/L	0.050	0.0073	1	10/26/15 08:37	10/26/15 18:53	7439-89-6	
Lead	**0.0026J**	mg/L	0.0050	0.00084	1	10/26/15 08:37	10/26/15 18:53	7439-92-1	
Manganese	**0.053**	mg/L	0.010	0.00065	1	10/26/15 08:37	10/26/15 18:53	7439-96-5	
Nickel	**0.0044J**	mg/L	0.040	0.00041	1	10/26/15 08:37	10/26/15 18:53	7440-02-0	
Selenium	**<0.0024**	mg/L	0.020	0.0024	1	10/26/15 08:37	10/26/15 18:53	7782-49-2	
Silver	**<0.00032**	mg/L	0.010	0.00032	1	10/26/15 08:37	10/26/15 18:53	7440-22-4	
Zinc	**0.014J**	mg/L	0.020	0.00076	1	10/26/15 08:37	10/26/15 18:53	7440-66-6	
6010 Metals, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 10/22/15 16:00								
Arsenic	**0.0063J**	mg/L	0.20	0.0053	1	10/26/15 07:45	10/26/15 16:18	7440-38-2	B
Barium	**0.50J**	mg/L	2.0	0.0010	1	10/26/15 07:45	10/26/15 16:18	7440-39-3	B
Beryllium	**<0.00050**	mg/L	0.20	0.00050	1	10/26/15 07:45	10/26/15 16:18	7440-41-7	
Cadmium	**<0.00054**	mg/L	0.10	0.00054	1	10/26/15 07:45	10/26/15 16:18	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: BP16-1 (0-5)-101515D **Lab ID: 40122963008** Collected: 10/15/15 10:25 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 Metals, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 10/22/15 16:00								
Chromium	**0.0040J**	mg/L	0.20	0.0037	1	10/26/15 07:45	10/26/15 16:18	7440-47-3	
Cobalt	**<0.0010**	mg/L	0.20	0.0010	1	10/26/15 07:45	10/26/15 16:18	7440-48-4	
Copper	**0.012J**	mg/L	0.20	0.0048	1	10/26/15 07:45	10/26/15 16:18	7440-50-8	B
Iron	**<0.015**	mg/L	1.0	0.015	1	10/26/15 07:45	10/26/15 16:18	7439-89-6	
Lead	**<0.0017**	mg/L	0.20	0.0017	1	10/26/15 07:45	10/26/15 16:18	7439-92-1	
Manganese	**0.21**	mg/L	0.13	0.0013	1	10/26/15 07:45	10/26/15 16:18	7439-96-5	
Nickel	**0.0017J**	mg/L	0.20	0.00082	1	10/26/15 07:45	10/26/15 16:18	7440-02-0	
Selenium	**0.0084J**	mg/L	0.20	0.0049	1	10/26/15 07:45	10/26/15 16:18	7782-49-2	B
Silver	**<0.00065**	mg/L	0.20	0.00065	1	10/26/15 07:45	10/26/15 16:18	7440-22-4	
Zinc	**0.024J**	mg/L	0.20	0.0015	1	10/26/15 07:45	10/26/15 16:18	7440-66-6	B
7470 Mercury, SPLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1312; 10/22/15 16:00								
Mercury	**0.000030J**	mg/L	0.00020	0.000024	1	10/26/15 08:39	10/26/15 16:29	7439-97-6	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 10/22/15 16:00								
Mercury	**<0.000024**	mg/L	0.00020	0.000024	1	10/26/15 08:28	10/26/15 15:56	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.021**	mg/kg	0.010	0.0027	1	10/26/15 10:45	10/26/15 17:35	7439-97-6	B
8270 MSSV FULL LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<65.8**	ug/kg	219	65.8	1	10/21/15 12:17	10/22/15 11:43	83-32-9	
Acenaphthylene	**<66.2**	ug/kg	221	66.2	1	10/21/15 12:17	10/22/15 11:43	208-96-8	
Anthracene	**<29.6**	ug/kg	98.8	29.6	1	10/21/15 12:17	10/22/15 11:43	120-12-7	
Benzo(a)anthracene	**<28.7**	ug/kg	95.7	28.7	1	10/21/15 12:17	10/22/15 11:43	56-55-3	
Benzo(a)pyrene	**<27.9**	ug/kg	93.0	27.9	1	10/21/15 12:17	10/22/15 11:43	50-32-8	
Benzo(b)fluoranthene	**<31.9**	ug/kg	106	31.9	1	10/21/15 12:17	10/22/15 11:43	205-99-2	
Benzo(g,h,i)perylene	**<48.5**	ug/kg	162	48.5	1	10/21/15 12:17	10/22/15 11:43	191-24-2	
Benzo(k)fluoranthene	**<44.4**	ug/kg	148	44.4	1	10/21/15 12:17	10/22/15 11:43	207-08-9	
4-Bromophenylphenyl ether	**<38.8**	ug/kg	129	38.8	1	10/21/15 12:17	10/22/15 11:43	101-55-3	
Butylbenzylphthalate	**<29.7**	ug/kg	99.1	29.7	1	10/21/15 12:17	10/22/15 11:43	85-68-7	
Carbazole	**<29.0**	ug/kg	96.8	29.0	1	10/21/15 12:17	10/22/15 11:43	86-74-8	
4-Chloro-3-methylphenol	**<57.7**	ug/kg	192	57.7	1	10/21/15 12:17	10/22/15 11:43	59-50-7	
4-Chloroaniline	**<30.5**	ug/kg	102	30.5	1	10/21/15 12:17	10/22/15 11:43	106-47-8	
bis(2-Chloroethoxy)methane	**<49.9**	ug/kg	166	49.9	1	10/21/15 12:17	10/22/15 11:43	111-91-1	
bis(2-Chloroethyl) ether	**<57.9**	ug/kg	193	57.9	1	10/21/15 12:17	10/22/15 11:43	111-44-4	
2-Chloronaphthalene	**<23.8**	ug/kg	79.4	23.8	1	10/21/15 12:17	10/22/15 11:43	91-58-7	
2-Chlorophenol	**<46.3**	ug/kg	154	46.3	1	10/21/15 12:17	10/22/15 11:43	95-57-8	
4-Chlorophenylphenyl ether	**<34.5**	ug/kg	115	34.5	1	10/21/15 12:17	10/22/15 11:43	7005-72-3	
Chrysene	**<27.7**	ug/kg	92.4	27.7	1	10/21/15 12:17	10/22/15 11:43	218-01-9	
Dibenz(a,h)anthracene	**<50.4**	ug/kg	168	50.4	1	10/21/15 12:17	10/22/15 11:43	53-70-3	
Dibenzofuran	**<22.5**	ug/kg	74.8	22.5	1	10/21/15 12:17	10/22/15 11:43	132-64-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
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(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: BP16-1 (0-5)-101515D **Lab ID: 40122963008** Collected: 10/15/15 10:25 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	**<58.3**	ug/kg	194	58.3	1	10/21/15 12:17	10/22/15 11:43	95-50-1	
1,3-Dichlorobenzene	**<25.7**	ug/kg	85.6	25.7	1	10/21/15 12:17	10/22/15 11:43	541-73-1	
1,4-Dichlorobenzene	**<25.8**	ug/kg	86.1	25.8	1	10/21/15 12:17	10/22/15 11:43	106-46-7	
3,3'-Dichlorobenzidine	**<50.3**	ug/kg	168	50.3	1	10/21/15 12:17	10/22/15 11:43	91-94-1	
2,4-Dichlorophenol	**<49.6**	ug/kg	165	49.6	1	10/21/15 12:17	10/22/15 11:43	120-83-2	
Diethylphthalate	**<30.8**	ug/kg	103	30.8	1	10/21/15 12:17	10/22/15 11:43	84-66-2	
2,4-Dimethylphenol	**<36.7**	ug/kg	122	36.7	1	10/21/15 12:17	10/22/15 11:43	105-67-9	
Dimethylphthalate	**<24.1**	ug/kg	80.4	24.1	1	10/21/15 12:17	10/22/15 11:43	131-11-3	
Di-n-butylphthalate	**<27.7**	ug/kg	92.4	27.7	1	10/21/15 12:17	10/22/15 11:43	84-74-2	
4,6-Dinitro-2-methylphenol	**<57.2**	ug/kg	191	57.2	1	10/21/15 12:17	10/22/15 11:43	534-52-1	
2,4-Dinitrophenol	**<56.5**	ug/kg	188	56.5	1	10/21/15 12:17	10/22/15 11:43	51-28-5	
2,4-Dinitrotoluene	**<26.5**	ug/kg	88.4	26.5	1	10/21/15 12:17	10/22/15 11:43	121-14-2	
2,6-Dinitrotoluene	**<35.2**	ug/kg	117	35.2	1	10/21/15 12:17	10/22/15 11:43	606-20-2	
Di-n-octylphthalate	**<41.7**	ug/kg	139	41.7	1	10/21/15 12:17	10/22/15 11:43	117-84-0	
bis(2-Ethylhexyl)phthalate	**<30.8**	ug/kg	103	30.8	1	10/21/15 12:17	10/22/15 11:43	117-81-7	
Fluoranthene	**<26.2**	ug/kg	87.5	26.2	1	10/21/15 12:17	10/22/15 11:43	206-44-0	
Fluorene	**<21.7**	ug/kg	72.3	21.7	1	10/21/15 12:17	10/22/15 11:43	86-73-7	
Hexachloro-1,3-butadiene	**<47.2**	ug/kg	157	47.2	1	10/21/15 12:17	10/22/15 11:43	87-68-3	
Hexachlorobenzene	**<31.2**	ug/kg	104	31.2	1	10/21/15 12:17	10/22/15 11:43	118-74-1	
Hexachlorocyclopentadiene	**<43.9**	ug/kg	146	43.9	1	10/21/15 12:17	10/22/15 11:43	77-47-4	
Hexachloroethane	**<29.7**	ug/kg	98.9	29.7	1	10/21/15 12:17	10/22/15 11:43	67-72-1	
Indeno(1,2,3-cd)pyrene	**<40.1**	ug/kg	134	40.1	1	10/21/15 12:17	10/22/15 11:43	193-39-5	
Isophorone	**<28.5**	ug/kg	95.0	28.5	1	10/21/15 12:17	10/22/15 11:43	78-59-1	
2-Methylnaphthalene	**<48.2**	ug/kg	161	48.2	1	10/21/15 12:17	10/22/15 11:43	91-57-6	
2-Methylphenol(o-Cresol)	**<33.7**	ug/kg	112	33.7	1	10/21/15 12:17	10/22/15 11:43	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<34.0**	ug/kg	113	34.0	1	10/21/15 12:17	10/22/15 11:43		
Naphthalene	**<64.8**	ug/kg	216	64.8	1	10/21/15 12:17	10/22/15 11:43	91-20-3	
2-Nitroaniline	**<52.9**	ug/kg	176	52.9	1	10/21/15 12:17	10/22/15 11:43	88-74-4	
3-Nitroaniline	**<31.5**	ug/kg	105	31.5	1	10/21/15 12:17	10/22/15 11:43	99-09-2	
4-Nitroaniline	**<77.0**	ug/kg	257	77.0	1	10/21/15 12:17	10/22/15 11:43	100-01-6	
Nitrobenzene	**<37.6**	ug/kg	125	37.6	1	10/21/15 12:17	10/22/15 11:43	98-95-3	
2-Nitrophenol	**<58.5**	ug/kg	195	58.5	1	10/21/15 12:17	10/22/15 11:43	88-75-5	
4-Nitrophenol	**<46.7**	ug/kg	156	46.7	1	10/21/15 12:17	10/22/15 11:43	100-02-7	
N-Nitroso-di-n-propylamine	**<29.4**	ug/kg	98.0	29.4	1	10/21/15 12:17	10/22/15 11:43	621-64-7	
N-Nitrosodiphenylamine	**<252**	ug/kg	839	252	1	10/21/15 12:17	10/22/15 11:43	86-30-6	
2,2'-Oxybis(1-chloropropane)	**<47.8**	ug/kg	159	47.8	1	10/21/15 12:17	10/22/15 11:43	108-60-1	
Pentachlorophenol	**<40.8**	ug/kg	136	40.8	1	10/21/15 12:17	10/22/15 11:43	87-86-5	
Phenanthrene	**<23.8**	ug/kg	79.3	23.8	1	10/21/15 12:17	10/22/15 11:43	85-01-8	
Phenol	**<44.0**	ug/kg	147	44.0	1	10/21/15 12:17	10/22/15 11:43	108-95-2	
Pyrene	**<41.1**	ug/kg	137	41.1	1	10/21/15 12:17	10/22/15 11:43	129-00-0	
1,2,4-Trichlorobenzene	**<21.0**	ug/kg	69.9	21.0	1	10/21/15 12:17	10/22/15 11:43	120-82-1	
2,4,5-Trichlorophenol	**<32.8**	ug/kg	109	32.8	1	10/21/15 12:17	10/22/15 11:43	95-95-4	
2,4,6-Trichlorophenol	**<28.3**	ug/kg	94.3	28.3	1	10/21/15 12:17	10/22/15 11:43	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	69	%	45-130		1	10/21/15 12:17	10/22/15 11:43	4165-60-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: BP16-1 (0-5)-101515D **Lab ID: 40122963008** Collected: 10/15/15 10:25 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									
2-Fluorobiphenyl (S)	59	%	51-130		1	10/21/15 12:17	10/22/15 11:43	321-60-8	
Terphenyl-d14 (S)	61	%	37-134		1	10/21/15 12:17	10/22/15 11:43	1718-51-0	
Phenol-d6 (S)	56	%	36-130		1	10/21/15 12:17	10/22/15 11:43	13127-88-3	
2-Fluorophenol (S)	57	%	37-130		1	10/21/15 12:17	10/22/15 11:43	367-12-4	
2,4,6-Tribromophenol (S)	55	%	30-130		1	10/21/15 12:17	10/22/15 11:43	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	10/20/15 12:00	10/20/15 12:06	67-64-1	2q
Benzene	**<1.1**	ug/kg	3.5	1.1	1	10/20/15 12:00	10/20/15 12:06	71-43-2	
Bromodichloromethane	**<0.77**	ug/kg	3.5	0.77	1	10/20/15 12:00	10/20/15 12:06	75-27-4	
Bromoform	**<0.60**	ug/kg	3.5	0.60	1	10/20/15 12:00	10/20/15 12:06	75-25-2	
Bromomethane	**<1.1**	ug/kg	7.1	1.1	1	10/20/15 12:00	10/20/15 12:06	74-83-9	
2-Butanone (MEK)	**<2.0**	ug/kg	14.1	2.0	1	10/20/15 12:00	10/20/15 12:06	78-93-3	
Carbon disulfide	**<0.91**	ug/kg	3.5	0.91	1	10/20/15 12:00	10/20/15 12:06	75-15-0	
Carbon tetrachloride	**<1.1**	ug/kg	3.5	1.1	1	10/20/15 12:00	10/20/15 12:06	56-23-5	
Chlorobenzene	**<1.1**	ug/kg	3.5	1.1	1	10/20/15 12:00	10/20/15 12:06	108-90-7	
Chloroethane	**<1.4**	ug/kg	3.5	1.4	1	10/20/15 12:00	10/20/15 12:06	75-00-3	
Chloroform	**<0.67**	ug/kg	3.5	0.67	1	10/20/15 12:00	10/20/15 12:06	67-66-3	
Chloromethane	**<0.40**	ug/kg	3.5	0.40	1	10/20/15 12:00	10/20/15 12:06	74-87-3	
Dibromochloromethane	**<1.2**	ug/kg	3.5	1.2	1	10/20/15 12:00	10/20/15 12:06	124-48-1	
1,1-Dichloroethane	**<1.7**	ug/kg	3.5	1.7	1	10/20/15 12:00	10/20/15 12:06	75-34-3	
1,2-Dichloroethane	**<0.69**	ug/kg	3.5	0.69	1	10/20/15 12:00	10/20/15 12:06	107-06-2	
1,1-Dichloroethene	**<1.6**	ug/kg	3.5	1.6	1	10/20/15 12:00	10/20/15 12:06	75-35-4	
cis-1,2-Dichloroethene	**<0.94**	ug/kg	3.5	0.94	1	10/20/15 12:00	10/20/15 12:06	156-59-2	
trans-1,2-Dichloroethene	**<0.87**	ug/kg	3.5	0.87	1	10/20/15 12:00	10/20/15 12:06	156-60-5	
1,2-Dichloropropane	**<0.89**	ug/kg	3.5	0.89	1	10/20/15 12:00	10/20/15 12:06	78-87-5	
cis-1,3-Dichloropropene	**<0.47**	ug/kg	3.5	0.47	1	10/20/15 12:00	10/20/15 12:06	10061-01-5	
trans-1,3-Dichloropropene	**<0.65**	ug/kg	3.5	0.65	1	10/20/15 12:00	10/20/15 12:06	10061-02-6	
Ethylbenzene	**<1.0**	ug/kg	3.5	1.0	1	10/20/15 12:00	10/20/15 12:06	100-41-4	
2-Hexanone	**<1.0**	ug/kg	3.5	1.0	1	10/20/15 12:00	10/20/15 12:06	591-78-6	
Methylene Chloride	**<1.3**	ug/kg	3.5	1.3	1	10/20/15 12:00	10/20/15 12:06	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	**<0.87**	ug/kg	3.5	0.87	1	10/20/15 12:00	10/20/15 12:06	108-10-1	
Methyl-tert-butyl ether	**<0.71**	ug/kg	3.5	0.71	1	10/20/15 12:00	10/20/15 12:06	1634-04-4	
Styrene	**<0.54**	ug/kg	3.5	0.54	1	10/20/15 12:00	10/20/15 12:06	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 12:06	79-34-5	
Tetrachloroethene	**<1.1**	ug/kg	3.5	1.1	1	10/20/15 12:00	10/20/15 12:06	127-18-4	
Toluene	**<1.0**	ug/kg	3.5	1.0	1	10/20/15 12:00	10/20/15 12:06	108-88-3	
1,1,1-Trichloroethane	**<1.1**	ug/kg	3.5	1.1	1	10/20/15 12:00	10/20/15 12:06	71-55-6	
1,1,2-Trichloroethane	**<1.3**	ug/kg	3.5	1.3	1	10/20/15 12:00	10/20/15 12:06	79-00-5	
Trichloroethene	**<1.4**	ug/kg	3.5	1.4	1	10/20/15 12:00	10/20/15 12:06	79-01-6	
Vinyl chloride	**<0.39**	ug/kg	3.5	0.39	1	10/20/15 12:00	10/20/15 12:06	75-01-4	
Xylene (Total)	**<3.2**	ug/kg	10.6	3.2	1	10/20/15 12:00	10/20/15 12:06	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	118	%	70-130		1	10/20/15 12:00	10/20/15 12:06	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: BP16-1 (0-5)-101515D **Lab ID: 40122963008** Collected: 10/15/15 10:25 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)	105	%	67-138		1	10/20/15 12:00	10/20/15 12:06	2037-26-5	
4-Bromofluorobenzene (S)	94	%	68-130		1	10/20/15 12:00	10/20/15 12:06	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.0**	%	0.10	0.10	1		10/16/15 17:31		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.10**	Std. Units	0.100	0.0100	1		10/22/15 11:05		H6

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: BP16-1 (5-9)-101515 **Lab ID: 40122963009** Collected: 10/15/15 10:40 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	**<0.58**	mg/kg	2.0	0.58	1	10/21/15 12:31	10/27/15 13:04	7440-36-0	
Arsenic	**5.2J**	mg/kg	10.2	3.3	5	10/21/15 12:31	10/25/15 12:12	7440-38-2	D3
Barium	**16.5**	mg/kg	0.51	0.12	1	10/21/15 12:31	10/27/15 13:04	7440-39-3	
Beryllium	**0.079J**	mg/kg	0.41	0.038	1	10/21/15 12:31	10/27/15 13:04	7440-41-7	
Cadmium	**<0.068**	mg/kg	0.51	0.068	1	10/21/15 12:31	10/27/15 13:04	7440-43-9	
Calcium	**169000**	mg/kg	511	14.0	5	10/21/15 12:31	10/25/15 12:12	7440-70-2	
Chromium	**5.9**	mg/kg	0.51	0.20	1	10/21/15 12:31	10/27/15 13:04	7440-47-3	
Cobalt	**2.3**	mg/kg	0.51	0.099	1	10/21/15 12:31	10/27/15 13:04	7440-48-4	
Copper	**6.2**	mg/kg	1.0	0.16	1	10/21/15 12:31	10/27/15 13:04	7440-50-8	
Iron	**6840**	mg/kg	10.2	1.7	1	10/21/15 12:31	10/27/15 13:04	7439-89-6	
Lead	**2.9**	mg/kg	1.0	0.44	1	10/21/15 12:31	10/27/15 13:04	7439-92-1	
Magnesium	**96100**	mg/kg	511	27.7	5	10/21/15 12:31	10/25/15 12:12	7439-95-4	
Manganese	**378**	mg/kg	0.51	0.052	1	10/21/15 12:31	10/27/15 13:04	7439-96-5	
Nickel	**6.0**	mg/kg	1.0	0.13	1	10/21/15 12:31	10/27/15 13:04	7440-02-0	
Potassium	**1580**	mg/kg	102	8.4	1	10/21/15 12:31	10/27/15 13:04	7440-09-7	
Selenium	**<0.79**	mg/kg	2.0	0.79	1	10/21/15 12:31	10/27/15 13:04	7782-49-2	
Silver	**<0.28**	mg/kg	1.0	0.28	1	10/21/15 12:31	10/27/15 13:04	7440-22-4	
Sodium	**280**	mg/kg	102	3.9	1	10/21/15 12:31	10/27/15 13:04	7440-23-5	
Thallium	**<0.84**	mg/kg	4.1	0.84	1	10/21/15 12:31	10/27/15 13:04	7440-28-0	
Vanadium	**12.7**	mg/kg	1.0	0.21	1	10/21/15 12:31	10/27/15 13:04	7440-62-2	
Zinc	**20.9**	mg/kg	4.1	0.39	1	10/21/15 12:31	10/27/15 13:04	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 13:10	7440-38-2	
Barium	**0.0026J**	mg/L	0.10	0.00052	1	10/27/15 09:45	10/28/15 13:10	7440-39-3	B
Beryllium	**<0.00017**	mg/L	0.0010	0.00017	1	10/27/15 09:45	10/27/15 17:52	7440-41-7	
Cadmium	**<0.00056**	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/28/15 13:10	7440-43-9	
Chromium	**0.0045J**	mg/L	0.0050	0.00096	1	10/27/15 09:45	10/27/15 17:52	7440-47-3	
Cobalt	**<0.00080**	mg/L	0.0050	0.00080	1	10/27/15 09:45	10/27/15 17:52	7440-48-4	
Copper	**0.0068J**	mg/L	0.010	0.00083	1	10/27/15 09:45	10/28/15 13:10	7440-50-8	B
Iron	**0.042J**	mg/L	0.050	0.0090	1	10/27/15 09:45	10/28/15 13:10	7439-89-6	B
Lead	**<0.0019**	mg/L	0.0050	0.0019	1	10/27/15 09:45	10/27/15 17:52	7439-92-1	
Manganese	**<0.0024**	mg/L	0.0050	0.0024	1	10/27/15 09:45	10/27/15 17:52	7439-96-5	
Nickel	**0.0034J**	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 17:52	7440-02-0	B
Selenium	**<0.0058**	mg/L	0.015	0.0058	1	10/27/15 09:45	10/27/15 17:52	7782-49-2	
Silver	**<0.0011**	mg/L	0.0070	0.0011	1	10/27/15 09:45	10/27/15 17:52	7440-22-4	
Zinc	**0.0030J**	mg/L	0.050	0.0026	1	10/27/15 09:45	10/27/15 17:52	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	**0.0072J**	mg/L	0.050	0.0045	1	10/27/15 09:45	10/27/15 16:56	7440-38-2	B
Barium	**0.13J**	mg/L	0.25	0.00052	1	10/27/15 09:45	10/27/15 16:56	7440-39-3	
Beryllium	**<0.00017**	mg/L	0.0050	0.00017	1	10/27/15 09:45	10/27/15 16:56	7440-41-7	
Cadmium	**0.0028J**	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 16:56	7440-43-9	B

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: BP16-1 (5-9)-101515 **Lab ID: 40122963009** Collected: 10/15/15 10:40 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; 10/25/15 00:00								
Chromium	**<0.00096**	mg/L	0.010	0.00096	1	10/27/15 09:45	10/27/15 16:56	7440-47-3	
Cobalt	**0.0039J**	mg/L	0.010	0.00080	1	10/27/15 09:45	10/27/15 16:56	7440-48-4	
Copper	**0.0068J**	mg/L	0.020	0.00083	1	10/27/15 09:45	10/28/15 12:14	7440-50-8	B
Iron	**0.0099J**	mg/L	0.10	0.0090	1	10/27/15 09:45	10/28/15 12:14	7439-89-6	B
Lead	**<0.0019**	mg/L	0.050	0.0019	1	10/27/15 09:45	10/27/15 16:56	7439-92-1	
Manganese	**1.3**	mg/L	0.010	0.0024	1	10/27/15 09:45	10/27/15 16:56	7439-96-5	
Nickel	**0.017**	mg/L	0.010	0.00056	1	10/27/15 09:45	10/27/15 16:56	7440-02-0	B
Selenium	**0.0075J**	mg/L	0.050	0.0058	1	10/27/15 09:45	10/27/15 16:56	7782-49-2	B
Silver	**<0.0011**	mg/L	0.010	0.0011	1	10/27/15 09:45	10/27/15 16:56	7440-22-4	
Zinc	**0.060J**	mg/L	0.25	0.0026	1	10/27/15 09:45	10/27/15 16:56	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 16:42	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 15:44	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.011**	mg/kg	0.0092	0.0025	1	10/26/15 10:45	10/26/15 17:37	7439-97-6	B
8270 MSSV FULL LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<61.3**	ug/kg	204	61.3	1	10/21/15 12:17	10/21/15 19:06	83-32-9	
Acenaphthylene	**<61.6**	ug/kg	205	61.6	1	10/21/15 12:17	10/21/15 19:06	208-96-8	
Anthracene	**<27.6**	ug/kg	92.0	27.6	1	10/21/15 12:17	10/21/15 19:06	120-12-7	
Benzo(a)anthracene	**<26.8**	ug/kg	89.2	26.8	1	10/21/15 12:17	10/21/15 19:06	56-55-3	
Benzo(a)pyrene	**<26.0**	ug/kg	86.7	26.0	1	10/21/15 12:17	10/21/15 19:06	50-32-8	
Benzo(b)fluoranthene	**<29.7**	ug/kg	99.0	29.7	1	10/21/15 12:17	10/21/15 19:06	205-99-2	
Benzo(g,h,i)perylene	**<45.2**	ug/kg	151	45.2	1	10/21/15 12:17	10/21/15 19:06	191-24-2	
Benzo(k)fluoranthene	**<41.4**	ug/kg	138	41.4	1	10/21/15 12:17	10/21/15 19:06	207-08-9	
4-Bromophenylphenyl ether	**<36.2**	ug/kg	121	36.2	1	10/21/15 12:17	10/21/15 19:06	101-55-3	
Butylbenzylphthalate	**<27.7**	ug/kg	92.3	27.7	1	10/21/15 12:17	10/21/15 19:06	85-68-7	
Carbazole	**<27.0**	ug/kg	90.2	27.0	1	10/21/15 12:17	10/21/15 19:06	86-74-8	
4-Chloro-3-methylphenol	**<53.8**	ug/kg	179	53.8	1	10/21/15 12:17	10/21/15 19:06	59-50-7	
4-Chloroaniline	**<28.4**	ug/kg	94.6	28.4	1	10/21/15 12:17	10/21/15 19:06	106-47-8	
bis(2-Chloroethoxy)methane	**<46.5**	ug/kg	155	46.5	1	10/21/15 12:17	10/21/15 19:06	111-91-1	
bis(2-Chloroethyl) ether	**<53.9**	ug/kg	180	53.9	1	10/21/15 12:17	10/21/15 19:06	111-44-4	
2-Chloronaphthalene	**<22.2**	ug/kg	73.9	22.2	1	10/21/15 12:17	10/21/15 19:06	91-58-7	
2-Chlorophenol	**<43.1**	ug/kg	144	43.1	1	10/21/15 12:17	10/21/15 19:06	95-57-8	
4-Chlorophenylphenyl ether	**<32.2**	ug/kg	107	32.2	1	10/21/15 12:17	10/21/15 19:06	7005-72-3	
Chrysene	**<25.8**	ug/kg	86.1	25.8	1	10/21/15 12:17	10/21/15 19:06	218-01-9	
Dibenz(a,h)anthracene	**<46.9**	ug/kg	156	46.9	1	10/21/15 12:17	10/21/15 19:06	53-70-3	
Dibenzofuran	**<20.9**	ug/kg	69.7	20.9	1	10/21/15 12:17	10/21/15 19:06	132-64-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: BP16-1 (5-9)-101515 **Lab ID: 40122963009** Collected: 10/15/15 10:40 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								
1,2-Dichlorobenzene	**<54.3**	ug/kg	181	54.3	1	10/21/15 12:17	10/21/15 19:06	95-50-1	
1,3-Dichlorobenzene	**<23.9**	ug/kg	79.7	23.9	1	10/21/15 12:17	10/21/15 19:06	541-73-1	
1,4-Dichlorobenzene	**<24.1**	ug/kg	80.2	24.1	1	10/21/15 12:17	10/21/15 19:06	106-46-7	
3,3'-Dichlorobenzidine	**<46.9**	ug/kg	156	46.9	1	10/21/15 12:17	10/21/15 19:06	91-94-1	
2,4-Dichlorophenol	**<46.2**	ug/kg	154	46.2	1	10/21/15 12:17	10/21/15 19:06	120-83-2	
Diethylphthalate	**<28.6**	ug/kg	95.5	28.6	1	10/21/15 12:17	10/21/15 19:06	84-66-2	
2,4-Dimethylphenol	**<34.2**	ug/kg	114	34.2	1	10/21/15 12:17	10/21/15 19:06	105-67-9	
Dimethylphthalate	**<22.5**	ug/kg	74.9	22.5	1	10/21/15 12:17	10/21/15 19:06	131-11-3	
Di-n-butylphthalate	**<25.8**	ug/kg	86.1	25.8	1	10/21/15 12:17	10/21/15 19:06	84-74-2	
4,6-Dinitro-2-methylphenol	**<53.3**	ug/kg	178	53.3	1	10/21/15 12:17	10/21/15 19:06	534-52-1	
2,4-Dinitrophenol	**<52.6**	ug/kg	175	52.6	1	10/21/15 12:17	10/21/15 19:06	51-28-5	
2,4-Dinitrotoluene	**<24.7**	ug/kg	82.4	24.7	1	10/21/15 12:17	10/21/15 19:06	121-14-2	
2,6-Dinitrotoluene	**<32.8**	ug/kg	109	32.8	1	10/21/15 12:17	10/21/15 19:06	606-20-2	
Di-n-octylphthalate	**<38.8**	ug/kg	129	38.8	1	10/21/15 12:17	10/21/15 19:06	117-84-0	
bis(2-Ethylhexyl)phthalate	**<28.7**	ug/kg	95.8	28.7	1	10/21/15 12:17	10/21/15 19:06	117-81-7	
Fluoranthene	**<24.4**	ug/kg	81.5	24.4	1	10/21/15 12:17	10/21/15 19:06	206-44-0	
Fluorene	**<20.2**	ug/kg	67.3	20.2	1	10/21/15 12:17	10/21/15 19:06	86-73-7	
Hexachloro-1,3-butadiene	**<44.0**	ug/kg	147	44.0	1	10/21/15 12:17	10/21/15 19:06	87-68-3	
Hexachlorobenzene	**<29.1**	ug/kg	96.9	29.1	1	10/21/15 12:17	10/21/15 19:06	118-74-1	
Hexachlorocyclopentadiene	**<40.9**	ug/kg	136	40.9	1	10/21/15 12:17	10/21/15 19:06	77-47-4	
Hexachloroethane	**<27.6**	ug/kg	92.2	27.6	1	10/21/15 12:17	10/21/15 19:06	67-72-1	
Indeno(1,2,3-cd)pyrene	**<37.4**	ug/kg	125	37.4	1	10/21/15 12:17	10/21/15 19:06	193-39-5	
Isophorone	**<26.6**	ug/kg	88.5	26.6	1	10/21/15 12:17	10/21/15 19:06	78-59-1	
2-Methylnaphthalene	**<44.9**	ug/kg	150	44.9	1	10/21/15 12:17	10/21/15 19:06	91-57-6	
2-Methylphenol(o-Cresol)	**<31.4**	ug/kg	105	31.4	1	10/21/15 12:17	10/21/15 19:06	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<31.7**	ug/kg	106	31.7	1	10/21/15 12:17	10/21/15 19:06		
Naphthalene	**<60.4**	ug/kg	201	60.4	1	10/21/15 12:17	10/21/15 19:06	91-20-3	
2-Nitroaniline	**<49.2**	ug/kg	164	49.2	1	10/21/15 12:17	10/21/15 19:06	88-74-4	
3-Nitroaniline	**<29.4**	ug/kg	97.9	29.4	1	10/21/15 12:17	10/21/15 19:06	99-09-2	
4-Nitroaniline	**<71.7**	ug/kg	239	71.7	1	10/21/15 12:17	10/21/15 19:06	100-01-6	
Nitrobenzene	**<35.0**	ug/kg	117	35.0	1	10/21/15 12:17	10/21/15 19:06	98-95-3	
2-Nitrophenol	**<54.5**	ug/kg	182	54.5	1	10/21/15 12:17	10/21/15 19:06	88-75-5	
4-Nitrophenol	**<43.5**	ug/kg	145	43.5	1	10/21/15 12:17	10/21/15 19:06	100-02-7	
N-Nitroso-di-n-propylamine	**<27.4**	ug/kg	91.3	27.4	1	10/21/15 12:17	10/21/15 19:06	621-64-7	
N-Nitrosodiphenylamine	**<234**	ug/kg	781	234	1	10/21/15 12:17	10/21/15 19:06	86-30-6	
2,2'-Oxybis(1-chloropropane)	**<44.6**	ug/kg	149	44.6	1	10/21/15 12:17	10/21/15 19:06	108-60-1	
Pentachlorophenol	**<38.0**	ug/kg	127	38.0	1	10/21/15 12:17	10/21/15 19:06	87-86-5	
Phenanthrene	**<22.2**	ug/kg	73.9	22.2	1	10/21/15 12:17	10/21/15 19:06	85-01-8	
Phenol	**<41.0**	ug/kg	137	41.0	1	10/21/15 12:17	10/21/15 19:06	108-95-2	
Pyrene	**<38.3**	ug/kg	128	38.3	1	10/21/15 12:17	10/21/15 19:06	129-00-0	
1,2,4-Trichlorobenzene	**<19.5**	ug/kg	65.1	19.5	1	10/21/15 12:17	10/21/15 19:06	120-82-1	
2,4,5-Trichlorophenol	**<30.5**	ug/kg	102	30.5	1	10/21/15 12:17	10/21/15 19:06	95-95-4	
2,4,6-Trichlorophenol	**<26.3**	ug/kg	87.8	26.3	1	10/21/15 12:17	10/21/15 19:06	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	84	%	45-130		1	10/21/15 12:17	10/21/15 19:06	4165-60-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: BP16-1 (5-9)-101515 **Lab ID: 40122963009** Collected: 10/15/15 10:40 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									
2-Fluorobiphenyl (S)	83	%	51-130		1	10/21/15 12:17	10/21/15 19:06	321-60-8	
Terphenyl-d14 (S)	88	%	37-134		1	10/21/15 12:17	10/21/15 19:06	1718-51-0	
Phenol-d6 (S)	78	%	36-130		1	10/21/15 12:17	10/21/15 19:06	13127-88-3	
2-Fluorophenol (S)	75	%	37-130		1	10/21/15 12:17	10/21/15 19:06	367-12-4	
2,4,6-Tribromophenol (S)	79	%	30-130		1	10/21/15 12:17	10/21/15 19:06	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	10/20/15 12:00	10/20/15 12:29	67-64-1	2q
Benzene	**<1.1**	ug/kg	3.4	1.1	1	10/20/15 12:00	10/20/15 12:29	71-43-2	
Bromodichloromethane	**<0.74**	ug/kg	3.4	0.74	1	10/20/15 12:00	10/20/15 12:29	75-27-4	
Bromoform	**<0.58**	ug/kg	3.4	0.58	1	10/20/15 12:00	10/20/15 12:29	75-25-2	
Bromomethane	**<1.0**	ug/kg	6.8	1.0	1	10/20/15 12:00	10/20/15 12:29	74-83-9	
2-Butanone (MEK)	**<1.9**	ug/kg	13.6	1.9	1	10/20/15 12:00	10/20/15 12:29	78-93-3	
Carbon disulfide	**<0.88**	ug/kg	3.4	0.88	1	10/20/15 12:00	10/20/15 12:29	75-15-0	
Carbon tetrachloride	**<1.1**	ug/kg	3.4	1.1	1	10/20/15 12:00	10/20/15 12:29	56-23-5	
Chlorobenzene	**<1.1**	ug/kg	3.4	1.1	1	10/20/15 12:00	10/20/15 12:29	108-90-7	
Chloroethane	**<1.4**	ug/kg	3.4	1.4	1	10/20/15 12:00	10/20/15 12:29	75-00-3	
Chloroform	**<0.64**	ug/kg	3.4	0.64	1	10/20/15 12:00	10/20/15 12:29	67-66-3	
Chloromethane	**<0.38**	ug/kg	3.4	0.38	1	10/20/15 12:00	10/20/15 12:29	74-87-3	
Dibromochloromethane	**<1.2**	ug/kg	3.4	1.2	1	10/20/15 12:00	10/20/15 12:29	124-48-1	
1,1-Dichloroethane	**<1.6**	ug/kg	3.4	1.6	1	10/20/15 12:00	10/20/15 12:29	75-34-3	
1,2-Dichloroethane	**<0.67**	ug/kg	3.4	0.67	1	10/20/15 12:00	10/20/15 12:29	107-06-2	
1,1-Dichloroethene	**<1.5**	ug/kg	3.4	1.5	1	10/20/15 12:00	10/20/15 12:29	75-35-4	
cis-1,2-Dichloroethene	**<0.90**	ug/kg	3.4	0.90	1	10/20/15 12:00	10/20/15 12:29	156-59-2	
trans-1,2-Dichloroethene	**<0.84**	ug/kg	3.4	0.84	1	10/20/15 12:00	10/20/15 12:29	156-60-5	
1,2-Dichloropropane	**<0.86**	ug/kg	3.4	0.86	1	10/20/15 12:00	10/20/15 12:29	78-87-5	
cis-1,3-Dichloropropene	**<0.45**	ug/kg	3.4	0.45	1	10/20/15 12:00	10/20/15 12:29	10061-01-5	
trans-1,3-Dichloropropene	**<0.63**	ug/kg	3.4	0.63	1	10/20/15 12:00	10/20/15 12:29	10061-02-6	
Ethylbenzene	**<0.98**	ug/kg	3.4	0.98	1	10/20/15 12:00	10/20/15 12:29	100-41-4	
2-Hexanone	**<1.0**	ug/kg	3.4	1.0	1	10/20/15 12:00	10/20/15 12:29	591-78-6	
Methylene Chloride	**<1.3**	ug/kg	3.4	1.3	1	10/20/15 12:00	10/20/15 12:29	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	**<0.83**	ug/kg	3.4	0.83	1	10/20/15 12:00	10/20/15 12:29	108-10-1	
Methyl-tert-butyl ether	**<0.68**	ug/kg	3.4	0.68	1	10/20/15 12:00	10/20/15 12:29	1634-04-4	
Styrene	**<0.51**	ug/kg	3.4	0.51	1	10/20/15 12:00	10/20/15 12:29	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 12:29	79-34-5	
Tetrachloroethene	**<1.1**	ug/kg	3.4	1.1	1	10/20/15 12:00	10/20/15 12:29	127-18-4	
Toluene	**<1.0**	ug/kg	3.4	1.0	1	10/20/15 12:00	10/20/15 12:29	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/kg	3.4	1.0	1	10/20/15 12:00	10/20/15 12:29	71-55-6	
1,1,2-Trichloroethane	**<1.3**	ug/kg	3.4	1.3	1	10/20/15 12:00	10/20/15 12:29	79-00-5	
Trichloroethene	**<1.3**	ug/kg	3.4	1.3	1	10/20/15 12:00	10/20/15 12:29	79-01-6	
Vinyl chloride	**<0.37**	ug/kg	3.4	0.37	1	10/20/15 12:00	10/20/15 12:29	75-01-4	
Xylene (Total)	**<3.0**	ug/kg	10.2	3.0	1	10/20/15 12:00	10/20/15 12:29	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	106	%	70-130		1	10/20/15 12:00	10/20/15 12:29	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: BP16-1 (5-9)-101515 **Lab ID: 40122963009** Collected: 10/15/15 10:40 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
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	109	%	67-138		1	10/20/15 12:00	10/20/15 12:29	2037-26-5	
4-Bromofluorobenzene (S)	88	%	68-130		1	10/20/15 12:00	10/20/15 12:29	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**3.4**	%	0.10	0.10	1		10/16/15 17:31		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.58**	Std. Units	0.100	0.0100	1		10/22/15 11:05		H6

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: BP16-2 (0-5)-101515 **Lab ID: 40122963010** Collected: 10/15/15 11:05 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	**<0.62**	mg/kg	2.2	0.62	1	10/21/15 12:31	10/27/15 13:06	7440-36-0	
Arsenic	**7.4J**	mg/kg	10.9	3.5	5	10/21/15 12:31	10/25/15 12:14	7440-38-2	D3
Barium	**73.0**	mg/kg	0.54	0.13	1	10/21/15 12:31	10/27/15 13:06	7440-39-3	
Beryllium	**0.42J**	mg/kg	0.43	0.041	1	10/21/15 12:31	10/27/15 13:06	7440-41-7	
Cadmium	**<0.072**	mg/kg	0.54	0.072	1	10/21/15 12:31	10/27/15 13:06	7440-43-9	
Calcium	**112000**	mg/kg	543	14.9	5	10/21/15 12:31	10/25/15 12:14	7440-70-2	
Chromium	**15.3**	mg/kg	0.54	0.21	1	10/21/15 12:31	10/27/15 13:06	7440-47-3	
Cobalt	**5.9**	mg/kg	0.54	0.11	1	10/21/15 12:31	10/27/15 13:06	7440-48-4	
Copper	**11.5**	mg/kg	1.1	0.17	1	10/21/15 12:31	10/27/15 13:06	7440-50-8	
Iron	**13100**	mg/kg	10.9	1.8	1	10/21/15 12:31	10/27/15 13:06	7439-89-6	
Lead	**13.1**	mg/kg	1.1	0.47	1	10/21/15 12:31	10/27/15 13:06	7439-92-1	
Magnesium	**61500**	mg/kg	543	29.4	5	10/21/15 12:31	10/25/15 12:14	7439-95-4	
Manganese	**549**	mg/kg	0.54	0.055	1	10/21/15 12:31	10/27/15 13:06	7439-96-5	
Nickel	**11.4**	mg/kg	1.1	0.14	1	10/21/15 12:31	10/27/15 13:06	7440-02-0	
Potassium	**2360**	mg/kg	109	8.9	1	10/21/15 12:31	10/27/15 13:06	7440-09-7	
Selenium	**<0.84**	mg/kg	2.2	0.84	1	10/21/15 12:31	10/27/15 13:06	7782-49-2	
Silver	**<0.30**	mg/kg	1.1	0.30	1	10/21/15 12:31	10/27/15 13:06	7440-22-4	
Sodium	**640**	mg/kg	109	4.2	1	10/21/15 12:31	10/27/15 13:06	7440-23-5	
Thallium	**<0.89**	mg/kg	4.3	0.89	1	10/21/15 12:31	10/27/15 13:06	7440-28-0	
Vanadium	**26.2**	mg/kg	1.1	0.22	1	10/21/15 12:31	10/27/15 13:06	7440-62-2	
Zinc	**44.9**	mg/kg	4.3	0.42	1	10/21/15 12:31	10/27/15 13:06	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 13:12	7440-38-2	
Barium	**0.017J**	mg/L	0.10	0.00052	1	10/27/15 09:45	10/28/15 13:12	7440-39-3	
Beryllium	**<0.00017**	mg/L	0.0010	0.00017	1	10/27/15 09:45	10/27/15 17:55	7440-41-7	
Cadmium	**<0.00056**	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/28/15 13:12	7440-43-9	
Chromium	**0.0047J**	mg/L	0.0050	0.00096	1	10/27/15 09:45	10/27/15 17:55	7440-47-3	
Cobalt	**0.0010J**	mg/L	0.0050	0.00080	1	10/27/15 09:45	10/27/15 17:55	7440-48-4	B
Copper	**0.015**	mg/L	0.010	0.00083	1	10/27/15 09:45	10/28/15 13:12	7440-50-8	B
Iron	**2.1**	mg/L	0.050	0.0090	1	10/27/15 09:45	10/28/15 13:12	7439-89-6	
Lead	**0.0031J**	mg/L	0.0050	0.0019	1	10/27/15 09:45	10/27/15 17:55	7439-92-1	
Manganese	**0.045**	mg/L	0.0050	0.0024	1	10/27/15 09:45	10/27/15 17:55	7439-96-5	
Nickel	**0.0031J**	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 17:55	7440-02-0	B
Selenium	**<0.0058**	mg/L	0.015	0.0058	1	10/27/15 09:45	10/27/15 17:55	7782-49-2	
Silver	**<0.0011**	mg/L	0.0070	0.0011	1	10/27/15 09:45	10/27/15 17:55	7440-22-4	
Zinc	**0.013J**	mg/L	0.050	0.0026	1	10/27/15 09:45	10/27/15 17:55	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	**0.0076J**	mg/L	0.050	0.0045	1	10/27/15 09:45	10/27/15 16:59	7440-38-2	B
Barium	**0.46**	mg/L	0.25	0.00052	1	10/27/15 09:45	10/27/15 16:59	7440-39-3	
Beryllium	**<0.00017**	mg/L	0.0050	0.00017	1	10/27/15 09:45	10/27/15 16:59	7440-41-7	
Cadmium	**0.0020J**	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 16:59	7440-43-9	B

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: BP16-2 (0-5)-101515 **Lab ID: 40122963010** Collected: 10/15/15 11:05 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; 10/25/15 00:00								
Chromium	**0.0020J**	mg/L	0.010	0.00096	1	10/27/15 09:45	10/27/15 16:59	7440-47-3	B
Cobalt	**<0.00080**	mg/L	0.010	0.00080	1	10/27/15 09:45	10/27/15 16:59	7440-48-4	
Copper	**0.0079J**	mg/L	0.020	0.00083	1	10/27/15 09:45	10/28/15 12:16	7440-50-8	B
Iron	**0.0094J**	mg/L	0.10	0.0090	1	10/27/15 09:45	10/28/15 12:16	7439-89-6	B
Lead	**<0.0019**	mg/L	0.050	0.0019	1	10/27/15 09:45	10/27/15 16:59	7439-92-1	
Manganese	**0.35**	mg/L	0.010	0.0024	1	10/27/15 09:45	10/27/15 16:59	7439-96-5	
Nickel	**0.0053J**	mg/L	0.010	0.00056	1	10/27/15 09:45	10/27/15 16:59	7440-02-0	B
Selenium	**<0.0058**	mg/L	0.050	0.0058	1	10/27/15 09:45	10/27/15 16:59	7782-49-2	
Silver	**<0.0011**	mg/L	0.010	0.0011	1	10/27/15 09:45	10/27/15 16:59	7440-22-4	
Zinc	**0.050J**	mg/L	0.25	0.0026	1	10/27/15 09:45	10/27/15 16:59	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 16:48	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 15:46	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.026**	mg/kg	0.010	0.0028	1	10/26/15 10:45	10/26/15 17:40	7439-97-6	B
8270 MSSV FULL LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<66.9**	ug/kg	223	66.9	1	10/21/15 12:17	10/22/15 14:55	83-32-9	
Acenaphthylene	**<67.3**	ug/kg	224	67.3	1	10/21/15 12:17	10/22/15 14:55	208-96-8	
Anthracene	**<30.2**	ug/kg	101	30.2	1	10/21/15 12:17	10/22/15 14:55	120-12-7	
Benzo(a)anthracene	**73.8J**	ug/kg	97.5	29.2	1	10/21/15 12:17	10/22/15 14:55	56-55-3	
Benzo(a)pyrene	**106**	ug/kg	94.7	28.4	1	10/21/15 12:17	10/22/15 14:55	50-32-8	
Benzo(b)fluoranthene	**119**	ug/kg	108	32.4	1	10/21/15 12:17	10/22/15 14:55	205-99-2	
Benzo(g,h,i)perylene	**107J**	ug/kg	165	49.4	1	10/21/15 12:17	10/22/15 14:55	191-24-2	
Benzo(k)fluoranthene	**83.7J**	ug/kg	151	45.2	1	10/21/15 12:17	10/22/15 14:55	207-08-9	
4-Bromophenylphenyl ether	**<39.5**	ug/kg	132	39.5	1	10/21/15 12:17	10/22/15 14:55	101-55-3	
Butylbenzylphthalate	**<30.3**	ug/kg	101	30.3	1	10/21/15 12:17	10/22/15 14:55	85-68-7	
Carbazole	**<29.6**	ug/kg	98.5	29.6	1	10/21/15 12:17	10/22/15 14:55	86-74-8	
4-Chloro-3-methylphenol	**<58.7**	ug/kg	196	58.7	1	10/21/15 12:17	10/22/15 14:55	59-50-7	
4-Chloroaniline	**<31.0**	ug/kg	103	31.0	1	10/21/15 12:17	10/22/15 14:55	106-47-8	
bis(2-Chloroethoxy)methane	**<50.8**	ug/kg	169	50.8	1	10/21/15 12:17	10/22/15 14:55	111-91-1	
bis(2-Chloroethyl) ether	**<58.9**	ug/kg	196	58.9	1	10/21/15 12:17	10/22/15 14:55	111-44-4	
2-Chloronaphthalene	**<24.2**	ug/kg	80.8	24.2	1	10/21/15 12:17	10/22/15 14:55	91-58-7	
2-Chlorophenol	**<47.1**	ug/kg	157	47.1	1	10/21/15 12:17	10/22/15 14:55	95-57-8	
4-Chlorophenylphenyl ether	**<35.2**	ug/kg	117	35.2	1	10/21/15 12:17	10/22/15 14:55	7005-72-3	
Chrysene	**97.2**	ug/kg	94.1	28.2	1	10/21/15 12:17	10/22/15 14:55	218-01-9	
Dibenz(a,h)anthracene	**<51.3**	ug/kg	171	51.3	1	10/21/15 12:17	10/22/15 14:55	53-70-3	
Dibenzofuran	**<22.9**	ug/kg	76.2	22.9	1	10/21/15 12:17	10/22/15 14:55	132-64-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
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(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: BP16-2 (0-5)-101515 **Lab ID: 40122963010** Collected: 10/15/15 11:05 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								
1,2-Dichlorobenzene	**<59.4**	ug/kg	198	59.4	1	10/21/15 12:17	10/22/15 14:55	95-50-1	
1,3-Dichlorobenzene	**<26.1**	ug/kg	87.1	26.1	1	10/21/15 12:17	10/22/15 14:55	541-73-1	
1,4-Dichlorobenzene	**<26.3**	ug/kg	87.7	26.3	1	10/21/15 12:17	10/22/15 14:55	106-46-7	
3,3'-Dichlorobenzidine	**<51.2**	ug/kg	171	51.2	1	10/21/15 12:17	10/22/15 14:55	91-94-1	
2,4-Dichlorophenol	**<50.4**	ug/kg	168	50.4	1	10/21/15 12:17	10/22/15 14:55	120-83-2	
Diethylphthalate	**<31.3**	ug/kg	104	31.3	1	10/21/15 12:17	10/22/15 14:55	84-66-2	
2,4-Dimethylphenol	**<37.3**	ug/kg	124	37.3	1	10/21/15 12:17	10/22/15 14:55	105-67-9	
Dimethylphthalate	**<24.6**	ug/kg	81.9	24.6	1	10/21/15 12:17	10/22/15 14:55	131-11-3	
Di-n-butylphthalate	**<28.2**	ug/kg	94.1	28.2	1	10/21/15 12:17	10/22/15 14:55	84-74-2	
4,6-Dinitro-2-methylphenol	**<58.2**	ug/kg	194	58.2	1	10/21/15 12:17	10/22/15 14:55	534-52-1	
2,4-Dinitrophenol	**<57.5**	ug/kg	192	57.5	1	10/21/15 12:17	10/22/15 14:55	51-28-5	
2,4-Dinitrotoluene	**<27.0**	ug/kg	90.0	27.0	1	10/21/15 12:17	10/22/15 14:55	121-14-2	
2,6-Dinitrotoluene	**<35.8**	ug/kg	119	35.8	1	10/21/15 12:17	10/22/15 14:55	606-20-2	
Di-n-octylphthalate	**<42.4**	ug/kg	141	42.4	1	10/21/15 12:17	10/22/15 14:55	117-84-0	
bis(2-Ethylhexyl)phthalate	**<31.4**	ug/kg	105	31.4	1	10/21/15 12:17	10/22/15 14:55	117-81-7	
Fluoranthene	**142**	ug/kg	89.0	26.7	1	10/21/15 12:17	10/22/15 14:55	206-44-0	
Fluorene	**<22.1**	ug/kg	73.5	22.1	1	10/21/15 12:17	10/22/15 14:55	86-73-7	
Hexachloro-1,3-butadiene	**<48.1**	ug/kg	160	48.1	1	10/21/15 12:17	10/22/15 14:55	87-68-3	
Hexachlorobenzene	**<31.7**	ug/kg	106	31.7	1	10/21/15 12:17	10/22/15 14:55	118-74-1	
Hexachlorocyclopentadiene	**<44.7**	ug/kg	149	44.7	1	10/21/15 12:17	10/22/15 14:55	77-47-4	
Hexachloroethane	**<30.2**	ug/kg	101	30.2	1	10/21/15 12:17	10/22/15 14:55	67-72-1	
Indeno(1,2,3-cd)pyrene	**82.4J**	ug/kg	136	40.8	1	10/21/15 12:17	10/22/15 14:55	193-39-5	
Isophorone	**<29.0**	ug/kg	96.7	29.0	1	10/21/15 12:17	10/22/15 14:55	78-59-1	
2-Methylnaphthalene	**<49.0**	ug/kg	163	49.0	1	10/21/15 12:17	10/22/15 14:55	91-57-6	
2-Methylphenol(o-Cresol)	**<34.3**	ug/kg	114	34.3	1	10/21/15 12:17	10/22/15 14:55	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<34.6**	ug/kg	115	34.6	1	10/21/15 12:17	10/22/15 14:55		
Naphthalene	**<66.0**	ug/kg	220	66.0	1	10/21/15 12:17	10/22/15 14:55	91-20-3	
2-Nitroaniline	**<53.8**	ug/kg	179	53.8	1	10/21/15 12:17	10/22/15 14:55	88-74-4	
3-Nitroaniline	**<32.1**	ug/kg	107	32.1	1	10/21/15 12:17	10/22/15 14:55	99-09-2	
4-Nitroaniline	**<78.4**	ug/kg	261	78.4	1	10/21/15 12:17	10/22/15 14:55	100-01-6	
Nitrobenzene	**<38.3**	ug/kg	128	38.3	1	10/21/15 12:17	10/22/15 14:55	98-95-3	
2-Nitrophenol	**<59.6**	ug/kg	199	59.6	1	10/21/15 12:17	10/22/15 14:55	88-75-5	
4-Nitrophenol	**<47.5**	ug/kg	158	47.5	1	10/21/15 12:17	10/22/15 14:55	100-02-7	
N-Nitroso-di-n-propylamine	**<29.9**	ug/kg	99.8	29.9	1	10/21/15 12:17	10/22/15 14:55	621-64-7	
N-Nitrosodiphenylamine	**<256**	ug/kg	854	256	1	10/21/15 12:17	10/22/15 14:55	86-30-6	
2,2'-Oxybis(1-chloropropane)	**<48.7**	ug/kg	162	48.7	1	10/21/15 12:17	10/22/15 14:55	108-60-1	
Pentachlorophenol	**<41.6**	ug/kg	139	41.6	1	10/21/15 12:17	10/22/15 14:55	87-86-5	
Phenanthrene	**47.8J**	ug/kg	80.7	24.2	1	10/21/15 12:17	10/22/15 14:55	85-01-8	
Phenol	**<44.8**	ug/kg	149	44.8	1	10/21/15 12:17	10/22/15 14:55	108-95-2	
Pyrene	**119J**	ug/kg	139	41.8	1	10/21/15 12:17	10/22/15 14:55	129-00-0	
1,2,4-Trichlorobenzene	**<21.3**	ug/kg	71.1	21.3	1	10/21/15 12:17	10/22/15 14:55	120-82-1	
2,4,5-Trichlorophenol	**<33.3**	ug/kg	111	33.3	1	10/21/15 12:17	10/22/15 14:55	95-95-4	
2,4,6-Trichlorophenol	**<28.8**	ug/kg	95.9	28.8	1	10/21/15 12:17	10/22/15 14:55	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	68	%	45-130		1	10/21/15 12:17	10/22/15 14:55	4165-60-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: BP16-2 (0-5)-101515 **Lab ID: 40122963010** Collected: 10/15/15 11:05 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									
2-Fluorobiphenyl (S)	66	%	51-130		1	10/21/15 12:17	10/22/15 14:55	321-60-8	
Terphenyl-d14 (S)	66	%	37-134		1	10/21/15 12:17	10/22/15 14:55	1718-51-0	
Phenol-d6 (S)	55	%	36-130		1	10/21/15 12:17	10/22/15 14:55	13127-88-3	
2-Fluorophenol (S)	57	%	37-130		1	10/21/15 12:17	10/22/15 14:55	367-12-4	
2,4,6-Tribromophenol (S)	62	%	30-130		1	10/21/15 12:17	10/22/15 14:55	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 13:14	67-64-1	2q
Benzene	**<1.4**	ug/kg	4.2	1.4	1	10/20/15 12:00	10/20/15 13:14	71-43-2	
Bromodichloromethane	**<0.93**	ug/kg	4.2	0.93	1	10/20/15 12:00	10/20/15 13:14	75-27-4	
Bromoform	**<0.72**	ug/kg	4.2	0.72	1	10/20/15 12:00	10/20/15 13:14	75-25-2	
Bromomethane	**<1.3**	ug/kg	8.5	1.3	1	10/20/15 12:00	10/20/15 13:14	74-83-9	
2-Butanone (MEK)	**<2.4**	ug/kg	16.9	2.4	1	10/20/15 12:00	10/20/15 13:14	78-93-3	
Carbon disulfide	**<1.1**	ug/kg	4.2	1.1	1	10/20/15 12:00	10/20/15 13:14	75-15-0	
Carbon tetrachloride	**<1.3**	ug/kg	4.2	1.3	1	10/20/15 12:00	10/20/15 13:14	56-23-5	
Chlorobenzene	**<1.3**	ug/kg	4.2	1.3	1	10/20/15 12:00	10/20/15 13:14	108-90-7	
Chloroethane	**<1.7**	ug/kg	4.2	1.7	1	10/20/15 12:00	10/20/15 13:14	75-00-3	
Chloroform	**<0.80**	ug/kg	4.2	0.80	1	10/20/15 12:00	10/20/15 13:14	67-66-3	
Chloromethane	**<0.47**	ug/kg	4.2	0.47	1	10/20/15 12:00	10/20/15 13:14	74-87-3	
Dibromochloromethane	**<1.4**	ug/kg	4.2	1.4	1	10/20/15 12:00	10/20/15 13:14	124-48-1	
1,1-Dichloroethane	**<2.0**	ug/kg	4.2	2.0	1	10/20/15 12:00	10/20/15 13:14	75-34-3	
1,2-Dichloroethane	**<0.83**	ug/kg	4.2	0.83	1	10/20/15 12:00	10/20/15 13:14	107-06-2	
1,1-Dichloroethene	**<1.9**	ug/kg	4.2	1.9	1	10/20/15 12:00	10/20/15 13:14	75-35-4	
cis-1,2-Dichloroethene	**<1.1**	ug/kg	4.2	1.1	1	10/20/15 12:00	10/20/15 13:14	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/kg	4.2	1.0	1	10/20/15 12:00	10/20/15 13:14	156-60-5	
1,2-Dichloropropane	**<1.1**	ug/kg	4.2	1.1	1	10/20/15 12:00	10/20/15 13:14	78-87-5	
cis-1,3-Dichloropropene	**<0.56**	ug/kg	4.2	0.56	1	10/20/15 12:00	10/20/15 13:14	10061-01-5	
trans-1,3-Dichloropropene	**<0.78**	ug/kg	4.2	0.78	1	10/20/15 12:00	10/20/15 13:14	10061-02-6	
Ethylbenzene	**<1.2**	ug/kg	4.2	1.2	1	10/20/15 12:00	10/20/15 13:14	100-41-4	
2-Hexanone	**<1.3**	ug/kg	4.2	1.3	1	10/20/15 12:00	10/20/15 13:14	591-78-6	
Methylene Chloride	**<1.6**	ug/kg	4.2	1.6	1	10/20/15 12:00	10/20/15 13:14	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 13:14	108-10-1	
Methyl-tert-butyl ether	**<0.85**	ug/kg	4.2	0.85	1	10/20/15 12:00	10/20/15 13:14	1634-04-4	
Styrene	**<0.64**	ug/kg	4.2	0.64	1	10/20/15 12:00	10/20/15 13:14	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 13:14	79-34-5	
Tetrachloroethene	**<1.3**	ug/kg	4.2	1.3	1	10/20/15 12:00	10/20/15 13:14	127-18-4	
Toluene	**<1.3**	ug/kg	4.2	1.3	1	10/20/15 12:00	10/20/15 13:14	108-88-3	
1,1,1-Trichloroethane	**<1.3**	ug/kg	4.2	1.3	1	10/20/15 12:00	10/20/15 13:14	71-55-6	
1,1,2-Trichloroethane	**<1.6**	ug/kg	4.2	1.6	1	10/20/15 12:00	10/20/15 13:14	79-00-5	
Trichloroethene	**<1.6**	ug/kg	4.2	1.6	1	10/20/15 12:00	10/20/15 13:14	79-01-6	
Vinyl chloride	**<0.46**	ug/kg	4.2	0.46	1	10/20/15 12:00	10/20/15 13:14	75-01-4	
Xylene (Total)	**<3.8**	ug/kg	12.7	3.8	1	10/20/15 12:00	10/20/15 13:14	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	114	%	70-130		1	10/20/15 12:00	10/20/15 13:14	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: BP16-2 (0-5)-101515 **Lab ID: 40122963010** Collected: 10/15/15 11:05 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
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	109	%	67-138		1	10/20/15 12:00	10/20/15 13:14	2037-26-5	
4-Bromofluorobenzene (S)	96	%	68-130		1	10/20/15 12:00	10/20/15 13:14	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.6**	%	0.10	0.10	1		10/16/15 17:31		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.65**	Std. Units	0.100	0.0100	1		10/22/15 11:05		H6

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: BP16-2 (5-10)-101515 **Lab ID: 40122963011** Collected: 10/15/15 11:15 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	10/21/15 12:31	10/27/15 13:09	7440-36-0	
Arsenic	**10.1J**	mg/kg	10.7	3.4	5	10/21/15 12:31	10/25/15 12:17	7440-38-2	D3
Barium	**45.9**	mg/kg	0.53	0.13	1	10/21/15 12:31	10/27/15 13:09	7440-39-3	
Beryllium	**0.38J**	mg/kg	0.43	0.040	1	10/21/15 12:31	10/27/15 13:09	7440-41-7	
Cadmium	**<0.071**	mg/kg	0.53	0.071	1	10/21/15 12:31	10/27/15 13:09	7440-43-9	
Calcium	**119000**	mg/kg	534	14.6	5	10/21/15 12:31	10/25/15 12:17	7440-70-2	
Chromium	**20.4**	mg/kg	0.53	0.21	1	10/21/15 12:31	10/27/15 13:09	7440-47-3	
Cobalt	**4.6**	mg/kg	0.53	0.10	1	10/21/15 12:31	10/27/15 13:09	7440-48-4	
Copper	**12.5**	mg/kg	1.1	0.17	1	10/21/15 12:31	10/27/15 13:09	7440-50-8	
Iron	**15400**	mg/kg	10.7	1.8	1	10/21/15 12:31	10/27/15 13:09	7439-89-6	
Lead	**10.5**	mg/kg	1.1	0.46	1	10/21/15 12:31	10/27/15 13:09	7439-92-1	
Magnesium	**68400**	mg/kg	534	28.9	5	10/21/15 12:31	10/25/15 12:17	7439-95-4	
Manganese	**656**	mg/kg	0.53	0.054	1	10/21/15 12:31	10/27/15 13:09	7439-96-5	
Nickel	**14.5**	mg/kg	1.1	0.14	1	10/21/15 12:31	10/27/15 13:09	7440-02-0	
Potassium	**2620**	mg/kg	107	8.8	1	10/21/15 12:31	10/27/15 13:09	7440-09-7	
Selenium	**<0.82**	mg/kg	2.1	0.82	1	10/21/15 12:31	10/27/15 13:09	7782-49-2	
Silver	**<0.30**	mg/kg	1.1	0.30	1	10/21/15 12:31	10/27/15 13:09	7440-22-4	
Sodium	**541**	mg/kg	107	4.1	1	10/21/15 12:31	10/27/15 13:09	7440-23-5	
Thallium	**<0.88**	mg/kg	4.3	0.88	1	10/21/15 12:31	10/27/15 13:09	7440-28-0	
Vanadium	**32.2**	mg/kg	1.1	0.22	1	10/21/15 12:31	10/27/15 13:09	7440-62-2	
Zinc	**32.8**	mg/kg	4.3	0.41	1	10/21/15 12:31	10/27/15 13:09	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 13:18	7440-38-2	
Barium	**0.016J**	mg/L	0.10	0.00052	1	10/27/15 09:45	10/28/15 13:18	7440-39-3	
Beryllium	**<0.00017**	mg/L	0.0010	0.00017	1	10/27/15 09:45	10/27/15 18:01	7440-41-7	
Cadmium	**<0.00056**	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/28/15 13:18	7440-43-9	
Chromium	**0.0040J**	mg/L	0.0050	0.00096	1	10/27/15 09:45	10/28/15 13:18	7440-47-3	
Cobalt	**<0.00080**	mg/L	0.0050	0.00080	1	10/27/15 09:45	10/27/15 18:01	7440-48-4	
Copper	**0.0071J**	mg/L	0.010	0.00083	1	10/27/15 09:45	10/28/15 13:18	7440-50-8	B
Iron	**2.3**	mg/L	0.050	0.0090	1	10/27/15 09:45	10/28/15 13:18	7439-89-6	
Lead	**0.0023J**	mg/L	0.0050	0.0019	1	10/27/15 09:45	10/27/15 18:01	7439-92-1	
Manganese	**0.041**	mg/L	0.0050	0.0024	1	10/27/15 09:45	10/27/15 18:01	7439-96-5	
Nickel	**0.0040J**	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 18:01	7440-02-0	B
Selenium	**<0.0058**	mg/L	0.015	0.0058	1	10/27/15 09:45	10/27/15 18:01	7782-49-2	
Silver	**<0.0011**	mg/L	0.0070	0.0011	1	10/27/15 09:45	10/28/15 13:18	7440-22-4	
Zinc	**0.012J**	mg/L	0.050	0.0026	1	10/27/15 09:45	10/27/15 18:01	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	**0.0087J**	mg/L	0.050	0.0045	1	10/27/15 09:45	10/27/15 17:01	7440-38-2	B
Barium	**0.26**	mg/L	0.25	0.00052	1	10/27/15 09:45	10/27/15 17:01	7440-39-3	
Beryllium	**<0.00017**	mg/L	0.0050	0.00017	1	10/27/15 09:45	10/27/15 17:01	7440-41-7	
Cadmium	**0.0020J**	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 17:01	7440-43-9	B

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: BP16-2 (5-10)-101515 **Lab ID: 40122963011** Collected: 10/15/15 11:15 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	**<0.00096**	mg/L	0.010	0.00096	1	10/27/15 09:45	10/27/15 17:01	7440-47-3	
Cobalt	**0.00096J**	mg/L	0.010	0.00080	1	10/27/15 09:45	10/27/15 17:01	7440-48-4	
Copper	**0.0084J**	mg/L	0.020	0.00083	1	10/27/15 09:45	10/28/15 12:18	7440-50-8	B
Iron	**0.011J**	mg/L	0.10	0.0090	1	10/27/15 09:45	10/28/15 12:18	7439-89-6	B
Lead	**<0.0019**	mg/L	0.050	0.0019	1	10/27/15 09:45	10/27/15 17:01	7439-92-1	
Manganese	**1.4**	mg/L	0.010	0.0024	1	10/27/15 09:45	10/27/15 17:01	7439-96-5	
Nickel	**0.012**	mg/L	0.010	0.00056	1	10/27/15 09:45	10/27/15 17:01	7440-02-0	B
Selenium	**0.011J**	mg/L	0.050	0.0058	1	10/27/15 09:45	10/27/15 17:01	7782-49-2	B
Silver	**<0.0011**	mg/L	0.010	0.0011	1	10/27/15 09:45	10/27/15 17:01	7440-22-4	
Zinc	**0.026J**	mg/L	0.25	0.0026	1	10/27/15 09:45	10/27/15 17:01	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 16:51	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 15:49	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.011**	mg/kg	0.010	0.0028	1	10/26/15 10:45	10/26/15 17:42	7439-97-6	B
8270 MSSV FULL LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<66.9**	ug/kg	223	66.9	1	10/21/15 12:17	10/22/15 17:25	83-32-9	
Acenaphthylene	**<67.2**	ug/kg	224	67.2	1	10/21/15 12:17	10/22/15 17:25	208-96-8	
Anthracene	**<30.1**	ug/kg	100	30.1	1	10/21/15 12:17	10/22/15 17:25	120-12-7	
Benzo(a)anthracene	**<29.2**	ug/kg	97.3	29.2	1	10/21/15 12:17	10/22/15 17:25	56-55-3	
Benzo(a)pyrene	**<28.4**	ug/kg	94.5	28.4	1	10/21/15 12:17	10/22/15 17:25	50-32-8	
Benzo(b)fluoranthene	**<32.4**	ug/kg	108	32.4	1	10/21/15 12:17	10/22/15 17:25	205-99-2	
Benzo(g,h,i)perylene	**<49.3**	ug/kg	164	49.3	1	10/21/15 12:17	10/22/15 17:25	191-24-2	
Benzo(k)fluoranthene	**<45.1**	ug/kg	150	45.1	1	10/21/15 12:17	10/22/15 17:25	207-08-9	
4-Bromophenylphenyl ether	**<39.5**	ug/kg	132	39.5	1	10/21/15 12:17	10/22/15 17:25	101-55-3	
Butylbenzylphthalate	**<30.2**	ug/kg	101	30.2	1	10/21/15 12:17	10/22/15 17:25	85-68-7	
Carbazole	**<29.5**	ug/kg	98.4	29.5	1	10/21/15 12:17	10/22/15 17:25	86-74-8	
4-Chloro-3-methylphenol	**<58.7**	ug/kg	196	58.7	1	10/21/15 12:17	10/22/15 17:25	59-50-7	
4-Chloroaniline	**<31.0**	ug/kg	103	31.0	1	10/21/15 12:17	10/22/15 17:25	106-47-8	
bis(2-Chloroethoxy)methane	**<50.8**	ug/kg	169	50.8	1	10/21/15 12:17	10/22/15 17:25	111-91-1	
bis(2-Chloroethyl) ether	**<58.9**	ug/kg	196	58.9	1	10/21/15 12:17	10/22/15 17:25	111-44-4	
2-Chloronaphthalene	**<24.2**	ug/kg	80.7	24.2	1	10/21/15 12:17	10/22/15 17:25	91-58-7	
2-Chlorophenol	**<47.1**	ug/kg	157	47.1	1	10/21/15 12:17	10/22/15 17:25	95-57-8	
4-Chlorophenylphenyl ether	**<35.1**	ug/kg	117	35.1	1	10/21/15 12:17	10/22/15 17:25	7005-72-3	
Chrysene	**<28.2**	ug/kg	94.0	28.2	1	10/21/15 12:17	10/22/15 17:25	218-01-9	
Dibenz(a,h)anthracene	**<51.2**	ug/kg	171	51.2	1	10/21/15 12:17	10/22/15 17:25	53-70-3	
Dibenzofuran	**<22.8**	ug/kg	76.1	22.8	1	10/21/15 12:17	10/22/15 17:25	132-64-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: BP16-2 (5-10)-101515 **Lab ID: 40122963011** Collected: 10/15/15 11:15 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	**<59.3**	ug/kg	198	59.3	1	10/21/15 12:17	10/22/15 17:25	95-50-1	
1,3-Dichlorobenzene	**<26.1**	ug/kg	87.0	26.1	1	10/21/15 12:17	10/22/15 17:25	541-73-1	
1,4-Dichlorobenzene	**<26.3**	ug/kg	87.5	26.3	1	10/21/15 12:17	10/22/15 17:25	106-46-7	
3,3'-Dichlorobenzidine	**<51.1**	ug/kg	170	51.1	1	10/21/15 12:17	10/22/15 17:25	91-94-1	
2,4-Dichlorophenol	**<50.4**	ug/kg	168	50.4	1	10/21/15 12:17	10/22/15 17:25	120-83-2	
Diethylphthalate	**<31.3**	ug/kg	104	31.3	1	10/21/15 12:17	10/22/15 17:25	84-66-2	
2,4-Dimethylphenol	**<37.3**	ug/kg	124	37.3	1	10/21/15 12:17	10/22/15 17:25	105-67-9	
Dimethylphthalate	**<24.5**	ug/kg	81.7	24.5	1	10/21/15 12:17	10/22/15 17:25	131-11-3	
Di-n-butylphthalate	**<28.2**	ug/kg	93.9	28.2	1	10/21/15 12:17	10/22/15 17:25	84-74-2	
4,6-Dinitro-2-methylphenol	**<58.1**	ug/kg	194	58.1	1	10/21/15 12:17	10/22/15 17:25	534-52-1	
2,4-Dinitrophenol	**<57.4**	ug/kg	191	57.4	1	10/21/15 12:17	10/22/15 17:25	51-28-5	
2,4-Dinitrotoluene	**<27.0**	ug/kg	89.9	27.0	1	10/21/15 12:17	10/22/15 17:25	121-14-2	
2,6-Dinitrotoluene	**<35.8**	ug/kg	119	35.8	1	10/21/15 12:17	10/22/15 17:25	606-20-2	
Di-n-octylphthalate	**<42.4**	ug/kg	141	42.4	1	10/21/15 12:17	10/22/15 17:25	117-84-0	
bis(2-Ethylhexyl)phthalate	**<31.3**	ug/kg	104	31.3	1	10/21/15 12:17	10/22/15 17:25	117-81-7	
Fluoranthene	**<26.7**	ug/kg	88.9	26.7	1	10/21/15 12:17	10/22/15 17:25	206-44-0	
Fluorene	**<22.0**	ug/kg	73.4	22.0	1	10/21/15 12:17	10/22/15 17:25	86-73-7	
Hexachloro-1,3-butadiene	**<48.0**	ug/kg	160	48.0	1	10/21/15 12:17	10/22/15 17:25	87-68-3	
Hexachlorobenzene	**<31.7**	ug/kg	106	31.7	1	10/21/15 12:17	10/22/15 17:25	118-74-1	
Hexachlorocyclopentadiene	**<44.6**	ug/kg	149	44.6	1	10/21/15 12:17	10/22/15 17:25	77-47-4	R1
Hexachloroethane	**<30.2**	ug/kg	101	30.2	1	10/21/15 12:17	10/22/15 17:25	67-72-1	
Indeno(1,2,3-cd)pyrene	**<40.8**	ug/kg	136	40.8	1	10/21/15 12:17	10/22/15 17:25	193-39-5	
Isophorone	**<29.0**	ug/kg	96.6	29.0	1	10/21/15 12:17	10/22/15 17:25	78-59-1	
2-Methylnaphthalene	**<48.9**	ug/kg	163	48.9	1	10/21/15 12:17	10/22/15 17:25	91-57-6	
2-Methylphenol(o-Cresol)	**<34.2**	ug/kg	114	34.2	1	10/21/15 12:17	10/22/15 17:25	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 17:25		
Naphthalene	**<65.9**	ug/kg	220	65.9	1	10/21/15 12:17	10/22/15 17:25	91-20-3	
2-Nitroaniline	**<53.7**	ug/kg	179	53.7	1	10/21/15 12:17	10/22/15 17:25	88-74-4	
3-Nitroaniline	**<32.1**	ug/kg	107	32.1	1	10/21/15 12:17	10/22/15 17:25	99-09-2	
4-Nitroaniline	**<78.2**	ug/kg	261	78.2	1	10/21/15 12:17	10/22/15 17:25	100-01-6	
Nitrobenzene	**<38.2**	ug/kg	127	38.2	1	10/21/15 12:17	10/22/15 17:25	98-95-3	
2-Nitrophenol	**<59.5**	ug/kg	198	59.5	1	10/21/15 12:17	10/22/15 17:25	88-75-5	
4-Nitrophenol	**<47.5**	ug/kg	158	47.5	1	10/21/15 12:17	10/22/15 17:25	100-02-7	
N-Nitroso-di-n-propylamine	**<29.9**	ug/kg	99.7	29.9	1	10/21/15 12:17	10/22/15 17:25	621-64-7	
N-Nitrosodiphenylamine	**<256**	ug/kg	853	256	1	10/21/15 12:17	10/22/15 17:25	86-30-6	
2,2'-Oxybis(1-chloropropane)	**<48.6**	ug/kg	162	48.6	1	10/21/15 12:17	10/22/15 17:25	108-60-1	
Pentachlorophenol	**<41.5**	ug/kg	138	41.5	1	10/21/15 12:17	10/22/15 17:25	87-86-5	
Phenanthrene	**<24.2**	ug/kg	80.6	24.2	1	10/21/15 12:17	10/22/15 17:25	85-01-8	
Phenol	**<44.7**	ug/kg	149	44.7	1	10/21/15 12:17	10/22/15 17:25	108-95-2	
Pyrene	**<41.8**	ug/kg	139	41.8	1	10/21/15 12:17	10/22/15 17:25	129-00-0	
1,2,4-Trichlorobenzene	**<21.3**	ug/kg	71.0	21.3	1	10/21/15 12:17	10/22/15 17:25	120-82-1	
2,4,5-Trichlorophenol	**<33.3**	ug/kg	111	33.3	1	10/21/15 12:17	10/22/15 17:25	95-95-4	
2,4,6-Trichlorophenol	**<28.7**	ug/kg	95.8	28.7	1	10/21/15 12:17	10/22/15 17:25	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	79	%	45-130		1	10/21/15 12:17	10/22/15 17:25	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: BP16-2 (5-10)-101515 **Lab ID: 40122963011** Collected: 10/15/15 11:15 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									
2-Fluorobiphenyl (S)	72	%	51-130		1	10/21/15 12:17	10/22/15 17:25	321-60-8	
Terphenyl-d14 (S)	77	%	37-134		1	10/21/15 12:17	10/22/15 17:25	1718-51-0	
Phenol-d6 (S)	69	%	36-130		1	10/21/15 12:17	10/22/15 17:25	13127-88-3	
2-Fluorophenol (S)	69	%	37-130		1	10/21/15 12:17	10/22/15 17:25	367-12-4	
2,4,6-Tribromophenol (S)	80	%	30-130		1	10/21/15 12:17	10/22/15 17:25	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	10/20/15 12:00	10/20/15 13:37	67-64-1	2q
Benzene	**<1.2**	ug/kg	3.6	1.2	1	10/20/15 12:00	10/20/15 13:37	71-43-2	
Bromodichloromethane	**<0.79**	ug/kg	3.6	0.79	1	10/20/15 12:00	10/20/15 13:37	75-27-4	
Bromoform	**<0.61**	ug/kg	3.6	0.61	1	10/20/15 12:00	10/20/15 13:37	75-25-2	
Bromomethane	**<1.1**	ug/kg	7.2	1.1	1	10/20/15 12:00	10/20/15 13:37	74-83-9	
2-Butanone (MEK)	**<2.0**	ug/kg	14.4	2.0	1	10/20/15 12:00	10/20/15 13:37	78-93-3	
Carbon disulfide	**<0.93**	ug/kg	3.6	0.93	1	10/20/15 12:00	10/20/15 13:37	75-15-0	
Carbon tetrachloride	**<1.1**	ug/kg	3.6	1.1	1	10/20/15 12:00	10/20/15 13:37	56-23-5	
Chlorobenzene	**<1.1**	ug/kg	3.6	1.1	1	10/20/15 12:00	10/20/15 13:37	108-90-7	
Chloroethane	**<1.4**	ug/kg	3.6	1.4	1	10/20/15 12:00	10/20/15 13:37	75-00-3	
Chloroform	**<0.68**	ug/kg	3.6	0.68	1	10/20/15 12:00	10/20/15 13:37	67-66-3	
Chloromethane	**<0.40**	ug/kg	3.6	0.40	1	10/20/15 12:00	10/20/15 13:37	74-87-3	
Dibromochloromethane	**<1.2**	ug/kg	3.6	1.2	1	10/20/15 12:00	10/20/15 13:37	124-48-1	
1,1-Dichloroethane	**<1.7**	ug/kg	3.6	1.7	1	10/20/15 12:00	10/20/15 13:37	75-34-3	
1,2-Dichloroethane	**<0.70**	ug/kg	3.6	0.70	1	10/20/15 12:00	10/20/15 13:37	107-06-2	
1,1-Dichloroethene	**<1.6**	ug/kg	3.6	1.6	1	10/20/15 12:00	10/20/15 13:37	75-35-4	
cis-1,2-Dichloroethene	**<0.95**	ug/kg	3.6	0.95	1	10/20/15 12:00	10/20/15 13:37	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/kg	3.6	0.89	1	10/20/15 12:00	10/20/15 13:37	156-60-5	
1,2-Dichloropropane	**<0.91**	ug/kg	3.6	0.91	1	10/20/15 12:00	10/20/15 13:37	78-87-5	
cis-1,3-Dichloropropene	**<0.48**	ug/kg	3.6	0.48	1	10/20/15 12:00	10/20/15 13:37	10061-01-5	
trans-1,3-Dichloropropene	**<0.67**	ug/kg	3.6	0.67	1	10/20/15 12:00	10/20/15 13:37	10061-02-6	
Ethylbenzene	**<1.0**	ug/kg	3.6	1.0	1	10/20/15 12:00	10/20/15 13:37	100-41-4	
2-Hexanone	**<1.1**	ug/kg	3.6	1.1	1	10/20/15 12:00	10/20/15 13:37	591-78-6	
Methylene Chloride	**<1.3**	ug/kg	3.6	1.3	1	10/20/15 12:00	10/20/15 13:37	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	**<0.88**	ug/kg	3.6	0.88	1	10/20/15 12:00	10/20/15 13:37	108-10-1	
Methyl-tert-butyl ether	**<0.72**	ug/kg	3.6	0.72	1	10/20/15 12:00	10/20/15 13:37	1634-04-4	
Styrene	**<0.55**	ug/kg	3.6	0.55	1	10/20/15 12:00	10/20/15 13:37	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 13:37	79-34-5	
Tetrachloroethene	**<1.1**	ug/kg	3.6	1.1	1	10/20/15 12:00	10/20/15 13:37	127-18-4	
Toluene	**<1.1**	ug/kg	3.6	1.1	1	10/20/15 12:00	10/20/15 13:37	108-88-3	
1,1,1-Trichloroethane	**<1.1**	ug/kg	3.6	1.1	1	10/20/15 12:00	10/20/15 13:37	71-55-6	
1,1,2-Trichloroethane	**<1.4**	ug/kg	3.6	1.4	1	10/20/15 12:00	10/20/15 13:37	79-00-5	
Trichloroethene	**<1.4**	ug/kg	3.6	1.4	1	10/20/15 12:00	10/20/15 13:37	79-01-6	
Vinyl chloride	**<0.39**	ug/kg	3.6	0.39	1	10/20/15 12:00	10/20/15 13:37	75-01-4	
Xylene (Total)	**<3.2**	ug/kg	10.8	3.2	1	10/20/15 12:00	10/20/15 13:37	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	113	%	70-130		1	10/20/15 12:00	10/20/15 13:37	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: BP16-2 (5-10)-101515 **Lab ID: 40122963011** Collected: 10/15/15 11:15 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)	114	%	67-138		1	10/20/15 12:00	10/20/15 13:37	2037-26-5	
4-Bromofluorobenzene (S)	85	%	68-130		1	10/20/15 12:00	10/20/15 13:37	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.5**	%	0.10	0.10	1		10/16/15 17:31		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.58**	Std. Units	0.100	0.0100	1		10/22/15 11:05		H6

REPORT OF LABORATORY ANALYSIS

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

Pace Analytical®
www.pacelabs.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

(Please Print Clearly)	
Company Name:	EDE
Branch/Location:	
Project Contact:	Patricia/Colin
Phone:	
Project Number:	0295.020
Project Name:	FAESS
Project State:	
Sampled By (Print):	Colin Parrish
Sampled By (Sign):	
PO #:	Regulatory Program:

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

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	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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	VOCs	SVOCs	Total Metals	TCLP Metals	SPLP Metals	pH	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	VL17-1(0-5)-101515	10/15/15	0850	Soil			X	X	X	X	X	X		3-40mlv EEF 3-4oz jar	
002	VL17-1(5-9)-101515	10/15/15	0900												
003	VL17-2(0-5)-101515		0920												
004	VL17-2(5-9)-101515		0930												
005	VL17-3(0-5)-101515		0945												
006	VL17-3(5-9)-101515		0955												
007	BP16-1(0-5)-101515		1020												
008	BP16-1(0-5)-101515D		1025												
009	BP16-1(5-9)-101515		1040												
010	BP16-2(0-5)-101515		1105												
011	BP16-2(5-10)-101515		1115												
012	SR-19(0-4)-101515		1140				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:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	10/15/15 1552	Brian Krzyzanski	10/15/15 1552
Brian Krzyzanski	10/15/15 1720	CH Aycock	10/15/15
CS Logistics	10/16/15 0830	Pace Pan	10/16/15 0830

PACE Project No.

Receipt Temp = 3.0 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

(Please Print Clearly)

Company Name:	EDI
Branch/Location:	
Project Contact:	Patricia/Colin
Phone:	
Project Number:	0295.020
Project Name:	FAISS
Project State:	
Sampled By (Print):	Colin Runnels
Sampled By (Sign):	[signature]
PO #:	
Regulatory Program:	

Pace Analytical®

www.pacelabs.com

CHAIN OF CUSTODY

UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

Page 1 of

40122963

*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

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

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

FILTERED? (YES/NO) — Y/N

PRESERVATION (CODE)* — Pick Letter

Analyses Requested

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	VOCs	SVOCs	Total Metals	TCLP Metals	SPLP Metals	pH			CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
013	PG-2(0-7)-101515	10/15/15	1230	Soil	X	X	X	X	X	X				3-40mlv EEF	3-4oz A
014	PG-3(0-5)-101515	↓	1240	↓	↓	↓	↓	↓	↓	↓				↓	↓
015	PG-3(5-9)-101515		1250												
016	PG-4(0-7)-101515		1310												
017	AL2-5(0-5)-101515		1330												
018	AL2-5(5-9)-101515		1340												
019	AL2-4(0-5)-101515		1430												
020	AL2-4(5-9)-101515		1440												
021	AL1-7(0-4)-101515		1500												
022	AL1-7(0-4)-101515D		1505		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:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	10/15/15 1552	Brian Kryzymski	10/15/15 1552
Brian Kryzymski	10/15/15 1730	CS Logistic	10/15/15
CS Logistics	10/16/15 0830	[signature] Pace Pace	10/16/15 0830

PACE Project No.

Receipt Temp = 3.0 °C

Sample Receipt pH
OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

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: 500-83013-1
Client Project/Site: IDOT - Channahon - WO 085

For:
Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. S. Babusukumar

Jodie Bracken

Authorized for release by:
9/10/2014 5:08:36 PM
Jodie Bracken, Project Management Assistant II
jodie.bracken@testamericainc.com

Designee for

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: BP-1(0-7)-082614
Date Collected: 08/26/14 12:50
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-17
Matrix: Solid
Percent Solids: 91.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.4		5.4	2.4	ug/Kg	☼		08/29/14 03:36	1
Benzene	<5.4		5.4	0.75	ug/Kg	☼		08/29/14 03:36	1
Bromodichloromethane	<5.4		5.4	0.94	ug/Kg	☼		08/29/14 03:36	1
Bromoform	<5.4		5.4	1.3	ug/Kg	☼		08/29/14 03:36	1
Bromomethane	<5.4		5.4	1.6	ug/Kg	☼		08/29/14 03:36	1
Carbon disulfide	<5.4		5.4	0.81	ug/Kg	☼		08/29/14 03:36	1
Carbon tetrachloride	<5.4		5.4	0.99	ug/Kg	☼		08/29/14 03:36	1
Chlorobenzene	<5.4		5.4	0.55	ug/Kg	☼		08/29/14 03:36	1
Chloroethane	<5.4		5.4	1.5	ug/Kg	☼		08/29/14 03:36	1
Chloroform	<5.4		5.4	0.63	ug/Kg	☼		08/29/14 03:36	1
Chloromethane	<5.4		5.4	1.1	ug/Kg	☼		08/29/14 03:36	1
cis-1,2-Dichloroethene	<5.4		5.4	0.77	ug/Kg	☼		08/29/14 03:36	1
cis-1,3-Dichloropropene	<5.4		5.4	0.71	ug/Kg	☼		08/29/14 03:36	1
Dibromochloromethane	<5.4		5.4	0.95	ug/Kg	☼		08/29/14 03:36	1
1,1-Dichloroethane	<5.4		5.4	0.86	ug/Kg	☼		08/29/14 03:36	1
1,2-Dichloroethane	<5.4		5.4	0.81	ug/Kg	☼		08/29/14 03:36	1
1,1-Dichloroethene	<5.4		5.4	0.88	ug/Kg	☼		08/29/14 03:36	1
1,2-Dichloropropane	<5.4		5.4	0.83	ug/Kg	☼		08/29/14 03:36	1
1,3-Dichloropropene, Total	<5.4		5.4	0.71	ug/Kg	☼		08/29/14 03:36	1
Ethylbenzene	<5.4		5.4	1.1	ug/Kg	☼		08/29/14 03:36	1
2-Hexanone	<5.4		5.4	1.6	ug/Kg	☼		08/29/14 03:36	1
Methylene Chloride	<5.4		5.4	1.5	ug/Kg	☼		08/29/14 03:36	1
Methyl Ethyl Ketone	<5.4		5.4	2.0	ug/Kg	☼		08/29/14 03:36	1
methyl isobutyl ketone	<5.4		5.4	1.4	ug/Kg	☼		08/29/14 03:36	1
Methyl tert-butyl ether	<5.4		5.4	0.90	ug/Kg	☼		08/29/14 03:36	1
Styrene	<5.4		5.4	0.71	ug/Kg	☼		08/29/14 03:36	1
1,1,2,2-Tetrachloroethane	<5.4		5.4	1.1	ug/Kg	☼		08/29/14 03:36	1
Tetrachloroethene	<5.4		5.4	0.83	ug/Kg	☼		08/29/14 03:36	1
Toluene	<5.4		5.4	0.76	ug/Kg	☼		08/29/14 03:36	1
trans-1,2-Dichloroethene	<5.4		5.4	0.75	ug/Kg	☼		08/29/14 03:36	1
trans-1,3-Dichloropropene	<5.4		5.4	0.97	ug/Kg	☼		08/29/14 03:36	1
1,1,1-Trichloroethane	<5.4		5.4	0.81	ug/Kg	☼		08/29/14 03:36	1
1,1,2-Trichloroethane	<5.4		5.4	0.74	ug/Kg	☼		08/29/14 03:36	1
Trichloroethene	<5.4		5.4	0.90	ug/Kg	☼		08/29/14 03:36	1
Vinyl chloride	<5.4		5.4	1.1	ug/Kg	☼		08/29/14 03:36	1
Xylenes, Total	<11		11	0.49	ug/Kg	☼		08/29/14 03:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 122*		*08/29/14 03:36*	*1*
Dibromofluoromethane	*97*		*75 - 120*		*08/29/14 03:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*		*08/29/14 03:36*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*08/29/14 03:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<860		860	180	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
1,2-Dichlorobenzene	<860		860	200	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
1,3-Dichlorobenzene	<860		860	190	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
1,4-Dichlorobenzene	<860		860	220	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
2,2'-oxybis[1-chloropropane]	<860		860	200	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: BP-1(0-7)-082614
Date Collected: 08/26/14 12:50
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-17
Matrix: Solid
Percent Solids: 91.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1700		1700	390	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
2,4,6-Trichlorophenol	<1700		1700	590	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
2,4-Dichlorophenol	<1700		1700	410	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
2,4-Dimethylphenol	<1700		1700	650	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
2,4-Dinitrophenol	<3400		3400	3000	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
2,4-Dinitrotoluene	<860		860	270	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
2,6-Dinitrotoluene	<860		860	340	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
2-Chloronaphthalene	<860		860	190	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
2-Chlorophenol	<860		860	290	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
2-Methylnaphthalene	<170		170	31	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
2-Methylphenol	<860		860	270	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
2-Nitroaniline	<860		860	230	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
2-Nitrophenol	<1700		1700	400	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
3 & 4 Methylphenol	<860		860	290	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
3,3'-Dichlorobenzidine	<860		860	240	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
3-Nitroaniline	<1700		1700	530	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
4,6-Dinitro-2-methylphenol	<1700		1700	1400	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
4-Bromophenyl phenyl ether	<860		860	230	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
4-Chloro-3-methylphenol	<1700		1700	580	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
4-Chloroaniline	<3400		3400	800	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
4-Chlorophenyl phenyl ether	<860		860	200	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
4-Nitroaniline	<1700		1700	720	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
4-Nitrophenol	<3400		3400	1600	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Acenaphthene	<170		170	31	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Acenaphthylene	<170		170	23	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Anthracene	<170		170	29	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Benzo[a]anthracene	**71**	**J**	170	23	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Benzo[a]pyrene	**68**	**J**	170	33	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Benzo[b]fluoranthene	**84**	**J**	170	37	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Benzo[g,h,i]perylene	<170		170	55	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Benzo[k]fluoranthene	**52**	**J**	170	50	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Bis(2-chloroethoxy)methane	<860		860	170	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Bis(2-chloroethyl)ether	<860		860	260	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Bis(2-ethylhexyl) phthalate	<860		860	310	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Butyl benzyl phthalate	<860		860	330	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Carbazole	<860		860	440	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Chrysene	**93**	**J**	170	47	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Dibenz(a,h)anthracene	<170		170	33	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Dibenzofuran	<860		860	200	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Diethyl phthalate	<860		860	290	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Dimethyl phthalate	<860		860	220	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Di-n-butyl phthalate	<860		860	260	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Di-n-octyl phthalate	<860		860	280	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Fluoranthene	**230**		170	32	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Fluorene	<170		170	24	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Hexachlorobenzene	<340		340	40	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Hexachlorobutadiene	<860		860	270	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Hexachlorocyclopentadiene	<3400		3400	980	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Hexachloroethane	<860		860	260	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: BP-1(0-7)-082614
Date Collected: 08/26/14 12:50
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-17
Matrix: Solid
Percent Solids: 91.9

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	<170		170	44	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Isophorone	<860		860	190	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Naphthalene	<170		170	26	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Nitrobenzene	<170		170	43	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
N-Nitrosodi-n-propylamine	<860		860	210	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
N-Nitrosodiphenylamine	<860		860	200	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Pentachlorophenol	<3400		3400	2700	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Phenanthrene	**160**	**J**	170	24	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Phenol	<860		860	380	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5
Pyrene	**210**		170	34	ug/Kg	☼	09/03/14 16:55	09/08/14 19:36	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*75*		*35 - 137*	*09/03/14 16:55*	*09/08/14 19:36*	*5*
2-Fluorobiphenyl	*77*		*25 - 119*	*09/03/14 16:55*	*09/08/14 19:36*	*5*
2-Fluorophenol	*81*		*25 - 110*	*09/03/14 16:55*	*09/08/14 19:36*	*5*
Nitrobenzene-d5	*65*		*25 - 115*	*09/03/14 16:55*	*09/08/14 19:36*	*5*
Phenol-d5	*80*		*31 - 110*	*09/03/14 16:55*	*09/08/14 19:36*	*5*
Terphenyl-d14	*95*		*36 - 134*	*09/03/14 16:55*	*09/08/14 19:36*	*5*

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		09/06/14 08:35	09/08/14 18:45	1
Barium	**0.28**	**J**	0.50	0.050	mg/L		09/06/14 08:35	09/08/14 18:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 08:35	09/08/14 18:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 08:35	09/08/14 18:45	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:45	1
Cobalt	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:45	1
Copper	**0.024**	**J**	0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:45	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 08:35	09/08/14 18:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 08:35	09/08/14 18:45	1
Manganese	**1.0**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:45	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:45	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 18:45	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:45	1
Zinc	**0.20**		0.10	0.020	mg/L		09/06/14 08:35	09/08/14 18:45	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 08:30	09/05/14 01:14	1
Barium	**0.11**	**J**	0.50	0.050	mg/L		09/04/14 08:30	09/05/14 01:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/05/14 01:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/05/14 01:14	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:14	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:14	1
Copper	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:14	1
Iron	**0.22**		0.20	0.20	mg/L		09/04/14 08:30	09/05/14 01:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:30	09/05/14 01:14	1
Manganese	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:14	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:14	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 01:14	1

Client Sample ID: BP-1(0-7)-082614
Date Collected: 08/26/14 12:50
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-17
Matrix: Solid

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 08:30	09/05/14 01:14	1
Zinc	**0.13**	**B**	0.10	0.020	mg/L		09/04/14 08:30	09/05/14 01:14	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	☼	09/04/14 09:40	09/05/14 05:13	1
Arsenic	**3.3**		0.54	0.11	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Barium	**9.4**		0.54	0.058	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Beryllium	**0.17**	**J**	0.22	0.043	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Cadmium	**0.21**		0.11	0.014	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Calcium	**160000**	**B**	110	29	mg/Kg	☼	09/08/14 18:00	09/09/14 22:38	10
Chromium	**5.0**		0.54	0.062	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Cobalt	**2.7**		0.27	0.054	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Copper	**7.5**		0.54	0.11	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Iron	**8700**		110	44	mg/Kg	☼	09/08/14 18:00	09/09/14 22:38	10
Lead	**3.6**		0.27	0.080	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Magnesium	**89000**	**B**	53	11	mg/Kg	☼	09/08/14 18:00	09/09/14 22:38	10
Manganese	**310**		0.54	0.11	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Nickel	**6.0**		0.54	0.11	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Potassium	**1100**		27	1.6	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Selenium	<0.54		0.54	0.19	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Silver	**0.034**	**J B**	0.27	0.019	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Sodium	**430**		54	7.2	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Thallium	**0.27**	**J**	0.54	0.23	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Vanadium	**7.7**	**B**	0.27	0.040	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	1
Zinc	**16**		1.1	0.22	mg/Kg	☼	09/04/14 09:40	09/05/14 05:13	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		09/08/14 12:00	09/09/14 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 13:15	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	**8.5**	**J**	17	6.8	ug/Kg	☼	09/04/14 15:00	09/05/14 11:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.67**		0.200	0.200	SU			08/29/14 19:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: BP-1(7-15)-082614
Date Collected: 08/26/14 12:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-18
Matrix: Solid
Percent Solids: 93.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.3		5.3	2.3	ug/Kg	☼		08/29/14 04:00	1
Benzene	<5.3		5.3	0.73	ug/Kg	☼		08/29/14 04:00	1
Bromodichloromethane	<5.3		5.3	0.92	ug/Kg	☼		08/29/14 04:00	1
Bromoform	<5.3		5.3	1.2	ug/Kg	☼		08/29/14 04:00	1
Bromomethane	<5.3		5.3	1.6	ug/Kg	☼		08/29/14 04:00	1
Carbon disulfide	<5.3		5.3	0.80	ug/Kg	☼		08/29/14 04:00	1
Carbon tetrachloride	<5.3		5.3	0.97	ug/Kg	☼		08/29/14 04:00	1
Chlorobenzene	<5.3		5.3	0.54	ug/Kg	☼		08/29/14 04:00	1
Chloroethane	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 04:00	1
Chloroform	<5.3		5.3	0.61	ug/Kg	☼		08/29/14 04:00	1
Chloromethane	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 04:00	1
cis-1,2-Dichloroethene	<5.3		5.3	0.75	ug/Kg	☼		08/29/14 04:00	1
cis-1,3-Dichloropropene	<5.3		5.3	0.70	ug/Kg	☼		08/29/14 04:00	1
Dibromochloromethane	<5.3		5.3	0.93	ug/Kg	☼		08/29/14 04:00	1
1,1-Dichloroethane	<5.3		5.3	0.84	ug/Kg	☼		08/29/14 04:00	1
1,2-Dichloroethane	<5.3		5.3	0.79	ug/Kg	☼		08/29/14 04:00	1
1,1-Dichloroethene	<5.3		5.3	0.86	ug/Kg	☼		08/29/14 04:00	1
1,2-Dichloropropane	<5.3		5.3	0.81	ug/Kg	☼		08/29/14 04:00	1
1,3-Dichloropropene, Total	<5.3		5.3	0.70	ug/Kg	☼		08/29/14 04:00	1
Ethylbenzene	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 04:00	1
2-Hexanone	<5.3		5.3	1.5	ug/Kg	☼		08/29/14 04:00	1
Methylene Chloride	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 04:00	1
Methyl Ethyl Ketone	<5.3		5.3	1.9	ug/Kg	☼		08/29/14 04:00	1
methyl isobutyl ketone	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 04:00	1
Methyl tert-butyl ether	<5.3		5.3	0.88	ug/Kg	☼		08/29/14 04:00	1
Styrene	<5.3		5.3	0.70	ug/Kg	☼		08/29/14 04:00	1
1,1,2,2-Tetrachloroethane	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 04:00	1
Tetrachloroethene	<5.3		5.3	0.81	ug/Kg	☼		08/29/14 04:00	1
Toluene	<5.3		5.3	0.75	ug/Kg	☼		08/29/14 04:00	1
trans-1,2-Dichloroethene	<5.3		5.3	0.73	ug/Kg	☼		08/29/14 04:00	1
trans-1,3-Dichloropropene	<5.3		5.3	0.96	ug/Kg	☼		08/29/14 04:00	1
1,1,1-Trichloroethane	<5.3		5.3	0.80	ug/Kg	☼		08/29/14 04:00	1
1,1,2-Trichloroethane	<5.3		5.3	0.73	ug/Kg	☼		08/29/14 04:00	1
Trichloroethene	<5.3		5.3	0.88	ug/Kg	☼		08/29/14 04:00	1
Vinyl chloride	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 04:00	1
Xylenes, Total	<11		11	0.48	ug/Kg	☼		08/29/14 04:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 122*		*08/29/14 04:00*	*1*
Dibromofluoromethane	*102*		*75 - 120*		*08/29/14 04:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 134*		*08/29/14 04:00*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*08/29/14 04:00*	*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	☼	09/03/14 16:55	09/08/14 17:16	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
1,3-Dichlorobenzene	<180		180	39	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
2,2'-oxybis[1-chloropropane]	<180		180	40	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: BP-1(7-15)-082614
Date Collected: 08/26/14 12:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-18
Matrix: Solid
Percent Solids: 93.8

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	80	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
2,4-Dichlorophenol	<350		350	83	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
2,4-Dinitrophenol	<700		700	610	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
2,4-Dinitrotoluene	<180		180	55	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
2-Methylnaphthalene	<35		35	6.4	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
2-Methylphenol	<180		180	56	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
2-Nitrophenol	<350		350	82	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
3 & 4 Methylphenol	<180		180	58	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
4,6-Dinitro-2-methylphenol	<350		350	280	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
4-Chloroaniline	<700		700	160	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
4-Nitrophenol	<700		700	330	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Acenaphthylene	<35		35	4.6	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Anthracene	<35		35	5.8	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Benzo[a]anthracene	**8.9**	**J**	35	4.7	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Benzo[a]pyrene	**8.2**	**J**	35	6.8	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Benzo[b]fluoranthene	**11**	**J**	35	7.5	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Benzo[g,h,i]perylene	<35		35	11	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Benzo[k]fluoranthene	<35		35	10	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Bis(2-chloroethyl)ether	<180		180	52	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Bis(2-ethylhexyl) phthalate	<180		180	64	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Butyl benzyl phthalate	<180		180	66	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Carbazole	<180		180	90	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Chrysene	**12**	**J**	35	9.5	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Dibenz(a,h)anthracene	<35		35	6.7	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Dibenzofuran	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Diethyl phthalate	<180		180	59	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Di-n-butyl phthalate	<180		180	53	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Di-n-octyl phthalate	<180		180	57	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Fluoranthene	**27**	**J**	35	6.5	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Fluorene	<35		35	4.9	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Hexachlorobenzene	<70		70	8.1	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Hexachlorocyclopentadiene	<700		700	200	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Hexachloroethane	<180		180	53	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: BP-1(7-15)-082614
Date Collected: 08/26/14 12:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-18
Matrix: Solid
Percent Solids: 93.8

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	<35		35	9.0	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Isophorone	<180		180	39	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Naphthalene	<35		35	5.4	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Nitrobenzene	<35		35	8.7	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
N-Nitrosodi-n-propylamine	<180		180	43	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
N-Nitrosodiphenylamine	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Pentachlorophenol	<700		700	560	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Phenanthrene	**18**	**J**	35	4.9	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Phenol	<180		180	78	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1
Pyrene	**24**	**J**	35	6.9	ug/Kg	☼	09/03/14 16:55	09/08/14 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*47*		*35 - 137*	*09/03/14 16:55*	*09/08/14 17:16*	*1*
2-Fluorobiphenyl	*45*		*25 - 119*	*09/03/14 16:55*	*09/08/14 17:16*	*1*
2-Fluorophenol	*45*		*25 - 110*	*09/03/14 16:55*	*09/08/14 17:16*	*1*
Nitrobenzene-d5	*40*		*25 - 115*	*09/03/14 16:55*	*09/08/14 17:16*	*1*
Phenol-d5	*45*		*31 - 110*	*09/03/14 16:55*	*09/08/14 17:16*	*1*
Terphenyl-d14	*56*		*36 - 134*	*09/03/14 16:55*	*09/08/14 17:16*	*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		09/06/14 08:35	09/08/14 18:51	1
Barium	**0.28**	**J**	0.50	0.050	mg/L		09/06/14 08:35	09/08/14 18:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 08:35	09/08/14 18:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 08:35	09/08/14 18:51	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:51	1
Cobalt	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:51	1
Copper	**0.044**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:51	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 08:35	09/08/14 18:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 08:35	09/08/14 18:51	1
Manganese	**1.2**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:51	1
Nickel	**0.014**	**J**	0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:51	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 18:51	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:51	1
Zinc	**0.20**		0.10	0.020	mg/L		09/06/14 08:35	09/08/14 18:51	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 08:30	09/05/14 01:18	1
Barium	**0.097**	**J**	0.50	0.050	mg/L		09/04/14 08:30	09/05/14 01:18	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/05/14 01:18	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/05/14 01:18	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:18	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:18	1
Copper	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:18	1
Iron	<0.20		0.20	0.20	mg/L		09/04/14 08:30	09/05/14 01:18	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:30	09/05/14 01:18	1
Manganese	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:18	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:18	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 01:18	1

Client Sample ID: BP-1(7-15)-082614
Date Collected: 08/26/14 12:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-18
Matrix: Solid

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 08:30	09/05/14 01:18	1
Zinc	**0.13**	**B**	0.10	0.020	mg/L		09/04/14 08:30	09/05/14 01:18	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	☼	09/04/14 09:40	09/05/14 05:19	1
Arsenic	**2.7**		0.50	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Barium	**9.7**		0.50	0.054	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Beryllium	**0.27**		0.20	0.040	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Cadmium	**0.28**		0.10	0.013	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Calcium	**150000**	**B**	100	27	mg/Kg	☼	09/08/14 18:00	09/09/14 22:42	10
Chromium	**6.9**		0.50	0.058	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Cobalt	**3.3**		0.25	0.050	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Copper	**7.2**		0.50	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Iron	**5100**		100	41	mg/Kg	☼	09/08/14 18:00	09/09/14 22:42	10
Lead	**3.1**		0.25	0.075	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Magnesium	**84000**	**B**	50	10	mg/Kg	☼	09/08/14 18:00	09/09/14 22:42	10
Manganese	**360**		0.50	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Nickel	**6.1**		0.50	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Potassium	**1100**		25	1.5	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Selenium	<0.50		0.50	0.18	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Silver	**0.019**	**J B**	0.25	0.018	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Sodium	**660**		50	6.8	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Thallium	**0.32**	**J**	0.50	0.21	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Vanadium	**9.7**	**B**	0.25	0.037	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	1
Zinc	**16**		1.0	0.20	mg/Kg	☼	09/04/14 09:40	09/05/14 05:19	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		09/08/14 12:00	09/09/14 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 13:17	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		17	6.6	ug/Kg	☼	09/04/14 15:00	09/05/14 11:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.63**		0.200	0.200	SU			08/29/14 19:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: BP-1(7-15)-082614D
Date Collected: 08/26/14 12:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-19
Matrix: Solid
Percent Solids: 94.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.3		5.3	2.3	ug/Kg	☼		08/29/14 04:24	1
Benzene	<5.3		5.3	0.72	ug/Kg	☼		08/29/14 04:24	1
Bromodichloromethane	<5.3		5.3	0.91	ug/Kg	☼		08/29/14 04:24	1
Bromoform	<5.3		5.3	1.2	ug/Kg	☼		08/29/14 04:24	1
Bromomethane	<5.3		5.3	1.6	ug/Kg	☼		08/29/14 04:24	1
Carbon disulfide	<5.3		5.3	0.79	ug/Kg	☼		08/29/14 04:24	1
Carbon tetrachloride	<5.3		5.3	0.96	ug/Kg	☼		08/29/14 04:24	1
Chlorobenzene	<5.3		5.3	0.53	ug/Kg	☼		08/29/14 04:24	1
Chloroethane	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 04:24	1
Chloroform	<5.3		5.3	0.61	ug/Kg	☼		08/29/14 04:24	1
Chloromethane	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 04:24	1
cis-1,2-Dichloroethene	<5.3		5.3	0.75	ug/Kg	☼		08/29/14 04:24	1
cis-1,3-Dichloropropene	<5.3		5.3	0.69	ug/Kg	☼		08/29/14 04:24	1
Dibromochloromethane	<5.3		5.3	0.92	ug/Kg	☼		08/29/14 04:24	1
1,1-Dichloroethane	<5.3		5.3	0.83	ug/Kg	☼		08/29/14 04:24	1
1,2-Dichloroethane	<5.3		5.3	0.78	ug/Kg	☼		08/29/14 04:24	1
1,1-Dichloroethene	<5.3		5.3	0.85	ug/Kg	☼		08/29/14 04:24	1
1,2-Dichloropropane	<5.3		5.3	0.80	ug/Kg	☼		08/29/14 04:24	1
1,3-Dichloropropene, Total	<5.3		5.3	0.69	ug/Kg	☼		08/29/14 04:24	1
Ethylbenzene	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 04:24	1
2-Hexanone	<5.3		5.3	1.5	ug/Kg	☼		08/29/14 04:24	1
Methylene Chloride	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 04:24	1
Methyl Ethyl Ketone	<5.3		5.3	1.9	ug/Kg	☼		08/29/14 04:24	1
methyl isobutyl ketone	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 04:24	1
Methyl tert-butyl ether	<5.3		5.3	0.87	ug/Kg	☼		08/29/14 04:24	1
Styrene	<5.3		5.3	0.69	ug/Kg	☼		08/29/14 04:24	1
1,1,2,2-Tetrachloroethane	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 04:24	1
Tetrachloroethene	<5.3		5.3	0.81	ug/Kg	☼		08/29/14 04:24	1
Toluene	<5.3		5.3	0.74	ug/Kg	☼		08/29/14 04:24	1
trans-1,2-Dichloroethene	<5.3		5.3	0.73	ug/Kg	☼		08/29/14 04:24	1
trans-1,3-Dichloropropene	<5.3		5.3	0.94	ug/Kg	☼		08/29/14 04:24	1
1,1,1-Trichloroethane	<5.3		5.3	0.79	ug/Kg	☼		08/29/14 04:24	1
1,1,2-Trichloroethane	<5.3		5.3	0.72	ug/Kg	☼		08/29/14 04:24	1
Trichloroethene	<5.3		5.3	0.87	ug/Kg	☼		08/29/14 04:24	1
Vinyl chloride	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 04:24	1
Xylenes, Total	<11		11	0.48	ug/Kg	☼		08/29/14 04:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 122*		*08/29/14 04:24*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*08/29/14 04:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*		*08/29/14 04:24*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*08/29/14 04:24*	*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	37	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
1,2-Dichlorobenzene	<170		170	41	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
1,3-Dichlorobenzene	<170		170	39	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
1,4-Dichlorobenzene	<170		170	44	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
2,2'-oxybis[1-chloropropane]	<170		170	40	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: BP-1(7-15)-082614D
Date Collected: 08/26/14 12:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-19
Matrix: Solid
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<340		340	78	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
2,4,6-Trichlorophenol	<340		340	120	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
2,4-Dichlorophenol	<340		340	82	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
2,4-Dimethylphenol	<340		340	130	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
2,4-Dinitrophenol	<690		690	610	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
2,4-Dinitrotoluene	<170		170	55	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
2,6-Dinitrotoluene	<170		170	68	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
2-Chloronaphthalene	<170		170	38	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
2-Chlorophenol	<170		170	59	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
2-Methylnaphthalene	<34		34	6.3	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
2-Methylphenol	<170		170	55	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
2-Nitroaniline	<170		170	46	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
2-Nitrophenol	<340		340	81	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
3 & 4 Methylphenol	<170		170	57	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
3,3'-Dichlorobenzidine	<170		170	48	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
3-Nitroaniline	<340		340	110	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
4,6-Dinitro-2-methylphenol	<340		340	280	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
4-Bromophenyl phenyl ether	<170		170	45	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
4-Chloro-3-methylphenol	<340		340	120	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
4-Chloroaniline	<690		690	160	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
4-Chlorophenyl phenyl ether	<170		170	40	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
4-Nitroaniline	<340		340	140	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
4-Nitrophenol	<690		690	330	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Acenaphthene	<34		34	6.2	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Acenaphthylene	<34		34	4.5	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Anthracene	<34		34	5.7	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Benzo[a]anthracene	**13**	**J**	34	4.6	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Benzo[a]pyrene	**8.9**	**J**	34	6.7	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Benzo[b]fluoranthene	**17**	**J**	34	7.4	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Benzo[g,h,i]perylene	**11**	**J**	34	11	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Benzo[k]fluoranthene	<34		34	10	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Bis(2-chloroethoxy)methane	<170		170	35	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Bis(2-chloroethyl)ether	<170		170	52	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Bis(2-ethylhexyl) phthalate	<170		170	63	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Butyl benzyl phthalate	<170		170	65	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Carbazole	<170		170	89	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Chrysene	**14**	**J**	34	9.4	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Dibenz(a,h)anthracene	<34		34	6.6	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Dibenzofuran	<170		170	40	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Diethyl phthalate	<170		170	58	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Dimethyl phthalate	<170		170	45	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Di-n-butyl phthalate	<170		170	52	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Di-n-octyl phthalate	<170		170	56	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Fluoranthene	**39**		34	6.4	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Fluorene	<34		34	4.8	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Hexachlorobenzene	<69		69	8.0	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Hexachlorobutadiene	<170		170	54	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Hexachlorocyclopentadiene	<690		690	200	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Hexachloroethane	<170		170	52	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: BP-1(7-15)-082614D
Date Collected: 08/26/14 12:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-19
Matrix: Solid
Percent Solids: 94.8

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	<34		34	8.9	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Isophorone	<170		170	39	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Naphthalene	<34		34	5.3	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Nitrobenzene	<34		34	8.6	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
N-Nitrosodi-n-propylamine	<170		170	42	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
N-Nitrosodiphenylamine	<170		170	41	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Pentachlorophenol	<690		690	550	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Phenanthrene	**25**	**J**	34	4.8	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Phenol	<170		170	76	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1
Pyrene	**35**		34	6.8	ug/Kg	☼	09/03/14 16:55	09/09/14 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*65*		*35 - 137*	*09/03/14 16:55*	*09/09/14 17:35*	*1*
2-Fluorobiphenyl	*66*		*25 - 119*	*09/03/14 16:55*	*09/09/14 17:35*	*1*
2-Fluorophenol	*71*		*25 - 110*	*09/03/14 16:55*	*09/09/14 17:35*	*1*
Nitrobenzene-d5	*58*		*25 - 115*	*09/03/14 16:55*	*09/09/14 17:35*	*1*
Phenol-d5	*72*		*31 - 110*	*09/03/14 16:55*	*09/09/14 17:35*	*1*
Terphenyl-d14	*93*		*36 - 134*	*09/03/14 16:55*	*09/09/14 17:35*	*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		09/06/14 08:35	09/08/14 18:58	1
Barium	**0.29**	**J**	0.50	0.050	mg/L		09/06/14 08:35	09/08/14 18:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 08:35	09/08/14 18:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 08:35	09/08/14 18:58	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:58	1
Cobalt	**0.016**	**J**	0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:58	1
Copper	**0.029**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:58	1
Iron	**1.3**		0.20	0.20	mg/L		09/06/14 08:35	09/08/14 18:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 08:35	09/08/14 18:58	1
Manganese	**3.8**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:58	1
Nickel	**0.033**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:58	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 18:58	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:58	1
Zinc	**0.19**	**B**	0.10	0.020	mg/L		09/06/14 08:35	09/08/14 18:58	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 08:30	09/05/14 01:22	1
Barium	<0.50		0.50	0.050	mg/L		09/04/14 08:30	09/05/14 01:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/05/14 01:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/05/14 01:22	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:22	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:22	1
Copper	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:22	1
Iron	<0.20		0.20	0.20	mg/L		09/04/14 08:30	09/05/14 01:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:30	09/05/14 01:22	1
Manganese	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:22	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 01:22	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 01:22	1

Client Sample ID: BP-1(7-15)-082614D
Date Collected: 08/26/14 12:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-19
Matrix: Solid

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 08:30	09/05/14 01:22	1
Zinc	0.020	J B	0.10	0.020	mg/L		09/04/14 08:30	09/05/14 01:22	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<9.7		9.7	3.9	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Arsenic	2.2	J	4.8	0.96	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Barium	11		4.8	0.52	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Beryllium	0.42	J	1.9	0.39	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Cadmium	0.40	J	0.97	0.12	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Calcium	160000	B	97	26	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Chromium	5.9	B	4.8	0.56	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Cobalt	3.0		2.4	0.48	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Copper	7.3		4.8	0.97	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Iron	10000		97	40	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Lead	4.8	B	2.4	0.72	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Magnesium	88000	B	48	10	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Manganese	490		4.8	0.97	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Nickel	8.1		4.8	0.97	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Potassium	670		240	15	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Selenium	<2.4		2.4	0.86	mg/Kg	☼	09/08/14 18:00	09/10/14 13:27	5
Silver	<2.4		2.4	0.18	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Sodium	470	J	480	65	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Thallium	<4.8		4.8	2.0	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Vanadium	8.7		2.4	0.36	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10
Zinc	23		9.7	2.0	mg/Kg	☼	09/08/14 18:00	09/09/14 22:46	10

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		09/08/14 12:00	09/09/14 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 13:18	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	11	J	16	6.3	ug/Kg	☼	09/04/14 15:00	09/05/14 11:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.69		0.200	0.200	SU			08/29/14 19:33	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
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.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside 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.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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: 500-83013-1

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)

Report To
Contact: S. Balasubramanian
Company: Weston
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax:
E-Mail:

(optional)

Bill To
Contact:
Company:
Address:
Address: Same
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-83013

Chain of Custody Number:

Page 2 of 4

Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT-085
Project Location/State: Channahon / IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total metals	TCLP/SPLP metals	PH					Comments
11		SS-3 (0-8)-082614	8-26-14	1000	2	S		X	X	X	X	X					
12		SS-3 (8-16)-082614		1015													
13		SS-1 (0-7)-082614		1130													
14		SS-1 (7-15)-082614		1135													
15		VL-1 (0-7)-082614		1220													
16		VL-1 (7-15)-082614		1225													
17		BP-1 (0-7)-082614		1250													
18		BP-1 (7-15)-082614		1255													
19		BP-1 (7-15)-082614D		1255													
20		BP-2 (0-7)-082614	8-26-14	1325	2	S		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 [X] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

	Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1	Timothy A. Walls	Weston	8-26-14	1600		TA	8-26-14	1600
2		TA	8-26-14	1650		TA	8/27/14	0630
3								

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:

Illinois Environmental Protection Agency

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, incldluding number and street):

24165 Eames Street (ISGS Site No. 693V-17)

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: 41.454362248 Longitude: -88.198407742

(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: 41.454362248 Longitude: -88.198407742

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 VL17-1 AND VL17-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 693V-17. 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: 40122963
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:

Date:

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

Summary Table of ISGS Site No. 693V-17
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	VL17-1 (0-5)-101515	VL17-1 (5-9)-101515	VL17-2 (0-5)-101515	VL17-2 (5-9)-101515	**Soil Reference Concentrations[A]**
Sample Date	10/15/2015	10/15/2015	10/15/2015	10/15/2015	
Location ID	VL17-1	VL17-1	VL17-2	VL17-2	
Depth	0 - 5	5 - 9	0 - 5	5 - 9	
Lab Sample ID	40122963001	40122963002	40122963003	40122963004	
Location Code	693V-17	693V-17	693V-17	693V-17	
Parameter					
Laboratory pH	8.75 J	8.77 J	8.81 J	8.59 J	<6.25, >9.0
VOCs (ug/kg)					
SVOCs (ug/kg)					
Benzo(a)anthracene	28.9 J	ND	64.2 J	ND	900 / 1100 / 1800
Benzo(a)pyrene	32.5 J	ND	60.3 J	ND	90 / 1300 / 2100
Dibenzo(a,h)anthracene	ND	ND	ND	ND	90 / 200 / 420
Total Metals (mg/kg)					
Antimony, Total	ND	0.6 J	ND	0.6 J	5
Barium, Total	33.7	14.5	42.8	16.8	1500
Beryllium, Total	0.14 J	0.068 J	0.23 J	ND	22
Cadmium, Total	ND	ND	ND	ND	5.2
Calcium, Total	158000	136000	135000	183000	---
Chromium, Total	8.2	9.2	11.3	5.9	21
Cobalt, Total	2.6	2.3	3.8	2.5	20
Copper, Total	8.7	7.3	11.2	7	2900
Iron, Total	8400	6630	9100	6980	15000 / 15900
Lead, Total	5.9	3	8.4	2.2	107
Magnesium, Total	88700	77100	75000	79600	325000
Manganese, Total	453	364	374	373	630 / 636
Mercury, Total	ND	ND	ND	ND	0.89
Nickel, Total	7	5.7	8.2	6.7	100
Potassium, Total	1560	1070	2220	1470	---
Selenium, Total	ND	ND	ND	ND	1.3
Silver, Total	ND	ND	ND	ND	4.4
Sodium, Total	454	297	574	282	---
Thallium, Total	ND	ND	ND	ND	2.6
Vanadium, Total	13.8	12.6	19.2	13.4	550
Zinc, Total	24.9	16.1	28.2	10.1	5100
TCLP Metals (mg/l)					
Barium, TCLP	ND	ND	ND	ND	2
Cadmium, TCLP	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	0.011 J	ND	ND	0.1
Cobalt, TCLP	ND	0.015 J	0.0012 J	0.0044 J	1
Copper, TCLP	ND	ND	ND	ND	0.65
Iron, TCLP	ND	0.9 J	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	0.0075
Manganese, TCLP	1.2	2.1	1.6	1.6	0.15
Mercury, TCLP	ND	ND	ND	ND	0.002
Nickel, TCLP	0.0053 J	0.026 J	0.0076 J	0.016 J	0.1
Selenium, TCLP	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	ND	ND	ND	5
SPLP Metals (mg/l)					
Arsenic, SPLP	0.0042 J	ND	0.0049 J	ND	0.05
Barium, SPLP	0.072 J	0.0071 J	0.056 J	0.006 J	2
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	0.0097 J	ND	0.008 J	ND	0.1
Cobalt, SPLP	0.0022 J	ND	0.0023 J	ND	1
Copper, SPLP	0.012	0.0027 J	0.023	0.0024 J	0.65
Iron, SPLP	8.7	ND	7.1	ND	5
Lead, SPLP	0.0053	ND	0.0047 J	ND	0.0075
Manganese, SPLP	0.1	ND	0.1	ND	0.15
Mercury, SPLP	ND	ND	ND	ND	0.002
Nickel, SPLP	0.0077 J	ND	0.0062 J	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	0.05
Zinc, SPLP	0.04	ND	0.034	ND	5

Summary Table of ISGS Site No. 693V-17
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.

Pace Analytical Services, Inc.
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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
laurie.woelfel@pacelabs.com
Project Manager

Enclosures

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

Pace Analytical Services, Inc.
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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

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: VL17-1 (0-5)-101515 **Lab ID: 40122963001** Collected: 10/15/15 08:50 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	**<0.55**	mg/kg	2.0	0.55	1	10/21/15 12:31	10/27/15 12:39	7440-36-0	
Arsenic	**5.7J**	mg/kg	9.8	3.1	5	10/21/15 12:31	10/25/15 11:48	7440-38-2	D3
Barium	**33.7**	mg/kg	0.49	0.12	1	10/21/15 12:31	10/27/15 12:39	7440-39-3	
Beryllium	**0.14J**	mg/kg	0.39	0.037	1	10/21/15 12:31	10/27/15 12:39	7440-41-7	
Cadmium	**<0.065**	mg/kg	0.49	0.065	1	10/21/15 12:31	10/27/15 12:39	7440-43-9	
Calcium	**158000**	mg/kg	489	13.4	5	10/21/15 12:31	10/25/15 11:48	7440-70-2	
Chromium	**8.2**	mg/kg	0.49	0.19	1	10/21/15 12:31	10/27/15 12:39	7440-47-3	
Cobalt	**2.6**	mg/kg	0.49	0.095	1	10/21/15 12:31	10/27/15 12:39	7440-48-4	
Copper	**8.7**	mg/kg	0.98	0.15	1	10/21/15 12:31	10/27/15 12:39	7440-50-8	
Iron	**8400**	mg/kg	9.8	1.6	1	10/21/15 12:31	10/27/15 12:39	7439-89-6	
Lead	**5.9**	mg/kg	0.98	0.42	1	10/21/15 12:31	10/27/15 12:39	7439-92-1	
Magnesium	**88700**	mg/kg	489	26.5	5	10/21/15 12:31	10/25/15 11:48	7439-95-4	
Manganese	**453**	mg/kg	0.49	0.050	1	10/21/15 12:31	10/27/15 12:39	7439-96-5	
Nickel	**7.0**	mg/kg	0.98	0.13	1	10/21/15 12:31	10/27/15 12:39	7440-02-0	
Potassium	**1560**	mg/kg	97.7	8.0	1	10/21/15 12:31	10/27/15 12:39	7440-09-7	
Selenium	**<0.75**	mg/kg	2.0	0.75	1	10/21/15 12:31	10/27/15 12:39	7782-49-2	
Silver	**<0.27**	mg/kg	0.98	0.27	1	10/21/15 12:31	10/27/15 12:39	7440-22-4	
Sodium	**454**	mg/kg	97.7	3.8	1	10/21/15 12:31	10/27/15 12:39	7440-23-5	
Thallium	**<0.80**	mg/kg	3.9	0.80	1	10/21/15 12:31	10/27/15 12:39	7440-28-0	
Vanadium	**13.8**	mg/kg	0.98	0.20	1	10/21/15 12:31	10/27/15 12:39	7440-62-2	
Zinc	**24.9**	mg/kg	3.9	0.38	1	10/21/15 12:31	10/27/15 12:39	7440-66-6	
6010 MET ICP, SPLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 10/22/15 16:00								
Arsenic	**0.0042J**	mg/L	0.010	0.0026	1	10/26/15 08:37	10/26/15 18:26	7440-38-2	
Barium	**0.072J**	mg/L	0.20	0.0037	1	10/26/15 08:37	10/26/15 18:26	7440-39-3	
Beryllium	**<0.00025**	mg/L	0.0050	0.00025	1	10/26/15 08:37	10/26/15 18:26	7440-41-7	
Cadmium	**<0.00027**	mg/L	0.0050	0.00027	1	10/26/15 08:37	10/26/15 18:26	7440-43-9	
Chromium	**0.0097J**	mg/L	0.010	0.0018	1	10/26/15 08:37	10/26/15 18:26	7440-47-3	
Cobalt	**0.0022J**	mg/L	0.010	0.00050	1	10/26/15 08:37	10/26/15 18:26	7440-48-4	
Copper	**0.012**	mg/L	0.010	0.0024	1	10/26/15 08:37	10/26/15 18:26	7440-50-8	
Iron	**8.7**	mg/L	0.050	0.0073	1	10/26/15 08:37	10/26/15 18:26	7439-89-6	
Lead	**0.0053**	mg/L	0.0050	0.00084	1	10/26/15 08:37	10/26/15 18:26	7439-92-1	
Manganese	**0.10**	mg/L	0.010	0.00065	1	10/26/15 08:37	10/26/15 18:26	7439-96-5	
Nickel	**0.0077J**	mg/L	0.040	0.00041	1	10/26/15 08:37	10/26/15 18:26	7440-02-0	
Selenium	**<0.0024**	mg/L	0.020	0.0024	1	10/26/15 08:37	10/26/15 18:26	7782-49-2	
Silver	**<0.00032**	mg/L	0.010	0.00032	1	10/26/15 08:37	10/26/15 18:26	7440-22-4	
Zinc	**0.040**	mg/L	0.020	0.00076	1	10/26/15 08:37	10/26/15 18:26	7440-66-6	
6010 Metals, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 10/22/15 16:00								
Arsenic	**<0.0053**	mg/L	0.20	0.0053	1	10/26/15 07:45	10/26/15 15:43	7440-38-2	
Barium	**0.44J**	mg/L	2.0	0.0010	1	10/26/15 07:45	10/26/15 15:43	7440-39-3	B
Beryllium	**<0.00050**	mg/L	0.20	0.00050	1	10/26/15 07:45	10/26/15 15:43	7440-41-7	
Cadmium	**<0.00054**	mg/L	0.10	0.00054	1	10/26/15 07:45	10/26/15 15:43	7440-43-9	B

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
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(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: VL17-1 (0-5)-101515 **Lab ID: 40122963001** Collected: 10/15/15 08:50 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 Metals, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 10/22/15 16:00								
Chromium	**<0.0037**	mg/L	0.20	0.0037	1	10/26/15 07:45	10/26/15 15:43	7440-47-3	
Cobalt	**<0.0010**	mg/L	0.20	0.0010	1	10/26/15 07:45	10/26/15 15:43	7440-48-4	
Copper	**0.016J**	mg/L	0.20	0.0048	1	10/26/15 07:45	10/26/15 15:43	7440-50-8	B
Iron	**0.022J**	mg/L	1.0	0.015	1	10/26/15 07:45	10/26/15 15:43	7439-89-6	B
Lead	**<0.0017**	mg/L	0.20	0.0017	1	10/26/15 07:45	10/26/15 15:43	7439-92-1	
Manganese	**1.2**	mg/L	0.13	0.0013	1	10/26/15 07:45	10/26/15 15:43	7439-96-5	
Nickel	**0.0053J**	mg/L	0.20	0.00082	1	10/26/15 07:45	10/26/15 15:43	7440-02-0	
Selenium	**0.0080J**	mg/L	0.20	0.0049	1	10/26/15 07:45	10/26/15 15:43	7782-49-2	B
Silver	**<0.00065**	mg/L	0.20	0.00065	1	10/26/15 07:45	10/26/15 15:43	7440-22-4	
Zinc	**0.074J**	mg/L	0.20	0.0015	1	10/26/15 07:45	10/26/15 15:43	7440-66-6	B
7470 Mercury, SPLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1312; 10/22/15 16:00								
Mercury	**<0.000024**	mg/L	0.00020	0.000024	1	10/26/15 08:39	10/26/15 16:10	7439-97-6	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 10/22/15 16:00								
Mercury	**<0.000024**	mg/L	0.00020	0.000024	1	10/26/15 08:28	10/26/15 15:37	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.012**	mg/kg	0.011	0.0029	1	10/26/15 10:45	10/26/15 17:17	7439-97-6	B
8270 MSSV FULL LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<63.4**	ug/kg	211	63.4	1	10/21/15 10:17	10/22/15 15:08	83-32-9	
Acenaphthylene	**<63.8**	ug/kg	213	63.8	1	10/21/15 10:17	10/22/15 15:08	208-96-8	
Anthracene	**<28.6**	ug/kg	95.3	28.6	1	10/21/15 10:17	10/22/15 15:08	120-12-7	
Benzo(a)anthracene	**28.9J**	ug/kg	92.3	27.7	1	10/21/15 10:17	10/22/15 15:08	56-55-3	
Benzo(a)pyrene	**32.5J**	ug/kg	89.7	26.9	1	10/21/15 10:17	10/22/15 15:08	50-32-8	
Benzo(b)fluoranthene	**38.9J**	ug/kg	102	30.7	1	10/21/15 10:17	10/22/15 15:08	205-99-2	
Benzo(g,h,i)perylene	**<46.8**	ug/kg	156	46.8	1	10/21/15 10:17	10/22/15 15:08	191-24-2	
Benzo(k)fluoranthene	**<42.8**	ug/kg	143	42.8	1	10/21/15 10:17	10/22/15 15:08	207-08-9	
4-Bromophenylphenyl ether	**<37.4**	ug/kg	125	37.4	1	10/21/15 10:17	10/22/15 15:08	101-55-3	
Butylbenzylphthalate	**<28.7**	ug/kg	95.6	28.7	1	10/21/15 10:17	10/22/15 15:08	85-68-7	
Carbazole	**<28.0**	ug/kg	93.3	28.0	1	10/21/15 10:17	10/22/15 15:08	86-74-8	
4-Chloro-3-methylphenol	**<55.6**	ug/kg	185	55.6	1	10/21/15 10:17	10/22/15 15:08	59-50-7	
4-Chloroaniline	**<29.4**	ug/kg	97.9	29.4	1	10/21/15 10:17	10/22/15 15:08	106-47-8	
bis(2-Chloroethoxy)methane	**<48.2**	ug/kg	161	48.2	1	10/21/15 10:17	10/22/15 15:08	111-91-1	
bis(2-Chloroethyl) ether	**<55.8**	ug/kg	186	55.8	1	10/21/15 10:17	10/22/15 15:08	111-44-4	
2-Chloronaphthalene	**<23.0**	ug/kg	76.5	23.0	1	10/21/15 10:17	10/22/15 15:08	91-58-7	
2-Chlorophenol	**<44.6**	ug/kg	149	44.6	1	10/21/15 10:17	10/22/15 15:08	95-57-8	
4-Chlorophenylphenyl ether	**<33.3**	ug/kg	111	33.3	1	10/21/15 10:17	10/22/15 15:08	7005-72-3	
Chrysene	**42.0J**	ug/kg	89.1	26.7	1	10/21/15 10:17	10/22/15 15:08	218-01-9	
Dibenz(a,h)anthracene	**<48.6**	ug/kg	162	48.6	1	10/21/15 10:17	10/22/15 15:08	53-70-3	
Dibenzofuran	**<21.6**	ug/kg	72.1	21.6	1	10/21/15 10:17	10/22/15 15:08	132-64-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
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(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: VL17-1 (0-5)-101515 **Lab ID: 40122963001** Collected: 10/15/15 08:50 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	**<56.2**	ug/kg	187	56.2	1	10/21/15 10:17	10/22/15 15:08	95-50-1	
1,3-Dichlorobenzene	**<24.8**	ug/kg	82.5	24.8	1	10/21/15 10:17	10/22/15 15:08	541-73-1	
1,4-Dichlorobenzene	**<24.9**	ug/kg	83.0	24.9	1	10/21/15 10:17	10/22/15 15:08	106-46-7	
3,3'-Dichlorobenzidine	**<48.5**	ug/kg	162	48.5	1	10/21/15 10:17	10/22/15 15:08	91-94-1	
2,4-Dichlorophenol	**<47.8**	ug/kg	159	47.8	1	10/21/15 10:17	10/22/15 15:08	120-83-2	
Diethylphthalate	**<29.6**	ug/kg	98.8	29.6	1	10/21/15 10:17	10/22/15 15:08	84-66-2	
2,4-Dimethylphenol	**<35.4**	ug/kg	118	35.4	1	10/21/15 10:17	10/22/15 15:08	105-67-9	
Dimethylphthalate	**<23.3**	ug/kg	77.5	23.3	1	10/21/15 10:17	10/22/15 15:08	131-11-3	
Di-n-butylphthalate	**<26.7**	ug/kg	89.1	26.7	1	10/21/15 10:17	10/22/15 15:08	84-74-2	
4,6-Dinitro-2-methylphenol	**<55.1**	ug/kg	184	55.1	1	10/21/15 10:17	10/22/15 15:08	534-52-1	
2,4-Dinitrophenol	**<54.5**	ug/kg	182	54.5	1	10/21/15 10:17	10/22/15 15:08	51-28-5	
2,4-Dinitrotoluene	**<25.6**	ug/kg	85.2	25.6	1	10/21/15 10:17	10/22/15 15:08	121-14-2	
2,6-Dinitrotoluene	**<33.9**	ug/kg	113	33.9	1	10/21/15 10:17	10/22/15 15:08	606-20-2	
Di-n-octylphthalate	**<40.2**	ug/kg	134	40.2	1	10/21/15 10:17	10/22/15 15:08	117-84-0	
bis(2-Ethylhexyl)phthalate	**<29.7**	ug/kg	99.1	29.7	1	10/21/15 10:17	10/22/15 15:08	117-81-7	
Fluoranthene	**45.5J**	ug/kg	84.3	25.3	1	10/21/15 10:17	10/22/15 15:08	206-44-0	
Fluorene	**<20.9**	ug/kg	69.7	20.9	1	10/21/15 10:17	10/22/15 15:08	86-73-7	
Hexachloro-1,3-butadiene	**<45.6**	ug/kg	152	45.6	1	10/21/15 10:17	10/22/15 15:08	87-68-3	
Hexachlorobenzene	**<30.1**	ug/kg	100	30.1	1	10/21/15 10:17	10/22/15 15:08	118-74-1	
Hexachlorocyclopentadiene	**<42.3**	ug/kg	141	42.3	1	10/21/15 10:17	10/22/15 15:08	77-47-4	
Hexachloroethane	**<28.6**	ug/kg	95.4	28.6	1	10/21/15 10:17	10/22/15 15:08	67-72-1	
Indeno(1,2,3-cd)pyrene	**<38.7**	ug/kg	129	38.7	1	10/21/15 10:17	10/22/15 15:08	193-39-5	
Isophorone	**<27.5**	ug/kg	91.6	27.5	1	10/21/15 10:17	10/22/15 15:08	78-59-1	
2-Methylnaphthalene	**<46.4**	ug/kg	155	46.4	1	10/21/15 10:17	10/22/15 15:08	91-57-6	
2-Methylphenol(o-Cresol)	**<32.5**	ug/kg	108	32.5	1	10/21/15 10:17	10/22/15 15:08	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<32.8**	ug/kg	109	32.8	1	10/21/15 10:17	10/22/15 15:08		
Naphthalene	**<62.5**	ug/kg	208	62.5	1	10/21/15 10:17	10/22/15 15:08	91-20-3	
2-Nitroaniline	**<51.0**	ug/kg	170	51.0	1	10/21/15 10:17	10/22/15 15:08	88-74-4	
3-Nitroaniline	**<30.4**	ug/kg	101	30.4	1	10/21/15 10:17	10/22/15 15:08	99-09-2	
4-Nitroaniline	**<74.2**	ug/kg	247	74.2	1	10/21/15 10:17	10/22/15 15:08	100-01-6	
Nitrobenzene	**<36.3**	ug/kg	121	36.3	1	10/21/15 10:17	10/22/15 15:08	98-95-3	
2-Nitrophenol	**<56.4**	ug/kg	188	56.4	1	10/21/15 10:17	10/22/15 15:08	88-75-5	
4-Nitrophenol	**<45.0**	ug/kg	150	45.0	1	10/21/15 10:17	10/22/15 15:08	100-02-7	
N-Nitroso-di-n-propylamine	**<28.4**	ug/kg	94.5	28.4	1	10/21/15 10:17	10/22/15 15:08	621-64-7	
N-Nitrosodiphenylamine	**<243**	ug/kg	809	243	1	10/21/15 10:17	10/22/15 15:08	86-30-6	
2,2'-Oxybis(1-chloropropane)	**<46.1**	ug/kg	154	46.1	1	10/21/15 10:17	10/22/15 15:08	108-60-1	
Pentachlorophenol	**<39.4**	ug/kg	131	39.4	1	10/21/15 10:17	10/22/15 15:08	87-86-5	
Phenanthrene	**<22.9**	ug/kg	76.5	22.9	1	10/21/15 10:17	10/22/15 15:08	85-01-8	
Phenol	**<42.4**	ug/kg	141	42.4	1	10/21/15 10:17	10/22/15 15:08	108-95-2	
Pyrene	**85.4J**	ug/kg	132	39.6	1	10/21/15 10:17	10/22/15 15:08	129-00-0	
1,2,4-Trichlorobenzene	**<20.2**	ug/kg	67.4	20.2	1	10/21/15 10:17	10/22/15 15:08	120-82-1	
2,4,5-Trichlorophenol	**<31.6**	ug/kg	105	31.6	1	10/21/15 10:17	10/22/15 15:08	95-95-4	
2,4,6-Trichlorophenol	**<27.3**	ug/kg	90.9	27.3	1	10/21/15 10:17	10/22/15 15:08	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	59	%	45-130		1	10/21/15 10:17	10/22/15 15:08	4165-60-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: VL17-1 (0-5)-101515 **Lab ID: 40122963001** Collected: 10/15/15 08:50 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									
2-Fluorobiphenyl (S)	71	%	51-130		1	10/21/15 10:17	10/22/15 15:08	321-60-8	
Terphenyl-d14 (S)	163	%	37-134		1	10/21/15 10:17	10/22/15 15:08	1718-51-0	S3
Phenol-d6 (S)	71	%	36-130		1	10/21/15 10:17	10/22/15 15:08	13127-88-3	
2-Fluorophenol (S)	51	%	37-130		1	10/21/15 10:17	10/22/15 15:08	367-12-4	
2,4,6-Tribromophenol (S)	77	%	30-130		1	10/21/15 10:17	10/22/15 15:08	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	10/20/15 01:51	67-64-1	2q
Benzene	**<1.2**	ug/kg	3.6	1.2	1	10/19/15 12:00	10/20/15 01:51	71-43-2	
Bromodichloromethane	**<0.79**	ug/kg	3.6	0.79	1	10/19/15 12:00	10/20/15 01:51	75-27-4	
Bromoform	**<0.61**	ug/kg	3.6	0.61	1	10/19/15 12:00	10/20/15 01:51	75-25-2	
Bromomethane	**<1.1**	ug/kg	7.2	1.1	1	10/19/15 12:00	10/20/15 01:51	74-83-9	
2-Butanone (MEK)	**<2.1**	ug/kg	14.5	2.1	1	10/19/15 12:00	10/20/15 01:51	78-93-3	
Carbon disulfide	**<0.94**	ug/kg	3.6	0.94	1	10/19/15 12:00	10/20/15 01:51	75-15-0	
Carbon tetrachloride	**<1.2**	ug/kg	3.6	1.2	1	10/19/15 12:00	10/20/15 01:51	56-23-5	
Chlorobenzene	**<1.1**	ug/kg	3.6	1.1	1	10/19/15 12:00	10/20/15 01:51	108-90-7	
Chloroethane	**<1.5**	ug/kg	3.6	1.5	1	10/19/15 12:00	10/20/15 01:51	75-00-3	
Chloroform	**<0.69**	ug/kg	3.6	0.69	1	10/19/15 12:00	10/20/15 01:51	67-66-3	
Chloromethane	**<0.41**	ug/kg	3.6	0.41	1	10/19/15 12:00	10/20/15 01:51	74-87-3	
Dibromochloromethane	**<1.2**	ug/kg	3.6	1.2	1	10/19/15 12:00	10/20/15 01:51	124-48-1	
1,1-Dichloroethane	**<1.7**	ug/kg	3.6	1.7	1	10/19/15 12:00	10/20/15 01:51	75-34-3	
1,2-Dichloroethane	**<0.71**	ug/kg	3.6	0.71	1	10/19/15 12:00	10/20/15 01:51	107-06-2	
1,1-Dichloroethene	**<1.6**	ug/kg	3.6	1.6	1	10/19/15 12:00	10/20/15 01:51	75-35-4	
cis-1,2-Dichloroethene	**<0.96**	ug/kg	3.6	0.96	1	10/19/15 12:00	10/20/15 01:51	156-59-2	
trans-1,2-Dichloroethene	**<0.90**	ug/kg	3.6	0.90	1	10/19/15 12:00	10/20/15 01:51	156-60-5	
1,2-Dichloropropane	**<0.91**	ug/kg	3.6	0.91	1	10/19/15 12:00	10/20/15 01:51	78-87-5	
cis-1,3-Dichloropropene	**<0.48**	ug/kg	3.6	0.48	1	10/19/15 12:00	10/20/15 01:51	10061-01-5	
trans-1,3-Dichloropropene	**<0.67**	ug/kg	3.6	0.67	1	10/19/15 12:00	10/20/15 01:51	10061-02-6	
Ethylbenzene	**<1.0**	ug/kg	3.6	1.0	1	10/19/15 12:00	10/20/15 01:51	100-41-4	
2-Hexanone	**<1.1**	ug/kg	3.6	1.1	1	10/19/15 12:00	10/20/15 01:51	591-78-6	
Methylene Chloride	**<1.3**	ug/kg	3.6	1.3	1	10/19/15 12:00	10/20/15 01:51	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 01:51	108-10-1	
Methyl-tert-butyl ether	**<0.73**	ug/kg	3.6	0.73	1	10/19/15 12:00	10/20/15 01:51	1634-04-4	
Styrene	**<0.55**	ug/kg	3.6	0.55	1	10/19/15 12:00	10/20/15 01:51	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 01:51	79-34-5	
Tetrachloroethene	**<1.1**	ug/kg	3.6	1.1	1	10/19/15 12:00	10/20/15 01:51	127-18-4	
Toluene	**<1.1**	ug/kg	3.6	1.1	1	10/19/15 12:00	10/20/15 01:51	108-88-3	
1,1,1-Trichloroethane	**<1.1**	ug/kg	3.6	1.1	1	10/19/15 12:00	10/20/15 01:51	71-55-6	
1,1,2-Trichloroethane	**<1.4**	ug/kg	3.6	1.4	1	10/19/15 12:00	10/20/15 01:51	79-00-5	
Trichloroethene	**<1.4**	ug/kg	3.6	1.4	1	10/19/15 12:00	10/20/15 01:51	79-01-6	
Vinyl chloride	**<0.40**	ug/kg	3.6	0.40	1	10/19/15 12:00	10/20/15 01:51	75-01-4	
Xylene (Total)	**<3.2**	ug/kg	10.9	3.2	1	10/19/15 12:00	10/20/15 01:51	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	109	%	70-130		1	10/19/15 12:00	10/20/15 01:51	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: VL17-1 (0-5)-101515 **Lab ID: 40122963001** Collected: 10/15/15 08:50 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)	104	%	67-138		1	10/19/15 12:00	10/20/15 01:51	2037-26-5	
4-Bromofluorobenzene (S)	91	%	68-130		1	10/19/15 12:00	10/20/15 01:51	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.7**	%	0.10	0.10	1		10/16/15 17:30		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.75**	Std. Units	0.100	0.0100	1		10/20/15 14:20		H6

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: VL17-1 (5-9)-101515 **Lab ID: 40122963002** Collected: 10/15/15 09:00 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	**0.60J**	mg/kg	1.9	0.55	1	10/21/15 12:31	10/27/15 12:41	7440-36-0	
Arsenic	**4.6J**	mg/kg	9.7	3.1	5	10/21/15 12:31	10/25/15 11:50	7440-38-2	D3
Barium	**14.5**	mg/kg	0.49	0.12	1	10/21/15 12:31	10/27/15 12:41	7440-39-3	
Beryllium	**0.068J**	mg/kg	0.39	0.037	1	10/21/15 12:31	10/27/15 12:41	7440-41-7	
Cadmium	**<0.064**	mg/kg	0.49	0.064	1	10/21/15 12:31	10/27/15 12:41	7440-43-9	
Calcium	**136000**	mg/kg	487	13.3	5	10/21/15 12:31	10/25/15 11:50	7440-70-2	
Chromium	**9.2**	mg/kg	0.49	0.19	1	10/21/15 12:31	10/27/15 12:41	7440-47-3	
Cobalt	**2.3**	mg/kg	0.49	0.095	1	10/21/15 12:31	10/27/15 12:41	7440-48-4	
Copper	**7.3**	mg/kg	0.97	0.15	1	10/21/15 12:31	10/27/15 12:41	7440-50-8	
Iron	**6630**	mg/kg	9.7	1.6	1	10/21/15 12:31	10/27/15 12:41	7439-89-6	
Lead	**3.0**	mg/kg	0.97	0.42	1	10/21/15 12:31	10/27/15 12:41	7439-92-1	
Magnesium	**77100**	mg/kg	487	26.4	5	10/21/15 12:31	10/25/15 11:50	7439-95-4	
Manganese	**364**	mg/kg	0.49	0.049	1	10/21/15 12:31	10/27/15 12:41	7439-96-5	
Nickel	**5.7**	mg/kg	0.97	0.13	1	10/21/15 12:31	10/27/15 12:41	7440-02-0	
Potassium	**1070**	mg/kg	97.3	8.0	1	10/21/15 12:31	10/27/15 12:41	7440-09-7	
Selenium	**<0.75**	mg/kg	1.9	0.75	1	10/21/15 12:31	10/27/15 12:41	7782-49-2	
Silver	**<0.27**	mg/kg	0.97	0.27	1	10/21/15 12:31	10/27/15 12:41	7440-22-4	
Sodium	**297**	mg/kg	97.3	3.7	1	10/21/15 12:31	10/27/15 12:41	7440-23-5	
Thallium	**<0.80**	mg/kg	3.9	0.80	1	10/21/15 12:31	10/27/15 12:41	7440-28-0	
Vanadium	**12.6**	mg/kg	0.97	0.20	1	10/21/15 12:31	10/27/15 12:41	7440-62-2	
Zinc	**16.1**	mg/kg	3.9	0.37	1	10/21/15 12:31	10/27/15 12:41	7440-66-6	
6010 MET ICP, SPLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 10/22/15 16:00								
Arsenic	**<0.0026**	mg/L	0.010	0.0026	1	10/26/15 08:37	10/26/15 18:30	7440-38-2	
Barium	**0.0071J**	mg/L	0.20	0.0037	1	10/26/15 08:37	10/26/15 18:30	7440-39-3	
Beryllium	**<0.00025**	mg/L	0.0050	0.00025	1	10/26/15 08:37	10/26/15 18:30	7440-41-7	
Cadmium	**<0.00027**	mg/L	0.0050	0.00027	1	10/26/15 08:37	10/26/15 18:30	7440-43-9	
Chromium	**<0.0018**	mg/L	0.010	0.0018	1	10/26/15 08:37	10/26/15 18:30	7440-47-3	
Cobalt	**<0.00050**	mg/L	0.010	0.00050	1	10/26/15 08:37	10/26/15 18:30	7440-48-4	
Copper	**0.0027J**	mg/L	0.010	0.0024	1	10/26/15 08:37	10/26/15 18:30	7440-50-8	
Iron	**0.020J**	mg/L	0.050	0.0073	1	10/26/15 08:37	10/26/15 18:30	7439-89-6	B
Lead	**<0.00084**	mg/L	0.0050	0.00084	1	10/26/15 08:37	10/26/15 18:30	7439-92-1	
Manganese	**<0.00065**	mg/L	0.010	0.00065	1	10/26/15 08:37	10/26/15 18:30	7439-96-5	
Nickel	**<0.00041**	mg/L	0.040	0.00041	1	10/26/15 08:37	10/26/15 18:30	7440-02-0	
Selenium	**<0.0024**	mg/L	0.020	0.0024	1	10/26/15 08:37	10/26/15 18:30	7782-49-2	
Silver	**<0.00032**	mg/L	0.010	0.00032	1	10/26/15 08:37	10/26/15 18:30	7440-22-4	
Zinc	**0.0036J**	mg/L	0.020	0.00076	1	10/26/15 08:37	10/26/15 18:30	7440-66-6	B
6010 Metals, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 10/22/15 16:00								
Arsenic	**0.0056J**	mg/L	0.20	0.0053	1	10/26/15 07:45	10/26/15 15:47	7440-38-2	B
Barium	**0.22J**	mg/L	2.0	0.0010	1	10/26/15 07:45	10/26/15 15:47	7440-39-3	B
Beryllium	**<0.00050**	mg/L	0.20	0.00050	1	10/26/15 07:45	10/26/15 15:47	7440-41-7	
Cadmium	**<0.00054**	mg/L	0.10	0.00054	1	10/26/15 07:45	10/26/15 15:47	7440-43-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: VL17-1 (5-9)-101515 **Lab ID: 40122963002** Collected: 10/15/15 09:00 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 Metals, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 10/22/15 16:00								
Chromium	**0.011J**	mg/L	0.20	0.0037	1	10/26/15 07:45	10/26/15 15:47	7440-47-3	
Cobalt	**0.015J**	mg/L	0.20	0.0010	1	10/26/15 07:45	10/26/15 15:47	7440-48-4	
Copper	**0.013J**	mg/L	0.20	0.0048	1	10/26/15 07:45	10/26/15 15:47	7440-50-8	B
Iron	**0.90J**	mg/L	1.0	0.015	1	10/26/15 07:45	10/26/15 15:47	7439-89-6	
Lead	**<0.0017**	mg/L	0.20	0.0017	1	10/26/15 07:45	10/26/15 15:47	7439-92-1	
Manganese	**2.1**	mg/L	0.13	0.0013	1	10/26/15 07:45	10/26/15 15:47	7439-96-5	
Nickel	**0.026J**	mg/L	0.20	0.00082	1	10/26/15 07:45	10/26/15 15:47	7440-02-0	
Selenium	**0.0072J**	mg/L	0.20	0.0049	1	10/26/15 07:45	10/26/15 15:47	7782-49-2	B
Silver	**<0.00065**	mg/L	0.20	0.00065	1	10/26/15 07:45	10/26/15 15:47	7440-22-4	
Zinc	**0.065J**	mg/L	0.20	0.0015	1	10/26/15 07:45	10/26/15 15:47	7440-66-6	B
7470 Mercury, SPLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1312; 10/22/15 16:00								
Mercury	**<0.000024**	mg/L	0.00020	0.000024	1	10/26/15 08:39	10/26/15 16:16	7439-97-6	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 10/22/15 16:00								
Mercury	**<0.000024**	mg/L	0.00020	0.000024	1	10/26/15 08:28	10/26/15 15:39	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.022**	mg/kg	0.0090	0.0024	1	10/26/15 10:45	10/26/15 17:19	7439-97-6	B
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 11:22	83-32-9	
Acenaphthylene	**<61.9**	ug/kg	206	61.9	1	10/21/15 10:17	10/22/15 11:22	208-96-8	
Anthracene	**<27.7**	ug/kg	92.4	27.7	1	10/21/15 10:17	10/22/15 11:22	120-12-7	
Benzo(a)anthracene	**<26.9**	ug/kg	89.6	26.9	1	10/21/15 10:17	10/22/15 11:22	56-55-3	
Benzo(a)pyrene	**<26.1**	ug/kg	87.0	26.1	1	10/21/15 10:17	10/22/15 11:22	50-32-8	
Benzo(b)fluoranthene	**<29.8**	ug/kg	99.4	29.8	1	10/21/15 10:17	10/22/15 11:22	205-99-2	
Benzo(g,h,i)perylene	**<45.4**	ug/kg	151	45.4	1	10/21/15 10:17	10/22/15 11:22	191-24-2	
Benzo(k)fluoranthene	**<41.5**	ug/kg	138	41.5	1	10/21/15 10:17	10/22/15 11:22	207-08-9	
4-Bromophenylphenyl ether	**<36.3**	ug/kg	121	36.3	1	10/21/15 10:17	10/22/15 11:22	101-55-3	
Butylbenzylphthalate	**<27.8**	ug/kg	92.7	27.8	1	10/21/15 10:17	10/22/15 11:22	85-68-7	
Carbazole	**<27.2**	ug/kg	90.5	27.2	1	10/21/15 10:17	10/22/15 11:22	86-74-8	
4-Chloro-3-methylphenol	**<54.0**	ug/kg	180	54.0	1	10/21/15 10:17	10/22/15 11:22	59-50-7	
4-Chloroaniline	**<28.5**	ug/kg	95.0	28.5	1	10/21/15 10:17	10/22/15 11:22	106-47-8	
bis(2-Chloroethoxy)methane	**<46.7**	ug/kg	156	46.7	1	10/21/15 10:17	10/22/15 11:22	111-91-1	
bis(2-Chloroethyl) ether	**<54.2**	ug/kg	181	54.2	1	10/21/15 10:17	10/22/15 11:22	111-44-4	
2-Chloronaphthalene	**<22.3**	ug/kg	74.2	22.3	1	10/21/15 10:17	10/22/15 11:22	91-58-7	
2-Chlorophenol	**<43.3**	ug/kg	144	43.3	1	10/21/15 10:17	10/22/15 11:22	95-57-8	
4-Chlorophenylphenyl ether	**<32.3**	ug/kg	108	32.3	1	10/21/15 10:17	10/22/15 11:22	7005-72-3	
Chrysene	**<25.9**	ug/kg	86.5	25.9	1	10/21/15 10:17	10/22/15 11:22	218-01-9	
Dibenz(a,h)anthracene	**<47.1**	ug/kg	157	47.1	1	10/21/15 10:17	10/22/15 11:22	53-70-3	
Dibenzofuran	**<21.0**	ug/kg	70.0	21.0	1	10/21/15 10:17	10/22/15 11:22	132-64-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: VL17-1 (5-9)-101515 **Lab ID: 40122963002** Collected: 10/15/15 09:00 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								
1,2-Dichlorobenzene	**<54.5**	ug/kg	182	54.5	1	10/21/15 10:17	10/22/15 11:22	95-50-1	
1,3-Dichlorobenzene	**<24.0**	ug/kg	80.1	24.0	1	10/21/15 10:17	10/22/15 11:22	541-73-1	
1,4-Dichlorobenzene	**<24.2**	ug/kg	80.6	24.2	1	10/21/15 10:17	10/22/15 11:22	106-46-7	
3,3'-Dichlorobenzidine	**<47.1**	ug/kg	157	47.1	1	10/21/15 10:17	10/22/15 11:22	91-94-1	
2,4-Dichlorophenol	**<46.4**	ug/kg	155	46.4	1	10/21/15 10:17	10/22/15 11:22	120-83-2	
Diethylphthalate	**<28.8**	ug/kg	95.9	28.8	1	10/21/15 10:17	10/22/15 11:22	84-66-2	
2,4-Dimethylphenol	**<34.3**	ug/kg	114	34.3	1	10/21/15 10:17	10/22/15 11:22	105-67-9	
Dimethylphthalate	**<22.6**	ug/kg	75.2	22.6	1	10/21/15 10:17	10/22/15 11:22	131-11-3	
Di-n-butylphthalate	**<25.9**	ug/kg	86.4	25.9	1	10/21/15 10:17	10/22/15 11:22	84-74-2	
4,6-Dinitro-2-methylphenol	**<53.5**	ug/kg	178	53.5	1	10/21/15 10:17	10/22/15 11:22	534-52-1	
2,4-Dinitrophenol	**<52.8**	ug/kg	176	52.8	1	10/21/15 10:17	10/22/15 11:22	51-28-5	
2,4-Dinitrotoluene	**<24.8**	ug/kg	82.7	24.8	1	10/21/15 10:17	10/22/15 11:22	121-14-2	
2,6-Dinitrotoluene	**<32.9**	ug/kg	110	32.9	1	10/21/15 10:17	10/22/15 11:22	606-20-2	
Di-n-octylphthalate	**<39.0**	ug/kg	130	39.0	1	10/21/15 10:17	10/22/15 11:22	117-84-0	
bis(2-Ethylhexyl)phthalate	**<28.8**	ug/kg	96.2	28.8	1	10/21/15 10:17	10/22/15 11:22	117-81-7	
Fluoranthene	**<24.5**	ug/kg	81.8	24.5	1	10/21/15 10:17	10/22/15 11:22	206-44-0	
Fluorene	**<20.3**	ug/kg	67.6	20.3	1	10/21/15 10:17	10/22/15 11:22	86-73-7	
Hexachloro-1,3-butadiene	**<44.2**	ug/kg	147	44.2	1	10/21/15 10:17	10/22/15 11:22	87-68-3	
Hexachlorobenzene	**<29.2**	ug/kg	97.3	29.2	1	10/21/15 10:17	10/22/15 11:22	118-74-1	
Hexachlorocyclopentadiene	**<41.1**	ug/kg	137	41.1	1	10/21/15 10:17	10/22/15 11:22	77-47-4	
Hexachloroethane	**<27.8**	ug/kg	92.5	27.8	1	10/21/15 10:17	10/22/15 11:22	67-72-1	
Indeno(1,2,3-cd)pyrene	**<37.5**	ug/kg	125	37.5	1	10/21/15 10:17	10/22/15 11:22	193-39-5	
Isophorone	**<26.7**	ug/kg	88.9	26.7	1	10/21/15 10:17	10/22/15 11:22	78-59-1	
2-Methylnaphthalene	**<45.0**	ug/kg	150	45.0	1	10/21/15 10:17	10/22/15 11:22	91-57-6	
2-Methylphenol(o-Cresol)	**<31.5**	ug/kg	105	31.5	1	10/21/15 10:17	10/22/15 11:22	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 11:22		
Naphthalene	**<60.7**	ug/kg	202	60.7	1	10/21/15 10:17	10/22/15 11:22	91-20-3	
2-Nitroaniline	**<49.4**	ug/kg	165	49.4	1	10/21/15 10:17	10/22/15 11:22	88-74-4	
3-Nitroaniline	**<29.5**	ug/kg	98.3	29.5	1	10/21/15 10:17	10/22/15 11:22	99-09-2	
4-Nitroaniline	**<72.0**	ug/kg	240	72.0	1	10/21/15 10:17	10/22/15 11:22	100-01-6	
Nitrobenzene	**<35.2**	ug/kg	117	35.2	1	10/21/15 10:17	10/22/15 11:22	98-95-3	
2-Nitrophenol	**<54.8**	ug/kg	183	54.8	1	10/21/15 10:17	10/22/15 11:22	88-75-5	
4-Nitrophenol	**<43.7**	ug/kg	146	43.7	1	10/21/15 10:17	10/22/15 11:22	100-02-7	
N-Nitroso-di-n-propylamine	**<27.5**	ug/kg	91.7	27.5	1	10/21/15 10:17	10/22/15 11:22	621-64-7	
N-Nitrosodiphenylamine	**<235**	ug/kg	785	235	1	10/21/15 10:17	10/22/15 11:22	86-30-6	
2,2'-Oxybis(1-chloropropane)	**<44.7**	ug/kg	149	44.7	1	10/21/15 10:17	10/22/15 11:22	108-60-1	
Pentachlorophenol	**<38.2**	ug/kg	127	38.2	1	10/21/15 10:17	10/22/15 11:22	87-86-5	
Phenanthrene	**<22.3**	ug/kg	74.2	22.3	1	10/21/15 10:17	10/22/15 11:22	85-01-8	
Phenol	**<41.2**	ug/kg	137	41.2	1	10/21/15 10:17	10/22/15 11:22	108-95-2	
Pyrene	**<38.5**	ug/kg	128	38.5	1	10/21/15 10:17	10/22/15 11:22	129-00-0	
1,2,4-Trichlorobenzene	**<19.6**	ug/kg	65.4	19.6	1	10/21/15 10:17	10/22/15 11:22	120-82-1	
2,4,5-Trichlorophenol	**<30.6**	ug/kg	102	30.6	1	10/21/15 10:17	10/22/15 11:22	95-95-4	
2,4,6-Trichlorophenol	**<26.5**	ug/kg	88.2	26.5	1	10/21/15 10:17	10/22/15 11:22	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	54	%	45-130		1	10/21/15 10:17	10/22/15 11:22	4165-60-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: VL17-1 (5-9)-101515 **Lab ID: 40122963002** Collected: 10/15/15 09:00 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									
2-Fluorobiphenyl (S)	52	%	51-130		1	10/21/15 10:17	10/22/15 11:22	321-60-8	
Terphenyl-d14 (S)	56	%	37-134		1	10/21/15 10:17	10/22/15 11:22	1718-51-0	
Phenol-d6 (S)	52	%	36-130		1	10/21/15 10:17	10/22/15 11:22	13127-88-3	
2-Fluorophenol (S)	50	%	37-130		1	10/21/15 10:17	10/22/15 11:22	367-12-4	
2,4,6-Tribromophenol (S)	49	%	30-130		1	10/21/15 10:17	10/22/15 11:22	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	10/20/15 02:14	67-64-1	2q
Benzene	**<1.1**	ug/kg	3.3	1.1	1	10/19/15 12:00	10/20/15 02:14	71-43-2	
Bromodichloromethane	**<0.72**	ug/kg	3.3	0.72	1	10/19/15 12:00	10/20/15 02:14	75-27-4	
Bromoform	**<0.56**	ug/kg	3.3	0.56	1	10/19/15 12:00	10/20/15 02:14	75-25-2	
Bromomethane	**<0.99**	ug/kg	6.6	0.99	1	10/19/15 12:00	10/20/15 02:14	74-83-9	
2-Butanone (MEK)	**<1.9**	ug/kg	13.2	1.9	1	10/19/15 12:00	10/20/15 02:14	78-93-3	
Carbon disulfide	**<0.85**	ug/kg	3.3	0.85	1	10/19/15 12:00	10/20/15 02:14	75-15-0	
Carbon tetrachloride	**<1.0**	ug/kg	3.3	1.0	1	10/19/15 12:00	10/20/15 02:14	56-23-5	
Chlorobenzene	**<1.0**	ug/kg	3.3	1.0	1	10/19/15 12:00	10/20/15 02:14	108-90-7	
Chloroethane	**<1.3**	ug/kg	3.3	1.3	1	10/19/15 12:00	10/20/15 02:14	75-00-3	
Chloroform	**<0.62**	ug/kg	3.3	0.62	1	10/19/15 12:00	10/20/15 02:14	67-66-3	
Chloromethane	**<0.37**	ug/kg	3.3	0.37	1	10/19/15 12:00	10/20/15 02:14	74-87-3	
Dibromochloromethane	**<1.1**	ug/kg	3.3	1.1	1	10/19/15 12:00	10/20/15 02:14	124-48-1	
1,1-Dichloroethane	**<1.6**	ug/kg	3.3	1.6	1	10/19/15 12:00	10/20/15 02:14	75-34-3	
1,2-Dichloroethane	**<0.65**	ug/kg	3.3	0.65	1	10/19/15 12:00	10/20/15 02:14	107-06-2	
1,1-Dichloroethene	**<1.5**	ug/kg	3.3	1.5	1	10/19/15 12:00	10/20/15 02:14	75-35-4	
cis-1,2-Dichloroethene	**<0.87**	ug/kg	3.3	0.87	1	10/19/15 12:00	10/20/15 02:14	156-59-2	
trans-1,2-Dichloroethene	**<0.81**	ug/kg	3.3	0.81	1	10/19/15 12:00	10/20/15 02:14	156-60-5	
1,2-Dichloropropane	**<0.83**	ug/kg	3.3	0.83	1	10/19/15 12:00	10/20/15 02:14	78-87-5	
cis-1,3-Dichloropropene	**<0.44**	ug/kg	3.3	0.44	1	10/19/15 12:00	10/20/15 02:14	10061-01-5	
trans-1,3-Dichloropropene	**<0.61**	ug/kg	3.3	0.61	1	10/19/15 12:00	10/20/15 02:14	10061-02-6	
Ethylbenzene	**<0.95**	ug/kg	3.3	0.95	1	10/19/15 12:00	10/20/15 02:14	100-41-4	
2-Hexanone	**<0.98**	ug/kg	3.3	0.98	1	10/19/15 12:00	10/20/15 02:14	591-78-6	
Methylene Chloride	**<1.2**	ug/kg	3.3	1.2	1	10/19/15 12:00	10/20/15 02:14	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	**<0.81**	ug/kg	3.3	0.81	1	10/19/15 12:00	10/20/15 02:14	108-10-1	
Methyl-tert-butyl ether	**<0.66**	ug/kg	3.3	0.66	1	10/19/15 12:00	10/20/15 02:14	1634-04-4	
Styrene	**<0.50**	ug/kg	3.3	0.50	1	10/19/15 12:00	10/20/15 02:14	100-42-5	
1,1,2,2-Tetrachloroethane	**<1.4**	ug/kg	3.3	1.4	1	10/19/15 12:00	10/20/15 02:14	79-34-5	
Tetrachloroethene	**<1.0**	ug/kg	3.3	1.0	1	10/19/15 12:00	10/20/15 02:14	127-18-4	
Toluene	**<0.98**	ug/kg	3.3	0.98	1	10/19/15 12:00	10/20/15 02:14	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/kg	3.3	1.0	1	10/19/15 12:00	10/20/15 02:14	71-55-6	
1,1,2-Trichloroethane	**<1.3**	ug/kg	3.3	1.3	1	10/19/15 12:00	10/20/15 02:14	79-00-5	
Trichloroethene	**<1.3**	ug/kg	3.3	1.3	1	10/19/15 12:00	10/20/15 02:14	79-01-6	
Vinyl chloride	**<0.36**	ug/kg	3.3	0.36	1	10/19/15 12:00	10/20/15 02:14	75-01-4	
Xylene (Total)	**<3.0**	ug/kg	9.9	3.0	1	10/19/15 12:00	10/20/15 02:14	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	102	%	70-130		1	10/19/15 12:00	10/20/15 02:14	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: VL17-1 (5-9)-101515 **Lab ID: 40122963002** Collected: 10/15/15 09:00 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
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	107	%	67-138		1	10/19/15 12:00	10/20/15 02:14	2037-26-5	
4-Bromofluorobenzene (S)	91	%	68-130		1	10/19/15 12:00	10/20/15 02:14	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**3.8**	%	0.10	0.10	1		10/16/15 17:30		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.77**	Std. Units	0.100	0.0100	1		10/20/15 14:20		H6

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: VL17-2 (0-5)-101515 **Lab ID: 40122963003** Collected: 10/15/15 09:20 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	**<0.59**	mg/kg	2.1	0.59	1	10/21/15 12:31	10/27/15 12:44	7440-36-0	
Arsenic	**5.3J**	mg/kg	10.4	3.3	5	10/21/15 12:31	10/25/15 11:53	7440-38-2	D3
Barium	**42.8**	mg/kg	0.52	0.12	1	10/21/15 12:31	10/27/15 12:44	7440-39-3	
Beryllium	**0.23J**	mg/kg	0.42	0.039	1	10/21/15 12:31	10/27/15 12:44	7440-41-7	
Cadmium	**<0.069**	mg/kg	0.52	0.069	1	10/21/15 12:31	10/27/15 12:44	7440-43-9	
Calcium	**135000**	mg/kg	520	14.2	5	10/21/15 12:31	10/25/15 11:53	7440-70-2	
Chromium	**11.3**	mg/kg	0.52	0.20	1	10/21/15 12:31	10/27/15 12:44	7440-47-3	
Cobalt	**3.8**	mg/kg	0.52	0.10	1	10/21/15 12:31	10/27/15 12:44	7440-48-4	
Copper	**11.2**	mg/kg	1.0	0.16	1	10/21/15 12:31	10/27/15 12:44	7440-50-8	
Iron	**9100**	mg/kg	10.4	1.7	1	10/21/15 12:31	10/27/15 12:44	7439-89-6	
Lead	**8.4**	mg/kg	1.0	0.45	1	10/21/15 12:31	10/27/15 12:44	7439-92-1	
Magnesium	**75000**	mg/kg	520	28.2	5	10/21/15 12:31	10/25/15 11:53	7439-95-4	
Manganese	**374**	mg/kg	0.52	0.053	1	10/21/15 12:31	10/27/15 12:44	7439-96-5	
Nickel	**8.2**	mg/kg	1.0	0.13	1	10/21/15 12:31	10/27/15 12:44	7440-02-0	
Potassium	**2220**	mg/kg	104	8.5	1	10/21/15 12:31	10/27/15 12:44	7440-09-7	
Selenium	**<0.80**	mg/kg	2.1	0.80	1	10/21/15 12:31	10/27/15 12:44	7782-49-2	
Silver	**<0.29**	mg/kg	1.0	0.29	1	10/21/15 12:31	10/27/15 12:44	7440-22-4	
Sodium	**574**	mg/kg	104	4.0	1	10/21/15 12:31	10/27/15 12:44	7440-23-5	
Thallium	**<0.85**	mg/kg	4.2	0.85	1	10/21/15 12:31	10/27/15 12:44	7440-28-0	
Vanadium	**19.2**	mg/kg	1.0	0.21	1	10/21/15 12:31	10/27/15 12:44	7440-62-2	
Zinc	**28.2**	mg/kg	4.2	0.40	1	10/21/15 12:31	10/27/15 12:44	7440-66-6	
6010 MET ICP, SPLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 10/22/15 16:00								
Arsenic	**0.0049J**	mg/L	0.010	0.0026	1	10/26/15 08:37	10/26/15 18:34	7440-38-2	
Barium	**0.056J**	mg/L	0.20	0.0037	1	10/26/15 08:37	10/26/15 18:34	7440-39-3	
Beryllium	**<0.00025**	mg/L	0.0050	0.00025	1	10/26/15 08:37	10/26/15 18:34	7440-41-7	
Cadmium	**<0.00027**	mg/L	0.0050	0.00027	1	10/26/15 08:37	10/26/15 18:34	7440-43-9	
Chromium	**0.0080J**	mg/L	0.010	0.0018	1	10/26/15 08:37	10/26/15 18:34	7440-47-3	
Cobalt	**0.0023J**	mg/L	0.010	0.00050	1	10/26/15 08:37	10/26/15 18:34	7440-48-4	
Copper	**0.023**	mg/L	0.010	0.0024	1	10/26/15 08:37	10/26/15 18:34	7440-50-8	
Iron	**7.1**	mg/L	0.050	0.0073	1	10/26/15 08:37	10/26/15 18:34	7439-89-6	
Lead	**0.0047J**	mg/L	0.0050	0.00084	1	10/26/15 08:37	10/26/15 18:34	7439-92-1	
Manganese	**0.10**	mg/L	0.010	0.00065	1	10/26/15 08:37	10/26/15 18:34	7439-96-5	
Nickel	**0.0062J**	mg/L	0.040	0.00041	1	10/26/15 08:37	10/26/15 18:34	7440-02-0	
Selenium	**<0.0024**	mg/L	0.020	0.0024	1	10/26/15 08:37	10/26/15 18:34	7782-49-2	
Silver	**<0.00032**	mg/L	0.010	0.00032	1	10/26/15 08:37	10/26/15 18:34	7440-22-4	
Zinc	**0.034**	mg/L	0.020	0.00076	1	10/26/15 08:37	10/26/15 18:34	7440-66-6	
6010 Metals, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 10/22/15 16:00								
Arsenic	**<0.0053**	mg/L	0.20	0.0053	1	10/26/15 07:45	10/26/15 15:51	7440-38-2	
Barium	**0.49J**	mg/L	2.0	0.0010	1	10/26/15 07:45	10/26/15 15:51	7440-39-3	B
Beryllium	**<0.00050**	mg/L	0.20	0.00050	1	10/26/15 07:45	10/26/15 15:51	7440-41-7	
Cadmium	**0.00073J**	mg/L	0.10	0.00054	1	10/26/15 07:45	10/26/15 15:51	7440-43-9	B

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: VL17-2 (0-5)-101515 **Lab ID: 40122963003** Collected: 10/15/15 09:20 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 Metals, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 10/22/15 16:00								
Chromium	**<0.0037**	mg/L	0.20	0.0037	1	10/26/15 07:45	10/26/15 15:51	7440-47-3	
Cobalt	**0.0012J**	mg/L	0.20	0.0010	1	10/26/15 07:45	10/26/15 15:51	7440-48-4	
Copper	**0.014J**	mg/L	0.20	0.0048	1	10/26/15 07:45	10/26/15 15:51	7440-50-8	B
Iron	**<0.015**	mg/L	1.0	0.015	1	10/26/15 07:45	10/26/15 15:51	7439-89-6	
Lead	**<0.0017**	mg/L	0.20	0.0017	1	10/26/15 07:45	10/26/15 15:51	7439-92-1	
Manganese	**1.6**	mg/L	0.13	0.0013	1	10/26/15 07:45	10/26/15 15:51	7439-96-5	
Nickel	**0.0076J**	mg/L	0.20	0.00082	1	10/26/15 07:45	10/26/15 15:51	7440-02-0	
Selenium	**0.0084J**	mg/L	0.20	0.0049	1	10/26/15 07:45	10/26/15 15:51	7782-49-2	B
Silver	**<0.00065**	mg/L	0.20	0.00065	1	10/26/15 07:45	10/26/15 15:51	7440-22-4	
Zinc	**0.085J**	mg/L	0.20	0.0015	1	10/26/15 07:45	10/26/15 15:51	7440-66-6	B
7470 Mercury, SPLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1312; 10/22/15 16:00								
Mercury	**<0.000024**	mg/L	0.00020	0.000024	1	10/26/15 08:39	10/26/15 16:18	7439-97-6	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 10/22/15 16:00								
Mercury	**<0.000024**	mg/L	0.00020	0.000024	1	10/26/15 08:28	10/26/15 15:41	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.019**	mg/kg	0.010	0.0027	1	10/26/15 10:45	10/26/15 17:21	7439-97-6	B
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 12:17	10/22/15 14:13	83-32-9	
Acenaphthylene	**<63.2**	ug/kg	211	63.2	1	10/21/15 12:17	10/22/15 14:13	208-96-8	
Anthracene	**<28.3**	ug/kg	94.4	28.3	1	10/21/15 12:17	10/22/15 14:13	120-12-7	
Benzo(a)anthracene	**64.2J**	ug/kg	91.5	27.5	1	10/21/15 12:17	10/22/15 14:13	56-55-3	
Benzo(a)pyrene	**60.3J**	ug/kg	88.9	26.7	1	10/21/15 12:17	10/22/15 14:13	50-32-8	
Benzo(b)fluoranthene	**95.6J**	ug/kg	102	30.5	1	10/21/15 12:17	10/22/15 14:13	205-99-2	
Benzo(g,h,i)perylene	**71.7J**	ug/kg	155	46.4	1	10/21/15 12:17	10/22/15 14:13	191-24-2	
Benzo(k)fluoranthene	**<42.4**	ug/kg	141	42.4	1	10/21/15 12:17	10/22/15 14:13	207-08-9	
4-Bromophenylphenyl ether	**<37.1**	ug/kg	124	37.1	1	10/21/15 12:17	10/22/15 14:13	101-55-3	
Butylbenzylphthalate	**<28.4**	ug/kg	94.8	28.4	1	10/21/15 12:17	10/22/15 14:13	85-68-7	
Carbazole	**<27.8**	ug/kg	92.5	27.8	1	10/21/15 12:17	10/22/15 14:13	86-74-8	
4-Chloro-3-methylphenol	**<55.2**	ug/kg	184	55.2	1	10/21/15 12:17	10/22/15 14:13	59-50-7	
4-Chloroaniline	**<29.1**	ug/kg	97.1	29.1	1	10/21/15 12:17	10/22/15 14:13	106-47-8	
bis(2-Chloroethoxy)methane	**<47.7**	ug/kg	159	47.7	1	10/21/15 12:17	10/22/15 14:13	111-91-1	
bis(2-Chloroethyl) ether	**<55.3**	ug/kg	184	55.3	1	10/21/15 12:17	10/22/15 14:13	111-44-4	
2-Chloronaphthalene	**<22.8**	ug/kg	75.9	22.8	1	10/21/15 12:17	10/22/15 14:13	91-58-7	
2-Chlorophenol	**<44.2**	ug/kg	147	44.2	1	10/21/15 12:17	10/22/15 14:13	95-57-8	
4-Chlorophenylphenyl ether	**<33.0**	ug/kg	110	33.0	1	10/21/15 12:17	10/22/15 14:13	7005-72-3	
Chrysene	**83.7J**	ug/kg	88.4	26.5	1	10/21/15 12:17	10/22/15 14:13	218-01-9	
Dibenz(a,h)anthracene	**<48.2**	ug/kg	161	48.2	1	10/21/15 12:17	10/22/15 14:13	53-70-3	
Dibenzofuran	**<21.5**	ug/kg	71.5	21.5	1	10/21/15 12:17	10/22/15 14:13	132-64-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: VL17-2 (0-5)-101515 **Lab ID: 40122963003** Collected: 10/15/15 09:20 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	**<55.7**	ug/kg	186	55.7	1	10/21/15 12:17	10/22/15 14:13	95-50-1	
1,3-Dichlorobenzene	**<24.5**	ug/kg	81.8	24.5	1	10/21/15 12:17	10/22/15 14:13	541-73-1	
1,4-Dichlorobenzene	**<24.7**	ug/kg	82.3	24.7	1	10/21/15 12:17	10/22/15 14:13	106-46-7	
3,3'-Dichlorobenzidine	**<48.1**	ug/kg	160	48.1	1	10/21/15 12:17	10/22/15 14:13	91-94-1	
2,4-Dichlorophenol	**<47.4**	ug/kg	158	47.4	1	10/21/15 12:17	10/22/15 14:13	120-83-2	
Diethylphthalate	**<29.4**	ug/kg	98.0	29.4	1	10/21/15 12:17	10/22/15 14:13	84-66-2	
2,4-Dimethylphenol	**<35.1**	ug/kg	117	35.1	1	10/21/15 12:17	10/22/15 14:13	105-67-9	
Dimethylphthalate	**<23.1**	ug/kg	76.9	23.1	1	10/21/15 12:17	10/22/15 14:13	131-11-3	
Di-n-butylphthalate	**<26.5**	ug/kg	88.3	26.5	1	10/21/15 12:17	10/22/15 14:13	84-74-2	
4,6-Dinitro-2-methylphenol	**<54.6**	ug/kg	182	54.6	1	10/21/15 12:17	10/22/15 14:13	534-52-1	
2,4-Dinitrophenol	**<54.0**	ug/kg	180	54.0	1	10/21/15 12:17	10/22/15 14:13	51-28-5	
2,4-Dinitrotoluene	**<25.4**	ug/kg	84.5	25.4	1	10/21/15 12:17	10/22/15 14:13	121-14-2	
2,6-Dinitrotoluene	**<33.7**	ug/kg	112	33.7	1	10/21/15 12:17	10/22/15 14:13	606-20-2	
Di-n-octylphthalate	**<39.9**	ug/kg	133	39.9	1	10/21/15 12:17	10/22/15 14:13	117-84-0	
bis(2-Ethylhexyl)phthalate	**<29.5**	ug/kg	98.3	29.5	1	10/21/15 12:17	10/22/15 14:13	117-81-7	
Fluoranthene	**159**	ug/kg	83.6	25.1	1	10/21/15 12:17	10/22/15 14:13	206-44-0	
Fluorene	**<20.7**	ug/kg	69.1	20.7	1	10/21/15 12:17	10/22/15 14:13	86-73-7	
Hexachloro-1,3-butadiene	**<45.2**	ug/kg	151	45.2	1	10/21/15 12:17	10/22/15 14:13	87-68-3	
Hexachlorobenzene	**<29.8**	ug/kg	99.4	29.8	1	10/21/15 12:17	10/22/15 14:13	118-74-1	
Hexachlorocyclopentadiene	**<42.0**	ug/kg	140	42.0	1	10/21/15 12:17	10/22/15 14:13	77-47-4	
Hexachloroethane	**<28.4**	ug/kg	94.6	28.4	1	10/21/15 12:17	10/22/15 14:13	67-72-1	
Indeno(1,2,3-cd)pyrene	**45.2J**	ug/kg	128	38.4	1	10/21/15 12:17	10/22/15 14:13	193-39-5	
Isophorone	**<27.3**	ug/kg	90.8	27.3	1	10/21/15 12:17	10/22/15 14:13	78-59-1	
2-Methylnaphthalene	**<46.0**	ug/kg	153	46.0	1	10/21/15 12:17	10/22/15 14:13	91-57-6	
2-Methylphenol(o-Cresol)	**<32.2**	ug/kg	107	32.2	1	10/21/15 12:17	10/22/15 14:13	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<32.5**	ug/kg	108	32.5	1	10/21/15 12:17	10/22/15 14:13		
Naphthalene	**<62.0**	ug/kg	207	62.0	1	10/21/15 12:17	10/22/15 14:13	91-20-3	
2-Nitroaniline	**<50.5**	ug/kg	168	50.5	1	10/21/15 12:17	10/22/15 14:13	88-74-4	
3-Nitroaniline	**<30.1**	ug/kg	100	30.1	1	10/21/15 12:17	10/22/15 14:13	99-09-2	
4-Nitroaniline	**<73.6**	ug/kg	245	73.6	1	10/21/15 12:17	10/22/15 14:13	100-01-6	
Nitrobenzene	**<36.0**	ug/kg	120	36.0	1	10/21/15 12:17	10/22/15 14:13	98-95-3	
2-Nitrophenol	**<56.0**	ug/kg	187	56.0	1	10/21/15 12:17	10/22/15 14:13	88-75-5	
4-Nitrophenol	**<44.6**	ug/kg	149	44.6	1	10/21/15 12:17	10/22/15 14:13	100-02-7	
N-Nitroso-di-n-propylamine	**<28.1**	ug/kg	93.7	28.1	1	10/21/15 12:17	10/22/15 14:13	621-64-7	
N-Nitrosodiphenylamine	**<241**	ug/kg	802	241	1	10/21/15 12:17	10/22/15 14:13	86-30-6	
2,2'-Oxybis(1-chloropropane)	**<45.7**	ug/kg	152	45.7	1	10/21/15 12:17	10/22/15 14:13	108-60-1	
Pentachlorophenol	**<39.0**	ug/kg	130	39.0	1	10/21/15 12:17	10/22/15 14:13	87-86-5	
Phenanthrene	**111**	ug/kg	75.8	22.7	1	10/21/15 12:17	10/22/15 14:13	85-01-8	
Phenol	**<42.1**	ug/kg	140	42.1	1	10/21/15 12:17	10/22/15 14:13	108-95-2	
Pyrene	**125J**	ug/kg	131	39.3	1	10/21/15 12:17	10/22/15 14:13	129-00-0	
1,2,4-Trichlorobenzene	**<20.0**	ug/kg	66.8	20.0	1	10/21/15 12:17	10/22/15 14:13	120-82-1	
2,4,5-Trichlorophenol	**<31.3**	ug/kg	104	31.3	1	10/21/15 12:17	10/22/15 14:13	95-95-4	
2,4,6-Trichlorophenol	**<27.0**	ug/kg	90.1	27.0	1	10/21/15 12:17	10/22/15 14:13	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	76	%	45-130		1	10/21/15 12:17	10/22/15 14:13	4165-60-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: VL17-2 (0-5)-101515 **Lab ID: 40122963003** Collected: 10/15/15 09:20 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									
2-Fluorobiphenyl (S)	73	%	51-130		1	10/21/15 12:17	10/22/15 14:13	321-60-8	
Terphenyl-d14 (S)	73	%	37-134		1	10/21/15 12:17	10/22/15 14:13	1718-51-0	
Phenol-d6 (S)	66	%	36-130		1	10/21/15 12:17	10/22/15 14:13	13127-88-3	
2-Fluorophenol (S)	64	%	37-130		1	10/21/15 12:17	10/22/15 14:13	367-12-4	
2,4,6-Tribromophenol (S)	73	%	30-130		1	10/21/15 12:17	10/22/15 14:13	118-79-6	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Acetone	**<4.2**	ug/kg	13.3	4.2	1	10/19/15 12:00	10/20/15 02:36	67-64-1	2q
Benzene	**<1.1**	ug/kg	3.3	1.1	1	10/19/15 12:00	10/20/15 02:36	71-43-2	
Bromodichloromethane	**<0.73**	ug/kg	3.3	0.73	1	10/19/15 12:00	10/20/15 02:36	75-27-4	
Bromoform	**<0.57**	ug/kg	3.3	0.57	1	10/19/15 12:00	10/20/15 02:36	75-25-2	
Bromomethane	**<1.0**	ug/kg	6.7	1.0	1	10/19/15 12:00	10/20/15 02:36	74-83-9	
2-Butanone (MEK)	**<1.9**	ug/kg	13.3	1.9	1	10/19/15 12:00	10/20/15 02:36	78-93-3	
Carbon disulfide	**<0.86**	ug/kg	3.3	0.86	1	10/19/15 12:00	10/20/15 02:36	75-15-0	
Carbon tetrachloride	**<1.1**	ug/kg	3.3	1.1	1	10/19/15 12:00	10/20/15 02:36	56-23-5	
Chlorobenzene	**<1.1**	ug/kg	3.3	1.1	1	10/19/15 12:00	10/20/15 02:36	108-90-7	
Chloroethane	**<1.3**	ug/kg	3.3	1.3	1	10/19/15 12:00	10/20/15 02:36	75-00-3	
Chloroform	**<0.63**	ug/kg	3.3	0.63	1	10/19/15 12:00	10/20/15 02:36	67-66-3	
Chloromethane	**<0.37**	ug/kg	3.3	0.37	1	10/19/15 12:00	10/20/15 02:36	74-87-3	
Dibromochloromethane	**<1.1**	ug/kg	3.3	1.1	1	10/19/15 12:00	10/20/15 02:36	124-48-1	
1,1-Dichloroethane	**<1.6**	ug/kg	3.3	1.6	1	10/19/15 12:00	10/20/15 02:36	75-34-3	
1,2-Dichloroethane	**<0.65**	ug/kg	3.3	0.65	1	10/19/15 12:00	10/20/15 02:36	107-06-2	
1,1-Dichloroethene	**<1.5**	ug/kg	3.3	1.5	1	10/19/15 12:00	10/20/15 02:36	75-35-4	
cis-1,2-Dichloroethene	**<0.88**	ug/kg	3.3	0.88	1	10/19/15 12:00	10/20/15 02:36	156-59-2	
trans-1,2-Dichloroethene	**<0.83**	ug/kg	3.3	0.83	1	10/19/15 12:00	10/20/15 02:36	156-60-5	
1,2-Dichloropropane	**<0.84**	ug/kg	3.3	0.84	1	10/19/15 12:00	10/20/15 02:36	78-87-5	
cis-1,3-Dichloropropene	**<0.45**	ug/kg	3.3	0.45	1	10/19/15 12:00	10/20/15 02:36	10061-01-5	
trans-1,3-Dichloropropene	**<0.62**	ug/kg	3.3	0.62	1	10/19/15 12:00	10/20/15 02:36	10061-02-6	
Ethylbenzene	**<0.96**	ug/kg	3.3	0.96	1	10/19/15 12:00	10/20/15 02:36	100-41-4	
2-Hexanone	**<0.99**	ug/kg	3.3	0.99	1	10/19/15 12:00	10/20/15 02:36	591-78-6	
Methylene Chloride	**<1.2**	ug/kg	3.3	1.2	1	10/19/15 12:00	10/20/15 02:36	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	**<0.82**	ug/kg	3.3	0.82	1	10/19/15 12:00	10/20/15 02:36	108-10-1	
Methyl-tert-butyl ether	**<0.67**	ug/kg	3.3	0.67	1	10/19/15 12:00	10/20/15 02:36	1634-04-4	
Styrene	**<0.51**	ug/kg	3.3	0.51	1	10/19/15 12:00	10/20/15 02:36	100-42-5	
1,1,2,2-Tetrachloroethane	**<1.4**	ug/kg	3.3	1.4	1	10/19/15 12:00	10/20/15 02:36	79-34-5	
Tetrachloroethene	**<1.0**	ug/kg	3.3	1.0	1	10/19/15 12:00	10/20/15 02:36	127-18-4	
Toluene	**<0.99**	ug/kg	3.3	0.99	1	10/19/15 12:00	10/20/15 02:36	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/kg	3.3	1.0	1	10/19/15 12:00	10/20/15 02:36	71-55-6	
1,1,2-Trichloroethane	**<1.3**	ug/kg	3.3	1.3	1	10/19/15 12:00	10/20/15 02:36	79-00-5	
Trichloroethene	**<1.3**	ug/kg	3.3	1.3	1	10/19/15 12:00	10/20/15 02:36	79-01-6	
Vinyl chloride	**<0.36**	ug/kg	3.3	0.36	1	10/19/15 12:00	10/20/15 02:36	75-01-4	
Xylene (Total)	**<3.0**	ug/kg	10.0	3.0	1	10/19/15 12:00	10/20/15 02:36	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	107	%	70-130		1	10/19/15 12:00	10/20/15 02:36	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: VL17-2 (0-5)-101515 **Lab ID: 40122963003** Collected: 10/15/15 09:20 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)	104	%	67-138		1	10/19/15 12:00	10/20/15 02:36	2037-26-5	
4-Bromofluorobenzene (S)	91	%	68-130		1	10/19/15 12:00	10/20/15 02:36	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.8**	%	0.10	0.10	1		10/16/15 17:30		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.81**	Std. Units	0.100	0.0100	1		10/20/15 14:20		H6

REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: VL17-2 (5-9)-101515 **Lab ID: 40122963004** Collected: 10/15/15 09:30 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	**0.60J**	mg/kg	2.1	0.59	1	10/21/15 12:31	10/27/15 12:46	7440-36-0	
Arsenic	**4.8J**	mg/kg	10.4	3.3	5	10/21/15 12:31	10/25/15 11:55	7440-38-2	D3
Barium	**16.8**	mg/kg	0.52	0.12	1	10/21/15 12:31	10/27/15 12:46	7440-39-3	
Beryllium	**<0.039**	mg/kg	0.42	0.039	1	10/21/15 12:31	10/27/15 12:46	7440-41-7	
Cadmium	**<0.069**	mg/kg	0.52	0.069	1	10/21/15 12:31	10/27/15 12:46	7440-43-9	
Calcium	**183000**	mg/kg	520	14.3	5	10/21/15 12:31	10/25/15 11:55	7440-70-2	
Chromium	**5.9**	mg/kg	0.52	0.20	1	10/21/15 12:31	10/27/15 12:46	7440-47-3	
Cobalt	**2.5**	mg/kg	0.52	0.10	1	10/21/15 12:31	10/27/15 12:46	7440-48-4	
Copper	**7.0**	mg/kg	1.0	0.16	1	10/21/15 12:31	10/27/15 12:46	7440-50-8	
Iron	**6980**	mg/kg	10.4	1.7	1	10/21/15 12:31	10/27/15 12:46	7439-89-6	
Lead	**2.2**	mg/kg	1.0	0.45	1	10/21/15 12:31	10/27/15 12:46	7439-92-1	
Magnesium	**79600**	mg/kg	520	28.2	5	10/21/15 12:31	10/25/15 11:55	7439-95-4	
Manganese	**373**	mg/kg	0.52	0.053	1	10/21/15 12:31	10/27/15 12:46	7439-96-5	
Nickel	**6.7**	mg/kg	1.0	0.13	1	10/21/15 12:31	10/27/15 12:46	7440-02-0	
Potassium	**1470**	mg/kg	104	8.6	1	10/21/15 12:31	10/27/15 12:46	7440-09-7	
Selenium	**<0.80**	mg/kg	2.1	0.80	1	10/21/15 12:31	10/27/15 12:46	7782-49-2	
Silver	**<0.29**	mg/kg	1.0	0.29	1	10/21/15 12:31	10/27/15 12:46	7440-22-4	
Sodium	**282**	mg/kg	104	4.0	1	10/21/15 12:31	10/27/15 12:46	7440-23-5	
Thallium	**<0.85**	mg/kg	4.2	0.85	1	10/21/15 12:31	10/27/15 12:46	7440-28-0	
Vanadium	**13.4**	mg/kg	1.0	0.21	1	10/21/15 12:31	10/27/15 12:46	7440-62-2	
Zinc	**10.1**	mg/kg	4.2	0.40	1	10/21/15 12:31	10/27/15 12:46	7440-66-6	
6010 MET ICP, SPLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1312; 10/22/15 16:00								
Arsenic	**<0.0026**	mg/L	0.010	0.0026	1	10/26/15 08:37	10/26/15 18:38	7440-38-2	
Barium	**0.0060J**	mg/L	0.20	0.0037	1	10/26/15 08:37	10/26/15 18:38	7440-39-3	
Beryllium	**<0.00025**	mg/L	0.0050	0.00025	1	10/26/15 08:37	10/26/15 18:38	7440-41-7	
Cadmium	**<0.00027**	mg/L	0.0050	0.00027	1	10/26/15 08:37	10/26/15 18:38	7440-43-9	
Chromium	**<0.0018**	mg/L	0.010	0.0018	1	10/26/15 08:37	10/26/15 18:38	7440-47-3	
Cobalt	**<0.00050**	mg/L	0.010	0.00050	1	10/26/15 08:37	10/26/15 18:38	7440-48-4	
Copper	**0.0024J**	mg/L	0.010	0.0024	1	10/26/15 08:37	10/26/15 18:38	7440-50-8	
Iron	**0.010J**	mg/L	0.050	0.0073	1	10/26/15 08:37	10/26/15 18:38	7439-89-6	B
Lead	**<0.00084**	mg/L	0.0050	0.00084	1	10/26/15 08:37	10/26/15 18:38	7439-92-1	
Manganese	**<0.00065**	mg/L	0.010	0.00065	1	10/26/15 08:37	10/26/15 18:38	7439-96-5	
Nickel	**<0.00041**	mg/L	0.040	0.00041	1	10/26/15 08:37	10/26/15 18:38	7440-02-0	
Selenium	**<0.0024**	mg/L	0.020	0.0024	1	10/26/15 08:37	10/26/15 18:38	7782-49-2	
Silver	**<0.00032**	mg/L	0.010	0.00032	1	10/26/15 08:37	10/26/15 18:38	7440-22-4	
Zinc	**0.0027J**	mg/L	0.020	0.00076	1	10/26/15 08:37	10/26/15 18:38	7440-66-6	B
6010 Metals, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 10/22/15 16:00								
Arsenic	**0.0053J**	mg/L	0.20	0.0053	1	10/26/15 07:45	10/26/15 16:03	7440-38-2	B
Barium	**0.21J**	mg/L	2.0	0.0010	1	10/26/15 07:45	10/26/15 16:03	7440-39-3	B
Beryllium	**<0.00050**	mg/L	0.20	0.00050	1	10/26/15 07:45	10/26/15 16:03	7440-41-7	
Cadmium	**<0.00054**	mg/L	0.10	0.00054	1	10/26/15 07:45	10/26/15 16:03	7440-43-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
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(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: VL17-2 (5-9)-101515 **Lab ID: 40122963004** Collected: 10/15/15 09:30 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 Metals, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 10/22/15 16:00								
Chromium	**<0.0037**	mg/L	0.20	0.0037	1	10/26/15 07:45	10/26/15 16:03	7440-47-3	
Cobalt	**0.0044J**	mg/L	0.20	0.0010	1	10/26/15 07:45	10/26/15 16:03	7440-48-4	
Copper	**0.015J**	mg/L	0.20	0.0048	1	10/26/15 07:45	10/26/15 16:03	7440-50-8	B
Iron	**<0.015**	mg/L	1.0	0.015	1	10/26/15 07:45	10/26/15 16:03	7439-89-6	
Lead	**<0.0017**	mg/L	0.20	0.0017	1	10/26/15 07:45	10/26/15 16:03	7439-92-1	
Manganese	**1.6**	mg/L	0.13	0.0013	1	10/26/15 07:45	10/26/15 16:03	7439-96-5	
Nickel	**0.016J**	mg/L	0.20	0.00082	1	10/26/15 07:45	10/26/15 16:03	7440-02-0	
Selenium	**0.0065J**	mg/L	0.20	0.0049	1	10/26/15 07:45	10/26/15 16:03	7782-49-2	B
Silver	**<0.00065**	mg/L	0.20	0.00065	1	10/26/15 07:45	10/26/15 16:03	7440-22-4	
Zinc	**0.038J**	mg/L	0.20	0.0015	1	10/26/15 07:45	10/26/15 16:03	7440-66-6	B
7470 Mercury, SPLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1312; 10/22/15 16:00								
Mercury	**<0.000024**	mg/L	0.00020	0.000024	1	10/26/15 08:39	10/26/15 16:21	7439-97-6	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 10/22/15 16:00								
Mercury	**<0.000024**	mg/L	0.00020	0.000024	1	10/26/15 08:28	10/26/15 15:43	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.010**	mg/kg	0.0086	0.0023	1	10/26/15 10:45	10/26/15 18:06	7439-97-6	B
8270 MSSV FULL LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<62.3**	ug/kg	208	62.3	1	10/21/15 12:17	10/22/15 10:17	83-32-9	
Acenaphthylene	**<62.7**	ug/kg	209	62.7	1	10/21/15 12:17	10/22/15 10:17	208-96-8	
Anthracene	**<28.1**	ug/kg	93.7	28.1	1	10/21/15 12:17	10/22/15 10:17	120-12-7	
Benzo(a)anthracene	**<27.2**	ug/kg	90.8	27.2	1	10/21/15 12:17	10/22/15 10:17	56-55-3	
Benzo(a)pyrene	**<26.5**	ug/kg	88.2	26.5	1	10/21/15 12:17	10/22/15 10:17	50-32-8	
Benzo(b)fluoranthene	**<30.2**	ug/kg	101	30.2	1	10/21/15 12:17	10/22/15 10:17	205-99-2	
Benzo(g,h,i)perylene	**<46.0**	ug/kg	153	46.0	1	10/21/15 12:17	10/22/15 10:17	191-24-2	
Benzo(k)fluoranthene	**<42.1**	ug/kg	140	42.1	1	10/21/15 12:17	10/22/15 10:17	207-08-9	
4-Bromophenylphenyl ether	**<36.8**	ug/kg	123	36.8	1	10/21/15 12:17	10/22/15 10:17	101-55-3	
Butylbenzylphthalate	**<28.2**	ug/kg	94.0	28.2	1	10/21/15 12:17	10/22/15 10:17	85-68-7	
Carbazole	**<27.5**	ug/kg	91.7	27.5	1	10/21/15 12:17	10/22/15 10:17	86-74-8	
4-Chloro-3-methylphenol	**<54.7**	ug/kg	182	54.7	1	10/21/15 12:17	10/22/15 10:17	59-50-7	
4-Chloroaniline	**<28.9**	ug/kg	96.3	28.9	1	10/21/15 12:17	10/22/15 10:17	106-47-8	
bis(2-Chloroethoxy)methane	**<47.3**	ug/kg	158	47.3	1	10/21/15 12:17	10/22/15 10:17	111-91-1	
bis(2-Chloroethyl) ether	**<54.9**	ug/kg	183	54.9	1	10/21/15 12:17	10/22/15 10:17	111-44-4	
2-Chloronaphthalene	**<22.6**	ug/kg	75.2	22.6	1	10/21/15 12:17	10/22/15 10:17	91-58-7	
2-Chlorophenol	**<43.9**	ug/kg	146	43.9	1	10/21/15 12:17	10/22/15 10:17	95-57-8	
4-Chlorophenylphenyl ether	**<32.7**	ug/kg	109	32.7	1	10/21/15 12:17	10/22/15 10:17	7005-72-3	
Chrysene	**<26.3**	ug/kg	87.6	26.3	1	10/21/15 12:17	10/22/15 10:17	218-01-9	
Dibenz(a,h)anthracene	**<47.8**	ug/kg	159	47.8	1	10/21/15 12:17	10/22/15 10:17	53-70-3	
Dibenzofuran	**<21.3**	ug/kg	70.9	21.3	1	10/21/15 12:17	10/22/15 10:17	132-64-9	

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: VL17-2 (5-9)-101515 **Lab ID: 40122963004** Collected: 10/15/15 09:30 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	**<55.3**	ug/kg	184	55.3	1	10/21/15 12:17	10/22/15 10:17	95-50-1	
1,3-Dichlorobenzene	**<24.3**	ug/kg	81.2	24.3	1	10/21/15 12:17	10/22/15 10:17	541-73-1	
1,4-Dichlorobenzene	**<24.5**	ug/kg	81.6	24.5	1	10/21/15 12:17	10/22/15 10:17	106-46-7	
3,3'-Dichlorobenzidine	**<47.7**	ug/kg	159	47.7	1	10/21/15 12:17	10/22/15 10:17	91-94-1	
2,4-Dichlorophenol	**<47.0**	ug/kg	157	47.0	1	10/21/15 12:17	10/22/15 10:17	120-83-2	
Diethylphthalate	**<29.2**	ug/kg	97.2	29.2	1	10/21/15 12:17	10/22/15 10:17	84-66-2	
2,4-Dimethylphenol	**<34.8**	ug/kg	116	34.8	1	10/21/15 12:17	10/22/15 10:17	105-67-9	
Dimethylphthalate	**<22.9**	ug/kg	76.2	22.9	1	10/21/15 12:17	10/22/15 10:17	131-11-3	
Di-n-butylphthalate	**<26.3**	ug/kg	87.6	26.3	1	10/21/15 12:17	10/22/15 10:17	84-74-2	
4,6-Dinitro-2-methylphenol	**<54.2**	ug/kg	181	54.2	1	10/21/15 12:17	10/22/15 10:17	534-52-1	
2,4-Dinitrophenol	**<53.6**	ug/kg	179	53.6	1	10/21/15 12:17	10/22/15 10:17	51-28-5	
2,4-Dinitrotoluene	**<25.1**	ug/kg	83.8	25.1	1	10/21/15 12:17	10/22/15 10:17	121-14-2	
2,6-Dinitrotoluene	**<33.4**	ug/kg	111	33.4	1	10/21/15 12:17	10/22/15 10:17	606-20-2	
Di-n-octylphthalate	**<39.5**	ug/kg	132	39.5	1	10/21/15 12:17	10/22/15 10:17	117-84-0	
bis(2-Ethylhexyl)phthalate	**<29.2**	ug/kg	97.4	29.2	1	10/21/15 12:17	10/22/15 10:17	117-81-7	
Fluoranthene	**<24.9**	ug/kg	82.9	24.9	1	10/21/15 12:17	10/22/15 10:17	206-44-0	
Fluorene	**<20.5**	ug/kg	68.5	20.5	1	10/21/15 12:17	10/22/15 10:17	86-73-7	
Hexachloro-1,3-butadiene	**<44.8**	ug/kg	149	44.8	1	10/21/15 12:17	10/22/15 10:17	87-68-3	
Hexachlorobenzene	**<29.6**	ug/kg	98.6	29.6	1	10/21/15 12:17	10/22/15 10:17	118-74-1	
Hexachlorocyclopentadiene	**<41.6**	ug/kg	139	41.6	1	10/21/15 12:17	10/22/15 10:17	77-47-4	
Hexachloroethane	**<28.1**	ug/kg	93.8	28.1	1	10/21/15 12:17	10/22/15 10:17	67-72-1	
Indeno(1,2,3-cd)pyrene	**<38.0**	ug/kg	127	38.0	1	10/21/15 12:17	10/22/15 10:17	193-39-5	
Isophorone	**<27.0**	ug/kg	90.1	27.0	1	10/21/15 12:17	10/22/15 10:17	78-59-1	
2-Methylnaphthalene	**<45.7**	ug/kg	152	45.7	1	10/21/15 12:17	10/22/15 10:17	91-57-6	
2-Methylphenol(o-Cresol)	**<31.9**	ug/kg	106	31.9	1	10/21/15 12:17	10/22/15 10:17	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<32.2**	ug/kg	107	32.2	1	10/21/15 12:17	10/22/15 10:17		
Naphthalene	**<61.5**	ug/kg	205	61.5	1	10/21/15 12:17	10/22/15 10:17	91-20-3	
2-Nitroaniline	**<50.1**	ug/kg	167	50.1	1	10/21/15 12:17	10/22/15 10:17	88-74-4	
3-Nitroaniline	**<29.9**	ug/kg	99.7	29.9	1	10/21/15 12:17	10/22/15 10:17	99-09-2	
4-Nitroaniline	**<73.0**	ug/kg	243	73.0	1	10/21/15 12:17	10/22/15 10:17	100-01-6	
Nitrobenzene	**<35.7**	ug/kg	119	35.7	1	10/21/15 12:17	10/22/15 10:17	98-95-3	
2-Nitrophenol	**<55.5**	ug/kg	185	55.5	1	10/21/15 12:17	10/22/15 10:17	88-75-5	
4-Nitrophenol	**<44.3**	ug/kg	148	44.3	1	10/21/15 12:17	10/22/15 10:17	100-02-7	
N-Nitroso-di-n-propylamine	**<27.9**	ug/kg	92.9	27.9	1	10/21/15 12:17	10/22/15 10:17	621-64-7	
N-Nitrosodiphenylamine	**<239**	ug/kg	795	239	1	10/21/15 12:17	10/22/15 10:17	86-30-6	
2,2'-Oxybis(1-chloropropane)	**<45.3**	ug/kg	151	45.3	1	10/21/15 12:17	10/22/15 10:17	108-60-1	
Pentachlorophenol	**<38.7**	ug/kg	129	38.7	1	10/21/15 12:17	10/22/15 10:17	87-86-5	
Phenanthrene	**<22.6**	ug/kg	75.2	22.6	1	10/21/15 12:17	10/22/15 10:17	85-01-8	
Phenol	**<41.7**	ug/kg	139	41.7	1	10/21/15 12:17	10/22/15 10:17	108-95-2	
Pyrene	**<39.0**	ug/kg	130	39.0	1	10/21/15 12:17	10/22/15 10:17	129-00-0	
1,2,4-Trichlorobenzene	**<19.9**	ug/kg	66.2	19.9	1	10/21/15 12:17	10/22/15 10:17	120-82-1	
2,4,5-Trichlorophenol	**<31.1**	ug/kg	104	31.1	1	10/21/15 12:17	10/22/15 10:17	95-95-4	
2,4,6-Trichlorophenol	**<26.8**	ug/kg	89.3	26.8	1	10/21/15 12:17	10/22/15 10:17	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	70	%	45-130		1	10/21/15 12:17	10/22/15 10:17	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: VL17-2 (5-9)-101515 **Lab ID: 40122963004** Collected: 10/15/15 09:30 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									
2-Fluorobiphenyl (S)	75	%	51-130		1	10/21/15 12:17	10/22/15 10:17	321-60-8	
Terphenyl-d14 (S)	90	%	37-134		1	10/21/15 12:17	10/22/15 10:17	1718-51-0	
Phenol-d6 (S)	65	%	36-130		1	10/21/15 12:17	10/22/15 10:17	13127-88-3	
2-Fluorophenol (S)	61	%	37-130		1	10/21/15 12:17	10/22/15 10:17	367-12-4	
2,4,6-Tribromophenol (S)	84	%	30-130		1	10/21/15 12:17	10/22/15 10:17	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	10/20/15 12:00	10/20/15 10:36	67-64-1	2q
Benzene	**<1.1**	ug/kg	3.3	1.1	1	10/20/15 12:00	10/20/15 10:36	71-43-2	
Bromodichloromethane	**<0.73**	ug/kg	3.3	0.73	1	10/20/15 12:00	10/20/15 10:36	75-27-4	
Bromoform	**<0.56**	ug/kg	3.3	0.56	1	10/20/15 12:00	10/20/15 10:36	75-25-2	
Bromomethane	**<0.99**	ug/kg	6.6	0.99	1	10/20/15 12:00	10/20/15 10:36	74-83-9	
2-Butanone (MEK)	**<1.9**	ug/kg	13.3	1.9	1	10/20/15 12:00	10/20/15 10:36	78-93-3	
Carbon disulfide	**<0.86**	ug/kg	3.3	0.86	1	10/20/15 12:00	10/20/15 10:36	75-15-0	
Carbon tetrachloride	**<1.1**	ug/kg	3.3	1.1	1	10/20/15 12:00	10/20/15 10:36	56-23-5	
Chlorobenzene	**<1.1**	ug/kg	3.3	1.1	1	10/20/15 12:00	10/20/15 10:36	108-90-7	
Chloroethane	**<1.3**	ug/kg	3.3	1.3	1	10/20/15 12:00	10/20/15 10:36	75-00-3	
Chloroform	**<0.63**	ug/kg	3.3	0.63	1	10/20/15 12:00	10/20/15 10:36	67-66-3	
Chloromethane	**<0.37**	ug/kg	3.3	0.37	1	10/20/15 12:00	10/20/15 10:36	74-87-3	
Dibromochloromethane	**<1.1**	ug/kg	3.3	1.1	1	10/20/15 12:00	10/20/15 10:36	124-48-1	
1,1-Dichloroethane	**<1.6**	ug/kg	3.3	1.6	1	10/20/15 12:00	10/20/15 10:36	75-34-3	
1,2-Dichloroethane	**<0.65**	ug/kg	3.3	0.65	1	10/20/15 12:00	10/20/15 10:36	107-06-2	
1,1-Dichloroethene	**<1.5**	ug/kg	3.3	1.5	1	10/20/15 12:00	10/20/15 10:36	75-35-4	
cis-1,2-Dichloroethene	**<0.88**	ug/kg	3.3	0.88	1	10/20/15 12:00	10/20/15 10:36	156-59-2	
trans-1,2-Dichloroethene	**<0.82**	ug/kg	3.3	0.82	1	10/20/15 12:00	10/20/15 10:36	156-60-5	
1,2-Dichloropropane	**<0.84**	ug/kg	3.3	0.84	1	10/20/15 12:00	10/20/15 10:36	78-87-5	
cis-1,3-Dichloropropene	**<0.44**	ug/kg	3.3	0.44	1	10/20/15 12:00	10/20/15 10:36	10061-01-5	
trans-1,3-Dichloropropene	**<0.61**	ug/kg	3.3	0.61	1	10/20/15 12:00	10/20/15 10:36	10061-02-6	
Ethylbenzene	**<0.96**	ug/kg	3.3	0.96	1	10/20/15 12:00	10/20/15 10:36	100-41-4	
2-Hexanone	**<0.98**	ug/kg	3.3	0.98	1	10/20/15 12:00	10/20/15 10:36	591-78-6	
Methylene Chloride	**<1.2**	ug/kg	3.3	1.2	1	10/20/15 12:00	10/20/15 10:36	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	**<0.81**	ug/kg	3.3	0.81	1	10/20/15 12:00	10/20/15 10:36	108-10-1	
Methyl-tert-butyl ether	**<0.67**	ug/kg	3.3	0.67	1	10/20/15 12:00	10/20/15 10:36	1634-04-4	
Styrene	**<0.50**	ug/kg	3.3	0.50	1	10/20/15 12:00	10/20/15 10:36	100-42-5	
1,1,2,2-Tetrachloroethane	**<1.4**	ug/kg	3.3	1.4	1	10/20/15 12:00	10/20/15 10:36	79-34-5	
Tetrachloroethene	**<1.0**	ug/kg	3.3	1.0	1	10/20/15 12:00	10/20/15 10:36	127-18-4	
Toluene	**<0.99**	ug/kg	3.3	0.99	1	10/20/15 12:00	10/20/15 10:36	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/kg	3.3	1.0	1	10/20/15 12:00	10/20/15 10:36	71-55-6	
1,1,2-Trichloroethane	**<1.3**	ug/kg	3.3	1.3	1	10/20/15 12:00	10/20/15 10:36	79-00-5	
Trichloroethene	**<1.3**	ug/kg	3.3	1.3	1	10/20/15 12:00	10/20/15 10:36	79-01-6	
Vinyl chloride	**<0.36**	ug/kg	3.3	0.36	1	10/20/15 12:00	10/20/15 10:36	75-01-4	
Xylene (Total)	**<3.0**	ug/kg	10	3.0	1	10/20/15 12:00	10/20/15 10:36	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	113	%	70-130		1	10/20/15 12:00	10/20/15 10:36	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: VL17-2 (5-9)-101515 **Lab ID: 40122963004** Collected: 10/15/15 09:30 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)	110	%	67-138		1	10/20/15 12:00	10/20/15 10:36	2037-26-5	
4-Bromofluorobenzene (S)	92	%	68-130		1	10/20/15 12:00	10/20/15 10:36	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.1**	%	0.10	0.10	1		10/16/15 17:30		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.59**	Std. Units	0.100	0.0100	1		10/20/15 14:20		H6

REPORT OF LABORATORY ANALYSIS

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

Pace Analytical®
www.pacelabs.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

(Please Print Clearly)	
Company Name:	EDE
Branch/Location:	
Project Contact:	Patricia/Colin
Phone:	
Project Number:	0295.020
Project Name:	FAESS
Project State:	
Sampled By (Print):	Colin Parrish
Sampled By (Sign):	
PO #:	Regulatory Program:

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

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	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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	VOCs	SVOCs	Total Metals	TCLP Metals	SPLP Metals	pH	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	VL17-1(0-5)-101515	10/15/15	0850	Soil			X	X	X	X	X	X		3-40mlv EEF 3-4oz jar	
002	VL17-1(5-9)-101515	10/15/15	0900												
003	VL17-2(0-5)-101515		0920												
004	VL17-2(5-9)-101515		0930												
005	VL17-3(0-5)-101515		0945												
006	VL17-3(5-9)-101515		0955												
007	BP16-1(0-5)-101515		1020												
008	BP16-1(0-5)-101515D		1025												
009	BP16-1(5-9)-101515		1040												
010	BP16-2(0-5)-101515		1105												
011	BP16-2(5-10)-101515		1115												
012	SR-19(0-4)-101515		1140				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:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	10/15/15 1552	Brian Krzyzanski	10/15/15 1552
Brian Krzyzanski	10/15/15 1720	CH Aycock	10/15/15
CS Logistics	10/16/15 0830	Pace Pan	10/16/15 0830

PACE Project No.

Receipt Temp = 3.0 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

CHAIN OF COUNTY

(Please Print Clearly)

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

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

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

Page 1 of

40122963

*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

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

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

FILTERED? (YES/NO) — Y/N
PRESERVATION (CODE)* — Pick Letter

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	VOCs	SVOCs	Total Metals	TCLP Metals	SPLP Metals	pH	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
013	PG-2(0-7)-101515	10/15/15	1230	Soil	X	X	X	X	X	X		3-40mlv EEF	3-4oz A
014	PG-3(0-5)-101515		1240										
015	PG-3(5-9)-101515		1250										
016	PG-4(0-7)-101515		1310										
017	AL2-5(0-5)-101515		1330										
018	AL2-5(5-9)-101515		1340										
019	AL2-4(0-5)-101515		1430										
020	AL2-4(5-9)-101515		1440										
021	AL1-7(0-4)-101515		1500										
022	AL1-7(0-4)-101515D		1505		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:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	10/15/15 1552	Brian Kruzynski	10/15/15 1552
Brian Kruzynski	10/15/15 1730	CD Logistic	10/15/15
CS Logistics	10/16/15 0830	Renee Pace	10/16/15 0830

PACE Project No.

Receipt Temp = 3.0 °C

Sample Receipt pH
OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Illinois Environmental Protection Agency

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, incldluding number and street):
23000-24000 blocks of 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: 41.456808989 (Decimal Degrees) Longitude: -88.197249933 (-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

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

Latitude: 41.456808989 Longitude: -88.197249933

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-14, SR-17, SR-18, 55-2, 55-3, 55-10, AND 55-22 WERE SAMPLED ADJACENT TO ISGS SITE No. 693V-19. 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:40122748 AND 40122963
TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-83013-1 AND 500-83014-1
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:

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-14 (0-4)-101515	SR-17 (0-7)-101215	SR-17 (0-7)-101215D	SR-17 (7-15)-101215	SR-18 (0-6)-101215	SR-18 (6-12)-101215	SR-18 (12-15)-101215	55-2(0-5)-082614	55-2(5-10)-082614	Soil Reference Concentrations[A]
Sample Date	10/15/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	8/26/2014	8/26/2014	
Location ID	SR-14	SR-17	SR-17	SR-17	SR-18	SR-18	SR-18	55-2	55-2	
Depth	0 - 4	0 - 7	0 - 7	7 - 15	0 - 6	6 - 12	12 - 15	0 - 5	5 - 10	
Lab Sample ID	40122963012	40122748014	40122748015	40122748016	40122748017	40122748018	40122748019	500-83013-4	500-83013-5	
Location Code	693V-19	693V-19	693V-19	693V-19	693V-19	693V-19	693V-19	693V-19	693V-19	
Parameter										
Laboratory pH	8.73 J	8.76 J	8.69 J	8.57 J	8.78 J	8.85 J	8.85 J	8.27	7.93	<6.25, >9.0
VOCs (ug/kg)										
SVOCs (ug/kg)										
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	160	94	900 / 1100 / 1800
Benzo(a)pyrene	31.5 J	ND	ND	ND	ND	ND	ND	190	71	90 / 1300 / 2100
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	11 J	90 / 200 / 420
Total Metals (mg/kg)										
Antimony, Total	ND	0.84 J	0.93 J	0.93 J	0.94 J	ND	0.83 J	ND	ND	5
Barium, Total	53.3	20.9	14	11.1	19.9	10	13.9	30	19	1500
Beryllium, Total	0.35 J	0.12	0.096	0.15	0.13	0.13	0.095	0.31	0.22	22
Cadmium, Total	ND	0.21 J	0.19 J	0.28 J	0.28 J	0.22 J	0.23 J	0.31	0.19	5.2
Calcium, Total	106000	149000	162000	131000	152000	119000	167000	150000 J	110000 J	---
Chromium, Total	13.4	5.7	5.4	5.2	4.6	5.3	4.8	8.2	5.5	21
Cobalt, Total	4.7	2	1.4	3	1.9	2.3	1.8	3.6	2.5	20
Copper, Total	13.8	6.5	4.8	11.6	6.1	7.2	5.5	11	7.4	2900
Iron, Total	12400	6620	5260	8800	5650	6360	7850	13000 J+	13000 J+	15000 / 15900
Lead, Total	13.9	3.9	2.9	5.7	5	4.5	3.4	21	10	107
Magnesium, Total	56100	71400	82500	67500	78500	63400	76300	83000 J	57000 J	325000
Manganese, Total	535	441	366	246	371	223	416	390	300	630 / 636
Mercury, Total	ND	0.0025 J	0.0065 J	0.0061 J	0.0087 J	ND	0.007 J	0.019	0.0071 J	0.89
Nickel, Total	11.6	5.2	3.7	6.7	4.4	6	4.3	8.5	5.9	100
Potassium, Total	2180	944 J	930 J	1160 J	876 J	994 J	835 J	1500	1200	---
Selenium, Total	ND	1.5 J	1.3 J	1.1 J	1.3 J	0.93 J	1.5 J	ND	ND	1.3
Silver, Total	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.4
Sodium, Total	972	925	794	265	923	308	438	1700	800	---
Thallium, Total	ND	ND	ND	ND	ND	ND	ND	0.47 J	0.37 J	2.6
Vanadium, Total	23.8	10	6.9	8.3	8.1	8.8	7.3	14 B	11 B	550
Zinc, Total	37.6	18.3	14.2	31.8	21.6	14.4	13	27	17	5100
TCLP Metals (mg/l)										
Barium, TCLP	0.61	0.4	0.31	0.12 J	0.53	0.19 J	0.19 J	0.41 J	0.54	2
Cadmium, TCLP	ND	0.0027 J	0.0013 J	0.0025 J	ND	0.0024 J	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	0.017	0.015	ND	0.024	0.022	0.02	0.022	0.014 J	0.015 J	1
Copper, TCLP	ND	ND	ND	ND	ND	ND	ND	0.037	0.017 J	0.65
Iron, TCLP	ND	ND	ND	ND	ND	ND	0.11	ND	0.23	5
Lead, TCLP	0.0039 J	ND	ND	ND	0.0064 J	ND	0.002 J	0.01	0.011	0.0075
Manganese, TCLP	6.9 J	6.7 J	1.9 J	3.3	6.3 J	5.9	5.6 J	4.6	5.3	0.15
Mercury, TCLP	ND	ND	ND	ND	0.0012	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	0.043 J	ND	0.034	0.038	0.051	0.045	0.024 J	0.024 J	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	ND	ND	ND	0.091 J	ND	ND	0.19	0.22	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-14 (0-4)-101515	SR-17 (0-7)-101215	SR-17 (0-7)-101215D	SR-17 (7-15)-101215	SR-18 (0-6)-101215	SR-18 (6-12)-101215	SR-18 (12-15)-101215	55-2(0-5)-082614	55-2(5-10)-082614	**Soil Reference Concentrations[A]**
Sample Date	10/15/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	10/12/2015	8/26/2014	8/26/2014	
Location ID	SR-14	SR-17	SR-17	SR-17	SR-18	SR-18	SR-18	55-2	55-2	
Depth	0 - 4	0 - 7	0 - 7	7 - 15	0 - 6	6 - 12	12 - 15	0 - 5	5 - 10	
Lab Sample ID	40122963012	40122748014	40122748015	40122748016	40122748017	40122748018	40122748019	500-83013-4	500-83013-5	
Location Code	693V-19	693V-19	693V-19	693V-19	693V-19	693V-19	693V-19	693V-19	693V-19	
Parameter										
SPLP Metals (mg/l)										
Arsenic, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, SPLP	0.02 J	ND	ND	ND	ND	ND	ND	0.11 J	0.099 J	2
Cadmium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.0042 J	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
Copper, SPLP	ND	ND	ND	ND	ND	ND	ND	0.024 J	0.018 J	0.65
Iron, SPLP	3.1	ND	ND	ND	1.8	ND	ND	4	2.3	5
Lead, SPLP	0.0062	ND	ND	ND	ND	ND	ND	0.053	0.03	0.0075
Manganese, SPLP	0.058	ND	ND	ND	ND	ND	ND	0.36	0.21	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	0.00044 J	ND	ND	ND	0.002
Nickel, SPLP	ND	0.0021 J	0.0025 J	0.00089 J	0.0037 J	0.00093 J	0.0015 J	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	ND	ND	ND	ND	ND	ND	ND	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	55-3(0-8)-082614	55-3(8-16)-082614	55-3(16-18)-082614	55-10(0-8)-082614	55-10(8-16)-082614	55-10(16-23)-082614	55-10(16-23)-082614D	55-22(0-5)-082614	55-22(5-10)-082614	Soil Reference Concentrations[A]
Sample Date	8/26/2014	8/26/2014	8/26/2014	8/26/2014	8/26/2014	8/26/2014	8/26/2014	8/26/2014	8/26/2014	
Location ID	55-3	55-3	55-3	55-10	55-10	55-10	55-10	55-22	55-22	
Depth	0 - 8	8 - 16	16 - 18	0 - 8	8 - 16	16 - 23	16 - 23	0 - 5	5 - 10	
Lab Sample ID	500-83013-11	500-83013-12	500-83014-13	500-83014-7	500-83014-8	500-83014-9	500-83014-10	500-83013-9	500-83013-10	
Location Code	693V-19	693V-19	693V-19	693V-19	693V-19	693V-19	693V-19	693V-19	693V-19	
Parameter										
Laboratory pH	8.33	8.58	8.77	8.46	7.9	8.87	8.96	8.16	8.27	<6.25, >9.0
VOCs (ug/kg)										
SVOCs (ug/kg)										
Benzo(a)anthracene	ND	ND	ND	18 J	ND	8.5 J	20 J	ND	ND	900 / 1100 / 1800
Benzo(a)pyrene	ND	ND	ND	17 J	ND	ND	16 J	23 J	ND	90 / 1300 / 2100
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	90 / 200 / 420
Total Metals (mg/kg)										
Antimony, Total	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
Barium, Total	15	18	7.7 J	40 J	92 J	8.7 J	8.7 J	19	14	1500
Beryllium, Total	0.19 J	0.52 J	ND	0.37	0.71	0.15 J	0.17 J	0.23	ND	22
Cadmium, Total	0.25	0.41 J	ND	0.29 J-	0.052 J	0.15 J-	0.18 J-	0.23	0.5 J	5.2
Calcium, Total	100000 J	160000 J	160000 J	110000 J	5300 J	130000 J	140000 J	140000 J	170000 J	---
Chromium, Total	15	4.7 J	4.4 J	8.3 J	21 J	4.5 J	4.2 J	7	6.9 B	21
Cobalt, Total	2.6	5.9	2.6 J-	3.7 J-	8.8 J-	2 J-	1.9 J-	3.2	3.5	20
Copper, Total	10	27	7	11	20	6.5	6.9	10	12	2900
Iron, Total	16000 J+	16000 J+	7900 J	9200 J	22000 J	6600 J	6700 J	14000 J+	15000 J+	15000 / 15900
Lead, Total	5.1	5.1 B	3.6 J	12 J	11 J	3.7 J	3.6 J	8.6	6.9 B	107
Magnesium, Total	59000 J	88000 J	96000 J	53000 J	4400 J	72000 J	79000 J	73000 J	90000 J	325000
Manganese, Total	310	420	340 J	410 J	560 J	400 J	330 J	290	520	630 / 636
Mercury, Total	ND	0.0069 J	ND	0.022	0.032	ND	ND	ND	ND	0.89
Nickel, Total	7.4	12	5.7 J-	8.9 J-	20 J-	5.5 J-	5.3 J-	7.4	8.4	100
Potassium, Total	1000	560	550 J	1600 J	2200 J	1000 J	1300 J	1200	590	---
Selenium, Total	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3
Silver, Total	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.4
Sodium, Total	610	540	270 J	1300 J	1400 J	640 J	720 J	290	210 J	---
Thallium, Total	ND	ND	ND	0.55 J	1	0.3 J	ND	ND	ND	2.6
Vanadium, Total	9 B	29	6.4 J-	14 J-	35 J-	6.7 J-	7.2 J-	11 B	8.7	550
Zinc, Total	15	31	21 J	22 J	46 J	14 J	14 J	22	48	5100
TCLP Metals (mg/l)										
Barium, TCLP	0.37 J	0.32 J	0.32 J	0.57	0.65	0.27 J	0.28 J	0.41 J	0.26 J	2
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	0.027	0.054	ND	0.013 J	0.015 J	ND	ND	ND	ND	1
Copper, TCLP	0.018 J	0.049	0.032	0.034	0.04	0.028	0.043	0.027	0.04	0.65
Iron, TCLP	ND	0.25	ND	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	0.0083	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	5.6	4.3	1.8	6.6	4.7	1.1	1.4	0.76	1.1	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.047	0.039	0.019 J	0.015 J	0.014 J	0.012 J	0.013 J	0.01 J	0.013 J	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	0.2 B	0.17 B	0.21	0.25	0.24	0.2	0.19	0.22	0.18	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	55-3(0-8)-082614	55-3(8-16)-082614	55-3(16-18)-082614	55-10(0-8)-082614	55-10(8-16)-082614	55-10(16-23)-082614	55-10(16-23)-082614D	55-22(0-5)-082614	55-22(5-10)-082614	**Soil Reference Concentrations[A]**
Sample Date	8/26/2014	8/26/2014	8/26/2014	8/26/2014	8/26/2014	8/26/2014	8/26/2014	8/26/2014	8/26/2014	
Location ID	55-3	55-3	55-3	55-10	55-10	55-10	55-10	55-22	55-22	
Depth	0 - 8	8 - 16	16 - 18	0 - 8	8 - 16	16 - 23	16 - 23	0 - 5	5 - 10	
Lab Sample ID	500-83013-11	500-83013-12	500-83014-13	500-83014-7	500-83014-8	500-83014-9	500-83014-10	500-83013-9	500-83013-10	
Location Code	693V-19	693V-19	693V-19	693V-19	693V-19	693V-19	693V-19	693V-19	693V-19	
Parameter										
SPLP Metals (mg/l)										
Arsenic, SPLP	ND	ND	ND	0.015 J	0.014 J	ND	ND	ND	ND	0.05
Barium, SPLP	ND	ND	0.098 J	0.51	0.47 J	0.36 J	0.15 J	ND	ND	2
Cadmium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	ND	ND	ND	0.053	0.047	0.023 J	ND	ND	ND	0.1
Cobalt, SPLP	ND	ND	ND	0.012 J	0.012 J	ND	ND	ND	ND	1
Copper, SPLP	ND	ND	0.01 J	0.075	0.18	0.042 J	0.072 J	ND	ND	0.65
Iron, SPLP	ND	ND	6.6	43	35	11 J	ND	1.2	ND	5
Lead, SPLP	ND	ND	ND	0.058	0.17	ND	ND	ND	ND	0.0075
Manganese, SPLP	ND	ND	0.22	0.57	0.57	0.075 J	ND	0.032	ND	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	ND	ND	0.043	0.036	0.01 J	ND	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	ND	ND	ND	0.49 B	0.48 B	ND	ND	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.

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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: 500-83013-1
Client Project/Site: IDOT - Channahon - WO 085

For:
Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. S. Babusukumar

Jodie Bracken

Authorized for release by:
9/10/2014 5:08:36 PM
Jodie Bracken, Project Management Assistant II
jodie.bracken@testamericainc.com

Designee for

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-2(0-5)-082614
Date Collected: 08/26/14 08:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-4
Matrix: Solid
Percent Solids: 90.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**45**		5.5	2.4	ug/Kg	☼		08/28/14 19:29	1
Benzene	<5.5		5.5	0.76	ug/Kg	☼		08/28/14 19:29	1
Bromodichloromethane	<5.5		5.5	0.95	ug/Kg	☼		08/28/14 19:29	1
Bromoform	<5.5		5.5	1.3	ug/Kg	☼		08/28/14 19:29	1
Bromomethane	<5.5		5.5	1.7	ug/Kg	☼		08/28/14 19:29	1
Carbon disulfide	<5.5		5.5	0.82	ug/Kg	☼		08/28/14 19:29	1
Carbon tetrachloride	<5.5		5.5	1.0	ug/Kg	☼		08/28/14 19:29	1
Chlorobenzene	<5.5		5.5	0.56	ug/Kg	☼		08/28/14 19:29	1
Chloroethane	<5.5		5.5	1.5	ug/Kg	☼		08/28/14 19:29	1
Chloroform	<5.5		5.5	0.63	ug/Kg	☼		08/28/14 19:29	1
Chloromethane	<5.5		5.5	1.2	ug/Kg	☼		08/28/14 19:29	1
cis-1,2-Dichloroethene	<5.5		5.5	0.78	ug/Kg	☼		08/28/14 19:29	1
cis-1,3-Dichloropropene	<5.5		5.5	0.72	ug/Kg	☼		08/28/14 19:29	1
Dibromochloromethane	<5.5		5.5	0.96	ug/Kg	☼		08/28/14 19:29	1
1,1-Dichloroethane	<5.5		5.5	0.87	ug/Kg	☼		08/28/14 19:29	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		08/28/14 19:29	1
1,1-Dichloroethene	<5.5		5.5	0.89	ug/Kg	☼		08/28/14 19:29	1
1,2-Dichloropropane	<5.5		5.5	0.84	ug/Kg	☼		08/28/14 19:29	1
1,3-Dichloropropene, Total	<5.5		5.5	0.72	ug/Kg	☼		08/28/14 19:29	1
Ethylbenzene	<5.5		5.5	1.1	ug/Kg	☼		08/28/14 19:29	1
2-Hexanone	<5.5		5.5	1.6	ug/Kg	☼		08/28/14 19:29	1
Methylene Chloride	<5.5		5.5	1.5	ug/Kg	☼		08/28/14 19:29	1
Methyl Ethyl Ketone	**8.4**		5.5	2.0	ug/Kg	☼		08/28/14 19:29	1
methyl isobutyl ketone	<5.5		5.5	1.4	ug/Kg	☼		08/28/14 19:29	1
Methyl tert-butyl ether	<5.5		5.5	0.91	ug/Kg	☼		08/28/14 19:29	1
Styrene	<5.5		5.5	0.72	ug/Kg	☼		08/28/14 19:29	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/28/14 19:29	1
Tetrachloroethene	<5.5		5.5	0.84	ug/Kg	☼		08/28/14 19:29	1
Toluene	<5.5		5.5	0.77	ug/Kg	☼		08/28/14 19:29	1
trans-1,2-Dichloroethene	<5.5		5.5	0.76	ug/Kg	☼		08/28/14 19:29	1
trans-1,3-Dichloropropene	<5.5		5.5	0.99	ug/Kg	☼		08/28/14 19:29	1
1,1,1-Trichloroethane	<5.5		5.5	0.82	ug/Kg	☼		08/28/14 19:29	1
1,1,2-Trichloroethane	<5.5		5.5	0.75	ug/Kg	☼		08/28/14 19:29	1
Trichloroethene	<5.5		5.5	0.91	ug/Kg	☼		08/28/14 19:29	1
Vinyl chloride	<5.5		5.5	1.2	ug/Kg	☼		08/28/14 19:29	1
Xylenes, Total	<11		11	0.50	ug/Kg	☼		08/28/14 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 122*		*08/28/14 19:29*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*08/28/14 19:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*		*08/28/14 19:29*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*08/28/14 19:29*	*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	☼	09/03/14 16:55	09/05/14 23:30	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
1,3-Dichlorobenzene	<180		180	39	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
2,2'-oxybis[1-chloropropane]	<180		180	40	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-2(0-5)-082614
Date Collected: 08/26/14 08:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-4
Matrix: Solid
Percent Solids: 90.7

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	☼	09/03/14 16:55	09/05/14 23:30	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
2,4-Dichlorophenol	<350		350	83	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
2,4-Dinitrophenol	<700		700	610	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
2,4-Dinitrotoluene	<180		180	55	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
2,6-Dinitrotoluene	<180		180	68	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
2-Chloronaphthalene	<180		180	38	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
2-Chlorophenol	<180		180	59	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
2-Methylnaphthalene	**25**	**J**	35	6.4	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
2-Methylphenol	<180		180	56	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
2-Nitrophenol	<350		350	82	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
3 & 4 Methylphenol	<180		180	58	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
4,6-Dinitro-2-methylphenol	<350		350	280	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
4-Chloroaniline	<700		700	160	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
4-Nitrophenol	<700		700	330	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Acenaphthene	**40**		35	6.3	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Acenaphthylene	**29**	**J**	35	4.6	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Anthracene	**50**		35	5.8	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Benzo[a]anthracene	**160**		35	4.7	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Benzo[a]pyrene	**190**		35	6.7	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Benzo[b]fluoranthene	**180**		35	7.5	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Benzo[g,h,i]perylene	**170**		35	11	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Benzo[k]fluoranthene	**170**		35	10	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Bis(2-chloroethyl)ether	<180		180	52	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Bis(2-ethylhexyl) phthalate	<180		180	64	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Butyl benzyl phthalate	<180		180	66	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Carbazole	<180		180	90	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Chrysene	**190**		35	9.5	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Dibenz(a,h)anthracene	<35		35	6.7	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Dibenzofuran	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Diethyl phthalate	<180		180	59	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Di-n-butyl phthalate	<180		180	53	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Di-n-octyl phthalate	<180		180	57	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Fluoranthene	**420**		35	6.5	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Fluorene	**49**		35	4.9	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Hexachlorobenzene	<70		70	8.1	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Hexachlorocyclopentadiene	<700		700	200	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Hexachloroethane	<180		180	53	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-2(0-5)-082614
Date Collected: 08/26/14 08:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-4
Matrix: Solid
Percent Solids: 90.7

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	120		35	9.0	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Isophorone	<180		180	39	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Naphthalene	27	J	35	5.4	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Nitrobenzene	<35		35	8.7	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
N-Nitrosodi-n-propylamine	<180		180	43	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
N-Nitrosodiphenylamine	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Pentachlorophenol	<700		700	560	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Phenanthrene	210		35	4.9	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Phenol	<180		180	77	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1
Pyrene	380		35	6.9	ug/Kg	☼	09/03/14 16:55	09/05/14 23:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*103*		*35 - 137*	*09/03/14 16:55*	*09/05/14 23:30*	*1*
2-Fluorobiphenyl	*72*		*25 - 119*	*09/03/14 16:55*	*09/05/14 23:30*	*1*
2-Fluorophenol	*84*		*25 - 110*	*09/03/14 16:55*	*09/05/14 23:30*	*1*
Nitrobenzene-d5	*52*		*25 - 115*	*09/03/14 16:55*	*09/05/14 23:30*	*1*
Phenol-d5	*80*		*31 - 110*	*09/03/14 16:55*	*09/05/14 23:30*	*1*
Terphenyl-d14	*115*		*36 - 134*	*09/03/14 16:55*	*09/05/14 23:30*	*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		09/06/14 08:35	09/08/14 17:09	1
Barium	0.41	J	0.50	0.050	mg/L		09/06/14 08:35	09/08/14 17:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 08:35	09/08/14 17:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 08:35	09/08/14 17:09	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:09	1
Cobalt	0.014	J	0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:09	1
Copper	0.037		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:09	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 08:35	09/08/14 17:09	1
Lead	0.010		0.0075	0.0075	mg/L		09/06/14 08:35	09/08/14 17:09	1
Manganese	4.6		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:09	1
Nickel	0.024	J	0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:09	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 17:09	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:09	1
Zinc	0.19		0.10	0.020	mg/L		09/06/14 08:35	09/08/14 17:09	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 08:30	09/05/14 00:13	1
Barium	0.11	J	0.50	0.050	mg/L		09/04/14 08:30	09/05/14 00:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/05/14 00:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/05/14 00:13	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:13	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:13	1
Copper	0.024	J	0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:13	1
Iron	4.0		0.20	0.20	mg/L		09/04/14 08:30	09/05/14 00:13	1
Lead	0.053		0.0075	0.0075	mg/L		09/04/14 08:30	09/05/14 00:13	1
Manganese	0.36		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:13	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:13	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 00:13	1

Client Sample ID: 55-2(0-5)-082614
Date Collected: 08/26/14 08:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-4
Matrix: Solid

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 08:30	09/05/14 00:13	1
Zinc	**0.13**	**B**	0.10	0.020	mg/L		09/04/14 08:30	09/05/14 00:13	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	☼	09/04/14 09:40	09/05/14 03:22	1
Arsenic	**4.5**		0.55	0.11	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Barium	**30**		0.55	0.058	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Beryllium	**0.31**		0.22	0.044	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Cadmium	**0.31**		0.11	0.014	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Calcium	**150000**	**B**	100	27	mg/Kg	☼	09/08/14 18:00	09/09/14 21:30	10
Chromium	**8.2**		0.55	0.063	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Cobalt	**3.6**		0.27	0.055	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Copper	**11**		0.55	0.11	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Iron	**13000**		100	41	mg/Kg	☼	09/08/14 18:00	09/09/14 21:30	10
Lead	**21**		0.27	0.081	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Magnesium	**83000**	**B**	50	10	mg/Kg	☼	09/08/14 18:00	09/09/14 21:30	10
Manganese	**390**		0.55	0.11	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Nickel	**8.5**		0.55	0.11	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Potassium	**1500**		27	1.6	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Selenium	<0.55		0.55	0.19	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Silver	<0.27		0.27	0.020	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Sodium	**1700**		55	7.3	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Thallium	**0.47**	**J**	0.55	0.23	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Vanadium	**14**	**B**	0.27	0.040	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	1
Zinc	**27**		1.1	0.22	mg/Kg	☼	09/04/14 09:40	09/05/14 03:22	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		09/08/14 12:00	09/09/14 10:45	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 12:37	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	**19**		18	6.9	ug/Kg	☼	09/04/14 15:00	09/05/14 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.27**		0.200	0.200	SU			08/29/14 19:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-2(5-10)-082614
Date Collected: 08/26/14 09:00
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-5
Matrix: Solid
Percent Solids: 91.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**67**		5.5	2.4	ug/Kg	☼		08/28/14 19:53	1
Benzene	<5.5		5.5	0.75	ug/Kg	☼		08/28/14 19:53	1
Bromodichloromethane	<5.5		5.5	0.94	ug/Kg	☼		08/28/14 19:53	1
Bromoform	<5.5		5.5	1.3	ug/Kg	☼		08/28/14 19:53	1
Bromomethane	<5.5		5.5	1.7	ug/Kg	☼		08/28/14 19:53	1
Carbon disulfide	<5.5		5.5	0.82	ug/Kg	☼		08/28/14 19:53	1
Carbon tetrachloride	<5.5		5.5	1.0	ug/Kg	☼		08/28/14 19:53	1
Chlorobenzene	<5.5		5.5	0.55	ug/Kg	☼		08/28/14 19:53	1
Chloroethane	<5.5		5.5	1.5	ug/Kg	☼		08/28/14 19:53	1
Chloroform	<5.5		5.5	0.63	ug/Kg	☼		08/28/14 19:53	1
Chloromethane	<5.5		5.5	1.1	ug/Kg	☼		08/28/14 19:53	1
cis-1,2-Dichloroethene	<5.5		5.5	0.77	ug/Kg	☼		08/28/14 19:53	1
cis-1,3-Dichloropropene	<5.5		5.5	0.72	ug/Kg	☼		08/28/14 19:53	1
Dibromochloromethane	<5.5		5.5	0.95	ug/Kg	☼		08/28/14 19:53	1
1,1-Dichloroethane	<5.5		5.5	0.87	ug/Kg	☼		08/28/14 19:53	1
1,2-Dichloroethane	<5.5		5.5	0.81	ug/Kg	☼		08/28/14 19:53	1
1,1-Dichloroethene	<5.5		5.5	0.88	ug/Kg	☼		08/28/14 19:53	1
1,2-Dichloropropane	<5.5		5.5	0.83	ug/Kg	☼		08/28/14 19:53	1
1,3-Dichloropropene, Total	<5.5		5.5	0.72	ug/Kg	☼		08/28/14 19:53	1
Ethylbenzene	<5.5		5.5	1.1	ug/Kg	☼		08/28/14 19:53	1
2-Hexanone	<5.5		5.5	1.6	ug/Kg	☼		08/28/14 19:53	1
Methylene Chloride	<5.5		5.5	1.5	ug/Kg	☼		08/28/14 19:53	1
Methyl Ethyl Ketone	**15**		5.5	2.0	ug/Kg	☼		08/28/14 19:53	1
methyl isobutyl ketone	<5.5		5.5	1.4	ug/Kg	☼		08/28/14 19:53	1
Methyl tert-butyl ether	<5.5		5.5	0.90	ug/Kg	☼		08/28/14 19:53	1
Styrene	<5.5		5.5	0.72	ug/Kg	☼		08/28/14 19:53	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/28/14 19:53	1
Tetrachloroethene	<5.5		5.5	0.84	ug/Kg	☼		08/28/14 19:53	1
Toluene	<5.5		5.5	0.77	ug/Kg	☼		08/28/14 19:53	1
trans-1,2-Dichloroethene	<5.5		5.5	0.75	ug/Kg	☼		08/28/14 19:53	1
trans-1,3-Dichloropropene	<5.5		5.5	0.98	ug/Kg	☼		08/28/14 19:53	1
1,1,1-Trichloroethane	<5.5		5.5	0.82	ug/Kg	☼		08/28/14 19:53	1
1,1,2-Trichloroethane	<5.5		5.5	0.75	ug/Kg	☼		08/28/14 19:53	1
Trichloroethene	<5.5		5.5	0.90	ug/Kg	☼		08/28/14 19:53	1
Vinyl chloride	<5.5		5.5	1.1	ug/Kg	☼		08/28/14 19:53	1
Xylenes, Total	<11		11	0.50	ug/Kg	☼		08/28/14 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 122*		*08/28/14 19:53*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*08/28/14 19:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*		*08/28/14 19:53*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*08/28/14 19:53*	*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	☼	09/03/14 16:55	09/08/14 16:16	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-2(5-10)-082614
Date Collected: 08/26/14 09:00
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-5
Matrix: Solid
Percent Solids: 91.4

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	80	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
2-Methylnaphthalene	**41**		35	6.5	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
2-Methylphenol	<180		180	56	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
2-Nitrophenol	<350		350	83	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
4,6-Dinitro-2-methylphenol	<350		350	280	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
4-Chloroaniline	<710		710	170	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
4-Nitrophenol	<710		710	330	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Acenaphthene	**78**		35	6.3	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Acenaphthylene	<35		35	4.6	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Anthracene	**85**		35	5.9	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Benzo[a]anthracene	**94**		35	4.7	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Benzo[a]pyrene	**71**		35	6.8	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Benzo[b]fluoranthene	**98**		35	7.6	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Benzo[g,h,i]perylene	**55**		35	11	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Benzo[k]fluoranthene	**59**		35	10	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Bis(2-ethylhexyl) phthalate	<180		180	64	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Butyl benzyl phthalate	<180		180	67	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Carbazole	<180		180	91	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Chrysene	**99**		35	9.6	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Dibenz(a,h)anthracene	**11**	**J**	35	6.8	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Dibenzofuran	**79**	**J**	180	41	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Di-n-octyl phthalate	<180		180	57	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Fluoranthene	**360**		35	6.5	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Fluorene	**38**		35	4.9	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Hexachlorobenzene	<71		71	8.2	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Hexachloroethane	<180		180	53	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-2(5-10)-082614
Date Collected: 08/26/14 09:00
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-5
Matrix: Solid
Percent Solids: 91.4

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	**45**		35	9.1	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Isophorone	<180		180	40	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Naphthalene	**110**		35	5.4	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Nitrobenzene	<35		35	8.8	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
N-Nitrosodi-n-propylamine	<180		180	43	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Pentachlorophenol	<710		710	560	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Phenanthrene	**410**		35	4.9	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Phenol	<180		180	78	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1
Pyrene	**260**		35	7.0	ug/Kg	☼	09/03/14 16:55	09/08/14 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*48*		*35 - 137*	*09/03/14 16:55*	*09/08/14 16:16*	*1*
2-Fluorobiphenyl	*42*		*25 - 119*	*09/03/14 16:55*	*09/08/14 16:16*	*1*
2-Fluorophenol	*47*		*25 - 110*	*09/03/14 16:55*	*09/08/14 16:16*	*1*
Nitrobenzene-d5	*37*		*25 - 115*	*09/03/14 16:55*	*09/08/14 16:16*	*1*
Phenol-d5	*49*		*31 - 110*	*09/03/14 16:55*	*09/08/14 16:16*	*1*
Terphenyl-d14	*52*		*36 - 134*	*09/03/14 16:55*	*09/08/14 16:16*	*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		09/06/14 08:35	09/08/14 17:16	1
Barium	**0.54**		0.50	0.050	mg/L		09/06/14 08:35	09/08/14 17:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 08:35	09/08/14 17:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 08:35	09/08/14 17:16	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:16	1
Cobalt	**0.015**	**J**	0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:16	1
Copper	**0.017**	**J**	0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:16	1
Iron	**0.23**		0.20	0.20	mg/L		09/06/14 08:35	09/08/14 17:16	1
Lead	**0.011**		0.0075	0.0075	mg/L		09/06/14 08:35	09/08/14 17:16	1
Manganese	**5.3**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:16	1
Nickel	**0.024**	**J**	0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:16	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 17:16	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:16	1
Zinc	**0.22**		0.10	0.020	mg/L		09/06/14 08:35	09/08/14 17:16	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		09/04/14 08:30	09/05/14 00:17	1
Barium	**0.099**	**J**	0.50	0.050	mg/L		09/04/14 08:30	09/05/14 00:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/05/14 00:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/05/14 00:17	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:17	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:17	1
Copper	**0.018**	**J**	0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:17	1
Iron	**2.3**		0.20	0.20	mg/L		09/04/14 08:30	09/05/14 00:17	1
Lead	**0.030**		0.0075	0.0075	mg/L		09/04/14 08:30	09/05/14 00:17	1
Manganese	**0.21**		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:17	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:17	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 00:17	1

Client Sample ID: 55-2(5-10)-082614
Date Collected: 08/26/14 09:00
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-5
Matrix: Solid

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 08:30	09/05/14 00:17	1
Zinc	**0.090**	**J B**	0.10	0.020	mg/L		09/04/14 08:30	09/05/14 00:17	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	☼	09/04/14 09:40	09/05/14 03:43	1
Arsenic	**3.0**		0.50	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Barium	**19**		0.50	0.054	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Beryllium	**0.22**		0.20	0.040	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Cadmium	**0.19**		0.10	0.013	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Calcium	**110000**	**B**	100	28	mg/Kg	☼	09/08/14 18:00	09/09/14 21:42	10
Chromium	**5.5**		0.50	0.058	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Cobalt	**2.5**		0.25	0.050	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Copper	**7.4**		0.50	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Iron	**13000**		100	42	mg/Kg	☼	09/08/14 18:00	09/09/14 21:42	10
Lead	**10**		0.25	0.075	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Magnesium	**57000**	**B**	51	11	mg/Kg	☼	09/08/14 18:00	09/09/14 21:42	10
Manganese	**300**		0.50	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Nickel	**5.9**		0.50	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Potassium	**1200**		25	1.5	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Selenium	<0.50		0.50	0.18	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Silver	<0.25		0.25	0.018	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Sodium	**800**		50	6.7	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Thallium	**0.37**	**J**	0.50	0.21	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Vanadium	**11**	**B**	0.25	0.037	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	1
Zinc	**17**		1.0	0.20	mg/Kg	☼	09/04/14 09:40	09/05/14 03:43	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		09/08/14 12:00	09/09/14 10:47	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 12:39	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	**7.1**	**J**	17	6.7	ug/Kg	☼	09/04/14 15:00	09/05/14 10:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.93**		0.200	0.200	SU			08/29/14 19:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-22(0-5)-082614
Date Collected: 08/26/14 09:40
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-9
Matrix: Solid
Percent Solids: 87.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.7		5.7	2.5	ug/Kg	☼		08/29/14 00:23	1
Benzene	<5.7		5.7	0.78	ug/Kg	☼		08/29/14 00:23	1
Bromodichloromethane	<5.7		5.7	0.98	ug/Kg	☼		08/29/14 00:23	1
Bromoform	<5.7		5.7	1.3	ug/Kg	☼		08/29/14 00:23	1
Bromomethane	<5.7		5.7	1.7	ug/Kg	☼		08/29/14 00:23	1
Carbon disulfide	<5.7		5.7	0.85	ug/Kg	☼		08/29/14 00:23	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		08/29/14 00:23	1
Chlorobenzene	<5.7		5.7	0.58	ug/Kg	☼		08/29/14 00:23	1
Chloroethane	<5.7		5.7	1.6	ug/Kg	☼		08/29/14 00:23	1
Chloroform	<5.7		5.7	0.66	ug/Kg	☼		08/29/14 00:23	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		08/29/14 00:23	1
cis-1,2-Dichloroethene	<5.7		5.7	0.81	ug/Kg	☼		08/29/14 00:23	1
cis-1,3-Dichloropropene	<5.7		5.7	0.75	ug/Kg	☼		08/29/14 00:23	1
Dibromochloromethane	<5.7		5.7	0.99	ug/Kg	☼		08/29/14 00:23	1
1,1-Dichloroethane	<5.7		5.7	0.90	ug/Kg	☼		08/29/14 00:23	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		08/29/14 00:23	1
1,1-Dichloroethene	<5.7		5.7	0.92	ug/Kg	☼		08/29/14 00:23	1
1,2-Dichloropropane	<5.7		5.7	0.87	ug/Kg	☼		08/29/14 00:23	1
1,3-Dichloropropene, Total	<5.7		5.7	0.75	ug/Kg	☼		08/29/14 00:23	1
Ethylbenzene	<5.7		5.7	1.2	ug/Kg	☼		08/29/14 00:23	1
2-Hexanone	<5.7		5.7	1.6	ug/Kg	☼		08/29/14 00:23	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg	☼		08/29/14 00:23	1
Methyl Ethyl Ketone	<5.7		5.7	2.1	ug/Kg	☼		08/29/14 00:23	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		08/29/14 00:23	1
Methyl tert-butyl ether	<5.7		5.7	0.94	ug/Kg	☼		08/29/14 00:23	1
Styrene	<5.7		5.7	0.75	ug/Kg	☼		08/29/14 00:23	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.2	ug/Kg	☼		08/29/14 00:23	1
Tetrachloroethene	<5.7		5.7	0.87	ug/Kg	☼		08/29/14 00:23	1
Toluene	<5.7		5.7	0.80	ug/Kg	☼		08/29/14 00:23	1
trans-1,2-Dichloroethene	<5.7		5.7	0.78	ug/Kg	☼		08/29/14 00:23	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		08/29/14 00:23	1
1,1,1-Trichloroethane	<5.7		5.7	0.85	ug/Kg	☼		08/29/14 00:23	1
1,1,2-Trichloroethane	<5.7		5.7	0.78	ug/Kg	☼		08/29/14 00:23	1
Trichloroethene	<5.7		5.7	0.94	ug/Kg	☼		08/29/14 00:23	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		08/29/14 00:23	1
Xylenes, Total	<11		11	0.52	ug/Kg	☼		08/29/14 00:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 122*		*08/29/14 00:23*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*08/29/14 00:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*		*08/29/14 00:23*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*08/29/14 00:23*	*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	☼	09/03/14 16:55	09/06/14 00:23	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-22(0-5)-082614
Date Collected: 08/26/14 09:40
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-9
Matrix: Solid
Percent Solids: 87.7

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	☼	09/03/14 16:55	09/06/14 00:23	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
2-Methylphenol	<190		190	60	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Anthracene	<37		37	6.3	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Benzo[a]pyrene	**23**	**J**	37	7.3	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Benzo[b]fluoranthene	**15**	**J**	37	8.1	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Benzo[k]fluoranthene	**14**	**J**	37	11	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Carbazole	<190		190	97	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Chrysene	<37		37	10	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Fluoranthene	**14**	**J**	37	6.9	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Fluorene	<37		37	5.3	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Hexachloroethane	<190		190	57	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-22(0-5)-082614
Date Collected: 08/26/14 09:40
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-9
Matrix: Solid
Percent Solids: 87.7

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	<37		37	9.7	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Isophorone	<190		190	42	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Naphthalene	<37		37	5.8	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Phenanthrene	**7.5**	**J**	37	5.2	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Phenol	<190		190	83	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1
Pyrene	<37		37	7.4	ug/Kg	☼	09/03/14 16:55	09/06/14 00:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*82*		*35 - 137*	*09/03/14 16:55*	*09/06/14 00:23*	*1*
2-Fluorobiphenyl	*62*		*25 - 119*	*09/03/14 16:55*	*09/06/14 00:23*	*1*
2-Fluorophenol	*74*		*25 - 110*	*09/03/14 16:55*	*09/06/14 00:23*	*1*
Nitrobenzene-d5	*44*		*25 - 115*	*09/03/14 16:55*	*09/06/14 00:23*	*1*
Phenol-d5	*68*		*31 - 110*	*09/03/14 16:55*	*09/06/14 00:23*	*1*
Terphenyl-d14	*103*		*36 - 134*	*09/03/14 16:55*	*09/06/14 00:23*	*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		09/06/14 08:35	09/08/14 17:41	1
Barium	**0.41**	**J**	0.50	0.050	mg/L		09/06/14 08:35	09/08/14 17:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 08:35	09/08/14 17:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 08:35	09/08/14 17:41	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:41	1
Cobalt	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:41	1
Copper	**0.027**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:41	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 08:35	09/08/14 17:41	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 08:35	09/08/14 17:41	1
Manganese	**0.76**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:41	1
Nickel	**0.010**	**J**	0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:41	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 17:41	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:41	1
Zinc	**0.22**		0.10	0.020	mg/L		09/06/14 08:35	09/08/14 17:41	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 08:30	09/05/14 00:33	1
Barium	<0.50		0.50	0.050	mg/L		09/04/14 08:30	09/05/14 00:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/05/14 00:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/05/14 00:33	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:33	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:33	1
Copper	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:33	1
Iron	**1.2**		0.20	0.20	mg/L		09/04/14 08:30	09/05/14 00:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:30	09/05/14 00:33	1
Manganese	**0.032**		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:33	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:33	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 00:33	1

Client Sample ID: 55-22(0-5)-082614
Date Collected: 08/26/14 09:40
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-9
Matrix: Solid

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 08:30	09/05/14 00:33	1
Zinc	**0.034**	**J B**	0.10	0.020	mg/L		09/04/14 08:30	09/05/14 00:33	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.42	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Arsenic	**3.7**		0.53	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Barium	**19**		0.53	0.056	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Beryllium	**0.23**		0.21	0.042	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Cadmium	**0.23**		0.11	0.013	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Calcium	**140000**	**B**	110	29	mg/Kg	☼	09/08/14 18:00	09/09/14 21:59	10
Chromium	**7.0**		0.53	0.061	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Cobalt	**3.2**		0.26	0.053	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Copper	**10**		0.53	0.11	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Iron	**14000**		110	44	mg/Kg	☼	09/08/14 18:00	09/09/14 21:59	10
Lead	**8.6**		0.26	0.078	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Magnesium	**73000**	**B**	54	11	mg/Kg	☼	09/08/14 18:00	09/09/14 21:59	10
Manganese	**290**		0.53	0.11	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Nickel	**7.4**		0.53	0.11	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Potassium	**1200**		26	1.6	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Selenium	<0.53		0.53	0.19	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Silver	<0.26		0.26	0.019	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Sodium	**290**		53	7.0	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Thallium	<0.53		0.53	0.22	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Vanadium	**11**	**B**	0.26	0.039	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	1
Zinc	**22**		1.1	0.21	mg/Kg	☼	09/04/14 09:40	09/05/14 04:08	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		09/08/14 12:00	09/09/14 10:59	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 12:55	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	<17		17	6.7	ug/Kg	☼	09/04/14 15:00	09/05/14 11:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.16**		0.200	0.200	SU			08/29/14 19:33	1

Client Sample ID: 55-22(5-10)-082614
Date Collected: 08/26/14 09:45
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-10
Matrix: Solid
Percent Solids: 94.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.3		5.3	2.3	ug/Kg	☼		08/29/14 00:47	1
Benzene	<5.3		5.3	0.73	ug/Kg	☼		08/29/14 00:47	1
Bromodichloromethane	<5.3		5.3	0.91	ug/Kg	☼		08/29/14 00:47	1
Bromoform	<5.3		5.3	1.2	ug/Kg	☼		08/29/14 00:47	1
Bromomethane	<5.3		5.3	1.6	ug/Kg	☼		08/29/14 00:47	1
Carbon disulfide	<5.3		5.3	0.79	ug/Kg	☼		08/29/14 00:47	1
Carbon tetrachloride	<5.3		5.3	0.96	ug/Kg	☼		08/29/14 00:47	1
Chlorobenzene	<5.3		5.3	0.54	ug/Kg	☼		08/29/14 00:47	1
Chloroethane	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 00:47	1
Chloroform	<5.3		5.3	0.61	ug/Kg	☼		08/29/14 00:47	1
Chloromethane	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 00:47	1
cis-1,2-Dichloroethene	<5.3		5.3	0.75	ug/Kg	☼		08/29/14 00:47	1
cis-1,3-Dichloropropene	<5.3		5.3	0.70	ug/Kg	☼		08/29/14 00:47	1
Dibromochloromethane	<5.3		5.3	0.92	ug/Kg	☼		08/29/14 00:47	1
1,1-Dichloroethane	<5.3		5.3	0.84	ug/Kg	☼		08/29/14 00:47	1
1,2-Dichloroethane	<5.3		5.3	0.79	ug/Kg	☼		08/29/14 00:47	1
1,1-Dichloroethene	<5.3		5.3	0.86	ug/Kg	☼		08/29/14 00:47	1
1,2-Dichloropropane	<5.3		5.3	0.80	ug/Kg	☼		08/29/14 00:47	1
1,3-Dichloropropene, Total	<5.3		5.3	0.70	ug/Kg	☼		08/29/14 00:47	1
Ethylbenzene	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 00:47	1
2-Hexanone	<5.3		5.3	1.5	ug/Kg	☼		08/29/14 00:47	1
Methylene Chloride	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 00:47	1
Methyl Ethyl Ketone	<5.3		5.3	1.9	ug/Kg	☼		08/29/14 00:47	1
methyl isobutyl ketone	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 00:47	1
Methyl tert-butyl ether	<5.3		5.3	0.88	ug/Kg	☼		08/29/14 00:47	1
Styrene	<5.3		5.3	0.70	ug/Kg	☼		08/29/14 00:47	1
1,1,2,2-Tetrachloroethane	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 00:47	1
Tetrachloroethene	<5.3		5.3	0.81	ug/Kg	☼		08/29/14 00:47	1
Toluene	<5.3		5.3	0.74	ug/Kg	☼		08/29/14 00:47	1
trans-1,2-Dichloroethene	<5.3		5.3	0.73	ug/Kg	☼		08/29/14 00:47	1
trans-1,3-Dichloropropene	<5.3		5.3	0.95	ug/Kg	☼		08/29/14 00:47	1
1,1,1-Trichloroethane	<5.3		5.3	0.79	ug/Kg	☼		08/29/14 00:47	1
1,1,2-Trichloroethane	<5.3		5.3	0.72	ug/Kg	☼		08/29/14 00:47	1
Trichloroethene	<5.3		5.3	0.87	ug/Kg	☼		08/29/14 00:47	1
Vinyl chloride	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 00:47	1
Xylenes, Total	<11		11	0.48	ug/Kg	☼		08/29/14 00:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 122*		*08/29/14 00:47*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*08/29/14 00:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*08/29/14 00:47*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*08/29/14 00:47*	*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	☼	09/03/14 16:55	09/05/14 21:28	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-22(5-10)-082614
Date Collected: 08/26/14 09:45
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-10
Matrix: Solid
Percent Solids: 94.3

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	80	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
2,4-Dichlorophenol	<350		350	83	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
2,6-Dinitrotoluene	<180		180	69	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
2-Chlorophenol	<180		180	60	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
2-Methylnaphthalene	<35		35	6.5	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
2-Methylphenol	<180		180	56	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
2-Nitrophenol	<350		350	83	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
4,6-Dinitro-2-methylphenol	<350		350	280	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
4-Chloroaniline	<710		710	160	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
4-Nitrophenol	<710		710	330	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Acenaphthylene	<35		35	4.6	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Anthracene	<35		35	5.9	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Benzo[a]anthracene	<35		35	4.7	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Benzo[a]pyrene	<35		35	6.8	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Benzo[b]fluoranthene	<35		35	7.6	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Benzo[g,h,i]perylene	<35		35	11	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Benzo[k]fluoranthene	<35		35	10	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Bis(2-ethylhexyl) phthalate	<180		180	64	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Butyl benzyl phthalate	<180		180	67	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Carbazole	<180		180	91	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Chrysene	<35		35	9.6	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Dibenz(a,h)anthracene	<35		35	6.8	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Dibenzofuran	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Di-n-butyl phthalate	<180		180	53	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Di-n-octyl phthalate	<180		180	57	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Fluoranthene	<35		35	6.5	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Fluorene	<35		35	4.9	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Hexachlorobenzene	<71		71	8.1	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Hexachloroethane	<180		180	53	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-22(5-10)-082614
Date Collected: 08/26/14 09:45
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-10
Matrix: Solid
Percent Solids: 94.3

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	<35		35	9.1	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Isophorone	<180		180	39	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Naphthalene	<35		35	5.4	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Nitrobenzene	<35		35	8.8	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
N-Nitrosodi-n-propylamine	<180		180	43	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
N-Nitrosodiphenylamine	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Pentachlorophenol	<710		710	560	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Phenanthrene	<35		35	4.9	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Phenol	<180		180	78	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1
Pyrene	<35		35	7.0	ug/Kg	☼	09/03/14 16:55	09/05/14 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*70*		*35 - 137*	*09/03/14 16:55*	*09/05/14 21:28*	*1*
2-Fluorobiphenyl	*62*		*25 - 119*	*09/03/14 16:55*	*09/05/14 21:28*	*1*
2-Fluorophenol	*81*		*25 - 110*	*09/03/14 16:55*	*09/05/14 21:28*	*1*
Nitrobenzene-d5	*51*		*25 - 115*	*09/03/14 16:55*	*09/05/14 21:28*	*1*
Phenol-d5	*74*		*31 - 110*	*09/03/14 16:55*	*09/05/14 21:28*	*1*
Terphenyl-d14	*94*		*36 - 134*	*09/03/14 16:55*	*09/05/14 21:28*	*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		09/06/14 08:35	09/08/14 17:47	1
Barium	**0.26**	**J**	0.50	0.050	mg/L		09/06/14 08:35	09/08/14 17:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 08:35	09/08/14 17:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 08:35	09/08/14 17:47	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:47	1
Cobalt	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:47	1
Copper	**0.040**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:47	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 08:35	09/08/14 17:47	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 08:35	09/08/14 17:47	1
Manganese	**1.1**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:47	1
Nickel	**0.013**	**J**	0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:47	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 17:47	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 17:47	1
Zinc	**0.18**		0.10	0.020	mg/L		09/06/14 08:35	09/08/14 17:47	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 08:30	09/05/14 00:37	1
Barium	<0.50		0.50	0.050	mg/L		09/04/14 08:30	09/05/14 00:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/05/14 00:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/05/14 00:37	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:37	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:37	1
Copper	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:37	1
Iron	<0.20		0.20	0.20	mg/L		09/04/14 08:30	09/05/14 00:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:30	09/05/14 00:37	1
Manganese	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:37	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:37	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 00:37	1

Client Sample ID: 55-22(5-10)-082614
Date Collected: 08/26/14 09:45
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-10
Matrix: Solid

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 08:30	09/05/14 00:37	1
Zinc	**0.021**	**J B**	0.10	0.020	mg/L		09/04/14 08:30	09/05/14 00:37	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<10		10	4.1	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Arsenic	**7.4**		5.2	1.0	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Barium	**14**		5.2	0.55	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Beryllium	<2.1		2.1	0.41	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Cadmium	**0.50**	**J**	1.0	0.13	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Calcium	**170000**	**B**	100	28	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Chromium	**6.9**	**B**	5.2	0.60	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Cobalt	**3.5**		2.6	0.52	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Copper	**12**		5.2	1.0	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Iron	**15000**		100	42	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Lead	**6.9**	**B**	2.6	0.77	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Magnesium	**90000**	**B**	52	11	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Manganese	**520**		5.2	1.0	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Nickel	**8.4**		5.2	1.0	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Potassium	**590**		260	16	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Selenium	<2.6		2.6	0.92	mg/Kg	☼	09/08/14 18:00	09/10/14 13:14	5
Silver	<2.6		2.6	0.19	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Sodium	**210**	**J**	520	69	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Thallium	<5.2		5.2	2.2	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Vanadium	**8.7**		2.6	0.38	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10
Zinc	**48**		10	2.1	mg/Kg	☼	09/08/14 18:00	09/09/14 22:03	10

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		09/08/14 12:00	09/09/14 11:05	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 12:57	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	<17		17	6.8	ug/Kg	☼	09/04/14 15:00	09/05/14 11:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.27**		0.200	0.200	SU			08/29/14 19:33	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-3(0-8)-082614
Date Collected: 08/26/14 10:00
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-11
Matrix: Solid
Percent Solids: 93.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	64		5.4	2.3	ug/Kg	☼		08/29/14 01:11	1
Benzene	<5.4		5.4	0.74	ug/Kg	☼		08/29/14 01:11	1
Bromodichloromethane	<5.4		5.4	0.92	ug/Kg	☼		08/29/14 01:11	1
Bromoform	<5.4		5.4	1.2	ug/Kg	☼		08/29/14 01:11	1
Bromomethane	<5.4		5.4	1.6	ug/Kg	☼		08/29/14 01:11	1
Carbon disulfide	<5.4		5.4	0.80	ug/Kg	☼		08/29/14 01:11	1
Carbon tetrachloride	<5.4		5.4	0.98	ug/Kg	☼		08/29/14 01:11	1
Chlorobenzene	<5.4		5.4	0.54	ug/Kg	☼		08/29/14 01:11	1
Chloroethane	<5.4		5.4	1.5	ug/Kg	☼		08/29/14 01:11	1
Chloroform	<5.4		5.4	0.62	ug/Kg	☼		08/29/14 01:11	1
Chloromethane	<5.4		5.4	1.1	ug/Kg	☼		08/29/14 01:11	1
cis-1,2-Dichloroethene	<5.4		5.4	0.76	ug/Kg	☼		08/29/14 01:11	1
cis-1,3-Dichloropropene	<5.4		5.4	0.70	ug/Kg	☼		08/29/14 01:11	1
Dibromochloromethane	<5.4		5.4	0.93	ug/Kg	☼		08/29/14 01:11	1
1,1-Dichloroethane	<5.4		5.4	0.85	ug/Kg	☼		08/29/14 01:11	1
1,2-Dichloroethane	<5.4		5.4	0.80	ug/Kg	☼		08/29/14 01:11	1
1,1-Dichloroethene	<5.4		5.4	0.87	ug/Kg	☼		08/29/14 01:11	1
1,2-Dichloropropane	<5.4		5.4	0.81	ug/Kg	☼		08/29/14 01:11	1
1,3-Dichloropropene, Total	<5.4		5.4	0.70	ug/Kg	☼		08/29/14 01:11	1
Ethylbenzene	<5.4		5.4	1.1	ug/Kg	☼		08/29/14 01:11	1
2-Hexanone	<5.4		5.4	1.5	ug/Kg	☼		08/29/14 01:11	1
Methylene Chloride	<5.4		5.4	1.4	ug/Kg	☼		08/29/14 01:11	1
Methyl Ethyl Ketone	12		5.4	1.9	ug/Kg	☼		08/29/14 01:11	1
methyl isobutyl ketone	<5.4		5.4	1.4	ug/Kg	☼		08/29/14 01:11	1
Methyl tert-butyl ether	<5.4		5.4	0.89	ug/Kg	☼		08/29/14 01:11	1
Styrene	<5.4		5.4	0.70	ug/Kg	☼		08/29/14 01:11	1
1,1,2,2-Tetrachloroethane	<5.4		5.4	1.1	ug/Kg	☼		08/29/14 01:11	1
Tetrachloroethene	<5.4		5.4	0.82	ug/Kg	☼		08/29/14 01:11	1
Toluene	<5.4		5.4	0.75	ug/Kg	☼		08/29/14 01:11	1
trans-1,2-Dichloroethene	<5.4		5.4	0.74	ug/Kg	☼		08/29/14 01:11	1
trans-1,3-Dichloropropene	<5.4		5.4	0.96	ug/Kg	☼		08/29/14 01:11	1
1,1,1-Trichloroethane	<5.4		5.4	0.80	ug/Kg	☼		08/29/14 01:11	1
1,1,2-Trichloroethane	<5.4		5.4	0.73	ug/Kg	☼		08/29/14 01:11	1
Trichloroethene	<5.4		5.4	0.89	ug/Kg	☼		08/29/14 01:11	1
Vinyl chloride	<5.4		5.4	1.1	ug/Kg	☼		08/29/14 01:11	1
Xylenes, Total	<11		11	0.49	ug/Kg	☼		08/29/14 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 122*		*08/29/14 01:11*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*08/29/14 01:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*		*08/29/14 01:11*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*08/29/14 01:11*	*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	☼	09/03/14 16:55	09/05/14 21:45	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
1,3-Dichlorobenzene	<180		180	39	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
2,2'-oxybis[1-chloropropane]	<180		180	40	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-3(0-8)-082614
Date Collected: 08/26/14 10:00
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-11
Matrix: Solid
Percent Solids: 93.2

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	☼	09/03/14 16:55	09/05/14 21:45	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
2,4-Dichlorophenol	<350		350	83	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
2,4-Dinitrophenol	<700		700	610	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
2,4-Dinitrotoluene	<180		180	55	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
2,6-Dinitrotoluene	<180		180	68	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
2-Chloronaphthalene	<180		180	38	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
2-Chlorophenol	<180		180	59	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
2-Methylnaphthalene	<35		35	6.4	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
2-Methylphenol	<180		180	56	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
2-Nitroaniline	<180		180	47	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
2-Nitrophenol	<350		350	82	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
3 & 4 Methylphenol	<180		180	58	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
3,3'-Dichlorobenzidine	<180		180	49	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
4,6-Dinitro-2-methylphenol	<350		350	280	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
4-Bromophenyl phenyl ether	<180		180	46	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
4-Chloroaniline	<700		700	160	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
4-Nitrophenol	<700		700	330	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Acenaphthene	<35		35	6.3	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Acenaphthylene	<35		35	4.6	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Anthracene	<35		35	5.8	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Benzo[a]anthracene	<35		35	4.7	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Benzo[a]pyrene	<35		35	6.7	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Benzo[b]fluoranthene	<35		35	7.5	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Benzo[g,h,i]perylene	<35		35	11	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Benzo[k]fluoranthene	<35		35	10	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Bis(2-chloroethyl)ether	<180		180	52	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Bis(2-ethylhexyl) phthalate	<180		180	64	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Butyl benzyl phthalate	<180		180	66	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Carbazole	<180		180	90	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Chrysene	<35		35	9.5	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Dibenz(a,h)anthracene	<35		35	6.7	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Dibenzofuran	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Diethyl phthalate	<180		180	59	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Di-n-butyl phthalate	<180		180	53	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Di-n-octyl phthalate	<180		180	57	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Fluoranthene	<35		35	6.5	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Fluorene	<35		35	4.9	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Hexachlorobenzene	<70		70	8.1	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Hexachlorobutadiene	<180		180	55	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Hexachlorocyclopentadiene	<700		700	200	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Hexachloroethane	<180		180	53	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-3(0-8)-082614
Date Collected: 08/26/14 10:00
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-11
Matrix: Solid
Percent Solids: 93.2

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	<35		35	9.0	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Isophorone	<180		180	39	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Naphthalene	<35		35	5.4	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Nitrobenzene	<35		35	8.7	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
N-Nitrosodi-n-propylamine	<180		180	43	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
N-Nitrosodiphenylamine	<180		180	41	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Pentachlorophenol	<700		700	560	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Phenanthrene	<35		35	4.9	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Phenol	<180		180	77	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1
Pyrene	<35		35	6.9	ug/Kg	☼	09/03/14 16:55	09/05/14 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*84*		*35 - 137*	*09/03/14 16:55*	*09/05/14 21:45*	*1*
2-Fluorobiphenyl	*53*		*25 - 119*	*09/03/14 16:55*	*09/05/14 21:45*	*1*
2-Fluorophenol	*67*		*25 - 110*	*09/03/14 16:55*	*09/05/14 21:45*	*1*
Nitrobenzene-d5	*38*		*25 - 115*	*09/03/14 16:55*	*09/05/14 21:45*	*1*
Phenol-d5	*67*		*31 - 110*	*09/03/14 16:55*	*09/05/14 21:45*	*1*
Terphenyl-d14	*105*		*36 - 134*	*09/03/14 16:55*	*09/05/14 21:45*	*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		09/06/14 08:35	09/08/14 18:08	1
Barium	**0.37**	**J**	0.50	0.050	mg/L		09/06/14 08:35	09/08/14 18:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 08:35	09/08/14 18:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 08:35	09/08/14 18:08	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:08	1
Cobalt	**0.027**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:08	1
Copper	**0.018**	**J**	0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:08	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 08:35	09/08/14 18:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 08:35	09/08/14 18:08	1
Manganese	**5.6**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:08	1
Nickel	**0.047**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:08	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 18:08	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:08	1
Zinc	**0.20**	**B**	0.10	0.020	mg/L		09/06/14 08:35	09/08/14 18:08	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 08:30	09/05/14 00:41	1
Barium	<0.50		0.50	0.050	mg/L		09/04/14 08:30	09/05/14 00:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/05/14 00:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/05/14 00:41	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:41	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:41	1
Copper	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:41	1
Iron	<0.20		0.20	0.20	mg/L		09/04/14 08:30	09/05/14 00:41	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:30	09/05/14 00:41	1
Manganese	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:41	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:41	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 00:41	1

Client Sample ID: 55-3(0-8)-082614
Date Collected: 08/26/14 10:00
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-11
Matrix: Solid

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 08:30	09/05/14 00:41	1
Zinc	**0.026**	**J B**	0.10	0.020	mg/L		09/04/14 08:30	09/05/14 00:41	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	☼	09/04/14 09:40	09/05/14 04:21	1
Arsenic	**3.5**		0.52	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Barium	**15**		0.52	0.056	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Beryllium	**0.19**	**J**	0.21	0.042	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Cadmium	**0.25**		0.10	0.013	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Calcium	**100000**	**B**	110	29	mg/Kg	☼	09/08/14 18:00	09/09/14 22:07	10
Chromium	**15**		0.52	0.060	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Cobalt	**2.6**		0.26	0.052	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Copper	**10**		0.52	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Iron	**16000**		110	43	mg/Kg	☼	09/08/14 18:00	09/09/14 22:07	10
Lead	**5.1**		0.26	0.078	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Magnesium	**59000**	**B**	53	11	mg/Kg	☼	09/08/14 18:00	09/09/14 22:07	10
Manganese	**310**		0.52	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Nickel	**7.4**		0.52	0.10	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Potassium	**1000**		26	1.6	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Selenium	<0.52		0.52	0.19	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Silver	<0.26		0.26	0.019	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Sodium	**610**		52	7.0	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Thallium	<0.52		0.52	0.22	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Vanadium	**9.0**	**B**	0.26	0.039	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	1
Zinc	**15**		1.0	0.21	mg/Kg	☼	09/04/14 09:40	09/05/14 04:21	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		09/08/14 12:00	09/09/14 11:07	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 12:59	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	<16		16	6.2	ug/Kg	☼	09/04/14 15:00	09/05/14 11:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.33**		0.200	0.200	SU			08/29/14 19:33	1

Client Sample ID: 55-3(8-16)-082614
Date Collected: 08/26/14 10:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-12
Matrix: Solid
Percent Solids: 94.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.3		5.3	2.3	ug/Kg	☼		08/29/14 01:35	1
Benzene	<5.3		5.3	0.72	ug/Kg	☼		08/29/14 01:35	1
Bromodichloromethane	<5.3		5.3	0.91	ug/Kg	☼		08/29/14 01:35	1
Bromoform	<5.3		5.3	1.2	ug/Kg	☼		08/29/14 01:35	1
Bromomethane	<5.3		5.3	1.6	ug/Kg	☼		08/29/14 01:35	1
Carbon disulfide	<5.3		5.3	0.79	ug/Kg	☼		08/29/14 01:35	1
Carbon tetrachloride	<5.3		5.3	0.96	ug/Kg	☼		08/29/14 01:35	1
Chlorobenzene	<5.3		5.3	0.54	ug/Kg	☼		08/29/14 01:35	1
Chloroethane	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 01:35	1
Chloroform	<5.3		5.3	0.61	ug/Kg	☼		08/29/14 01:35	1
Chloromethane	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 01:35	1
cis-1,2-Dichloroethene	<5.3		5.3	0.75	ug/Kg	☼		08/29/14 01:35	1
cis-1,3-Dichloropropene	<5.3		5.3	0.69	ug/Kg	☼		08/29/14 01:35	1
Dibromochloromethane	<5.3		5.3	0.92	ug/Kg	☼		08/29/14 01:35	1
1,1-Dichloroethane	<5.3		5.3	0.84	ug/Kg	☼		08/29/14 01:35	1
1,2-Dichloroethane	<5.3		5.3	0.78	ug/Kg	☼		08/29/14 01:35	1
1,1-Dichloroethene	<5.3		5.3	0.85	ug/Kg	☼		08/29/14 01:35	1
1,2-Dichloropropane	<5.3		5.3	0.80	ug/Kg	☼		08/29/14 01:35	1
1,3-Dichloropropene, Total	<5.3		5.3	0.69	ug/Kg	☼		08/29/14 01:35	1
Ethylbenzene	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 01:35	1
2-Hexanone	<5.3		5.3	1.5	ug/Kg	☼		08/29/14 01:35	1
Methylene Chloride	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 01:35	1
Methyl Ethyl Ketone	<5.3		5.3	1.9	ug/Kg	☼		08/29/14 01:35	1
methyl isobutyl ketone	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 01:35	1
Methyl tert-butyl ether	<5.3		5.3	0.87	ug/Kg	☼		08/29/14 01:35	1
Styrene	<5.3		5.3	0.69	ug/Kg	☼		08/29/14 01:35	1
1,1,2,2-Tetrachloroethane	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 01:35	1
Tetrachloroethene	<5.3		5.3	0.81	ug/Kg	☼		08/29/14 01:35	1
Toluene	<5.3		5.3	0.74	ug/Kg	☼		08/29/14 01:35	1
trans-1,2-Dichloroethene	<5.3		5.3	0.73	ug/Kg	☼		08/29/14 01:35	1
trans-1,3-Dichloropropene	<5.3		5.3	0.95	ug/Kg	☼		08/29/14 01:35	1
1,1,1-Trichloroethane	<5.3		5.3	0.79	ug/Kg	☼		08/29/14 01:35	1
1,1,2-Trichloroethane	<5.3		5.3	0.72	ug/Kg	☼		08/29/14 01:35	1
Trichloroethene	<5.3		5.3	0.87	ug/Kg	☼		08/29/14 01:35	1
Vinyl chloride	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 01:35	1
Xylenes, Total	<11		11	0.48	ug/Kg	☼		08/29/14 01:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 122*		*08/29/14 01:35*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*08/29/14 01:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*08/29/14 01:35*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*08/29/14 01:35*	*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	36	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
1,2-Dichlorobenzene	<170		170	40	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
1,3-Dichlorobenzene	<170		170	38	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
1,4-Dichlorobenzene	<170		170	43	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
2,2'-oxybis[1-chloropropane]	<170		170	39	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-3(8-16)-082614
Date Collected: 08/26/14 10:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-12
Matrix: Solid
Percent Solids: 94.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<340		340	77	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
2,4,6-Trichlorophenol	<340		340	120	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
2,4-Dichlorophenol	<340		340	80	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
2,4-Dimethylphenol	<340		340	130	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
2,4-Dinitrophenol	<680		680	600	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
2,4-Dinitrotoluene	<170		170	54	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
2,6-Dinitrotoluene	<170		170	66	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
2-Chloronaphthalene	<170		170	37	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
2-Chlorophenol	<170		170	58	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
2-Methylnaphthalene	<34		34	6.2	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
2-Methylphenol	<170		170	54	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
2-Nitroaniline	<170		170	45	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
2-Nitrophenol	<340		340	80	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
3 & 4 Methylphenol	<170		170	56	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
3,3'-Dichlorobenzidine	<170		170	47	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
3-Nitroaniline	<340		340	100	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
4,6-Dinitro-2-methylphenol	<340		340	270	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
4-Bromophenyl phenyl ether	<170		170	45	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
4-Chloro-3-methylphenol	<340		340	110	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
4-Chloroaniline	<680		680	160	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
4-Chlorophenyl phenyl ether	<170		170	39	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
4-Nitroaniline	<340		340	140	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
4-Nitrophenol	<680		680	320	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Acenaphthene	<34		34	6.1	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Acenaphthylene	<34		34	4.5	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Anthracene	<34		34	5.6	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Benzo[a]anthracene	<34		34	4.5	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Benzo[a]pyrene	<34		34	6.5	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Benzo[b]fluoranthene	<34		34	7.3	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Benzo[g,h,i]perylene	<34		34	11	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Benzo[k]fluoranthene	<34		34	10	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Bis(2-chloroethoxy)methane	<170		170	34	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Bis(2-chloroethyl)ether	<170		170	51	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Bis(2-ethylhexyl) phthalate	<170		170	62	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Butyl benzyl phthalate	<170		170	64	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Carbazole	<170		170	87	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Chrysene	<34		34	9.2	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Dibenz(a,h)anthracene	<34		34	6.5	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Dibenzofuran	<170		170	40	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Diethyl phthalate	<170		170	57	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Dimethyl phthalate	<170		170	44	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Di-n-butyl phthalate	<170		170	51	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Di-n-octyl phthalate	<170		170	55	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Fluoranthene	<34		34	6.3	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Fluorene	<34		34	4.8	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Hexachlorobenzene	<68		68	7.8	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Hexachlorobutadiene	<170		170	53	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Hexachlorocyclopentadiene	<680		680	190	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Hexachloroethane	<170		170	51	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-3(8-16)-082614
Date Collected: 08/26/14 10:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-12
Matrix: Solid
Percent Solids: 94.6

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	<34		34	8.8	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Isophorone	<170		170	38	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Naphthalene	<34		34	5.2	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Nitrobenzene	<34		34	8.4	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
N-Nitrosodi-n-propylamine	<170		170	41	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
N-Nitrosodiphenylamine	<170		170	40	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Pentachlorophenol	<680		680	540	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Phenanthrene	<34		34	4.7	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Phenol	<170		170	75	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1
Pyrene	<34		34	6.7	ug/Kg	☼	09/03/14 16:55	09/05/14 22:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*82*		*35 - 137*	*09/03/14 16:55*	*09/05/14 22:03*	*1*
2-Fluorobiphenyl	*67*		*25 - 119*	*09/03/14 16:55*	*09/05/14 22:03*	*1*
2-Fluorophenol	*92*		*25 - 110*	*09/03/14 16:55*	*09/05/14 22:03*	*1*
Nitrobenzene-d5	*59*		*25 - 115*	*09/03/14 16:55*	*09/05/14 22:03*	*1*
Phenol-d5	*81*		*31 - 110*	*09/03/14 16:55*	*09/05/14 22:03*	*1*
Terphenyl-d14	*119*		*36 - 134*	*09/03/14 16:55*	*09/05/14 22:03*	*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		09/06/14 08:35	09/08/14 18:14	1
Barium	**0.32**	**J**	0.50	0.050	mg/L		09/06/14 08:35	09/08/14 18:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 08:35	09/08/14 18:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 08:35	09/08/14 18:14	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:14	1
Cobalt	**0.054**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:14	1
Copper	**0.049**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:14	1
Iron	**0.25**		0.20	0.20	mg/L		09/06/14 08:35	09/08/14 18:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 08:35	09/08/14 18:14	1
Manganese	**4.3**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:14	1
Nickel	**0.039**		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:14	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 08:35	09/08/14 18:14	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 08:35	09/08/14 18:14	1
Zinc	**0.17**	**B**	0.10	0.020	mg/L		09/06/14 08:35	09/08/14 18:14	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 08:30	09/05/14 00:46	1
Barium	<0.50		0.50	0.050	mg/L		09/04/14 08:30	09/05/14 00:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:30	09/05/14 00:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:30	09/05/14 00:46	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:46	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:46	1
Copper	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:46	1
Iron	<0.20		0.20	0.20	mg/L		09/04/14 08:30	09/05/14 00:46	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:30	09/05/14 00:46	1
Manganese	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:46	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:30	09/05/14 00:46	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:30	09/05/14 00:46	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83013-1

Client Sample ID: 55-3(8-16)-082614
Date Collected: 08/26/14 10:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83013-12
Matrix: Solid

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 08:30	09/05/14 00:46	1
Zinc	<0.10		0.10	0.020	mg/L		09/04/14 08:30	09/05/14 00:46	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<10		10	4.0	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Arsenic	**2.8**	**J**	5.0	0.99	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Barium	**18**		5.0	0.53	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Beryllium	**0.52**	**J**	2.0	0.40	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Cadmium	**0.41**	**J**	1.0	0.13	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Calcium	**160000**	**B**	100	27	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Chromium	**4.7**	**J B**	5.0	0.58	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Cobalt	**5.9**		2.5	0.50	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Copper	**27**		5.0	1.0	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Iron	**16000**		100	41	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Lead	**5.1**	**B**	2.5	0.74	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Magnesium	**88000**	**B**	50	10	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Manganese	**420**		5.0	1.0	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Nickel	**12**		5.0	1.0	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Potassium	**560**		250	15	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Selenium	<2.5		2.5	0.88	mg/Kg	☼	09/08/14 18:00	09/10/14 13:18	5
Silver	<2.5		2.5	0.18	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Sodium	**540**		500	67	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Thallium	<5.0		5.0	2.1	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Vanadium	**29**		2.5	0.37	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10
Zinc	**31**		10	2.0	mg/Kg	☼	09/08/14 18:00	09/09/14 22:11	10

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		09/08/14 12:00	09/09/14 11:09	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 13:01	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	**6.9**	**J**	17	6.5	ug/Kg	☼	09/04/14 15:00	09/05/14 11:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.58**		0.200	0.200	SU			08/29/14 19:33	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
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.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside 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.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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: 500-83013-1

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

TestAmerica

THE LEADER IN ENVIRON

2417 Bond Street, University
Phone: 708.534.5200 Fax

500-83013 COC

(optional)

Report To
Contact: S. Balasubramanian
Company: Weston
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax:
E-Mail:

(optional)

Bill To
Contact:
Company:
Address:
Address: Same
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-83013

Chain of Custody Number:

Page 1 of 4

Temperature °C of Cooler: (3.2) (2.6)

Client: Weston
Client Project #:
Project Name: IDOT-085
Project Location/State: Channahon / IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Parameter: VOCs	SVOCs	Total metals	TCLP/SPLP metals	PH	Comments
1		SS-18(0-8)-082614	8-26-14	0735	2	S	X	X	X	X	X	
2		SS-18(8-16)-082614		0745								
3		SS-18(16-24)-082614		0800								
4		SS-2(0-5)-082614		0855								
5		SS-2(5-10)-082614		0900								
6		SS-21(0-5)-082614		0910								
7		SS-21(5-10)-082614		0915								
8		SS-21(5-10)-082614(D)		0915								
9		SS-22(0-5)-082614		0940								
10		SS-22(5-10)-082614	8-26-14	0945	2	S	X	X	X	X	X	

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Std Other
Requested Due Date _____

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Timothy A. Walls	Weston	8-26-14	1600		TA	8-26-14	1600
	TA	8-26-14	1650		TA	8/27/14	0630

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

(optional)

Report To
Contact: S. Balasubramanian
Company: Weston
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax:
E-Mail:

(optional)

Bill To
Contact:
Company:
Address:
Address: Same
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-83013

Chain of Custody Number:

Page 2 of 4

Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT-085
Project Location/State: Channahon / IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total metals	TCLP/SPLP metals	PH					Comments
11		SS-3 (0-8)-082614	8-26-14	1000	2	S		X	X	X	X	X					
12		SS-3 (8-16)-082614		1015													
13		SS-1 (0-7)-082614		1130													
14		SS-1 (7-15)-082614		1135													
15		VL-1 (0-7)-082614		1220													
16		VL-1 (7-15)-082614		1225													
17		BP-1 (0-7)-082614		1250													
18		BP-1 (7-15)-082614		1255													
19		BP-1 (7-15)-082614D		1255													
20		BP-2 (0-7)-082614	8-26-14	1325	2	S		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 [X] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

	Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1	Timothy A. Walls	Weston	8-26-14	1600		TA	8-26-14	1600
2		TA	8-26-14	1650		TA	8/27/14	0630
3								

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

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-83014-1
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 2:48:06 PM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-10(0-8)-082614
Date Collected: 08/26/14 14:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-7
Matrix: Solid
Percent Solids: 84.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99		5.9	2.6	ug/Kg	☼		08/29/14 07:29	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		08/29/14 07:29	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		08/29/14 07:29	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		08/29/14 07:29	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		08/29/14 07:29	1
Carbon disulfide	<5.9		5.9	0.89	ug/Kg	☼		08/29/14 07:29	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		08/29/14 07:29	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		08/29/14 07:29	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		08/29/14 07:29	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		08/29/14 07:29	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		08/29/14 07:29	1
cis-1,2-Dichloroethene	<5.9		5.9	0.84	ug/Kg	☼		08/29/14 07:29	1
cis-1,3-Dichloropropene	<5.9		5.9	0.78	ug/Kg	☼		08/29/14 07:29	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		08/29/14 07:29	1
1,1-Dichloroethane	<5.9		5.9	0.94	ug/Kg	☼		08/29/14 07:29	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	☼		08/29/14 07:29	1
1,1-Dichloroethene	<5.9		5.9	0.96	ug/Kg	☼		08/29/14 07:29	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	☼		08/29/14 07:29	1
1,3-Dichloropropene, Total	<5.9		5.9	0.78	ug/Kg	☼		08/29/14 07:29	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		08/29/14 07:29	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		08/29/14 07:29	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		08/29/14 07:29	1
Methyl Ethyl Ketone	14		5.9	2.1	ug/Kg	☼		08/29/14 07:29	1
methyl isobutyl ketone	<5.9		5.9	1.6	ug/Kg	☼		08/29/14 07:29	1
Methyl tert-butyl ether	<5.9		5.9	0.98	ug/Kg	☼		08/29/14 07:29	1
Styrene	<5.9		5.9	0.78	ug/Kg	☼		08/29/14 07:29	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		08/29/14 07:29	1
Tetrachloroethene	<5.9		5.9	0.91	ug/Kg	☼		08/29/14 07:29	1
Toluene	<5.9		5.9	0.83	ug/Kg	☼		08/29/14 07:29	1
trans-1,2-Dichloroethene	<5.9		5.9	0.82	ug/Kg	☼		08/29/14 07:29	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		08/29/14 07:29	1
1,1,1-Trichloroethane	<5.9		5.9	0.89	ug/Kg	☼		08/29/14 07:29	1
1,1,2-Trichloroethane	<5.9		5.9	0.81	ug/Kg	☼		08/29/14 07:29	1
Trichloroethene	<5.9		5.9	0.98	ug/Kg	☼		08/29/14 07:29	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		08/29/14 07:29	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		08/29/14 07:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 122*		*08/29/14 07:29*	*1*
Dibromofluoromethane	*111*		*75 - 120*		*08/29/14 07:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 134*		*08/29/14 07:29*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*08/29/14 07:29*	*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	☼	09/04/14 16:15	09/08/14 21:03	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-10(0-8)-082614
Date Collected: 08/26/14 14:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-7
Matrix: Solid
Percent Solids: 84.2

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	☼	09/04/14 16:15	09/08/14 21:03	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
2,4-Dinitrophenol	<760		760	670	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
2-Methylnaphthalene	**23**	**J**	38	7.0	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
2-Methylphenol	<190		190	61	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
4,6-Dinitro-2-methylphenol	<380		380	300	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Anthracene	<38		38	6.3	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Benzo[a]anthracene	**18**	**J**	38	5.1	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Benzo[a]pyrene	**17**	**J**	38	7.3	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Benzo[b]fluoranthene	**23**	**J**	38	8.2	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Benzo[g,h,i]perylene	**17**	**J**	38	12	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Benzo[k]fluoranthene	**12**	**J**	38	11	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Carbazole	<190		190	98	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Chrysene	**19**	**J**	38	10	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Dibenz(a,h)anthracene	<38		38	7.3	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Dibenzofuran	<190		190	44	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Fluoranthene	**52**		38	7.0	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Fluorene	<38		38	5.3	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Hexachlorobenzene	<76		76	8.8	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Hexachlorocyclopentadiene	<760	*	760	220	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Hexachloroethane	<190		190	58	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-10(0-8)-082614
Date Collected: 08/26/14 14:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-7
Matrix: Solid
Percent Solids: 84.2

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	10	J	38	9.8	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Isophorone	<190		190	43	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Naphthalene	<38		38	5.8	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Phenanthrene	32	J	38	5.3	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Phenol	<190		190	84	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1
Pyrene	15	J	38	7.5	ug/Kg	☼	09/04/14 16:15	09/08/14 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*69*		*35 - 137*	*09/04/14 16:15*	*09/08/14 21:03*	*1*
2-Fluorobiphenyl	*55*		*25 - 119*	*09/04/14 16:15*	*09/08/14 21:03*	*1*
2-Fluorophenol	*52*		*25 - 110*	*09/04/14 16:15*	*09/08/14 21:03*	*1*
Nitrobenzene-d5	*50*		*25 - 115*	*09/04/14 16:15*	*09/08/14 21:03*	*1*
Phenol-d5	*64*		*31 - 110*	*09/04/14 16:15*	*09/08/14 21:03*	*1*
Terphenyl-d14	*68*		*36 - 134*	*09/04/14 16:15*	*09/08/14 21:03*	*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		09/06/14 09:10	09/08/14 20:51	1
Barium	0.57		0.50	0.050	mg/L		09/06/14 09:10	09/08/14 20:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 09:10	09/08/14 20:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 09:10	09/08/14 20:51	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:51	1
Cobalt	0.013	J	0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:51	1
Copper	0.034		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:51	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 09:10	09/08/14 20:51	1
Lead	0.0083		0.0075	0.0075	mg/L		09/06/14 09:10	09/08/14 20:51	1
Manganese	6.6		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:51	1
Nickel	0.015	J	0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:51	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 09:10	09/08/14 20:51	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:51	1
Zinc	0.25		0.10	0.020	mg/L		09/06/14 09:10	09/08/14 20:51	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	J	0.050	0.010	mg/L		09/04/14 08:55	09/04/14 17:34	1
Barium	0.51		0.50	0.050	mg/L		09/04/14 08:55	09/04/14 17:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:55	09/04/14 17:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:55	09/04/14 17:34	1
Chromium	0.053		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:34	1
Cobalt	0.012	J	0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:34	1
Copper	0.075		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:34	1
Iron	43		0.20	0.20	mg/L		09/04/14 08:55	09/04/14 17:34	1
Lead	0.058		0.0075	0.0075	mg/L		09/04/14 08:55	09/04/14 17:34	1
Manganese	0.57		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:34	1
Nickel	0.043		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:34	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:55	09/04/14 17:34	1

Client Sample ID: 55-10(0-8)-082614
Date Collected: 08/26/14 14:55
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-7
Matrix: Solid

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 17:34	1
Zinc	**0.49**	**B**	0.10	0.020	mg/L		09/04/14 08:55	09/04/14 17:34	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	☼	09/04/14 09:55	09/05/14 07:12	1
Arsenic	**4.1**		0.57	0.11	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Barium	**40**		0.57	0.061	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Beryllium	**0.37**		0.23	0.046	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Cadmium	**0.29**		0.11	0.015	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Calcium	**110000**	**B**	110	31	mg/Kg	☼	09/04/14 09:55	09/05/14 15:02	10
Chromium	**8.3**		0.57	0.066	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Cobalt	**3.7**		0.29	0.057	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Copper	**11**		0.57	0.11	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Iron	**9200**		11	4.7	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Lead	**12**		0.29	0.085	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Magnesium	**53000**	**B**	5.7	1.2	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Manganese	**410**		0.57	0.11	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Nickel	**8.9**		0.57	0.11	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Potassium	**1600**		29	1.7	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Selenium	<0.57		0.57	0.20	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Sodium	**1300**		57	7.7	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Thallium	**0.55**	**J**	0.57	0.24	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Vanadium	**14**		0.29	0.042	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	1
Zinc	**22**		1.1	0.23	mg/Kg	☼	09/04/14 09:55	09/05/14 07:12	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		09/08/14 12:00	09/09/14 11:56	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 11:03	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	☼	09/05/14 15:30	09/08/14 09:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.46**		0.200	0.200	SU			09/03/14 13:39	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-10(8-16)-082614
Date Collected: 08/26/14 15:05
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-8
Matrix: Solid
Percent Solids: 81.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.2		6.2	2.7	ug/Kg	☼		08/29/14 07:52	1
Benzene	<6.2		6.2	0.85	ug/Kg	☼		08/29/14 07:52	1
Bromodichloromethane	<6.2		6.2	1.1	ug/Kg	☼		08/29/14 07:52	1
Bromoform	<6.2		6.2	1.4	ug/Kg	☼		08/29/14 07:52	1
Bromomethane	<6.2		6.2	1.9	ug/Kg	☼		08/29/14 07:52	1
Carbon disulfide	<6.2		6.2	0.92	ug/Kg	☼		08/29/14 07:52	1
Carbon tetrachloride	<6.2		6.2	1.1	ug/Kg	☼		08/29/14 07:52	1
Chlorobenzene	<6.2		6.2	0.63	ug/Kg	☼		08/29/14 07:52	1
Chloroethane	<6.2		6.2	1.7	ug/Kg	☼		08/29/14 07:52	1
Chloroform	<6.2		6.2	0.71	ug/Kg	☼		08/29/14 07:52	1
Chloromethane	<6.2		6.2	1.3	ug/Kg	☼		08/29/14 07:52	1
cis-1,2-Dichloroethene	<6.2		6.2	0.87	ug/Kg	☼		08/29/14 07:52	1
cis-1,3-Dichloropropene	<6.2		6.2	0.81	ug/Kg	☼		08/29/14 07:52	1
Dibromochloromethane	<6.2		6.2	1.1	ug/Kg	☼		08/29/14 07:52	1
1,1-Dichloroethane	<6.2		6.2	0.98	ug/Kg	☼		08/29/14 07:52	1
1,2-Dichloroethane	<6.2		6.2	0.91	ug/Kg	☼		08/29/14 07:52	1
1,1-Dichloroethene	<6.2		6.2	1.0	ug/Kg	☼		08/29/14 07:52	1
1,2-Dichloropropane	<6.2		6.2	0.94	ug/Kg	☼		08/29/14 07:52	1
1,3-Dichloropropene, Total	<6.2		6.2	0.81	ug/Kg	☼		08/29/14 07:52	1
Ethylbenzene	<6.2		6.2	1.2	ug/Kg	☼		08/29/14 07:52	1
2-Hexanone	<6.2		6.2	1.8	ug/Kg	☼		08/29/14 07:52	1
Methylene Chloride	<6.2		6.2	1.7	ug/Kg	☼		08/29/14 07:52	1
Methyl Ethyl Ketone	<6.2		6.2	2.2	ug/Kg	☼		08/29/14 07:52	1
methyl isobutyl ketone	<6.2		6.2	1.6	ug/Kg	☼		08/29/14 07:52	1
Methyl tert-butyl ether	<6.2		6.2	1.0	ug/Kg	☼		08/29/14 07:52	1
Styrene	<6.2		6.2	0.81	ug/Kg	☼		08/29/14 07:52	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	1.2	ug/Kg	☼		08/29/14 07:52	1
Tetrachloroethene	<6.2		6.2	0.94	ug/Kg	☼		08/29/14 07:52	1
Toluene	<6.2		6.2	0.86	ug/Kg	☼		08/29/14 07:52	1
trans-1,2-Dichloroethene	<6.2		6.2	0.85	ug/Kg	☼		08/29/14 07:52	1
trans-1,3-Dichloropropene	<6.2		6.2	1.1	ug/Kg	☼		08/29/14 07:52	1
1,1,1-Trichloroethane	<6.2		6.2	0.92	ug/Kg	☼		08/29/14 07:52	1
1,1,2-Trichloroethane	<6.2		6.2	0.84	ug/Kg	☼		08/29/14 07:52	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	☼		08/29/14 07:52	1
Vinyl chloride	<6.2		6.2	1.3	ug/Kg	☼		08/29/14 07:52	1
Xylenes, Total	<12		12	0.56	ug/Kg	☼		08/29/14 07:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 122*		*08/29/14 07:52*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*08/29/14 07:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*		*08/29/14 07:52*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*08/29/14 07:52*	*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	☼	09/04/14 16:15	09/08/14 21:27	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-10(8-16)-082614
Date Collected: 08/26/14 15:05
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-8
Matrix: Solid
Percent Solids: 81.0

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	☼	09/04/14 16:15	09/08/14 21:27	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
2,4-Dinitrophenol	<810		810	700	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
2-Methylnaphthalene	<40		40	7.4	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
2-Methylphenol	<200		200	64	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
2-Nitrophenol	<400		400	94	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Anthracene	<40		40	6.7	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Benzo[a]anthracene	<40		40	5.4	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Benzo[a]pyrene	<40		40	7.7	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Benzo[b]fluoranthene	<40		40	8.6	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Carbazole	<200		200	100	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Chrysene	<40		40	11	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Dibenz(a,h)anthracene	<40		40	7.7	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Dibenzofuran	<200		200	47	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Fluoranthene	<40		40	7.4	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Fluorene	<40		40	5.6	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Hexachlorocyclopentadiene	<810	*	810	230	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Hexachloroethane	<200		200	61	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-10(8-16)-082614
Date Collected: 08/26/14 15:05
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-8
Matrix: Solid
Percent Solids: 81.0

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	<40		40	10	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Isophorone	<200		200	45	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Naphthalene	<40		40	6.1	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Nitrobenzene	<40		40	10	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Phenanthrene	<40		40	5.6	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Phenol	<200		200	89	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1
Pyrene	<40		40	7.9	ug/Kg	☼	09/04/14 16:15	09/08/14 21:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*84*		*35 - 137*	*09/04/14 16:15*	*09/08/14 21:27*	*1*
2-Fluorobiphenyl	*55*		*25 - 119*	*09/04/14 16:15*	*09/08/14 21:27*	*1*
2-Fluorophenol	*63*		*25 - 110*	*09/04/14 16:15*	*09/08/14 21:27*	*1*
Nitrobenzene-d5	*53*		*25 - 115*	*09/04/14 16:15*	*09/08/14 21:27*	*1*
Phenol-d5	*75*		*31 - 110*	*09/04/14 16:15*	*09/08/14 21:27*	*1*
Terphenyl-d14	*72*		*36 - 134*	*09/04/14 16:15*	*09/08/14 21:27*	*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		09/06/14 09:10	09/08/14 20:57	1
Barium	**0.65**		0.50	0.050	mg/L		09/06/14 09:10	09/08/14 20:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 09:10	09/08/14 20:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 09:10	09/08/14 20:57	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:57	1
Cobalt	**0.015**	**J**	0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:57	1
Copper	**0.040**		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:57	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 09:10	09/08/14 20:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 09:10	09/08/14 20:57	1
Manganese	**4.7**		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:57	1
Nickel	**0.014**	**J**	0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:57	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 09:10	09/08/14 20:57	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 20:57	1
Zinc	**0.24**		0.10	0.020	mg/L		09/06/14 09:10	09/08/14 20:57	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.014**	**J**	0.050	0.010	mg/L		09/04/14 08:55	09/04/14 17:38	1
Barium	**0.47**	**J**	0.50	0.050	mg/L		09/04/14 08:55	09/04/14 17:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:55	09/04/14 17:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:55	09/04/14 17:38	1
Chromium	**0.047**		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:38	1
Cobalt	**0.012**	**J**	0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:38	1
Copper	**0.18**		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:38	1
Iron	**35**		0.20	0.20	mg/L		09/04/14 08:55	09/04/14 17:38	1
Lead	**0.17**		0.0075	0.0075	mg/L		09/04/14 08:55	09/04/14 17:38	1
Manganese	**0.57**		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:38	1
Nickel	**0.036**		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:38	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:55	09/04/14 17:38	1

Client Sample ID: 55-10(8-16)-082614
Date Collected: 08/26/14 15:05
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-8
Matrix: Solid

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 17:38	1
Zinc	**0.48**	**B**	0.10	0.020	mg/L		09/04/14 08:55	09/04/14 17:38	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.49	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Arsenic	**9.5**		0.61	0.12	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Barium	**92**		0.61	0.065	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Beryllium	**0.71**		0.24	0.049	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Cadmium	**0.052**	**J**	0.12	0.015	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Calcium	**5300**	**B**	12	3.3	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Chromium	**21**		0.61	0.071	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Cobalt	**8.8**		0.30	0.061	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Copper	**20**		0.61	0.12	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Iron	**22000**		12	5.0	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Lead	**11**		0.30	0.091	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Magnesium	**4400**	**B**	6.1	1.3	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Manganese	**560**		0.61	0.12	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Nickel	**20**		0.61	0.12	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Potassium	**2200**		30	1.8	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Selenium	<0.61		0.61	0.22	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Silver	<0.30		0.30	0.022	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Sodium	**1400**		61	8.2	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Thallium	**1.0**		0.61	0.26	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Vanadium	**35**		0.30	0.045	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	1
Zinc	**46**		1.2	0.25	mg/Kg	☼	09/04/14 09:55	09/05/14 07:19	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		09/08/14 12:00	09/09/14 11:58	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 11:05	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	7.5	ug/Kg	☼	09/05/14 15:30	09/08/14 10:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.90**		0.200	0.200	SU			09/03/14 13:48	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-10(16-23)-082614
Date Collected: 08/26/14 15:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-9
Matrix: Solid
Percent Solids: 92.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.4		5.4	2.3	ug/Kg	☼		08/29/14 08:15	1
Benzene	<5.4		5.4	0.74	ug/Kg	☼		08/29/14 08:15	1
Bromodichloromethane	<5.4		5.4	0.93	ug/Kg	☼		08/29/14 08:15	1
Bromoform	<5.4		5.4	1.2	ug/Kg	☼		08/29/14 08:15	1
Bromomethane	<5.4		5.4	1.6	ug/Kg	☼		08/29/14 08:15	1
Carbon disulfide	<5.4		5.4	0.81	ug/Kg	☼		08/29/14 08:15	1
Carbon tetrachloride	<5.4		5.4	0.98	ug/Kg	☼		08/29/14 08:15	1
Chlorobenzene	<5.4		5.4	0.55	ug/Kg	☼		08/29/14 08:15	1
Chloroethane	<5.4		5.4	1.5	ug/Kg	☼		08/29/14 08:15	1
Chloroform	<5.4		5.4	0.62	ug/Kg	☼		08/29/14 08:15	1
Chloromethane	<5.4		5.4	1.1	ug/Kg	☼		08/29/14 08:15	1
cis-1,2-Dichloroethene	<5.4		5.4	0.76	ug/Kg	☼		08/29/14 08:15	1
cis-1,3-Dichloropropene	<5.4		5.4	0.71	ug/Kg	☼		08/29/14 08:15	1
Dibromochloromethane	<5.4		5.4	0.94	ug/Kg	☼		08/29/14 08:15	1
1,1-Dichloroethane	<5.4		5.4	0.85	ug/Kg	☼		08/29/14 08:15	1
1,2-Dichloroethane	<5.4		5.4	0.80	ug/Kg	☼		08/29/14 08:15	1
1,1-Dichloroethene	<5.4		5.4	0.87	ug/Kg	☼		08/29/14 08:15	1
1,2-Dichloropropane	<5.4		5.4	0.82	ug/Kg	☼		08/29/14 08:15	1
1,3-Dichloropropene, Total	<5.4		5.4	0.71	ug/Kg	☼		08/29/14 08:15	1
Ethylbenzene	<5.4		5.4	1.1	ug/Kg	☼		08/29/14 08:15	1
2-Hexanone	<5.4		5.4	1.6	ug/Kg	☼		08/29/14 08:15	1
Methylene Chloride	<5.4		5.4	1.5	ug/Kg	☼		08/29/14 08:15	1
Methyl Ethyl Ketone	<5.4		5.4	2.0	ug/Kg	☼		08/29/14 08:15	1
methyl isobutyl ketone	<5.4		5.4	1.4	ug/Kg	☼		08/29/14 08:15	1
Methyl tert-butyl ether	<5.4		5.4	0.89	ug/Kg	☼		08/29/14 08:15	1
Styrene	<5.4		5.4	0.71	ug/Kg	☼		08/29/14 08:15	1
1,1,2,2-Tetrachloroethane	<5.4		5.4	1.1	ug/Kg	☼		08/29/14 08:15	1
Tetrachloroethene	<5.4		5.4	0.83	ug/Kg	☼		08/29/14 08:15	1
Toluene	<5.4		5.4	0.76	ug/Kg	☼		08/29/14 08:15	1
trans-1,2-Dichloroethene	<5.4		5.4	0.74	ug/Kg	☼		08/29/14 08:15	1
trans-1,3-Dichloropropene	<5.4		5.4	0.97	ug/Kg	☼		08/29/14 08:15	1
1,1,1-Trichloroethane	<5.4		5.4	0.81	ug/Kg	☼		08/29/14 08:15	1
1,1,2-Trichloroethane	<5.4		5.4	0.74	ug/Kg	☼		08/29/14 08:15	1
Trichloroethene	<5.4		5.4	0.89	ug/Kg	☼		08/29/14 08:15	1
Vinyl chloride	<5.4		5.4	1.1	ug/Kg	☼		08/29/14 08:15	1
Xylenes, Total	<11		11	0.49	ug/Kg	☼		08/29/14 08:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 122*		*08/29/14 08:15*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*08/29/14 08:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 134*		*08/29/14 08:15*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*08/29/14 08:15*	*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	☼	09/04/14 16:15	09/08/14 21:50	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-10(16-23)-082614
Date Collected: 08/26/14 15:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-9
Matrix: Solid
Percent Solids: 92.5

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	☼	09/04/14 16:15	09/08/14 21:50	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
2,4-Dichlorophenol	<350		350	85	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
2,4-Dimethylphenol	<350		350	140	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
2-Methylnaphthalene	<35		35	6.5	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
2-Methylphenol	<180		180	57	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
4,6-Dinitro-2-methylphenol	<350		350	290	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Acenaphthene	<35		35	6.4	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Anthracene	<35		35	5.9	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Benzo[a]anthracene	**8.5**	**J**	35	4.8	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Benzo[a]pyrene	<35		35	6.9	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Benzo[b]fluoranthene	**10**	**J**	35	7.7	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Benzo[g,h,i]perylene	<35		35	11	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Benzo[k]fluoranthene	<35		35	10	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Carbazole	<180		180	92	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Chrysene	<35		35	9.7	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Dibenz(a,h)anthracene	<35		35	6.9	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Dibenzofuran	<180		180	42	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Fluoranthene	**26**	**J**	35	6.6	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Fluorene	<35		35	5.0	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Hexachlorocyclopentadiene	<720	*	720	200	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Hexachloroethane	<180		180	54	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1

Client Sample ID: 55-10(16-23)-082614
Date Collected: 08/26/14 15:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-9
Matrix: Solid
Percent Solids: 92.5

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	<35		35	9.2	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Isophorone	<180		180	40	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Naphthalene	<35		35	5.5	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Nitrobenzene	<35		35	8.9	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Pentachlorophenol	<720		720	570	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Phenanthrene	<35		35	5.0	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Phenol	<180		180	79	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1
Pyrene	<35		35	7.1	ug/Kg	☼	09/04/14 16:15	09/08/14 21:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*62*		*35 - 137*	*09/04/14 16:15*	*09/08/14 21:50*	*1*
2-Fluorobiphenyl	*67*		*25 - 119*	*09/04/14 16:15*	*09/08/14 21:50*	*1*
2-Fluorophenol	*66*		*25 - 110*	*09/04/14 16:15*	*09/08/14 21:50*	*1*
Nitrobenzene-d5	*62*		*25 - 115*	*09/04/14 16:15*	*09/08/14 21:50*	*1*
Phenol-d5	*79*		*31 - 110*	*09/04/14 16:15*	*09/08/14 21:50*	*1*
Terphenyl-d14	*70*		*36 - 134*	*09/04/14 16:15*	*09/08/14 21:50*	*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		09/06/14 09:10	09/08/14 21:03	1
Barium	**0.27**	**J**	0.50	0.050	mg/L		09/06/14 09:10	09/08/14 21:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 09:10	09/08/14 21:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 09:10	09/08/14 21:03	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:03	1
Cobalt	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:03	1
Copper	**0.028**		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:03	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 09:10	09/08/14 21:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 09:10	09/08/14 21:03	1
Manganese	**1.1**		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:03	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:03	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 09:10	09/08/14 21:03	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:03	1
Zinc	**0.20**		0.10	0.020	mg/L		09/06/14 09:10	09/08/14 21:03	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 17:42	1
Barium	**0.36**	**J**	0.50	0.050	mg/L		09/04/14 08:55	09/04/14 17:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:55	09/04/14 17:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:55	09/04/14 17:42	1
Chromium	**0.023**	**J**	0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:42	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:42	1
Copper	**0.042**		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:42	1
Iron	**11**		0.20	0.20	mg/L		09/04/14 08:55	09/04/14 17:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:55	09/04/14 17:42	1
Manganese	**0.075**		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:42	1
Nickel	**0.010**	**J**	0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:42	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:55	09/04/14 17:42	1

Client Sample ID: 55-10(16-23)-082614
Date Collected: 08/26/14 15:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-9
Matrix: Solid

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 17:42	1
Zinc	**0.30**	**B**	0.10	0.020	mg/L		09/04/14 08:55	09/04/14 17:42	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	☼	09/04/14 09:55	09/05/14 07:41	1
Arsenic	**3.6**		0.50	0.099	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Barium	**8.7**		0.50	0.053	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Beryllium	**0.15**	**J**	0.20	0.040	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Cadmium	**0.15**		0.10	0.013	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Calcium	**130000**	**B**	100	27	mg/Kg	☼	09/04/14 09:55	09/05/14 15:06	10
Chromium	**4.5**		0.50	0.058	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Cobalt	**2.0**		0.25	0.050	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Copper	**6.5**		0.50	0.10	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Iron	**6600**		10	4.1	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Lead	**3.7**		0.25	0.074	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Magnesium	**72000**	**B**	50	10	mg/Kg	☼	09/04/14 09:55	09/05/14 15:06	10
Manganese	**400**		0.50	0.10	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Nickel	**5.5**		0.50	0.10	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Potassium	**1000**		25	1.5	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Selenium	<0.50		0.50	0.18	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Silver	<0.25		0.25	0.018	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Sodium	**640**		50	6.7	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Thallium	**0.30**	**J**	0.50	0.21	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Vanadium	**6.7**		0.25	0.037	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	1
Zinc	**14**		1.0	0.20	mg/Kg	☼	09/04/14 09:55	09/05/14 07:41	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		09/08/14 12:00	09/09/14 12:00	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 11:07	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	6.2	ug/Kg	☼	09/05/14 15:30	09/08/14 10:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.87**		0.200	0.200	SU			09/03/14 13:57	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-10(16-23)-082614D
Date Collected: 08/26/14 15:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-10
Matrix: Solid
Percent Solids: 91.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.5		5.5	2.4	ug/Kg	☼		08/29/14 18:06	1
Benzene	<5.5		5.5	0.75	ug/Kg	☼		08/29/14 18:06	1
Bromodichloromethane	<5.5		5.5	0.94	ug/Kg	☼		08/29/14 18:06	1
Bromoform	<5.5		5.5	1.3	ug/Kg	☼		08/29/14 18:06	1
Bromomethane	<5.5		5.5	1.6	ug/Kg	☼		08/29/14 18:06	1
Carbon disulfide	<5.5		5.5	0.81	ug/Kg	☼		08/29/14 18:06	1
Carbon tetrachloride	<5.5		5.5	0.99	ug/Kg	☼		08/29/14 18:06	1
Chlorobenzene	<5.5		5.5	0.55	ug/Kg	☼		08/29/14 18:06	1
Chloroethane	<5.5		5.5	1.5	ug/Kg	☼		08/29/14 18:06	1
Chloroform	<5.5		5.5	0.63	ug/Kg	☼		08/29/14 18:06	1
Chloromethane	<5.5		5.5	1.1	ug/Kg	☼		08/29/14 18:06	1
cis-1,2-Dichloroethene	<5.5		5.5	0.77	ug/Kg	☼		08/29/14 18:06	1
cis-1,3-Dichloropropene	<5.5		5.5	0.72	ug/Kg	☼		08/29/14 18:06	1
Dibromochloromethane	<5.5		5.5	0.95	ug/Kg	☼		08/29/14 18:06	1
1,1-Dichloroethane	<5.5		5.5	0.86	ug/Kg	☼		08/29/14 18:06	1
1,2-Dichloroethane	<5.5		5.5	0.81	ug/Kg	☼		08/29/14 18:06	1
1,1-Dichloroethene	<5.5		5.5	0.88	ug/Kg	☼		08/29/14 18:06	1
1,2-Dichloropropane	<5.5		5.5	0.83	ug/Kg	☼		08/29/14 18:06	1
1,3-Dichloropropene, Total	<5.5		5.5	0.72	ug/Kg	☼		08/29/14 18:06	1
Ethylbenzene	<5.5		5.5	1.1	ug/Kg	☼		08/29/14 18:06	1
2-Hexanone	<5.5		5.5	1.6	ug/Kg	☼		08/29/14 18:06	1
Methylene Chloride	<5.5		5.5	1.5	ug/Kg	☼		08/29/14 18:06	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		08/29/14 18:06	1
methyl isobutyl ketone	<5.5		5.5	1.4	ug/Kg	☼		08/29/14 18:06	1
Methyl tert-butyl ether	<5.5		5.5	0.90	ug/Kg	☼		08/29/14 18:06	1
Styrene	<5.5		5.5	0.72	ug/Kg	☼		08/29/14 18:06	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	1.1	ug/Kg	☼		08/29/14 18:06	1
Tetrachloroethene	<5.5		5.5	0.83	ug/Kg	☼		08/29/14 18:06	1
Toluene	<5.5		5.5	0.76	ug/Kg	☼		08/29/14 18:06	1
trans-1,2-Dichloroethene	<5.5		5.5	0.75	ug/Kg	☼		08/29/14 18:06	1
trans-1,3-Dichloropropene	<5.5		5.5	0.98	ug/Kg	☼		08/29/14 18:06	1
1,1,1-Trichloroethane	<5.5		5.5	0.81	ug/Kg	☼		08/29/14 18:06	1
1,1,2-Trichloroethane	<5.5		5.5	0.74	ug/Kg	☼		08/29/14 18:06	1
Trichloroethene	<5.5		5.5	0.90	ug/Kg	☼		08/29/14 18:06	1
Vinyl chloride	<5.5		5.5	1.1	ug/Kg	☼		08/29/14 18:06	1
Xylenes, Total	<11		11	0.49	ug/Kg	☼		08/29/14 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 122*		*08/29/14 18:06*	*1*
Dibromofluoromethane	*109*		*75 - 120*		*08/29/14 18:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*08/29/14 18:06*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*08/29/14 18:06*	*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	37	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
1,2-Dichlorobenzene	<170		170	41	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
1,3-Dichlorobenzene	<170		170	39	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
1,4-Dichlorobenzene	<170		170	44	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
2,2'-oxybis[1-chloropropane]	<170		170	40	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-10(16-23)-082614D
Date Collected: 08/26/14 15:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-10
Matrix: Solid
Percent Solids: 91.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<340		340	78	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
2,4,6-Trichlorophenol	<340		340	120	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
2,4-Dichlorophenol	<340		340	81	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
2,4-Dimethylphenol	<340		340	130	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
2,4-Dinitrophenol	<690		690	600	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
2,4-Dinitrotoluene	<170		170	54	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
2,6-Dinitrotoluene	<170		170	67	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
2-Chloronaphthalene	<170		170	38	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
2-Chlorophenol	<170		170	58	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
2-Methylnaphthalene	<34		34	6.3	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
2-Methylphenol	<170		170	55	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
2-Nitroaniline	<170		170	46	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
2-Nitrophenol	<340		340	81	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
3 & 4 Methylphenol	<170		170	57	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
3,3'-Dichlorobenzidine	<170		170	48	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
3-Nitroaniline	<340		340	110	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
4,6-Dinitro-2-methylphenol	<340		340	280	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
4-Bromophenyl phenyl ether	<170		170	45	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
4-Chloro-3-methylphenol	<340		340	120	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
4-Chloroaniline	<690		690	160	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
4-Chlorophenyl phenyl ether	<170		170	40	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
4-Nitroaniline	<340		340	140	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
4-Nitrophenol	<690		690	330	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Acenaphthene	<34		34	6.2	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Acenaphthylene	<34		34	4.5	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Anthracene	<34		34	5.7	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Benzo[a]anthracene	**20**	**J**	34	4.6	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Benzo[a]pyrene	**16**	**J**	34	6.6	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Benzo[b]fluoranthene	**20**	**J**	34	7.4	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Benzo[g,h,i]perylene	**13**	**J**	34	11	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Benzo[k]fluoranthene	**11**	**J**	34	10	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Bis(2-chloroethoxy)methane	<170		170	35	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Bis(2-chloroethyl)ether	<170		170	51	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Bis(2-ethylhexyl) phthalate	<170		170	63	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Butyl benzyl phthalate	<170		170	65	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Carbazole	<170		170	88	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Chrysene	**15**	**J**	34	9.3	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Dibenz(a,h)anthracene	<34		34	6.6	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Dibenzofuran	<170		170	40	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Diethyl phthalate	<170		170	58	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Dimethyl phthalate	<170		170	45	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Di-n-butyl phthalate	<170		170	52	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Di-n-octyl phthalate	<170		170	56	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Fluoranthene	**53**		34	6.3	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Fluorene	<34		34	4.8	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Hexachlorobenzene	<69		69	7.9	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Hexachlorobutadiene	<170		170	54	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Hexachlorocyclopentadiene	<690	*	690	200	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Hexachloroethane	<170		170	52	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-10(16-23)-082614D
Date Collected: 08/26/14 15:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-10
Matrix: Solid
Percent Solids: 91.7

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	<34		34	8.9	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Isophorone	<170		170	38	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Naphthalene	<34		34	5.3	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Nitrobenzene	<34		34	8.5	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
N-Nitrosodi-n-propylamine	<170		170	42	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
N-Nitrosodiphenylamine	<170		170	40	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Pentachlorophenol	<690		690	550	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Phenanthrene	**24**	**J**	34	4.8	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Phenol	<170		170	76	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1
Pyrene	**14**	**J**	34	6.8	ug/Kg	☼	09/04/14 16:15	09/08/14 22:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*88*		*35 - 137*	*09/04/14 16:15*	*09/08/14 22:13*	*1*
2-Fluorobiphenyl	*74*		*25 - 119*	*09/04/14 16:15*	*09/08/14 22:13*	*1*
2-Fluorophenol	*83*		*25 - 110*	*09/04/14 16:15*	*09/08/14 22:13*	*1*
Nitrobenzene-d5	*73*		*25 - 115*	*09/04/14 16:15*	*09/08/14 22:13*	*1*
Phenol-d5	*100*		*31 - 110*	*09/04/14 16:15*	*09/08/14 22:13*	*1*
Terphenyl-d14	*91*		*36 - 134*	*09/04/14 16:15*	*09/08/14 22:13*	*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		09/06/14 09:10	09/08/14 21:09	1
Barium	**0.28**	**J**	0.50	0.050	mg/L		09/06/14 09:10	09/08/14 21:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 09:10	09/08/14 21:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 09:10	09/08/14 21:09	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:09	1
Cobalt	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:09	1
Copper	**0.043**		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:09	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 09:10	09/08/14 21:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 09:10	09/08/14 21:09	1
Manganese	**1.4**		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:09	1
Nickel	**0.013**	**J**	0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:09	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 09:10	09/08/14 21:09	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:09	1
Zinc	**0.19**		0.10	0.020	mg/L		09/06/14 09:10	09/08/14 21:09	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 17:46	1
Barium	**0.15**	**J**	0.50	0.050	mg/L		09/04/14 08:55	09/04/14 17:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:55	09/04/14 17:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:55	09/04/14 17:46	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:46	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:46	1
Copper	**0.072**		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:46	1
Iron	<0.20		0.20	0.20	mg/L		09/04/14 08:55	09/04/14 17:46	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:55	09/04/14 17:46	1
Manganese	<0.025		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:46	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:46	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:55	09/04/14 17:46	1

Client Sample ID: 55-10(16-23)-082614D
Date Collected: 08/26/14 15:15
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-10
Matrix: Solid

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 17:46	1
Zinc	**0.14**	**B**	0.10	0.020	mg/L		09/04/14 08:55	09/04/14 17:46	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.42	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Arsenic	**4.0**		0.53	0.10	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Barium	**8.7**		0.53	0.056	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Beryllium	**0.17**	**J**	0.21	0.042	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Cadmium	**0.18**		0.11	0.013	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Calcium	**140000**	**B**	110	29	mg/Kg	☼	09/04/14 09:55	09/05/14 15:10	10
Chromium	**4.2**		0.53	0.061	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Cobalt	**1.9**		0.26	0.053	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Copper	**6.9**		0.53	0.11	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Iron	**6700**		11	4.3	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Lead	**3.6**		0.26	0.079	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Magnesium	**79000**	**B**	53	11	mg/Kg	☼	09/04/14 09:55	09/05/14 15:10	10
Manganese	**330**		0.53	0.11	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Nickel	**5.3**		0.53	0.11	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Potassium	**1300**		26	1.6	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Selenium	<0.53		0.53	0.19	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Silver	<0.26		0.26	0.019	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Sodium	**720**		53	7.1	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Thallium	<0.53		0.53	0.22	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Vanadium	**7.2**		0.26	0.039	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	1
Zinc	**14**		1.1	0.21	mg/Kg	☼	09/04/14 09:55	09/05/14 07:47	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		09/08/14 12:00	09/09/14 12:02	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 11:09	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	<18		18	7.0	ug/Kg	☼	09/05/14 15:30	09/08/14 10:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.96**		0.200	0.200	SU			09/03/14 14:06	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-3(16-18)-082614
Date Collected: 08/26/14 10:25
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-13
Matrix: Solid
Percent Solids: 94.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.3		5.3	2.3	ug/Kg	☼		08/29/14 19:15	1
Benzene	<5.3		5.3	0.72	ug/Kg	☼		08/29/14 19:15	1
Bromodichloromethane	<5.3		5.3	0.91	ug/Kg	☼		08/29/14 19:15	1
Bromoform	<5.3		5.3	1.2	ug/Kg	☼		08/29/14 19:15	1
Bromomethane	<5.3		5.3	1.6	ug/Kg	☼		08/29/14 19:15	1
Carbon disulfide	<5.3		5.3	0.79	ug/Kg	☼		08/29/14 19:15	1
Carbon tetrachloride	<5.3		5.3	0.96	ug/Kg	☼		08/29/14 19:15	1
Chlorobenzene	<5.3		5.3	0.53	ug/Kg	☼		08/29/14 19:15	1
Chloroethane	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 19:15	1
Chloroform	<5.3		5.3	0.61	ug/Kg	☼		08/29/14 19:15	1
Chloromethane	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 19:15	1
cis-1,2-Dichloroethene	<5.3		5.3	0.75	ug/Kg	☼		08/29/14 19:15	1
cis-1,3-Dichloropropene	<5.3		5.3	0.69	ug/Kg	☼		08/29/14 19:15	1
Dibromochloromethane	<5.3		5.3	0.92	ug/Kg	☼		08/29/14 19:15	1
1,1-Dichloroethane	<5.3		5.3	0.83	ug/Kg	☼		08/29/14 19:15	1
1,2-Dichloroethane	<5.3		5.3	0.78	ug/Kg	☼		08/29/14 19:15	1
1,1-Dichloroethene	<5.3		5.3	0.85	ug/Kg	☼		08/29/14 19:15	1
1,2-Dichloropropane	<5.3		5.3	0.80	ug/Kg	☼		08/29/14 19:15	1
1,3-Dichloropropene, Total	<5.3		5.3	0.69	ug/Kg	☼		08/29/14 19:15	1
Ethylbenzene	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 19:15	1
2-Hexanone	<5.3		5.3	1.5	ug/Kg	☼		08/29/14 19:15	1
Methylene Chloride	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 19:15	1
Methyl Ethyl Ketone	<5.3		5.3	1.9	ug/Kg	☼		08/29/14 19:15	1
methyl isobutyl ketone	<5.3		5.3	1.4	ug/Kg	☼		08/29/14 19:15	1
Methyl tert-butyl ether	<5.3		5.3	0.87	ug/Kg	☼		08/29/14 19:15	1
Styrene	<5.3		5.3	0.69	ug/Kg	☼		08/29/14 19:15	1
1,1,2,2-Tetrachloroethane	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 19:15	1
Tetrachloroethene	<5.3		5.3	0.81	ug/Kg	☼		08/29/14 19:15	1
Toluene	<5.3		5.3	0.74	ug/Kg	☼		08/29/14 19:15	1
trans-1,2-Dichloroethene	<5.3		5.3	0.73	ug/Kg	☼		08/29/14 19:15	1
trans-1,3-Dichloropropene	<5.3		5.3	0.94	ug/Kg	☼		08/29/14 19:15	1
1,1,1-Trichloroethane	<5.3		5.3	0.79	ug/Kg	☼		08/29/14 19:15	1
1,1,2-Trichloroethane	<5.3		5.3	0.72	ug/Kg	☼		08/29/14 19:15	1
Trichloroethene	<5.3		5.3	0.87	ug/Kg	☼		08/29/14 19:15	1
Vinyl chloride	<5.3		5.3	1.1	ug/Kg	☼		08/29/14 19:15	1
Xylenes, Total	<11		11	0.48	ug/Kg	☼		08/29/14 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 122*		*08/29/14 19:15*	*1*
Dibromofluoromethane	*108*		*75 - 120*		*08/29/14 19:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*		*08/29/14 19:15*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*08/29/14 19:15*	*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	36	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
1,2-Dichlorobenzene	<170		170	40	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
1,3-Dichlorobenzene	<170		170	38	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
1,4-Dichlorobenzene	<170		170	43	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
2,2'-oxybis[1-chloropropane]	<170		170	39	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-3(16-18)-082614
Date Collected: 08/26/14 10:25
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-13
Matrix: Solid
Percent Solids: 94.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<340		340	77	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
2,4,6-Trichlorophenol	<340		340	120	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
2,4-Dichlorophenol	<340		340	80	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
2,4-Dimethylphenol	<340		340	130	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
2,4-Dinitrophenol	<680		680	600	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
2,4-Dinitrotoluene	<170		170	54	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
2,6-Dinitrotoluene	<170		170	67	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
2-Chloronaphthalene	<170		170	37	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
2-Chlorophenol	<170		170	58	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
2-Methylnaphthalene	<34		34	6.2	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
2-Methylphenol	<170		170	54	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
2-Nitroaniline	<170		170	46	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
2-Nitrophenol	<340		340	80	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
3 & 4 Methylphenol	<170		170	56	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
3,3'-Dichlorobenzidine	<170		170	47	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
3-Nitroaniline	<340		340	100	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
4,6-Dinitro-2-methylphenol	<340		340	270	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
4-Bromophenyl phenyl ether	<170		170	45	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
4-Chloro-3-methylphenol	<340		340	120	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
4-Chloroaniline	<680		680	160	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
4-Chlorophenyl phenyl ether	<170		170	40	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
4-Nitroaniline	<340		340	140	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
4-Nitrophenol	<680		680	320	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Acenaphthene	<34		34	6.1	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Acenaphthylene	<34		34	4.5	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Anthracene	<34		34	5.7	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Benzo[a]anthracene	<34		34	4.6	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Benzo[a]pyrene	<34		34	6.5	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Benzo[b]fluoranthene	<34		34	7.3	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Benzo[g,h,i]perylene	<34		34	11	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Benzo[k]fluoranthene	<34		34	10	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Bis(2-chloroethoxy)methane	<170		170	35	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Bis(2-chloroethyl)ether	<170		170	51	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Bis(2-ethylhexyl) phthalate	<170		170	62	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Butyl benzyl phthalate	<170		170	64	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Carbazole	<170		170	87	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Chrysene	<34		34	9.2	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Dibenz(a,h)anthracene	<34		34	6.5	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Dibenzofuran	<170		170	40	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Diethyl phthalate	<170		170	57	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Dimethyl phthalate	<170		170	44	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Di-n-butyl phthalate	<170		170	52	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Di-n-octyl phthalate	<170		170	55	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Fluoranthene	<34		34	6.3	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Fluorene	<34		34	4.8	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Hexachlorobenzene	<68		68	7.8	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Hexachlorobutadiene	<170		170	53	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Hexachlorocyclopentadiene	<680	*	680	190	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Hexachloroethane	<170		170	51	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Channahon - WO 085

TestAmerica Job ID: 500-83014-1

Client Sample ID: 55-3(16-18)-082614
Date Collected: 08/26/14 10:25
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-13
Matrix: Solid
Percent Solids: 94.9

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	<34		34	8.8	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Isophorone	<170		170	38	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Naphthalene	<34		34	5.2	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Nitrobenzene	<34		34	8.4	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
N-Nitrosodi-n-propylamine	<170		170	41	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
N-Nitrosodiphenylamine	<170		170	40	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Pentachlorophenol	<680		680	540	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Phenanthrene	<34		34	4.7	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Phenol	<170		170	75	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1
Pyrene	<34		34	6.7	ug/Kg	☼	09/04/14 16:15	09/08/14 22:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*51*		*35 - 137*	*09/04/14 16:15*	*09/08/14 22:36*	*1*
2-Fluorobiphenyl	*42*		*25 - 119*	*09/04/14 16:15*	*09/08/14 22:36*	*1*
2-Fluorophenol	*50*		*25 - 110*	*09/04/14 16:15*	*09/08/14 22:36*	*1*
Nitrobenzene-d5	*45*		*25 - 115*	*09/04/14 16:15*	*09/08/14 22:36*	*1*
Phenol-d5	*58*		*31 - 110*	*09/04/14 16:15*	*09/08/14 22:36*	*1*
Terphenyl-d14	*51*		*36 - 134*	*09/04/14 16:15*	*09/08/14 22:36*	*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		09/06/14 09:10	09/08/14 21:28	1
Barium	**0.32**	**J**	0.50	0.050	mg/L		09/06/14 09:10	09/08/14 21:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/06/14 09:10	09/08/14 21:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/06/14 09:10	09/08/14 21:28	1
Chromium	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:28	1
Cobalt	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:28	1
Copper	**0.032**		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:28	1
Iron	<0.20		0.20	0.20	mg/L		09/06/14 09:10	09/08/14 21:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/06/14 09:10	09/08/14 21:28	1
Manganese	**1.8**		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:28	1
Nickel	**0.019**	**J**	0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:28	1
Selenium	<0.050		0.050	0.010	mg/L		09/06/14 09:10	09/08/14 21:28	1
Silver	<0.025		0.025	0.010	mg/L		09/06/14 09:10	09/08/14 21:28	1
Zinc	**0.21**		0.10	0.020	mg/L		09/06/14 09:10	09/08/14 21:28	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 17:58	1
Barium	**0.098**	**J**	0.50	0.050	mg/L		09/04/14 08:55	09/04/14 17:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/04/14 08:55	09/04/14 17:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/04/14 08:55	09/04/14 17:58	1
Chromium	<0.025		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:58	1
Cobalt	<0.025		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:58	1
Copper	**0.010**	**J**	0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:58	1
Iron	**6.6**		0.20	0.20	mg/L		09/04/14 08:55	09/04/14 17:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/04/14 08:55	09/04/14 17:58	1
Manganese	**0.22**		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:58	1
Nickel	<0.025		0.025	0.010	mg/L		09/04/14 08:55	09/04/14 17:58	1
Selenium	<0.050		0.050	0.010	mg/L		09/04/14 08:55	09/04/14 17:58	1

Client Sample ID: 55-3(16-18)-082614
Date Collected: 08/26/14 10:25
Date Received: 08/26/14 16:00

Lab Sample ID: 500-83014-13
Matrix: Solid

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 17:58	1
Zinc	**0.035**	**J B**	0.10	0.020	mg/L		09/04/14 08:55	09/04/14 17:58	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<5.3		5.3	2.1	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Arsenic	**3.8**		2.6	0.52	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Barium	**7.7**		2.6	0.28	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Beryllium	<1.1	^	1.1	0.21	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Cadmium	<0.53		0.53	0.067	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Calcium	**160000**	**B**	53	14	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Chromium	**4.4**		2.6	0.31	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Cobalt	**2.6**		1.3	0.26	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Copper	**7.0**		2.6	0.53	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Iron	**7900**		53	22	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Lead	**3.6**	**^**	1.3	0.39	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Magnesium	**96000**	**B**	26	5.4	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Manganese	**340**		2.6	0.53	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Nickel	**5.7**		2.6	0.53	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Potassium	**550**		130	7.9	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Selenium	<2.6		2.6	0.93	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Silver	<1.3		1.3	0.095	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Sodium	**270**		260	35	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Thallium	<2.6		2.6	1.1	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Vanadium	**6.4**		1.3	0.19	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5
Zinc	**21**	**^**	5.3	1.1	mg/Kg	☼	09/04/14 09:55	09/05/14 15:22	5

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		09/08/14 12:00	09/09/14 12:08	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 11:23	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	<18		18	6.9	ug/Kg	☼	09/05/14 15:30	09/08/14 10:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.77**		0.200	0.200	SU			09/03/14 14:34	1

Qualifiers

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
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.
F3	Duplicate RPD exceeds the control limit
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.
¤	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: 500-83014-1

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
8260B	5030B	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONM

2417 Bond Street, University Pa
Phone: 708.534.5200 Fax:

500-83014 COC

(optional)

Report To
Contact: S. Balasubramanian
Company: Weston
Address: 300 Plaza Circle, Ste 202
Address: Naperville, IL 60060
Phone: 224-364-7250
Fax:
E-Mail:

(optional)

Bill To
Contact:
Company:
Address:
Address: Same
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-83014

Chain of Custody Number:

Page 3 of 4

Temperature °C of Cooler: (3.2) (2.6)

Client	Client Project #	Preservative
Weston		
Project Name: IDOT-085		Parameter
Project Location/State: Channahon/IL	Lab Project #	
Sampler: T. Walls	Lab PM: D. Wright	

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total metals	TCLP/SPLP metals	pH					Comments
1		BP-2(7-15)-082614	8-26-14	1330	2	S	X	X	X	X	X					
2		BP-3(0-4)-082614		1350												
3		BP-4(0-4)-082614		1400												
4		SS-8(0-4)-082614		1410												
5		SS-9(0-5)-082614		1420												
6		SS-9(5-10)-082614		1425												
7		SS-10(0-8)-082614		1455												
8		SS-10(8-16)-082614		1505												
9		SS-10(16-23)-082614		1515												
10		SS-10(16-23)-082614D	8-26-14	1515	2	S	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	Company	Date	Time	Received By	Company	Date	Time
Timothy A. Walls	Weston	8-26-14	1600		TA	8/26/14	1600
		8-26-14	1650		TA	8/27/14	0630

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

(optional)

Report To
Contact: S. Babusakumar
Company: Weston
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax:
E-Mail:

(optional)

Bill To
Contact:
Company:
Address:
Address:
Phone: Same
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-83014

Chain of Custody Number:

Page 4 of 4

Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT-085
Project Location/State: Channahon / IL
Lab Project #:
Sampler: T. Walls
Lab PM: D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total metals	TCLP/SPLP metals	pH	Comments
11		55-11 (0-5)-082614	8-26-14	1540	2	S		X	X	X	X	X	
12		55-11 (5-10)-082614	8-26-14	1545	2	S		X	X	X	X	X	
13		55-3 (16-18)-082614	8-26-14	1025	2	S		x	x	x	x	x	added by TA

T. Walls 8-26-14

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 [X] Disposal by Lab [ ] Archive for ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
T. Walls	Weston	8-26-14	1600			8-26-14	1600
		8-26-14	1650	JLT	TA	8/27/14	0630

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:

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-17 (0-7)-101215 **Lab ID: 40122748014** Collected: 10/12/15 10:25 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 Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	**0.84J**	mg/kg	1.7	0.54	2	10/19/15 11:30	10/20/15 12:35	7440-36-0	
Arsenic	**2.8**	mg/kg	0.87	0.34	1	10/19/15 11:30	10/20/15 09:28	7440-38-2	
Barium	**20.9**	mg/kg	0.87	0.049	1	10/19/15 11:30	10/20/15 09:28	7440-39-3	
Beryllium	**0.12**	mg/kg	0.087	0.010	1	10/19/15 11:30	10/20/15 09:28	7440-41-7	
Cadmium	**0.21J**	mg/kg	0.44	0.020	1	10/19/15 11:30	10/20/15 09:28	7440-43-9	
Calcium	**149000**	mg/kg	17.4	1.9	2	10/19/15 11:30	10/20/15 12:35	7440-70-2	
Chromium	**5.7**	mg/kg	0.44	0.054	1	10/19/15 11:30	10/20/15 09:28	7440-47-3	
Cobalt	**2.0**	mg/kg	0.44	0.040	1	10/19/15 11:30	10/20/15 09:28	7440-48-4	
Copper	**6.5**	mg/kg	0.87	0.19	1	10/19/15 11:30	10/20/15 09:28	7440-50-8	
Iron	**6620**	mg/kg	4.4	0.39	1	10/19/15 11:30	10/20/15 09:28	7439-89-6	
Lead	**3.9**	mg/kg	0.87	0.18	1	10/19/15 11:30	10/20/15 09:28	7439-92-1	
Magnesium	**71400**	mg/kg	4.4	0.76	1	10/19/15 11:30	10/20/15 09:28	7439-95-4	
Manganese	**441**	mg/kg	0.44	0.059	1	10/19/15 11:30	10/20/15 09:28	7439-96-5	
Nickel	**5.2**	mg/kg	0.44	0.074	1	10/19/15 11:30	10/20/15 09:28	7440-02-0	
Potassium	**944**	mg/kg	218	21.8	5	10/19/15 11:30	10/20/15 14:23	7440-09-7	
Selenium	**1.5J**	mg/kg	2.6	0.79	2	10/19/15 11:30	10/20/15 12:35	7782-49-2	
Silver	**<0.090**	mg/kg	0.61	0.090	1	10/19/15 11:30	10/20/15 09:28	7440-22-4	
Sodium	**925**	mg/kg	43.6	1.4	1	10/19/15 11:30	10/20/15 09:28	7440-23-5	
Thallium	**<0.27**	mg/kg	1.7	0.27	1	10/19/15 11:30	10/20/15 09:28	7440-28-0	
Vanadium	**10.0**	mg/kg	0.87	0.093	1	10/19/15 11:30	10/20/15 09:28	7440-62-2	
Zinc	**18.3**	mg/kg	8.7	0.49	1	10/19/15 11:30	10/20/15 09:28	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	**<0.0045**	mg/L	0.010	0.0045	1	10/23/15 15:50	10/26/15 13:16	7440-38-2	
Barium	**0.0061J**	mg/L	0.10	0.00052	1	10/23/15 15:50	10/26/15 13:16	7440-39-3	B
Beryllium	**<0.00017**	mg/L	0.0010	0.00017	1	10/23/15 15:50	10/26/15 13:16	7440-41-7	
Cadmium	**<0.00056**	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 13:16	7440-43-9	
Chromium	**0.0036J**	mg/L	0.0050	0.00096	1	10/23/15 15:50	10/26/15 13:16	7440-47-3	B
Cobalt	**<0.00080**	mg/L	0.0050	0.00080	1	10/23/15 15:50	10/26/15 13:16	7440-48-4	
Copper	**0.0096J**	mg/L	0.010	0.00083	1	10/23/15 15:50	10/26/15 13:16	7440-50-8	B
Iron	**0.34**	mg/L	0.050	0.0090	1	10/23/15 15:50	10/26/15 13:16	7439-89-6	B
Lead	**<0.0019**	mg/L	0.0050	0.0019	1	10/23/15 15:50	10/26/15 13:16	7439-92-1	
Manganese	**0.0049J**	mg/L	0.0050	0.0024	1	10/23/15 15:50	10/26/15 13:16	7439-96-5	B
Nickel	**0.0021J**	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 13:16	7440-02-0	B
Selenium	**<0.0058**	mg/L	0.015	0.0058	1	10/23/15 15:50	10/26/15 13:16	7782-49-2	
Silver	**<0.0011**	mg/L	0.0070	0.0011	1	10/23/15 15:50	10/26/15 13:16	7440-22-4	
Zinc	**0.012J**	mg/L	0.050	0.0026	1	10/23/15 15:50	10/26/15 13:16	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	**0.011J**	mg/L	0.050	0.0045	1	10/23/15 15:50	10/26/15 12:09	7440-38-2	B
Barium	**0.40**	mg/L	0.25	0.00052	1	10/23/15 15:50	10/26/15 12:09	7440-39-3	
Beryllium	**<0.00017**	mg/L	0.0050	0.00017	1	10/23/15 15:50	10/26/15 12:09	7440-41-7	
Cadmium	**0.0027J**	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 12:09	7440-43-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-17 (0-7)-101215 **Lab ID: 40122748014** Collected: 10/12/15 10:25 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; 10/22/15 00:00								
Chromium	**0.0075J**	mg/L	0.010	0.00096	1	10/23/15 15:50	10/26/15 12:09	7440-47-3	B
Cobalt	**0.015**	mg/L	0.010	0.00080	1	10/23/15 15:50	10/26/15 12:09	7440-48-4	
Copper	**0.013J**	mg/L	0.020	0.00083	1	10/23/15 15:50	10/26/15 12:09	7440-50-8	B
Iron	**0.067J**	mg/L	0.10	0.0090	1	10/23/15 15:50	10/26/15 12:09	7439-89-6	B
Lead	**<0.0019**	mg/L	0.050	0.0019	1	10/23/15 15:50	10/26/15 12:09	7439-92-1	
Manganese	**6.7**	mg/L	0.010	0.0024	1	10/23/15 15:50	10/26/15 12:09	7439-96-5	
Nickel	**0.043**	mg/L	0.010	0.00056	1	10/23/15 15:50	10/26/15 12:09	7440-02-0	
Selenium	**0.016J**	mg/L	0.10	0.012	2	10/23/15 15:50	10/26/15 12:34	7782-49-2	B
Silver	**<0.0011**	mg/L	0.010	0.0011	1	10/23/15 15:50	10/26/15 12:09	7440-22-4	
Zinc	**0.13J**	mg/L	0.25	0.0026	1	10/23/15 15:50	10/26/15 12:09	7440-66-6	B
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 14:01	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 13:08	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0025J**	mg/kg	0.047	0.0024	1	10/19/15 10:00	10/19/15 14:49	7439-97-6	
8270 MSSV FULL LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<60.9**	ug/kg	203	60.9	1	10/14/15 09:32	10/15/15 15:36	83-32-9	
Acenaphthylene	**<61.2**	ug/kg	204	61.2	1	10/14/15 09:32	10/15/15 15:36	208-96-8	
Anthracene	**<27.4**	ug/kg	91.4	27.4	1	10/14/15 09:32	10/15/15 15:36	120-12-7	
Benzo(a)anthracene	**<26.6**	ug/kg	88.6	26.6	1	10/14/15 09:32	10/15/15 15:36	56-55-3	
Benzo(a)pyrene	**<25.8**	ug/kg	86.1	25.8	1	10/14/15 09:32	10/15/15 15:36	50-32-8	
Benzo(b)fluoranthene	**<29.5**	ug/kg	98.3	29.5	1	10/14/15 09:32	10/15/15 15:36	205-99-2	
Benzo(g,h,i)perylene	**<44.9**	ug/kg	150	44.9	1	10/14/15 09:32	10/15/15 15:36	191-24-2	
Benzo(k)fluoranthene	**<41.1**	ug/kg	137	41.1	1	10/14/15 09:32	10/15/15 15:36	207-08-9	
4-Bromophenylphenyl ether	**<35.9**	ug/kg	120	35.9	1	10/14/15 09:32	10/15/15 15:36	101-55-3	
Butylbenzylphthalate	**<27.5**	ug/kg	91.7	27.5	1	10/14/15 09:32	10/15/15 15:36	85-68-7	
Carbazole	**<26.9**	ug/kg	89.6	26.9	1	10/14/15 09:32	10/15/15 15:36	86-74-8	
4-Chloro-3-methylphenol	**<53.4**	ug/kg	178	53.4	1	10/14/15 09:32	10/15/15 15:36	59-50-7	
4-Chloroaniline	**<28.2**	ug/kg	94.0	28.2	1	10/14/15 09:32	10/15/15 15:36	106-47-8	
bis(2-Chloroethoxy)methane	**<46.2**	ug/kg	154	46.2	1	10/14/15 09:32	10/15/15 15:36	111-91-1	
bis(2-Chloroethyl) ether	**<53.6**	ug/kg	179	53.6	1	10/14/15 09:32	10/15/15 15:36	111-44-4	
2-Chloronaphthalene	**<22.0**	ug/kg	73.5	22.0	1	10/14/15 09:32	10/15/15 15:36	91-58-7	
2-Chlorophenol	**<42.8**	ug/kg	143	42.8	1	10/14/15 09:32	10/15/15 15:36	95-57-8	
4-Chlorophenylphenyl ether	**<32.0**	ug/kg	107	32.0	1	10/14/15 09:32	10/15/15 15:36	7005-72-3	
Chrysene	**<25.7**	ug/kg	85.5	25.7	1	10/14/15 09:32	10/15/15 15:36	218-01-9	L2
Dibenz(a,h)anthracene	**<46.6**	ug/kg	155	46.6	1	10/14/15 09:32	10/15/15 15:36	53-70-3	
Dibenzofuran	**<20.8**	ug/kg	69.3	20.8	1	10/14/15 09:32	10/15/15 15:36	132-64-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-17 (0-7)-101215 **Lab ID: 40122748014** Collected: 10/12/15 10:25 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								
1,2-Dichlorobenzene	**<54.0**	ug/kg	180	54.0	1	10/14/15 09:32	10/15/15 15:36	95-50-1	
1,3-Dichlorobenzene	**<23.8**	ug/kg	79.2	23.8	1	10/14/15 09:32	10/15/15 15:36	541-73-1	
1,4-Dichlorobenzene	**<23.9**	ug/kg	79.7	23.9	1	10/14/15 09:32	10/15/15 15:36	106-46-7	
3,3'-Dichlorobenzidine	**<46.6**	ug/kg	155	46.6	1	10/14/15 09:32	10/15/15 15:36	91-94-1	
2,4-Dichlorophenol	**<45.9**	ug/kg	153	45.9	1	10/14/15 09:32	10/15/15 15:36	120-83-2	
Diethylphthalate	**<28.5**	ug/kg	94.9	28.5	1	10/14/15 09:32	10/15/15 15:36	84-66-2	
2,4-Dimethylphenol	**<33.9**	ug/kg	113	33.9	1	10/14/15 09:32	10/15/15 15:36	105-67-9	
Dimethylphthalate	**<22.3**	ug/kg	74.4	22.3	1	10/14/15 09:32	10/15/15 15:36	131-11-3	
Di-n-butylphthalate	**<25.7**	ug/kg	85.5	25.7	1	10/14/15 09:32	10/15/15 15:36	84-74-2	
4,6-Dinitro-2-methylphenol	**<52.9**	ug/kg	176	52.9	1	10/14/15 09:32	10/15/15 15:36	534-52-1	
2,4-Dinitrophenol	**<52.3**	ug/kg	174	52.3	1	10/14/15 09:32	10/15/15 15:36	51-28-5	
2,4-Dinitrotoluene	**<24.5**	ug/kg	81.8	24.5	1	10/14/15 09:32	10/15/15 15:36	121-14-2	
2,6-Dinitrotoluene	**<32.6**	ug/kg	109	32.6	1	10/14/15 09:32	10/15/15 15:36	606-20-2	
Di-n-octylphthalate	**<38.6**	ug/kg	129	38.6	1	10/14/15 09:32	10/15/15 15:36	117-84-0	
bis(2-Ethylhexyl)phthalate	**<28.5**	ug/kg	95.1	28.5	1	10/14/15 09:32	10/15/15 15:36	117-81-7	
Fluoranthene	**<24.3**	ug/kg	81.0	24.3	1	10/14/15 09:32	10/15/15 15:36	206-44-0	
Fluorene	**<20.1**	ug/kg	66.9	20.1	1	10/14/15 09:32	10/15/15 15:36	86-73-7	
Hexachloro-1,3-butadiene	**<43.7**	ug/kg	146	43.7	1	10/14/15 09:32	10/15/15 15:36	87-68-3	
Hexachlorobenzene	**<28.9**	ug/kg	96.2	28.9	1	10/14/15 09:32	10/15/15 15:36	118-74-1	
Hexachlorocyclopentadiene	**<40.6**	ug/kg	135	40.6	1	10/14/15 09:32	10/15/15 15:36	77-47-4	
Hexachloroethane	**<27.5**	ug/kg	91.6	27.5	1	10/14/15 09:32	10/15/15 15:36	67-72-1	
Indeno(1,2,3-cd)pyrene	**<37.1**	ug/kg	124	37.1	1	10/14/15 09:32	10/15/15 15:36	193-39-5	
Isophorone	**<26.4**	ug/kg	88.0	26.4	1	10/14/15 09:32	10/15/15 15:36	78-59-1	
2-Methylnaphthalene	**<44.6**	ug/kg	149	44.6	1	10/14/15 09:32	10/15/15 15:36	91-57-6	
2-Methylphenol(o-Cresol)	**<31.2**	ug/kg	104	31.2	1	10/14/15 09:32	10/15/15 15:36	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<31.5**	ug/kg	105	31.5	1	10/14/15 09:32	10/15/15 15:36		
Naphthalene	**<60.0**	ug/kg	200	60.0	1	10/14/15 09:32	10/15/15 15:36	91-20-3	
2-Nitroaniline	**<48.9**	ug/kg	163	48.9	1	10/14/15 09:32	10/15/15 15:36	88-74-4	
3-Nitroaniline	**<29.2**	ug/kg	97.3	29.2	1	10/14/15 09:32	10/15/15 15:36	99-09-2	
4-Nitroaniline	**<71.2**	ug/kg	237	71.2	1	10/14/15 09:32	10/15/15 15:36	100-01-6	
Nitrobenzene	**<34.8**	ug/kg	116	34.8	1	10/14/15 09:32	10/15/15 15:36	98-95-3	
2-Nitrophenol	**<54.2**	ug/kg	181	54.2	1	10/14/15 09:32	10/15/15 15:36	88-75-5	
4-Nitrophenol	**<43.2**	ug/kg	144	43.2	1	10/14/15 09:32	10/15/15 15:36	100-02-7	
N-Nitroso-di-n-propylamine	**<27.2**	ug/kg	90.7	27.2	1	10/14/15 09:32	10/15/15 15:36	621-64-7	
N-Nitrosodiphenylamine	**<233**	ug/kg	776	233	1	10/14/15 09:32	10/15/15 15:36	86-30-6	
2,2'-Oxybis(1-chloropropane)	**<44.3**	ug/kg	148	44.3	1	10/14/15 09:32	10/15/15 15:36	108-60-1	
Pentachlorophenol	**<37.8**	ug/kg	126	37.8	1	10/14/15 09:32	10/15/15 15:36	87-86-5	
Phenanthrene	**<22.0**	ug/kg	73.4	22.0	1	10/14/15 09:32	10/15/15 15:36	85-01-8	
Phenol	**<40.7**	ug/kg	136	40.7	1	10/14/15 09:32	10/15/15 15:36	108-95-2	
Pyrene	**<38.0**	ug/kg	127	38.0	1	10/14/15 09:32	10/15/15 15:36	129-00-0	
1,2,4-Trichlorobenzene	**<19.4**	ug/kg	64.7	19.4	1	10/14/15 09:32	10/15/15 15:36	120-82-1	
2,4,5-Trichlorophenol	**<30.3**	ug/kg	101	30.3	1	10/14/15 09:32	10/15/15 15:36	95-95-4	
2,4,6-Trichlorophenol	**<26.2**	ug/kg	87.2	26.2	1	10/14/15 09:32	10/15/15 15:36	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	59	%	45-130		1	10/14/15 09:32	10/15/15 15:36	4165-60-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-17 (0-7)-101215 **Lab ID: 40122748014** Collected: 10/12/15 10:25 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									
2-Fluorobiphenyl (S)	64	%	51-130		1	10/14/15 09:32	10/15/15 15:36	321-60-8	
Terphenyl-d14 (S)	131	%	37-134		1	10/14/15 09:32	10/15/15 15:36	1718-51-0	
Phenol-d6 (S)	71	%	36-130		1	10/14/15 09:32	10/15/15 15:36	13127-88-3	
2-Fluorophenol (S)	60	%	37-130		1	10/14/15 09:32	10/15/15 15:36	367-12-4	
2,4,6-Tribromophenol (S)	60	%	30-130		1	10/14/15 09:32	10/15/15 15:36	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	10/15/15 12:00	10/15/15 08:49	67-64-1	2q
Benzene	**<1.3**	ug/kg	4.0	1.3	1	10/15/15 12:00	10/15/15 08:49	71-43-2	
Bromodichloromethane	**<0.87**	ug/kg	4.0	0.87	1	10/15/15 12:00	10/15/15 08:49	75-27-4	
Bromoform	**<0.67**	ug/kg	4.0	0.67	1	10/15/15 12:00	10/15/15 08:49	75-25-2	
Bromomethane	**<1.2**	ug/kg	7.9	1.2	1	10/15/15 12:00	10/15/15 08:49	74-83-9	
2-Butanone (MEK)	**<2.3**	ug/kg	15.9	2.3	1	10/15/15 12:00	10/15/15 08:49	78-93-3	
Carbon disulfide	**<1.0**	ug/kg	4.0	1.0	1	10/15/15 12:00	10/15/15 08:49	75-15-0	
Carbon tetrachloride	**<1.3**	ug/kg	4.0	1.3	1	10/15/15 12:00	10/15/15 08:49	56-23-5	
Chlorobenzene	**<1.3**	ug/kg	4.0	1.3	1	10/15/15 12:00	10/15/15 08:49	108-90-7	
Chloroethane	**<1.6**	ug/kg	4.0	1.6	1	10/15/15 12:00	10/15/15 08:49	75-00-3	
Chloroform	**<0.75**	ug/kg	4.0	0.75	1	10/15/15 12:00	10/15/15 08:49	67-66-3	
Chloromethane	**<0.45**	ug/kg	4.0	0.45	1	10/15/15 12:00	10/15/15 08:49	74-87-3	
Dibromochloromethane	**<1.4**	ug/kg	4.0	1.4	1	10/15/15 12:00	10/15/15 08:49	124-48-1	
1,1-Dichloroethane	**<1.9**	ug/kg	4.0	1.9	1	10/15/15 12:00	10/15/15 08:49	75-34-3	
1,2-Dichloroethane	**<0.78**	ug/kg	4.0	0.78	1	10/15/15 12:00	10/15/15 08:49	107-06-2	
1,1-Dichloroethene	**<1.8**	ug/kg	4.0	1.8	1	10/15/15 12:00	10/15/15 08:49	75-35-4	
cis-1,2-Dichloroethene	**<1.1**	ug/kg	4.0	1.1	1	10/15/15 12:00	10/15/15 08:49	156-59-2	
trans-1,2-Dichloroethene	**<0.98**	ug/kg	4.0	0.98	1	10/15/15 12:00	10/15/15 08:49	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/kg	4.0	1.0	1	10/15/15 12:00	10/15/15 08:49	78-87-5	
cis-1,3-Dichloropropene	**<0.53**	ug/kg	4.0	0.53	1	10/15/15 12:00	10/15/15 08:49	10061-01-5	
trans-1,3-Dichloropropene	**<0.73**	ug/kg	4.0	0.73	1	10/15/15 12:00	10/15/15 08:49	10061-02-6	
Ethylbenzene	**<1.1**	ug/kg	4.0	1.1	1	10/15/15 12:00	10/15/15 08:49	100-41-4	
2-Hexanone	**<1.2**	ug/kg	4.0	1.2	1	10/15/15 12:00	10/15/15 08:49	591-78-6	
Methylene Chloride	**<1.5**	ug/kg	4.0	1.5	1	10/15/15 12:00	10/15/15 08:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.97**	ug/kg	4.0	0.97	1	10/15/15 12:00	10/15/15 08:49	108-10-1	
Methyl-tert-butyl ether	**<0.80**	ug/kg	4.0	0.80	1	10/15/15 12:00	10/15/15 08:49	1634-04-4	
Styrene	**<0.60**	ug/kg	4.0	0.60	1	10/15/15 12:00	10/15/15 08:49	100-42-5	
1,1,2,2-Tetrachloroethane	**<1.6**	ug/kg	4.0	1.6	1	10/15/15 12:00	10/15/15 08:49	79-34-5	
Tetrachloroethene	**<1.2**	ug/kg	4.0	1.2	1	10/15/15 12:00	10/15/15 08:49	127-18-4	
Toluene	**<1.2**	ug/kg	4.0	1.2	1	10/15/15 12:00	10/15/15 08:49	108-88-3	
1,1,1-Trichloroethane	**<1.2**	ug/kg	4.0	1.2	1	10/15/15 12:00	10/15/15 08:49	71-55-6	
1,1,2-Trichloroethane	**<1.5**	ug/kg	4.0	1.5	1	10/15/15 12:00	10/15/15 08:49	79-00-5	
Trichloroethene	**<1.5**	ug/kg	4.0	1.5	1	10/15/15 12:00	10/15/15 08:49	79-01-6	
Vinyl chloride	**<0.43**	ug/kg	4.0	0.43	1	10/15/15 12:00	10/15/15 08:49	75-01-4	
Xylene (Total)	**<3.6**	ug/kg	11.9	3.6	1	10/15/15 12:00	10/15/15 08:49	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	100	%	70-130		1	10/15/15 12:00	10/15/15 08:49	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-17 (0-7)-101215 **Lab ID: 40122748014** Collected: 10/12/15 10:25 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
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 08:49	2037-26-5	
4-Bromofluorobenzene (S)	93	%	68-130		1	10/15/15 12:00	10/15/15 08:49	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**2.8**	%	0.10	0.10	1		10/13/15 16:21		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.76**	Std. Units	0.100	0.0100	1		10/14/15 20:00		H6

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-17 (0-7)-101215D **Lab ID: 40122748015** Collected: 10/12/15 10:25 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 Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	**0.93J**	mg/kg	1.8	0.56	2	10/19/15 11:30	10/20/15 12:39	7440-36-0	
Arsenic	**2.5**	mg/kg	0.91	0.36	1	10/19/15 11:30	10/20/15 09:32	7440-38-2	
Barium	**14.0**	mg/kg	0.91	0.051	1	10/19/15 11:30	10/20/15 09:32	7440-39-3	
Beryllium	**0.096**	mg/kg	0.091	0.010	1	10/19/15 11:30	10/20/15 09:32	7440-41-7	
Cadmium	**0.19J**	mg/kg	0.45	0.021	1	10/19/15 11:30	10/20/15 09:32	7440-43-9	
Calcium	**162000**	mg/kg	18.2	2.0	2	10/19/15 11:30	10/20/15 12:39	7440-70-2	
Chromium	**5.4**	mg/kg	0.45	0.057	1	10/19/15 11:30	10/20/15 09:32	7440-47-3	
Cobalt	**1.4**	mg/kg	0.45	0.041	1	10/19/15 11:30	10/20/15 09:32	7440-48-4	
Copper	**4.8**	mg/kg	0.91	0.20	1	10/19/15 11:30	10/20/15 09:32	7440-50-8	
Iron	**5260**	mg/kg	4.5	0.40	1	10/19/15 11:30	10/20/15 09:32	7439-89-6	
Lead	**2.9**	mg/kg	0.91	0.18	1	10/19/15 11:30	10/20/15 09:32	7439-92-1	
Magnesium	**82500**	mg/kg	4.5	0.80	1	10/19/15 11:30	10/20/15 09:32	7439-95-4	
Manganese	**366**	mg/kg	0.45	0.062	1	10/19/15 11:30	10/20/15 09:32	7439-96-5	
Nickel	**3.7**	mg/kg	0.45	0.077	1	10/19/15 11:30	10/20/15 09:32	7440-02-0	
Potassium	**930**	mg/kg	227	22.8	5	10/19/15 11:30	10/20/15 14:27	7440-09-7	
Selenium	**1.3J**	mg/kg	2.7	0.82	2	10/19/15 11:30	10/20/15 12:39	7782-49-2	
Silver	**<0.094**	mg/kg	0.64	0.094	1	10/19/15 11:30	10/20/15 09:32	7440-22-4	
Sodium	**794**	mg/kg	45.4	1.4	1	10/19/15 11:30	10/20/15 09:32	7440-23-5	
Thallium	**<0.28**	mg/kg	1.8	0.28	1	10/19/15 11:30	10/20/15 09:32	7440-28-0	
Vanadium	**6.9**	mg/kg	0.91	0.097	1	10/19/15 11:30	10/20/15 09:32	7440-62-2	
Zinc	**14.2**	mg/kg	9.1	0.51	1	10/19/15 11:30	10/20/15 09:32	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	**<0.0045**	mg/L	0.010	0.0045	1	10/23/15 15:50	10/26/15 13:20	7440-38-2	
Barium	**0.011J**	mg/L	0.10	0.00052	1	10/23/15 15:50	10/26/15 13:20	7440-39-3	B
Beryllium	**<0.00017**	mg/L	0.0010	0.00017	1	10/23/15 15:50	10/26/15 13:20	7440-41-7	
Cadmium	**<0.00056**	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 13:20	7440-43-9	
Chromium	**0.0040J**	mg/L	0.0050	0.00096	1	10/23/15 15:50	10/26/15 13:20	7440-47-3	B
Cobalt	**<0.00080**	mg/L	0.0050	0.00080	1	10/23/15 15:50	10/26/15 13:20	7440-48-4	
Copper	**0.0042J**	mg/L	0.010	0.00083	1	10/23/15 15:50	10/26/15 13:20	7440-50-8	B
Iron	**0.84**	mg/L	0.050	0.0090	1	10/23/15 15:50	10/26/15 13:20	7439-89-6	B
Lead	**<0.0019**	mg/L	0.0050	0.0019	1	10/23/15 15:50	10/26/15 13:20	7439-92-1	
Manganese	**0.014**	mg/L	0.0050	0.0024	1	10/23/15 15:50	10/26/15 13:20	7439-96-5	B
Nickel	**0.0025J**	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 13:20	7440-02-0	B
Selenium	**<0.0058**	mg/L	0.015	0.0058	1	10/23/15 15:50	10/26/15 13:20	7782-49-2	
Silver	**<0.0011**	mg/L	0.0070	0.0011	1	10/23/15 15:50	10/26/15 13:20	7440-22-4	
Zinc	**0.014J**	mg/L	0.050	0.0026	1	10/23/15 15:50	10/26/15 13:20	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	**0.0069J**	mg/L	0.050	0.0045	1	10/23/15 15:50	10/26/15 11:29	7440-38-2	B
Barium	**0.31**	mg/L	0.25	0.00052	1	10/23/15 15:50	10/26/15 11:29	7440-39-3	
Beryllium	**<0.00017**	mg/L	0.0050	0.00017	1	10/23/15 15:50	10/26/15 11:29	7440-41-7	
Cadmium	**0.0013J**	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 11:29	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-17 (0-7)-101215D **Lab ID: 40122748015** Collected: 10/12/15 10:25 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; 10/22/15 00:00								
Chromium	**0.0034J**	mg/L	0.010	0.00096	1	10/23/15 15:50	10/26/15 11:29	7440-47-3	B
Cobalt	**<0.00080**	mg/L	0.010	0.00080	1	10/23/15 15:50	10/26/15 11:29	7440-48-4	
Copper	**0.0068J**	mg/L	0.020	0.00083	1	10/23/15 15:50	10/26/15 11:29	7440-50-8	B
Iron	**0.021J**	mg/L	0.10	0.0090	1	10/23/15 15:50	10/26/15 11:29	7439-89-6	B
Lead	**<0.0019**	mg/L	0.050	0.0019	1	10/23/15 15:50	10/26/15 11:29	7439-92-1	
Manganese	**1.9**	mg/L	0.010	0.0024	1	10/23/15 15:50	10/26/15 11:29	7439-96-5	
Nickel	**0.014**	mg/L	0.010	0.00056	1	10/23/15 15:50	10/26/15 11:29	7440-02-0	B
Selenium	**0.0069J**	mg/L	0.050	0.0058	1	10/23/15 15:50	10/26/15 11:29	7782-49-2	
Silver	**<0.0011**	mg/L	0.010	0.0011	1	10/23/15 15:50	10/26/15 11:29	7440-22-4	
Zinc	**0.038J**	mg/L	0.25	0.0026	1	10/23/15 15:50	10/26/15 11:29	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 14:04	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 13:10	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0065J**	mg/kg	0.047	0.0024	1	10/19/15 10:00	10/19/15 14:51	7439-97-6	
8270 MSSV FULL LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<61.3**	ug/kg	204	61.3	1	10/14/15 09:32	10/15/15 16:08	83-32-9	
Acenaphthylene	**<61.6**	ug/kg	205	61.6	1	10/14/15 09:32	10/15/15 16:08	208-96-8	
Anthracene	**<27.6**	ug/kg	92.0	27.6	1	10/14/15 09:32	10/15/15 16:08	120-12-7	
Benzo(a)anthracene	**<26.8**	ug/kg	89.2	26.8	1	10/14/15 09:32	10/15/15 16:08	56-55-3	
Benzo(a)pyrene	**<26.0**	ug/kg	86.6	26.0	1	10/14/15 09:32	10/15/15 16:08	50-32-8	
Benzo(b)fluoranthene	**<29.7**	ug/kg	98.9	29.7	1	10/14/15 09:32	10/15/15 16:08	205-99-2	
Benzo(g,h,i)perylene	**<45.2**	ug/kg	151	45.2	1	10/14/15 09:32	10/15/15 16:08	191-24-2	
Benzo(k)fluoranthene	**<41.4**	ug/kg	138	41.4	1	10/14/15 09:32	10/15/15 16:08	207-08-9	
4-Bromophenylphenyl ether	**<36.2**	ug/kg	121	36.2	1	10/14/15 09:32	10/15/15 16:08	101-55-3	
Butylbenzylphthalate	**<27.7**	ug/kg	92.3	27.7	1	10/14/15 09:32	10/15/15 16:08	85-68-7	
Carbazole	**<27.0**	ug/kg	90.2	27.0	1	10/14/15 09:32	10/15/15 16:08	86-74-8	
4-Chloro-3-methylphenol	**<53.8**	ug/kg	179	53.8	1	10/14/15 09:32	10/15/15 16:08	59-50-7	
4-Chloroaniline	**<28.4**	ug/kg	94.6	28.4	1	10/14/15 09:32	10/15/15 16:08	106-47-8	
bis(2-Chloroethoxy)methane	**<46.5**	ug/kg	155	46.5	1	10/14/15 09:32	10/15/15 16:08	111-91-1	
bis(2-Chloroethyl) ether	**<53.9**	ug/kg	180	53.9	1	10/14/15 09:32	10/15/15 16:08	111-44-4	
2-Chloronaphthalene	**<22.2**	ug/kg	73.9	22.2	1	10/14/15 09:32	10/15/15 16:08	91-58-7	
2-Chlorophenol	**<43.1**	ug/kg	144	43.1	1	10/14/15 09:32	10/15/15 16:08	95-57-8	
4-Chlorophenylphenyl ether	**<32.2**	ug/kg	107	32.2	1	10/14/15 09:32	10/15/15 16:08	7005-72-3	
Chrysene	**<25.8**	ug/kg	86.1	25.8	1	10/14/15 09:32	10/15/15 16:08	218-01-9	L2
Dibenz(a,h)anthracene	**<46.9**	ug/kg	156	46.9	1	10/14/15 09:32	10/15/15 16:08	53-70-3	
Dibenzofuran	**<20.9**	ug/kg	69.7	20.9	1	10/14/15 09:32	10/15/15 16:08	132-64-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-17 (0-7)-101215D **Lab ID: 40122748015** Collected: 10/12/15 10:25 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								
1,2-Dichlorobenzene	**<54.3**	ug/kg	181	54.3	1	10/14/15 09:32	10/15/15 16:08	95-50-1	
1,3-Dichlorobenzene	**<23.9**	ug/kg	79.7	23.9	1	10/14/15 09:32	10/15/15 16:08	541-73-1	
1,4-Dichlorobenzene	**<24.1**	ug/kg	80.2	24.1	1	10/14/15 09:32	10/15/15 16:08	106-46-7	
3,3'-Dichlorobenzidine	**<46.9**	ug/kg	156	46.9	1	10/14/15 09:32	10/15/15 16:08	91-94-1	
2,4-Dichlorophenol	**<46.2**	ug/kg	154	46.2	1	10/14/15 09:32	10/15/15 16:08	120-83-2	
Diethylphthalate	**<28.6**	ug/kg	95.5	28.6	1	10/14/15 09:32	10/15/15 16:08	84-66-2	
2,4-Dimethylphenol	**<34.2**	ug/kg	114	34.2	1	10/14/15 09:32	10/15/15 16:08	105-67-9	
Dimethylphthalate	**<22.5**	ug/kg	74.9	22.5	1	10/14/15 09:32	10/15/15 16:08	131-11-3	
Di-n-butylphthalate	**<25.8**	ug/kg	86.1	25.8	1	10/14/15 09:32	10/15/15 16:08	84-74-2	
4,6-Dinitro-2-methylphenol	**<53.2**	ug/kg	177	53.2	1	10/14/15 09:32	10/15/15 16:08	534-52-1	
2,4-Dinitrophenol	**<52.6**	ug/kg	175	52.6	1	10/14/15 09:32	10/15/15 16:08	51-28-5	
2,4-Dinitrotoluene	**<24.7**	ug/kg	82.4	24.7	1	10/14/15 09:32	10/15/15 16:08	121-14-2	
2,6-Dinitrotoluene	**<32.8**	ug/kg	109	32.8	1	10/14/15 09:32	10/15/15 16:08	606-20-2	
Di-n-octylphthalate	**<38.8**	ug/kg	129	38.8	1	10/14/15 09:32	10/15/15 16:08	117-84-0	
bis(2-Ethylhexyl)phthalate	**43.4J**	ug/kg	95.8	28.7	1	10/14/15 09:32	10/15/15 16:08	117-81-7	
Fluoranthene	**<24.4**	ug/kg	81.5	24.4	1	10/14/15 09:32	10/15/15 16:08	206-44-0	
Fluorene	**<20.2**	ug/kg	67.3	20.2	1	10/14/15 09:32	10/15/15 16:08	86-73-7	
Hexachloro-1,3-butadiene	**<44.0**	ug/kg	147	44.0	1	10/14/15 09:32	10/15/15 16:08	87-68-3	
Hexachlorobenzene	**<29.1**	ug/kg	96.9	29.1	1	10/14/15 09:32	10/15/15 16:08	118-74-1	
Hexachlorocyclopentadiene	**<40.9**	ug/kg	136	40.9	1	10/14/15 09:32	10/15/15 16:08	77-47-4	
Hexachloroethane	**<27.6**	ug/kg	92.2	27.6	1	10/14/15 09:32	10/15/15 16:08	67-72-1	
Indeno(1,2,3-cd)pyrene	**<37.4**	ug/kg	125	37.4	1	10/14/15 09:32	10/15/15 16:08	193-39-5	
Isophorone	**<26.6**	ug/kg	88.5	26.6	1	10/14/15 09:32	10/15/15 16:08	78-59-1	
2-Methylnaphthalene	**<44.9**	ug/kg	150	44.9	1	10/14/15 09:32	10/15/15 16:08	91-57-6	
2-Methylphenol(o-Cresol)	**<31.4**	ug/kg	105	31.4	1	10/14/15 09:32	10/15/15 16:08	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<31.7**	ug/kg	106	31.7	1	10/14/15 09:32	10/15/15 16:08		
Naphthalene	**<60.4**	ug/kg	201	60.4	1	10/14/15 09:32	10/15/15 16:08	91-20-3	
2-Nitroaniline	**<49.2**	ug/kg	164	49.2	1	10/14/15 09:32	10/15/15 16:08	88-74-4	
3-Nitroaniline	**<29.4**	ug/kg	97.9	29.4	1	10/14/15 09:32	10/15/15 16:08	99-09-2	
4-Nitroaniline	**<71.7**	ug/kg	239	71.7	1	10/14/15 09:32	10/15/15 16:08	100-01-6	
Nitrobenzene	**<35.0**	ug/kg	117	35.0	1	10/14/15 09:32	10/15/15 16:08	98-95-3	
2-Nitrophenol	**<54.5**	ug/kg	182	54.5	1	10/14/15 09:32	10/15/15 16:08	88-75-5	
4-Nitrophenol	**<43.5**	ug/kg	145	43.5	1	10/14/15 09:32	10/15/15 16:08	100-02-7	
N-Nitroso-di-n-propylamine	**<27.4**	ug/kg	91.3	27.4	1	10/14/15 09:32	10/15/15 16:08	621-64-7	
N-Nitrosodiphenylamine	**<234**	ug/kg	781	234	1	10/14/15 09:32	10/15/15 16:08	86-30-6	
2,2'-Oxybis(1-chloropropane)	**<44.5**	ug/kg	148	44.5	1	10/14/15 09:32	10/15/15 16:08	108-60-1	
Pentachlorophenol	**<38.0**	ug/kg	127	38.0	1	10/14/15 09:32	10/15/15 16:08	87-86-5	
Phenanthrene	**<22.2**	ug/kg	73.9	22.2	1	10/14/15 09:32	10/15/15 16:08	85-01-8	
Phenol	**<41.0**	ug/kg	137	41.0	1	10/14/15 09:32	10/15/15 16:08	108-95-2	
Pyrene	**<38.3**	ug/kg	128	38.3	1	10/14/15 09:32	10/15/15 16:08	129-00-0	
1,2,4-Trichlorobenzene	**<19.5**	ug/kg	65.1	19.5	1	10/14/15 09:32	10/15/15 16:08	120-82-1	
2,4,5-Trichlorophenol	**<30.5**	ug/kg	102	30.5	1	10/14/15 09:32	10/15/15 16:08	95-95-4	
2,4,6-Trichlorophenol	**<26.3**	ug/kg	87.8	26.3	1	10/14/15 09:32	10/15/15 16:08	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	56	%	45-130		1	10/14/15 09:32	10/15/15 16:08	4165-60-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-17 (0-7)-101215D **Lab ID: 40122748015** Collected: 10/12/15 10:25 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									
2-Fluorobiphenyl (S)	64	%	51-130		1	10/14/15 09:32	10/15/15 16:08	321-60-8	
Terphenyl-d14 (S)	149	%	37-134		1	10/14/15 09:32	10/15/15 16:08	1718-51-0	S3
Phenol-d6 (S)	63	%	36-130		1	10/14/15 09:32	10/15/15 16:08	13127-88-3	
2-Fluorophenol (S)	54	%	37-130		1	10/14/15 09:32	10/15/15 16:08	367-12-4	
2,4,6-Tribromophenol (S)	55	%	30-130		1	10/14/15 09:32	10/15/15 16:08	118-79-6	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Acetone	**<4.6**	ug/kg	14.8	4.6	1	10/15/15 12:00	10/15/15 09:11	67-64-1	2q
Benzene	**<1.2**	ug/kg	3.7	1.2	1	10/15/15 12:00	10/15/15 09:11	71-43-2	
Bromodichloromethane	**<0.81**	ug/kg	3.7	0.81	1	10/15/15 12:00	10/15/15 09:11	75-27-4	
Bromoform	**<0.63**	ug/kg	3.7	0.63	1	10/15/15 12:00	10/15/15 09:11	75-25-2	
Bromomethane	**<1.1**	ug/kg	7.4	1.1	1	10/15/15 12:00	10/15/15 09:11	74-83-9	
2-Butanone (MEK)	**<2.1**	ug/kg	14.8	2.1	1	10/15/15 12:00	10/15/15 09:11	78-93-3	
Carbon disulfide	**<0.96**	ug/kg	3.7	0.96	1	10/15/15 12:00	10/15/15 09:11	75-15-0	
Carbon tetrachloride	**<1.2**	ug/kg	3.7	1.2	1	10/15/15 12:00	10/15/15 09:11	56-23-5	
Chlorobenzene	**<1.2**	ug/kg	3.7	1.2	1	10/15/15 12:00	10/15/15 09:11	108-90-7	
Chloroethane	**<1.5**	ug/kg	3.7	1.5	1	10/15/15 12:00	10/15/15 09:11	75-00-3	
Chloroform	**<0.70**	ug/kg	3.7	0.70	1	10/15/15 12:00	10/15/15 09:11	67-66-3	
Chloromethane	**<0.42**	ug/kg	3.7	0.42	1	10/15/15 12:00	10/15/15 09:11	74-87-3	
Dibromochloromethane	**<1.3**	ug/kg	3.7	1.3	1	10/15/15 12:00	10/15/15 09:11	124-48-1	
1,1-Dichloroethane	**<1.8**	ug/kg	3.7	1.8	1	10/15/15 12:00	10/15/15 09:11	75-34-3	
1,2-Dichloroethane	**<0.73**	ug/kg	3.7	0.73	1	10/15/15 12:00	10/15/15 09:11	107-06-2	
1,1-Dichloroethene	**<1.7**	ug/kg	3.7	1.7	1	10/15/15 12:00	10/15/15 09:11	75-35-4	
cis-1,2-Dichloroethene	**<0.98**	ug/kg	3.7	0.98	1	10/15/15 12:00	10/15/15 09:11	156-59-2	
trans-1,2-Dichloroethene	**<0.92**	ug/kg	3.7	0.92	1	10/15/15 12:00	10/15/15 09:11	156-60-5	
1,2-Dichloropropane	**<0.94**	ug/kg	3.7	0.94	1	10/15/15 12:00	10/15/15 09:11	78-87-5	
cis-1,3-Dichloropropene	**<0.49**	ug/kg	3.7	0.49	1	10/15/15 12:00	10/15/15 09:11	10061-01-5	
trans-1,3-Dichloropropene	**<0.69**	ug/kg	3.7	0.69	1	10/15/15 12:00	10/15/15 09:11	10061-02-6	
Ethylbenzene	**<1.1**	ug/kg	3.7	1.1	1	10/15/15 12:00	10/15/15 09:11	100-41-4	
2-Hexanone	**<1.1**	ug/kg	3.7	1.1	1	10/15/15 12:00	10/15/15 09:11	591-78-6	
Methylene Chloride	**<1.4**	ug/kg	3.7	1.4	1	10/15/15 12:00	10/15/15 09:11	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 09:11	108-10-1	
Methyl-tert-butyl ether	**<0.74**	ug/kg	3.7	0.74	1	10/15/15 12:00	10/15/15 09:11	1634-04-4	
Styrene	**<0.56**	ug/kg	3.7	0.56	1	10/15/15 12:00	10/15/15 09:11	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 09:11	79-34-5	
Tetrachloroethene	**<1.2**	ug/kg	3.7	1.2	1	10/15/15 12:00	10/15/15 09:11	127-18-4	
Toluene	**<1.1**	ug/kg	3.7	1.1	1	10/15/15 12:00	10/15/15 09:11	108-88-3	
1,1,1-Trichloroethane	**<1.1**	ug/kg	3.7	1.1	1	10/15/15 12:00	10/15/15 09:11	71-55-6	
1,1,2-Trichloroethane	**<1.4**	ug/kg	3.7	1.4	1	10/15/15 12:00	10/15/15 09:11	79-00-5	
Trichloroethene	**<1.4**	ug/kg	3.7	1.4	1	10/15/15 12:00	10/15/15 09:11	79-01-6	
Vinyl chloride	**<0.40**	ug/kg	3.7	0.40	1	10/15/15 12:00	10/15/15 09:11	75-01-4	
Xylene (Total)	**<3.3**	ug/kg	11.1	3.3	1	10/15/15 12:00	10/15/15 09:11	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	101	%	70-130		1	10/15/15 12:00	10/15/15 09:11	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-17 (0-7)-101215D **Lab ID: 40122748015** Collected: 10/12/15 10:25 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
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 09:11	2037-26-5	
4-Bromofluorobenzene (S)	98	%	68-130		1	10/15/15 12:00	10/15/15 09:11	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**3.4**	%	0.10	0.10	1		10/13/15 16:02		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.69**	Std. Units	0.100	0.0100	1		10/14/15 20:00		H6

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-17 (7-15)-101215 **Lab ID: 40122748016** Collected: 10/12/15 10:50 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 Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	**0.93J**	mg/kg	1.8	0.56	2	10/19/15 11:30	10/20/15 12:43	7440-36-0	
Arsenic	**6.1**	mg/kg	0.90	0.36	1	10/19/15 11:30	10/20/15 09:35	7440-38-2	
Barium	**11.1**	mg/kg	0.90	0.051	1	10/19/15 11:30	10/20/15 09:35	7440-39-3	
Beryllium	**0.15**	mg/kg	0.090	0.010	1	10/19/15 11:30	10/20/15 09:35	7440-41-7	
Cadmium	**0.28J**	mg/kg	0.45	0.021	1	10/19/15 11:30	10/20/15 09:35	7440-43-9	
Calcium	**131000**	mg/kg	18.0	2.0	2	10/19/15 11:30	10/20/15 12:43	7440-70-2	M1
Chromium	**5.2**	mg/kg	0.45	0.056	1	10/19/15 11:30	10/20/15 09:35	7440-47-3	
Cobalt	**3.0**	mg/kg	0.45	0.041	1	10/19/15 11:30	10/20/15 09:35	7440-48-4	
Copper	**11.6**	mg/kg	0.90	0.20	1	10/19/15 11:30	10/20/15 09:35	7440-50-8	
Iron	**8800**	mg/kg	4.5	0.40	1	10/19/15 11:30	10/20/15 09:35	7439-89-6	M1
Lead	**5.7**	mg/kg	0.90	0.18	1	10/19/15 11:30	10/20/15 09:35	7439-92-1	
Magnesium	**67500**	mg/kg	4.5	0.79	1	10/19/15 11:30	10/20/15 09:35	7439-95-4	M1
Manganese	**246**	mg/kg	0.45	0.061	1	10/19/15 11:30	10/20/15 09:35	7439-96-5	
Nickel	**6.7**	mg/kg	0.45	0.076	1	10/19/15 11:30	10/20/15 09:35	7440-02-0	
Potassium	**1160**	mg/kg	450	45.1	10	10/19/15 11:30	10/20/15 14:30	7440-09-7	M1
Selenium	**1.1J**	mg/kg	2.7	0.81	2	10/19/15 11:30	10/20/15 12:43	7782-49-2	
Silver	**<0.093**	mg/kg	0.63	0.093	1	10/19/15 11:30	10/20/15 09:35	7440-22-4	
Sodium	**265**	mg/kg	45.0	1.4	1	10/19/15 11:30	10/20/15 09:35	7440-23-5	
Thallium	**<0.28**	mg/kg	1.8	0.28	1	10/19/15 11:30	10/20/15 09:35	7440-28-0	M1
Vanadium	**8.3**	mg/kg	0.90	0.096	1	10/19/15 11:30	10/20/15 09:35	7440-62-2	
Zinc	**31.8**	mg/kg	9.0	0.51	1	10/19/15 11:30	10/20/15 09:35	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	**<0.0045**	mg/L	0.010	0.0045	1	10/23/15 15:50	10/26/15 13:24	7440-38-2	
Barium	**0.0024J**	mg/L	0.10	0.00052	1	10/23/15 15:50	10/26/15 13:24	7440-39-3	B
Beryllium	**<0.00017**	mg/L	0.0010	0.00017	1	10/23/15 15:50	10/26/15 13:24	7440-41-7	
Cadmium	**<0.00056**	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 13:24	7440-43-9	
Chromium	**0.0013J**	mg/L	0.0050	0.00096	1	10/23/15 15:50	10/26/15 13:24	7440-47-3	B
Cobalt	**<0.00080**	mg/L	0.0050	0.00080	1	10/23/15 15:50	10/26/15 13:24	7440-48-4	
Copper	**0.0027J**	mg/L	0.010	0.00083	1	10/23/15 15:50	10/26/15 13:24	7440-50-8	B
Iron	**0.045J**	mg/L	0.050	0.0090	1	10/23/15 15:50	10/26/15 13:24	7439-89-6	B
Lead	**<0.0019**	mg/L	0.0050	0.0019	1	10/23/15 15:50	10/26/15 13:24	7439-92-1	
Manganese	**<0.0024**	mg/L	0.0050	0.0024	1	10/23/15 15:50	10/26/15 13:24	7439-96-5	
Nickel	**0.00089J**	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 13:24	7440-02-0	B
Selenium	**<0.0058**	mg/L	0.015	0.0058	1	10/23/15 15:50	10/26/15 13:24	7782-49-2	
Silver	**<0.0011**	mg/L	0.0070	0.0011	1	10/23/15 15:50	10/26/15 13:24	7440-22-4	
Zinc	**0.0037J**	mg/L	0.050	0.0026	1	10/23/15 15:50	10/26/15 13:24	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	**0.014J**	mg/L	0.050	0.0045	1	10/23/15 15:50	10/26/15 12:20	7440-38-2	B
Barium	**0.12J**	mg/L	0.25	0.00052	1	10/23/15 15:50	10/26/15 12:20	7440-39-3	B
Beryllium	**<0.00017**	mg/L	0.0050	0.00017	1	10/23/15 15:50	10/26/15 12:20	7440-41-7	
Cadmium	**0.0025J**	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 12:20	7440-43-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-17 (7-15)-101215 **Lab ID: 40122748016** Collected: 10/12/15 10:50 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; 10/22/15 00:00								
Chromium	**0.0034J**	mg/L	0.010	0.00096	1	10/23/15 15:50	10/26/15 12:20	7440-47-3	B
Cobalt	**0.024**	mg/L	0.010	0.00080	1	10/23/15 15:50	10/26/15 12:20	7440-48-4	
Copper	**0.011J**	mg/L	0.020	0.00083	1	10/23/15 15:50	10/26/15 12:20	7440-50-8	B
Iron	**3.6**	mg/L	0.10	0.0090	1	10/23/15 15:50	10/26/15 12:20	7439-89-6	
Lead	**<0.0019**	mg/L	0.050	0.0019	1	10/23/15 15:50	10/26/15 12:20	7439-92-1	
Manganese	**3.3**	mg/L	0.010	0.0024	1	10/23/15 15:50	10/26/15 12:20	7439-96-5	
Nickel	**0.034**	mg/L	0.010	0.00056	1	10/23/15 15:50	10/26/15 12:20	7440-02-0	B
Selenium	**0.014J**	mg/L	0.050	0.0058	1	10/23/15 15:50	10/26/15 12:20	7782-49-2	B
Silver	**<0.0011**	mg/L	0.010	0.0011	1	10/23/15 15:50	10/26/15 12:20	7440-22-4	
Zinc	**0.076J**	mg/L	0.25	0.0026	1	10/23/15 15:50	10/26/15 12:20	7440-66-6	B
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 14:06	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 13:13	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0061J**	mg/kg	0.035	0.0018	1	10/19/15 10:00	10/19/15 14:54	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	10/14/15 09:32	10/16/15 13:57	83-32-9	
Acenaphthylene	**<62.1**	ug/kg	207	62.1	1	10/14/15 09:32	10/16/15 13:57	208-96-8	
Anthracene	**<27.8**	ug/kg	92.8	27.8	1	10/14/15 09:32	10/16/15 13:57	120-12-7	
Benzo(a)anthracene	**<27.0**	ug/kg	89.9	27.0	1	10/14/15 09:32	10/16/15 13:57	56-55-3	
Benzo(a)pyrene	**<26.2**	ug/kg	87.3	26.2	1	10/14/15 09:32	10/16/15 13:57	50-32-8	
Benzo(b)fluoranthene	**<29.9**	ug/kg	99.7	29.9	1	10/14/15 09:32	10/16/15 13:57	205-99-2	
Benzo(g,h,i)perylene	**<45.6**	ug/kg	152	45.6	1	10/14/15 09:32	10/16/15 13:57	191-24-2	
Benzo(k)fluoranthene	**<41.7**	ug/kg	139	41.7	1	10/14/15 09:32	10/16/15 13:57	207-08-9	
4-Bromophenylphenyl ether	**<36.5**	ug/kg	122	36.5	1	10/14/15 09:32	10/16/15 13:57	101-55-3	
Butylbenzylphthalate	**<27.9**	ug/kg	93.1	27.9	1	10/14/15 09:32	10/16/15 13:57	85-68-7	
Carbazole	**<27.3**	ug/kg	90.9	27.3	1	10/14/15 09:32	10/16/15 13:57	86-74-8	
4-Chloro-3-methylphenol	**<54.2**	ug/kg	181	54.2	1	10/14/15 09:32	10/16/15 13:57	59-50-7	
4-Chloroaniline	**<28.6**	ug/kg	95.4	28.6	1	10/14/15 09:32	10/16/15 13:57	106-47-8	
bis(2-Chloroethoxy)methane	**<46.9**	ug/kg	156	46.9	1	10/14/15 09:32	10/16/15 13:57	111-91-1	
bis(2-Chloroethyl) ether	**<54.4**	ug/kg	181	54.4	1	10/14/15 09:32	10/16/15 13:57	111-44-4	
2-Chloronaphthalene	**<22.4**	ug/kg	74.5	22.4	1	10/14/15 09:32	10/16/15 13:57	91-58-7	
2-Chlorophenol	**<43.5**	ug/kg	145	43.5	1	10/14/15 09:32	10/16/15 13:57	95-57-8	
4-Chlorophenylphenyl ether	**<32.4**	ug/kg	108	32.4	1	10/14/15 09:32	10/16/15 13:57	7005-72-3	
Chrysene	**<26.0**	ug/kg	86.8	26.0	1	10/14/15 09:32	10/16/15 13:57	218-01-9	L2
Dibenz(a,h)anthracene	**<47.3**	ug/kg	158	47.3	1	10/14/15 09:32	10/16/15 13:57	53-70-3	
Dibenzofuran	**<21.1**	ug/kg	70.3	21.1	1	10/14/15 09:32	10/16/15 13:57	132-64-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-17 (7-15)-101215 **Lab ID: 40122748016** Collected: 10/12/15 10:50 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								
1,2-Dichlorobenzene	**<54.8**	ug/kg	183	54.8	1	10/14/15 09:32	10/16/15 13:57	95-50-1	
1,3-Dichlorobenzene	**<24.1**	ug/kg	80.4	24.1	1	10/14/15 09:32	10/16/15 13:57	541-73-1	
1,4-Dichlorobenzene	**<24.3**	ug/kg	80.9	24.3	1	10/14/15 09:32	10/16/15 13:57	106-46-7	
3,3'-Dichlorobenzidine	**<47.2**	ug/kg	158	47.2	1	10/14/15 09:32	10/16/15 13:57	91-94-1	
2,4-Dichlorophenol	**<46.5**	ug/kg	155	46.5	1	10/14/15 09:32	10/16/15 13:57	120-83-2	
Diethylphthalate	**<28.9**	ug/kg	96.3	28.9	1	10/14/15 09:32	10/16/15 13:57	84-66-2	
2,4-Dimethylphenol	**<34.4**	ug/kg	115	34.4	1	10/14/15 09:32	10/16/15 13:57	105-67-9	
Dimethylphthalate	**<22.7**	ug/kg	75.5	22.7	1	10/14/15 09:32	10/16/15 13:57	131-11-3	
Di-n-butylphthalate	**<26.0**	ug/kg	86.8	26.0	1	10/14/15 09:32	10/16/15 13:57	84-74-2	
4,6-Dinitro-2-methylphenol	**<53.7**	ug/kg	179	53.7	1	10/14/15 09:32	10/16/15 13:57	534-52-1	
2,4-Dinitrophenol	**<53.1**	ug/kg	177	53.1	1	10/14/15 09:32	10/16/15 13:57	51-28-5	
2,4-Dinitrotoluene	**<24.9**	ug/kg	83.0	24.9	1	10/14/15 09:32	10/16/15 13:57	121-14-2	
2,6-Dinitrotoluene	**<33.1**	ug/kg	110	33.1	1	10/14/15 09:32	10/16/15 13:57	606-20-2	
Di-n-octylphthalate	**<39.2**	ug/kg	131	39.2	1	10/14/15 09:32	10/16/15 13:57	117-84-0	
bis(2-Ethylhexyl)phthalate	**<29.0**	ug/kg	96.5	29.0	1	10/14/15 09:32	10/16/15 13:57	117-81-7	
Fluoranthene	**<24.6**	ug/kg	82.1	24.6	1	10/14/15 09:32	10/16/15 13:57	206-44-0	
Fluorene	**<20.4**	ug/kg	67.8	20.4	1	10/14/15 09:32	10/16/15 13:57	86-73-7	
Hexachloro-1,3-butadiene	**<44.4**	ug/kg	148	44.4	1	10/14/15 09:32	10/16/15 13:57	87-68-3	
Hexachlorobenzene	**<29.3**	ug/kg	97.6	29.3	1	10/14/15 09:32	10/16/15 13:57	118-74-1	
Hexachlorocyclopentadiene	**<41.2**	ug/kg	137	41.2	1	10/14/15 09:32	10/16/15 13:57	77-47-4	
Hexachloroethane	**<27.9**	ug/kg	92.9	27.9	1	10/14/15 09:32	10/16/15 13:57	67-72-1	
Indeno(1,2,3-cd)pyrene	**<37.7**	ug/kg	126	37.7	1	10/14/15 09:32	10/16/15 13:57	193-39-5	
Isophorone	**<26.8**	ug/kg	89.2	26.8	1	10/14/15 09:32	10/16/15 13:57	78-59-1	
2-Methylnaphthalene	**<45.2**	ug/kg	151	45.2	1	10/14/15 09:32	10/16/15 13:57	91-57-6	
2-Methylphenol(o-Cresol)	**<31.6**	ug/kg	105	31.6	1	10/14/15 09:32	10/16/15 13:57	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<31.9**	ug/kg	106	31.9	1	10/14/15 09:32	10/16/15 13:57		
Naphthalene	**<60.9**	ug/kg	203	60.9	1	10/14/15 09:32	10/16/15 13:57	91-20-3	
2-Nitroaniline	**<49.6**	ug/kg	165	49.6	1	10/14/15 09:32	10/16/15 13:57	88-74-4	
3-Nitroaniline	**<29.6**	ug/kg	98.7	29.6	1	10/14/15 09:32	10/16/15 13:57	99-09-2	
4-Nitroaniline	**<72.3**	ug/kg	241	72.3	1	10/14/15 09:32	10/16/15 13:57	100-01-6	
Nitrobenzene	**<35.3**	ug/kg	118	35.3	1	10/14/15 09:32	10/16/15 13:57	98-95-3	
2-Nitrophenol	**<55.0**	ug/kg	183	55.0	1	10/14/15 09:32	10/16/15 13:57	88-75-5	
4-Nitrophenol	**<43.9**	ug/kg	146	43.9	1	10/14/15 09:32	10/16/15 13:57	100-02-7	
N-Nitroso-di-n-propylamine	**<27.6**	ug/kg	92.1	27.6	1	10/14/15 09:32	10/16/15 13:57	621-64-7	
N-Nitrosodiphenylamine	**<236**	ug/kg	788	236	1	10/14/15 09:32	10/16/15 13:57	86-30-6	
2,2'-Oxybis(1-chloropropane)	**<44.9**	ug/kg	150	44.9	1	10/14/15 09:32	10/16/15 13:57	108-60-1	
Pentachlorophenol	**<38.4**	ug/kg	128	38.4	1	10/14/15 09:32	10/16/15 13:57	87-86-5	
Phenanthrene	**<22.3**	ug/kg	74.5	22.3	1	10/14/15 09:32	10/16/15 13:57	85-01-8	
Phenol	**<41.3**	ug/kg	138	41.3	1	10/14/15 09:32	10/16/15 13:57	108-95-2	
Pyrene	**<38.6**	ug/kg	129	38.6	1	10/14/15 09:32	10/16/15 13:57	129-00-0	
1,2,4-Trichlorobenzene	**<19.7**	ug/kg	65.6	19.7	1	10/14/15 09:32	10/16/15 13:57	120-82-1	
2,4,5-Trichlorophenol	**<30.8**	ug/kg	103	30.8	1	10/14/15 09:32	10/16/15 13:57	95-95-4	
2,4,6-Trichlorophenol	**<26.6**	ug/kg	88.5	26.6	1	10/14/15 09:32	10/16/15 13:57	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	55	%	45-130		1	10/14/15 09:32	10/16/15 13:57	4165-60-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-17 (7-15)-101215 **Lab ID: 40122748016** Collected: 10/12/15 10:50 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									
2-Fluorobiphenyl (S)	70	%	51-130		1	10/14/15 09:32	10/16/15 13:57	321-60-8	
Terphenyl-d14 (S)	83	%	37-134		1	10/14/15 09:32	10/16/15 13:57	1718-51-0	
Phenol-d6 (S)	62	%	36-130		1	10/14/15 09:32	10/16/15 13:57	13127-88-3	
2-Fluorophenol (S)	57	%	37-130		1	10/14/15 09:32	10/16/15 13:57	367-12-4	
2,4,6-Tribromophenol (S)	60	%	30-130		1	10/14/15 09:32	10/16/15 13:57	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 09:34	67-64-1	2q
Benzene	**<1.1**	ug/kg	3.4	1.1	1	10/15/15 12:00	10/15/15 09:34	71-43-2	
Bromodichloromethane	**<0.75**	ug/kg	3.4	0.75	1	10/15/15 12:00	10/15/15 09:34	75-27-4	
Bromoform	**<0.58**	ug/kg	3.4	0.58	1	10/15/15 12:00	10/15/15 09:34	75-25-2	
Bromomethane	**<1.0**	ug/kg	6.9	1.0	1	10/15/15 12:00	10/15/15 09:34	74-83-9	
2-Butanone (MEK)	**<2.0**	ug/kg	13.8	2.0	1	10/15/15 12:00	10/15/15 09:34	78-93-3	
Carbon disulfide	**<0.89**	ug/kg	3.4	0.89	1	10/15/15 12:00	10/15/15 09:34	75-15-0	
Carbon tetrachloride	**<1.1**	ug/kg	3.4	1.1	1	10/15/15 12:00	10/15/15 09:34	56-23-5	
Chlorobenzene	**<1.1**	ug/kg	3.4	1.1	1	10/15/15 12:00	10/15/15 09:34	108-90-7	
Chloroethane	**<1.4**	ug/kg	3.4	1.4	1	10/15/15 12:00	10/15/15 09:34	75-00-3	
Chloroform	**<0.65**	ug/kg	3.4	0.65	1	10/15/15 12:00	10/15/15 09:34	67-66-3	
Chloromethane	**<0.39**	ug/kg	3.4	0.39	1	10/15/15 12:00	10/15/15 09:34	74-87-3	
Dibromochloromethane	**<1.2**	ug/kg	3.4	1.2	1	10/15/15 12:00	10/15/15 09:34	124-48-1	
1,1-Dichloroethane	**<1.6**	ug/kg	3.4	1.6	1	10/15/15 12:00	10/15/15 09:34	75-34-3	
1,2-Dichloroethane	**<0.68**	ug/kg	3.4	0.68	1	10/15/15 12:00	10/15/15 09:34	107-06-2	
1,1-Dichloroethene	**<1.6**	ug/kg	3.4	1.6	1	10/15/15 12:00	10/15/15 09:34	75-35-4	
cis-1,2-Dichloroethene	**<0.91**	ug/kg	3.4	0.91	1	10/15/15 12:00	10/15/15 09:34	156-59-2	
trans-1,2-Dichloroethene	**<0.85**	ug/kg	3.4	0.85	1	10/15/15 12:00	10/15/15 09:34	156-60-5	
1,2-Dichloropropane	**<0.87**	ug/kg	3.4	0.87	1	10/15/15 12:00	10/15/15 09:34	78-87-5	
cis-1,3-Dichloropropene	**<0.46**	ug/kg	3.4	0.46	1	10/15/15 12:00	10/15/15 09:34	10061-01-5	
trans-1,3-Dichloropropene	**<0.64**	ug/kg	3.4	0.64	1	10/15/15 12:00	10/15/15 09:34	10061-02-6	
Ethylbenzene	**<0.99**	ug/kg	3.4	0.99	1	10/15/15 12:00	10/15/15 09:34	100-41-4	
2-Hexanone	**<1.0**	ug/kg	3.4	1.0	1	10/15/15 12:00	10/15/15 09:34	591-78-6	
Methylene Chloride	**<1.3**	ug/kg	3.4	1.3	1	10/15/15 12:00	10/15/15 09:34	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 09:34	108-10-1	
Methyl-tert-butyl ether	**<0.69**	ug/kg	3.4	0.69	1	10/15/15 12:00	10/15/15 09:34	1634-04-4	
Styrene	**<0.52**	ug/kg	3.4	0.52	1	10/15/15 12:00	10/15/15 09:34	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 09:34	79-34-5	
Tetrachloroethene	**<1.1**	ug/kg	3.4	1.1	1	10/15/15 12:00	10/15/15 09:34	127-18-4	
Toluene	**<1.0**	ug/kg	3.4	1.0	1	10/15/15 12:00	10/15/15 09:34	108-88-3	
1,1,1-Trichloroethane	**<1.1**	ug/kg	3.4	1.1	1	10/15/15 12:00	10/15/15 09:34	71-55-6	
1,1,2-Trichloroethane	**<1.3**	ug/kg	3.4	1.3	1	10/15/15 12:00	10/15/15 09:34	79-00-5	
Trichloroethene	**<1.3**	ug/kg	3.4	1.3	1	10/15/15 12:00	10/15/15 09:34	79-01-6	
Vinyl chloride	**<0.38**	ug/kg	3.4	0.38	1	10/15/15 12:00	10/15/15 09:34	75-01-4	
Xylene (Total)	**<3.1**	ug/kg	10.3	3.1	1	10/15/15 12:00	10/15/15 09:34	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	104	%	70-130		1	10/15/15 12:00	10/15/15 09:34	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-17 (7-15)-101215 **Lab ID: 40122748016** Collected: 10/12/15 10:50 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
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 09:34	2037-26-5	
4-Bromofluorobenzene (S)	91	%	68-130		1	10/15/15 12:00	10/15/15 09:34	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.2**	%	0.10	0.10	1		10/13/15 16:02		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.57**	Std. Units	0.100	0.0100	1		10/14/15 20:00		H6

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-18 (0-6)-101215 **Lab ID: 40122748017** Collected: 10/12/15 11:50 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 Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	**0.94J**	mg/kg	1.9	0.58	2	10/19/15 11:30	10/20/15 13:12	7440-36-0	
Arsenic	**3.1**	mg/kg	0.94	0.37	1	10/19/15 11:30	10/20/15 09:53	7440-38-2	
Barium	**19.9**	mg/kg	0.94	0.053	1	10/19/15 11:30	10/20/15 09:53	7440-39-3	
Beryllium	**0.13**	mg/kg	0.094	0.011	1	10/19/15 11:30	10/20/15 11:37	7440-41-7	
Cadmium	**0.28J**	mg/kg	0.47	0.022	1	10/19/15 11:30	10/20/15 09:53	7440-43-9	
Calcium	**152000**	mg/kg	18.9	2.1	2	10/19/15 11:30	10/20/15 13:12	7440-70-2	
Chromium	**4.6**	mg/kg	0.47	0.059	1	10/19/15 11:30	10/20/15 09:53	7440-47-3	
Cobalt	**1.9**	mg/kg	0.47	0.043	1	10/19/15 11:30	10/20/15 09:53	7440-48-4	
Copper	**6.1**	mg/kg	0.94	0.21	1	10/19/15 11:30	10/20/15 09:53	7440-50-8	
Iron	**5650**	mg/kg	4.7	0.42	1	10/19/15 11:30	10/20/15 11:37	7439-89-6	
Lead	**5.0**	mg/kg	0.94	0.19	1	10/19/15 11:30	10/20/15 09:53	7439-92-1	
Magnesium	**78500**	mg/kg	4.7	0.83	1	10/19/15 11:30	10/20/15 09:53	7439-95-4	
Manganese	**371**	mg/kg	0.47	0.064	1	10/19/15 11:30	10/20/15 09:53	7439-96-5	
Nickel	**4.4**	mg/kg	0.47	0.080	1	10/19/15 11:30	10/20/15 09:53	7440-02-0	
Potassium	**876**	mg/kg	471	47.2	10	10/19/15 11:30	10/20/15 14:48	7440-09-7	
Selenium	**1.3J**	mg/kg	2.8	0.85	2	10/19/15 11:30	10/20/15 13:12	7782-49-2	
Silver	**<0.098**	mg/kg	0.66	0.098	1	10/19/15 11:30	10/20/15 09:53	7440-22-4	
Sodium	**923**	mg/kg	47.1	1.5	1	10/19/15 11:30	10/20/15 09:53	7440-23-5	
Thallium	**<0.29**	mg/kg	1.9	0.29	1	10/19/15 11:30	10/20/15 09:53	7440-28-0	
Vanadium	**8.1**	mg/kg	0.94	0.10	1	10/19/15 11:30	10/20/15 09:53	7440-62-2	
Zinc	**21.6**	mg/kg	9.4	0.53	1	10/19/15 11:30	10/20/15 09:53	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	**<0.0045**	mg/L	0.010	0.0045	1	10/23/15 15:50	10/26/15 13:27	7440-38-2	
Barium	**0.015J**	mg/L	0.10	0.00052	1	10/23/15 15:50	10/26/15 13:27	7440-39-3	B
Beryllium	**<0.00017**	mg/L	0.0010	0.00017	1	10/23/15 15:50	10/26/15 13:27	7440-41-7	
Cadmium	**<0.00056**	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 13:27	7440-43-9	
Chromium	**0.0037J**	mg/L	0.0050	0.00096	1	10/23/15 15:50	10/26/15 13:27	7440-47-3	B
Cobalt	**<0.00080**	mg/L	0.0050	0.00080	1	10/23/15 15:50	10/26/15 13:27	7440-48-4	
Copper	**0.016**	mg/L	0.010	0.00083	1	10/23/15 15:50	10/26/15 13:27	7440-50-8	B
Iron	**1.8**	mg/L	0.050	0.0090	1	10/23/15 15:50	10/26/15 13:27	7439-89-6	B
Lead	**0.0024J**	mg/L	0.0050	0.0019	1	10/23/15 15:50	10/26/15 13:27	7439-92-1	B
Manganese	**0.026**	mg/L	0.0050	0.0024	1	10/23/15 15:50	10/26/15 13:27	7439-96-5	B
Nickel	**0.0037J**	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 13:27	7440-02-0	B
Selenium	**<0.0058**	mg/L	0.015	0.0058	1	10/23/15 15:50	10/26/15 13:27	7782-49-2	
Silver	**<0.0011**	mg/L	0.0070	0.0011	1	10/23/15 15:50	10/26/15 13:27	7440-22-4	
Zinc	**0.014J**	mg/L	0.050	0.0026	1	10/23/15 15:50	10/26/15 13:27	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	**0.0090J**	mg/L	0.050	0.0045	1	10/27/15 09:45	10/27/15 16:17	7440-38-2	B
Barium	**0.53**	mg/L	0.25	0.00052	1	10/27/15 09:45	10/27/15 16:17	7440-39-3	
Beryllium	**<0.00017**	mg/L	0.0050	0.00017	1	10/27/15 09:45	10/27/15 16:17	7440-41-7	
Cadmium	**0.0042J**	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 16:17	7440-43-9	B

REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-18 (0-6)-101215 **Lab ID: 40122748017** Collected: 10/12/15 11:50 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; 10/25/15 00:00								
Chromium	**0.0018J**	mg/L	0.010	0.00096	1	10/27/15 09:45	10/27/15 16:17	7440-47-3	B
Cobalt	**0.022**	mg/L	0.010	0.00080	1	10/27/15 09:45	10/27/15 16:17	7440-48-4	
Copper	**0.022**	mg/L	0.020	0.00083	1	10/27/15 09:45	10/28/15 11:38	7440-50-8	B
Iron	**0.050J**	mg/L	0.10	0.0090	1	10/27/15 09:45	10/27/15 16:17	7439-89-6	B
Lead	**0.0064J**	mg/L	0.050	0.0019	1	10/27/15 09:45	10/27/15 16:17	7439-92-1	
Manganese	**6.3**	mg/L	0.010	0.0024	1	10/27/15 09:45	10/27/15 16:17	7439-96-5	M1
Nickel	**0.038**	mg/L	0.010	0.00056	1	10/27/15 09:45	10/27/15 16:17	7440-02-0	B
Selenium	**0.0089J**	mg/L	0.050	0.0058	1	10/27/15 09:45	10/27/15 16:17	7782-49-2	B
Silver	**<0.0011**	mg/L	0.010	0.0011	1	10/27/15 09:45	10/27/15 16:17	7440-22-4	
Zinc	**0.091J**	mg/L	0.25	0.0026	1	10/27/15 09:45	10/27/15 16:17	7440-66-6	B
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 14:08	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	**0.0012**	mg/L	0.00067	0.00033	1	10/27/15 12:00	10/27/15 14:53	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0087J**	mg/kg	0.033	0.0017	1	10/19/15 10:00	10/19/15 14:56	7439-97-6	
8270 MSSV FULL LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<61.4**	ug/kg	205	61.4	1	10/14/15 09:32	10/15/15 11:14	83-32-9	
Acenaphthylene	**<61.7**	ug/kg	206	61.7	1	10/14/15 09:32	10/15/15 11:14	208-96-8	
Anthracene	**<27.7**	ug/kg	92.2	27.7	1	10/14/15 09:32	10/15/15 11:14	120-12-7	
Benzo(a)anthracene	**<26.8**	ug/kg	89.3	26.8	1	10/14/15 09:32	10/15/15 11:14	56-55-3	
Benzo(a)pyrene	**<26.0**	ug/kg	86.8	26.0	1	10/14/15 09:32	10/15/15 11:14	50-32-8	
Benzo(b)fluoranthene	**<29.7**	ug/kg	99.1	29.7	1	10/14/15 09:32	10/15/15 11:14	205-99-2	
Benzo(g,h,i)perylene	**<45.3**	ug/kg	151	45.3	1	10/14/15 09:32	10/15/15 11:14	191-24-2	
Benzo(k)fluoranthene	**<41.4**	ug/kg	138	41.4	1	10/14/15 09:32	10/15/15 11:14	207-08-9	
4-Bromophenylphenyl ether	**<36.2**	ug/kg	121	36.2	1	10/14/15 09:32	10/15/15 11:14	101-55-3	
Butylbenzylphthalate	**<27.8**	ug/kg	92.5	27.8	1	10/14/15 09:32	10/15/15 11:14	85-68-7	
Carbazole	**<27.1**	ug/kg	90.3	27.1	1	10/14/15 09:32	10/15/15 11:14	86-74-8	
4-Chloro-3-methylphenol	**<53.8**	ug/kg	179	53.8	1	10/14/15 09:32	10/15/15 11:14	59-50-7	
4-Chloroaniline	**<28.4**	ug/kg	94.8	28.4	1	10/14/15 09:32	10/15/15 11:14	106-47-8	
bis(2-Chloroethoxy)methane	**<46.6**	ug/kg	155	46.6	1	10/14/15 09:32	10/15/15 11:14	111-91-1	
bis(2-Chloroethyl) ether	**<54.0**	ug/kg	180	54.0	1	10/14/15 09:32	10/15/15 11:14	111-44-4	
2-Chloronaphthalene	**<22.2**	ug/kg	74.1	22.2	1	10/14/15 09:32	10/15/15 11:14	91-58-7	
2-Chlorophenol	**<43.2**	ug/kg	144	43.2	1	10/14/15 09:32	10/15/15 11:14	95-57-8	
4-Chlorophenylphenyl ether	**<32.2**	ug/kg	107	32.2	1	10/14/15 09:32	10/15/15 11:14	7005-72-3	
Chrysene	**<25.9**	ug/kg	86.3	25.9	1	10/14/15 09:32	10/15/15 11:14	218-01-9	L2
Dibenz(a,h)anthracene	**<47.0**	ug/kg	157	47.0	1	10/14/15 09:32	10/15/15 11:14	53-70-3	
Dibenzofuran	**<20.9**	ug/kg	69.8	20.9	1	10/14/15 09:32	10/15/15 11:14	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-18 (0-6)-101215 **Lab ID: 40122748017** Collected: 10/12/15 11:50 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								
1,2-Dichlorobenzene	**<54.4**	ug/kg	181	54.4	1	10/14/15 09:32	10/15/15 11:14	95-50-1	
1,3-Dichlorobenzene	**<24.0**	ug/kg	79.9	24.0	1	10/14/15 09:32	10/15/15 11:14	541-73-1	
1,4-Dichlorobenzene	**<24.1**	ug/kg	80.4	24.1	1	10/14/15 09:32	10/15/15 11:14	106-46-7	
3,3'-Dichlorobenzidine	**<47.0**	ug/kg	157	47.0	1	10/14/15 09:32	10/15/15 11:14	91-94-1	
2,4-Dichlorophenol	**<46.2**	ug/kg	154	46.2	1	10/14/15 09:32	10/15/15 11:14	120-83-2	
Diethylphthalate	**<28.7**	ug/kg	95.7	28.7	1	10/14/15 09:32	10/15/15 11:14	84-66-2	
2,4-Dimethylphenol	**<34.2**	ug/kg	114	34.2	1	10/14/15 09:32	10/15/15 11:14	105-67-9	
Dimethylphthalate	**<22.5**	ug/kg	75.0	22.5	1	10/14/15 09:32	10/15/15 11:14	131-11-3	
Di-n-butylphthalate	**<25.9**	ug/kg	86.2	25.9	1	10/14/15 09:32	10/15/15 11:14	84-74-2	
4,6-Dinitro-2-methylphenol	**<53.3**	ug/kg	178	53.3	1	10/14/15 09:32	10/15/15 11:14	534-52-1	
2,4-Dinitrophenol	**<52.7**	ug/kg	176	52.7	1	10/14/15 09:32	10/15/15 11:14	51-28-5	
2,4-Dinitrotoluene	**<24.8**	ug/kg	82.5	24.8	1	10/14/15 09:32	10/15/15 11:14	121-14-2	
2,6-Dinitrotoluene	**<32.9**	ug/kg	110	32.9	1	10/14/15 09:32	10/15/15 11:14	606-20-2	
Di-n-octylphthalate	**<38.9**	ug/kg	130	38.9	1	10/14/15 09:32	10/15/15 11:14	117-84-0	
bis(2-Ethylhexyl)phthalate	**<28.8**	ug/kg	95.9	28.8	1	10/14/15 09:32	10/15/15 11:14	117-81-7	
Fluoranthene	**<24.5**	ug/kg	81.6	24.5	1	10/14/15 09:32	10/15/15 11:14	206-44-0	
Fluorene	**<20.2**	ug/kg	67.4	20.2	1	10/14/15 09:32	10/15/15 11:14	86-73-7	
Hexachloro-1,3-butadiene	**<44.1**	ug/kg	147	44.1	1	10/14/15 09:32	10/15/15 11:14	87-68-3	
Hexachlorobenzene	**<29.1**	ug/kg	97.0	29.1	1	10/14/15 09:32	10/15/15 11:14	118-74-1	
Hexachlorocyclopentadiene	**<41.0**	ug/kg	137	41.0	1	10/14/15 09:32	10/15/15 11:14	77-47-4	
Hexachloroethane	**<27.7**	ug/kg	92.3	27.7	1	10/14/15 09:32	10/15/15 11:14	67-72-1	
Indeno(1,2,3-cd)pyrene	**<37.4**	ug/kg	125	37.4	1	10/14/15 09:32	10/15/15 11:14	193-39-5	
Isophorone	**<26.6**	ug/kg	88.7	26.6	1	10/14/15 09:32	10/15/15 11:14	78-59-1	
2-Methylnaphthalene	**<44.9**	ug/kg	150	44.9	1	10/14/15 09:32	10/15/15 11:14	91-57-6	
2-Methylphenol(o-Cresol)	**<31.4**	ug/kg	105	31.4	1	10/14/15 09:32	10/15/15 11:14	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<31.7**	ug/kg	106	31.7	1	10/14/15 09:32	10/15/15 11:14		
Naphthalene	**<60.5**	ug/kg	202	60.5	1	10/14/15 09:32	10/15/15 11:14	91-20-3	
2-Nitroaniline	**<49.3**	ug/kg	164	49.3	1	10/14/15 09:32	10/15/15 11:14	88-74-4	
3-Nitroaniline	**<29.4**	ug/kg	98.1	29.4	1	10/14/15 09:32	10/15/15 11:14	99-09-2	
4-Nitroaniline	**<71.8**	ug/kg	239	71.8	1	10/14/15 09:32	10/15/15 11:14	100-01-6	
Nitrobenzene	**<35.1**	ug/kg	117	35.1	1	10/14/15 09:32	10/15/15 11:14	98-95-3	
2-Nitrophenol	**<54.6**	ug/kg	182	54.6	1	10/14/15 09:32	10/15/15 11:14	88-75-5	
4-Nitrophenol	**<43.6**	ug/kg	145	43.6	1	10/14/15 09:32	10/15/15 11:14	100-02-7	
N-Nitroso-di-n-propylamine	**<27.4**	ug/kg	91.5	27.4	1	10/14/15 09:32	10/15/15 11:14	621-64-7	
N-Nitrosodiphenylamine	**<235**	ug/kg	783	235	1	10/14/15 09:32	10/15/15 11:14	86-30-6	
2,2'-Oxybis(1-chloropropane)	**<44.6**	ug/kg	149	44.6	1	10/14/15 09:32	10/15/15 11:14	108-60-1	
Pentachlorophenol	**<38.1**	ug/kg	127	38.1	1	10/14/15 09:32	10/15/15 11:14	87-86-5	
Phenanthrene	**<22.2**	ug/kg	74.0	22.2	1	10/14/15 09:32	10/15/15 11:14	85-01-8	
Phenol	**<41.1**	ug/kg	137	41.1	1	10/14/15 09:32	10/15/15 11:14	108-95-2	
Pyrene	**<38.4**	ug/kg	128	38.4	1	10/14/15 09:32	10/15/15 11:14	129-00-0	
1,2,4-Trichlorobenzene	**<19.6**	ug/kg	65.2	19.6	1	10/14/15 09:32	10/15/15 11:14	120-82-1	
2,4,5-Trichlorophenol	**<30.6**	ug/kg	102	30.6	1	10/14/15 09:32	10/15/15 11:14	95-95-4	
2,4,6-Trichlorophenol	**<26.4**	ug/kg	88.0	26.4	1	10/14/15 09:32	10/15/15 11:14	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	61	%	45-130		1	10/14/15 09:32	10/15/15 11:14	4165-60-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-18 (0-6)-101215 **Lab ID: 40122748017** Collected: 10/12/15 11:50 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									
2-Fluorobiphenyl (S)	64	%	51-130		1	10/14/15 09:32	10/15/15 11:14	321-60-8	
Terphenyl-d14 (S)	103	%	37-134		1	10/14/15 09:32	10/15/15 11:14	1718-51-0	
Phenol-d6 (S)	70	%	36-130		1	10/14/15 09:32	10/15/15 11:14	13127-88-3	
2-Fluorophenol (S)	56	%	37-130		1	10/14/15 09:32	10/15/15 11:14	367-12-4	
2,4,6-Tribromophenol (S)	71	%	30-130		1	10/14/15 09:32	10/15/15 11:14	118-79-6	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Acetone	**<4.1**	ug/kg	13.0	4.1	1	10/15/15 12:00	10/15/15 09:57	67-64-1	2q
Benzene	**<1.0**	ug/kg	3.3	1.0	1	10/15/15 12:00	10/15/15 09:57	71-43-2	
Bromodichloromethane	**<0.71**	ug/kg	3.3	0.71	1	10/15/15 12:00	10/15/15 09:57	75-27-4	
Bromoform	**<0.55**	ug/kg	3.3	0.55	1	10/15/15 12:00	10/15/15 09:57	75-25-2	
Bromomethane	**<0.97**	ug/kg	6.5	0.97	1	10/15/15 12:00	10/15/15 09:57	74-83-9	
2-Butanone (MEK)	**<1.9**	ug/kg	13.0	1.9	1	10/15/15 12:00	10/15/15 09:57	78-93-3	
Carbon disulfide	**<0.84**	ug/kg	3.3	0.84	1	10/15/15 12:00	10/15/15 09:57	75-15-0	
Carbon tetrachloride	**<1.0**	ug/kg	3.3	1.0	1	10/15/15 12:00	10/15/15 09:57	56-23-5	
Chlorobenzene	**<1.0**	ug/kg	3.3	1.0	1	10/15/15 12:00	10/15/15 09:57	108-90-7	
Chloroethane	**<1.3**	ug/kg	3.3	1.3	1	10/15/15 12:00	10/15/15 09:57	75-00-3	
Chloroform	**<0.62**	ug/kg	3.3	0.62	1	10/15/15 12:00	10/15/15 09:57	67-66-3	
Chloromethane	**<0.37**	ug/kg	3.3	0.37	1	10/15/15 12:00	10/15/15 09:57	74-87-3	
Dibromochloromethane	**<1.1**	ug/kg	3.3	1.1	1	10/15/15 12:00	10/15/15 09:57	124-48-1	
1,1-Dichloroethane	**<1.5**	ug/kg	3.3	1.5	1	10/15/15 12:00	10/15/15 09:57	75-34-3	
1,2-Dichloroethane	**<0.64**	ug/kg	3.3	0.64	1	10/15/15 12:00	10/15/15 09:57	107-06-2	
1,1-Dichloroethene	**<1.5**	ug/kg	3.3	1.5	1	10/15/15 12:00	10/15/15 09:57	75-35-4	
cis-1,2-Dichloroethene	**<0.86**	ug/kg	3.3	0.86	1	10/15/15 12:00	10/15/15 09:57	156-59-2	
trans-1,2-Dichloroethene	**<0.81**	ug/kg	3.3	0.81	1	10/15/15 12:00	10/15/15 09:57	156-60-5	
1,2-Dichloropropane	**<0.82**	ug/kg	3.3	0.82	1	10/15/15 12:00	10/15/15 09:57	78-87-5	
cis-1,3-Dichloropropene	**<0.43**	ug/kg	3.3	0.43	1	10/15/15 12:00	10/15/15 09:57	10061-01-5	
trans-1,3-Dichloropropene	**<0.60**	ug/kg	3.3	0.60	1	10/15/15 12:00	10/15/15 09:57	10061-02-6	
Ethylbenzene	**<0.94**	ug/kg	3.3	0.94	1	10/15/15 12:00	10/15/15 09:57	100-41-4	
2-Hexanone	**<0.96**	ug/kg	3.3	0.96	1	10/15/15 12:00	10/15/15 09:57	591-78-6	
Methylene Chloride	**<1.2**	ug/kg	3.3	1.2	1	10/15/15 12:00	10/15/15 09:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.80**	ug/kg	3.3	0.80	1	10/15/15 12:00	10/15/15 09:57	108-10-1	
Methyl-tert-butyl ether	**<0.65**	ug/kg	3.3	0.65	1	10/15/15 12:00	10/15/15 09:57	1634-04-4	
Styrene	**<0.49**	ug/kg	3.3	0.49	1	10/15/15 12:00	10/15/15 09:57	100-42-5	
1,1,2,2-Tetrachloroethane	**<1.3**	ug/kg	3.3	1.3	1	10/15/15 12:00	10/15/15 09:57	79-34-5	
Tetrachloroethene	**<1.0**	ug/kg	3.3	1.0	1	10/15/15 12:00	10/15/15 09:57	127-18-4	
Toluene	**<0.97**	ug/kg	3.3	0.97	1	10/15/15 12:00	10/15/15 09:57	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/kg	3.3	1.0	1	10/15/15 12:00	10/15/15 09:57	71-55-6	
1,1,2-Trichloroethane	**<1.2**	ug/kg	3.3	1.2	1	10/15/15 12:00	10/15/15 09:57	79-00-5	
Trichloroethene	**<1.3**	ug/kg	3.3	1.3	1	10/15/15 12:00	10/15/15 09:57	79-01-6	
Vinyl chloride	**<0.36**	ug/kg	3.3	0.36	1	10/15/15 12:00	10/15/15 09:57	75-01-4	
Xylene (Total)	**<2.9**	ug/kg	9.8	2.9	1	10/15/15 12:00	10/15/15 09:57	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	100	%	70-130		1	10/15/15 12:00	10/15/15 09:57	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-18 (0-6)-101215 **Lab ID: 40122748017** Collected: 10/12/15 11:50 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
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 09:57	2037-26-5	
4-Bromofluorobenzene (S)	97	%	68-130		1	10/15/15 12:00	10/15/15 09:57	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**3.6**	%	0.10	0.10	1		10/13/15 16:02		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.78**	Std. Units	0.100	0.0100	1		10/14/15 20:00		H6

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-18 (6-12)-101215 **Lab ID: 40122748018** Collected: 10/12/15 12:05 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 Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	**<0.63**	mg/kg	2.0	0.63	2	10/19/15 11:30	10/20/15 13:15	7440-36-0	D3
Arsenic	**4.1**	mg/kg	1.0	0.40	1	10/19/15 11:30	10/20/15 09:56	7440-38-2	
Barium	**10**	mg/kg	1.0	0.058	1	10/19/15 11:30	10/20/15 09:56	7440-39-3	
Beryllium	**0.13**	mg/kg	0.10	0.012	1	10/19/15 11:30	10/20/15 11:41	7440-41-7	
Cadmium	**0.22J**	mg/kg	0.51	0.024	1	10/19/15 11:30	10/20/15 09:56	7440-43-9	
Calcium	**119000**	mg/kg	20.4	2.2	2	10/19/15 11:30	10/20/15 13:15	7440-70-2	
Chromium	**5.3**	mg/kg	0.51	0.064	1	10/19/15 11:30	10/20/15 09:56	7440-47-3	
Cobalt	**2.3**	mg/kg	0.51	0.046	1	10/19/15 11:30	10/20/15 09:56	7440-48-4	
Copper	**7.2**	mg/kg	1.0	0.22	1	10/19/15 11:30	10/20/15 09:56	7440-50-8	
Iron	**6360**	mg/kg	5.1	0.46	1	10/19/15 11:30	10/20/15 11:41	7439-89-6	
Lead	**4.5**	mg/kg	1.0	0.21	1	10/19/15 11:30	10/20/15 09:56	7439-92-1	
Magnesium	**63400**	mg/kg	5.1	0.90	1	10/19/15 11:30	10/20/15 09:56	7439-95-4	
Manganese	**223**	mg/kg	0.51	0.069	1	10/19/15 11:30	10/20/15 09:56	7439-96-5	
Nickel	**6.0**	mg/kg	0.51	0.087	1	10/19/15 11:30	10/20/15 09:56	7440-02-0	
Potassium	**994**	mg/kg	510	51.2	10	10/19/15 11:30	10/20/15 14:58	7440-09-7	
Selenium	**0.93J**	mg/kg	3.1	0.92	2	10/19/15 11:30	10/20/15 13:15	7782-49-2	
Silver	**<0.11**	mg/kg	0.71	0.11	1	10/19/15 11:30	10/20/15 09:56	7440-22-4	
Sodium	**308**	mg/kg	51.0	1.6	1	10/19/15 11:30	10/20/15 09:56	7440-23-5	
Thallium	**<0.31**	mg/kg	2.0	0.31	1	10/19/15 11:30	10/20/15 09:56	7440-28-0	
Vanadium	**8.8**	mg/kg	1.0	0.11	1	10/19/15 11:30	10/20/15 09:56	7440-62-2	
Zinc	**14.4**	mg/kg	10.2	0.58	1	10/19/15 11:30	10/20/15 09:56	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	**<0.0045**	mg/L	0.010	0.0045	1	10/23/15 15:50	10/26/15 13:38	7440-38-2	
Barium	**0.0023J**	mg/L	0.10	0.00052	1	10/23/15 15:50	10/26/15 13:38	7440-39-3	B
Beryllium	**<0.00017**	mg/L	0.0010	0.00017	1	10/23/15 15:50	10/26/15 13:38	7440-41-7	
Cadmium	**<0.00056**	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 13:38	7440-43-9	
Chromium	**0.0021J**	mg/L	0.0050	0.00096	1	10/23/15 15:50	10/26/15 13:38	7440-47-3	B
Cobalt	**<0.00080**	mg/L	0.0050	0.00080	1	10/23/15 15:50	10/26/15 13:38	7440-48-4	
Copper	**0.010**	mg/L	0.010	0.00083	1	10/23/15 15:50	10/26/15 13:38	7440-50-8	B
Iron	**0.044J**	mg/L	0.050	0.0090	1	10/23/15 15:50	10/26/15 13:38	7439-89-6	B
Lead	**<0.0019**	mg/L	0.0050	0.0019	1	10/23/15 15:50	10/26/15 13:38	7439-92-1	
Manganese	**<0.0024**	mg/L	0.0050	0.0024	1	10/23/15 15:50	10/26/15 13:38	7439-96-5	
Nickel	**0.00093J**	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 13:38	7440-02-0	B
Selenium	**<0.0058**	mg/L	0.015	0.0058	1	10/23/15 15:50	10/26/15 13:38	7782-49-2	
Silver	**<0.0011**	mg/L	0.0070	0.0011	1	10/23/15 15:50	10/26/15 13:38	7440-22-4	
Zinc	**0.0054J**	mg/L	0.050	0.0026	1	10/23/15 15:50	10/26/15 13:38	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	**0.0065J**	mg/L	0.050	0.0045	1	10/23/15 15:50	10/26/15 12:24	7440-38-2	B
Barium	**0.19J**	mg/L	0.25	0.00052	1	10/23/15 15:50	10/26/15 12:24	7440-39-3	
Beryllium	**<0.00017**	mg/L	0.0050	0.00017	1	10/23/15 15:50	10/26/15 12:24	7440-41-7	
Cadmium	**0.0024J**	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 12:24	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-18 (6-12)-101215 **Lab ID: 40122748018** Collected: 10/12/15 12:05 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; 10/22/15 00:00								
Chromium	**0.011**	mg/L	0.010	0.00096	1	10/23/15 15:50	10/26/15 12:24	7440-47-3	B
Cobalt	**0.020**	mg/L	0.010	0.00080	1	10/23/15 15:50	10/26/15 12:24	7440-48-4	
Copper	**0.020J**	mg/L	0.020	0.00083	1	10/23/15 15:50	10/26/15 12:24	7440-50-8	B
Iron	**0.089J**	mg/L	0.10	0.0090	1	10/23/15 15:50	10/26/15 12:24	7439-89-6	B
Lead	**<0.0019**	mg/L	0.050	0.0019	1	10/23/15 15:50	10/26/15 12:24	7439-92-1	
Manganese	**5.9**	mg/L	0.010	0.0024	1	10/23/15 15:50	10/26/15 12:24	7439-96-5	
Nickel	**0.051**	mg/L	0.010	0.00056	1	10/23/15 15:50	10/26/15 12:24	7440-02-0	
Selenium	**0.015J**	mg/L	0.10	0.012	2	10/23/15 15:50	10/26/15 12:45	7782-49-2	B
Silver	**<0.0011**	mg/L	0.010	0.0011	1	10/23/15 15:50	10/26/15 12:24	7440-22-4	
Zinc	**0.070J**	mg/L	0.25	0.0026	1	10/23/15 15:50	10/26/15 12:24	7440-66-6	B
7470 Mercury, SPLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Leachate Method/Date: EPA 1312; 10/22/15 00:00								
Mercury	**0.00044J**	mg/L	0.00067	0.00033	1	10/26/15 08:45	10/26/15 14:15	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 13:15	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**<0.0024**	mg/kg	0.047	0.0024	1	10/19/15 10:00	10/19/15 14:58	7439-97-6	
8270 MSSV FULL LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<62.8**	ug/kg	209	62.8	1	10/14/15 09:32	10/14/15 17:48	83-32-9	
Acenaphthylene	**<63.2**	ug/kg	211	63.2	1	10/14/15 09:32	10/14/15 17:48	208-96-8	
Anthracene	**<28.3**	ug/kg	94.4	28.3	1	10/14/15 09:32	10/14/15 17:48	120-12-7	
Benzo(a)anthracene	**<27.4**	ug/kg	91.5	27.4	1	10/14/15 09:32	10/14/15 17:48	56-55-3	
Benzo(a)pyrene	**<26.7**	ug/kg	88.9	26.7	1	10/14/15 09:32	10/14/15 17:48	50-32-8	
Benzo(b)fluoranthene	**<30.4**	ug/kg	101	30.4	1	10/14/15 09:32	10/14/15 17:48	205-99-2	
Benzo(g,h,i)perylene	**<46.4**	ug/kg	155	46.4	1	10/14/15 09:32	10/14/15 17:48	191-24-2	
Benzo(k)fluoranthene	**<42.4**	ug/kg	141	42.4	1	10/14/15 09:32	10/14/15 17:48	207-08-9	
4-Bromophenylphenyl ether	**<37.1**	ug/kg	124	37.1	1	10/14/15 09:32	10/14/15 17:48	101-55-3	
Butylbenzylphthalate	**<28.4**	ug/kg	94.7	28.4	1	10/14/15 09:32	10/14/15 17:48	85-68-7	
Carbazole	**<27.7**	ug/kg	92.5	27.7	1	10/14/15 09:32	10/14/15 17:48	86-74-8	
4-Chloro-3-methylphenol	**<55.1**	ug/kg	184	55.1	1	10/14/15 09:32	10/14/15 17:48	59-50-7	
4-Chloroaniline	**<29.1**	ug/kg	97.1	29.1	1	10/14/15 09:32	10/14/15 17:48	106-47-8	
bis(2-Chloroethoxy)methane	**<47.7**	ug/kg	159	47.7	1	10/14/15 09:32	10/14/15 17:48	111-91-1	
bis(2-Chloroethyl) ether	**<55.3**	ug/kg	184	55.3	1	10/14/15 09:32	10/14/15 17:48	111-44-4	
2-Chloronaphthalene	**<22.7**	ug/kg	75.8	22.7	1	10/14/15 09:32	10/14/15 17:48	91-58-7	
2-Chlorophenol	**<44.2**	ug/kg	147	44.2	1	10/14/15 09:32	10/14/15 17:48	95-57-8	
4-Chlorophenylphenyl ether	**<33.0**	ug/kg	110	33.0	1	10/14/15 09:32	10/14/15 17:48	7005-72-3	
Chrysene	**<26.5**	ug/kg	88.3	26.5	1	10/14/15 09:32	10/14/15 17:48	218-01-9	L2
Dibenz(a,h)anthracene	**<48.1**	ug/kg	160	48.1	1	10/14/15 09:32	10/14/15 17:48	53-70-3	
Dibenzofuran	**<21.4**	ug/kg	71.5	21.4	1	10/14/15 09:32	10/14/15 17:48	132-64-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-18 (6-12)-101215 **Lab ID: 40122748018** Collected: 10/12/15 12:05 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								
1,2-Dichlorobenzene	**<55.7**	ug/kg	186	55.7	1	10/14/15 09:32	10/14/15 17:48	95-50-1	
1,3-Dichlorobenzene	**<24.5**	ug/kg	81.8	24.5	1	10/14/15 09:32	10/14/15 17:48	541-73-1	
1,4-Dichlorobenzene	**<24.7**	ug/kg	82.3	24.7	1	10/14/15 09:32	10/14/15 17:48	106-46-7	
3,3'-Dichlorobenzidine	**<48.1**	ug/kg	160	48.1	1	10/14/15 09:32	10/14/15 17:48	91-94-1	
2,4-Dichlorophenol	**<47.4**	ug/kg	158	47.4	1	10/14/15 09:32	10/14/15 17:48	120-83-2	
Diethylphthalate	**<29.4**	ug/kg	97.9	29.4	1	10/14/15 09:32	10/14/15 17:48	84-66-2	
2,4-Dimethylphenol	**<35.0**	ug/kg	117	35.0	1	10/14/15 09:32	10/14/15 17:48	105-67-9	
Dimethylphthalate	**<23.0**	ug/kg	76.8	23.0	1	10/14/15 09:32	10/14/15 17:48	131-11-3	
Di-n-butylphthalate	**<26.5**	ug/kg	88.3	26.5	1	10/14/15 09:32	10/14/15 17:48	84-74-2	
4,6-Dinitro-2-methylphenol	**<54.6**	ug/kg	182	54.6	1	10/14/15 09:32	10/14/15 17:48	534-52-1	
2,4-Dinitrophenol	**<54.0**	ug/kg	180	54.0	1	10/14/15 09:32	10/14/15 17:48	51-28-5	
2,4-Dinitrotoluene	**<25.3**	ug/kg	84.5	25.3	1	10/14/15 09:32	10/14/15 17:48	121-14-2	
2,6-Dinitrotoluene	**<33.6**	ug/kg	112	33.6	1	10/14/15 09:32	10/14/15 17:48	606-20-2	
Di-n-octylphthalate	**<39.8**	ug/kg	133	39.8	1	10/14/15 09:32	10/14/15 17:48	117-84-0	
bis(2-Ethylhexyl)phthalate	**<29.5**	ug/kg	98.2	29.5	1	10/14/15 09:32	10/14/15 17:48	117-81-7	
Fluoranthene	**<25.1**	ug/kg	83.6	25.1	1	10/14/15 09:32	10/14/15 17:48	206-44-0	
Fluorene	**<20.7**	ug/kg	69.0	20.7	1	10/14/15 09:32	10/14/15 17:48	86-73-7	
Hexachloro-1,3-butadiene	**<45.1**	ug/kg	150	45.1	1	10/14/15 09:32	10/14/15 17:48	87-68-3	
Hexachlorobenzene	**<29.8**	ug/kg	99.3	29.8	1	10/14/15 09:32	10/14/15 17:48	118-74-1	
Hexachlorocyclopentadiene	**<41.9**	ug/kg	140	41.9	1	10/14/15 09:32	10/14/15 17:48	77-47-4	
Hexachloroethane	**<28.4**	ug/kg	94.5	28.4	1	10/14/15 09:32	10/14/15 17:48	67-72-1	
Indeno(1,2,3-cd)pyrene	**<38.3**	ug/kg	128	38.3	1	10/14/15 09:32	10/14/15 17:48	193-39-5	
Isophorone	**<27.2**	ug/kg	90.8	27.2	1	10/14/15 09:32	10/14/15 17:48	78-59-1	
2-Methylnaphthalene	**<46.0**	ug/kg	153	46.0	1	10/14/15 09:32	10/14/15 17:48	91-57-6	
2-Methylphenol(o-Cresol)	**<32.2**	ug/kg	107	32.2	1	10/14/15 09:32	10/14/15 17:48	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<32.5**	ug/kg	108	32.5	1	10/14/15 09:32	10/14/15 17:48		
Naphthalene	**<62.0**	ug/kg	207	62.0	1	10/14/15 09:32	10/14/15 17:48	91-20-3	
2-Nitroaniline	**<50.5**	ug/kg	168	50.5	1	10/14/15 09:32	10/14/15 17:48	88-74-4	
3-Nitroaniline	**<30.1**	ug/kg	100	30.1	1	10/14/15 09:32	10/14/15 17:48	99-09-2	
4-Nitroaniline	**<73.5**	ug/kg	245	73.5	1	10/14/15 09:32	10/14/15 17:48	100-01-6	
Nitrobenzene	**<35.9**	ug/kg	120	35.9	1	10/14/15 09:32	10/14/15 17:48	98-95-3	
2-Nitrophenol	**<55.9**	ug/kg	186	55.9	1	10/14/15 09:32	10/14/15 17:48	88-75-5	
4-Nitrophenol	**<44.6**	ug/kg	149	44.6	1	10/14/15 09:32	10/14/15 17:48	100-02-7	
N-Nitroso-di-n-propylamine	**<28.1**	ug/kg	93.7	28.1	1	10/14/15 09:32	10/14/15 17:48	621-64-7	
N-Nitrosodiphenylamine	**<240**	ug/kg	801	240	1	10/14/15 09:32	10/14/15 17:48	86-30-6	
2,2'-Oxybis(1-chloropropane)	**<45.7**	ug/kg	152	45.7	1	10/14/15 09:32	10/14/15 17:48	108-60-1	
Pentachlorophenol	**<39.0**	ug/kg	130	39.0	1	10/14/15 09:32	10/14/15 17:48	87-86-5	
Phenanthrene	**<22.7**	ug/kg	75.8	22.7	1	10/14/15 09:32	10/14/15 17:48	85-01-8	
Phenol	**<42.1**	ug/kg	140	42.1	1	10/14/15 09:32	10/14/15 17:48	108-95-2	
Pyrene	**<39.3**	ug/kg	131	39.3	1	10/14/15 09:32	10/14/15 17:48	129-00-0	
1,2,4-Trichlorobenzene	**<20.0**	ug/kg	66.8	20.0	1	10/14/15 09:32	10/14/15 17:48	120-82-1	
2,4,5-Trichlorophenol	**<31.3**	ug/kg	104	31.3	1	10/14/15 09:32	10/14/15 17:48	95-95-4	
2,4,6-Trichlorophenol	**<27.0**	ug/kg	90.1	27.0	1	10/14/15 09:32	10/14/15 17:48	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	59	%	45-130		1	10/14/15 09:32	10/14/15 17:48	4165-60-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-18 (6-12)-101215 **Lab ID: 40122748018** Collected: 10/12/15 12:05 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									
2-Fluorobiphenyl (S)	61	%	51-130		1	10/14/15 09:32	10/14/15 17:48	321-60-8	
Terphenyl-d14 (S)	71	%	37-134		1	10/14/15 09:32	10/14/15 17:48	1718-51-0	
Phenol-d6 (S)	60	%	36-130		1	10/14/15 09:32	10/14/15 17:48	13127-88-3	
2-Fluorophenol (S)	57	%	37-130		1	10/14/15 09:32	10/14/15 17:48	367-12-4	
2,4,6-Tribromophenol (S)	58	%	30-130		1	10/14/15 09:32	10/14/15 17:48	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	10/15/15 12:00	10/15/15 10:19	67-64-1	2q
Benzene	**<1.1**	ug/kg	3.3	1.1	1	10/15/15 12:00	10/15/15 10:19	71-43-2	
Bromodichloromethane	**<0.73**	ug/kg	3.3	0.73	1	10/15/15 12:00	10/15/15 10:19	75-27-4	
Bromoform	**<0.57**	ug/kg	3.3	0.57	1	10/15/15 12:00	10/15/15 10:19	75-25-2	
Bromomethane	**<1.0**	ug/kg	6.7	1.0	1	10/15/15 12:00	10/15/15 10:19	74-83-9	
2-Butanone (MEK)	**<1.9**	ug/kg	13.4	1.9	1	10/15/15 12:00	10/15/15 10:19	78-93-3	
Carbon disulfide	**<0.86**	ug/kg	3.3	0.86	1	10/15/15 12:00	10/15/15 10:19	75-15-0	
Carbon tetrachloride	**<1.1**	ug/kg	3.3	1.1	1	10/15/15 12:00	10/15/15 10:19	56-23-5	
Chlorobenzene	**<1.1**	ug/kg	3.3	1.1	1	10/15/15 12:00	10/15/15 10:19	108-90-7	
Chloroethane	**<1.3**	ug/kg	3.3	1.3	1	10/15/15 12:00	10/15/15 10:19	75-00-3	
Chloroform	**<0.63**	ug/kg	3.3	0.63	1	10/15/15 12:00	10/15/15 10:19	67-66-3	
Chloromethane	**<0.38**	ug/kg	3.3	0.38	1	10/15/15 12:00	10/15/15 10:19	74-87-3	
Dibromochloromethane	**<1.1**	ug/kg	3.3	1.1	1	10/15/15 12:00	10/15/15 10:19	124-48-1	
1,1-Dichloroethane	**<1.6**	ug/kg	3.3	1.6	1	10/15/15 12:00	10/15/15 10:19	75-34-3	
1,2-Dichloroethane	**<0.66**	ug/kg	3.3	0.66	1	10/15/15 12:00	10/15/15 10:19	107-06-2	
1,1-Dichloroethene	**<1.5**	ug/kg	3.3	1.5	1	10/15/15 12:00	10/15/15 10:19	75-35-4	
cis-1,2-Dichloroethene	**<0.89**	ug/kg	3.3	0.89	1	10/15/15 12:00	10/15/15 10:19	156-59-2	
trans-1,2-Dichloroethene	**<0.83**	ug/kg	3.3	0.83	1	10/15/15 12:00	10/15/15 10:19	156-60-5	
1,2-Dichloropropane	**<0.84**	ug/kg	3.3	0.84	1	10/15/15 12:00	10/15/15 10:19	78-87-5	
cis-1,3-Dichloropropene	**<0.45**	ug/kg	3.3	0.45	1	10/15/15 12:00	10/15/15 10:19	10061-01-5	
trans-1,3-Dichloropropene	**<0.62**	ug/kg	3.3	0.62	1	10/15/15 12:00	10/15/15 10:19	10061-02-6	
Ethylbenzene	**<0.96**	ug/kg	3.3	0.96	1	10/15/15 12:00	10/15/15 10:19	100-41-4	
2-Hexanone	**<0.99**	ug/kg	3.3	0.99	1	10/15/15 12:00	10/15/15 10:19	591-78-6	
Methylene Chloride	**<1.2**	ug/kg	3.3	1.2	1	10/15/15 12:00	10/15/15 10:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.82**	ug/kg	3.3	0.82	1	10/15/15 12:00	10/15/15 10:19	108-10-1	
Methyl-tert-butyl ether	**<0.67**	ug/kg	3.3	0.67	1	10/15/15 12:00	10/15/15 10:19	1634-04-4	
Styrene	**<0.51**	ug/kg	3.3	0.51	1	10/15/15 12:00	10/15/15 10:19	100-42-5	
1,1,2,2-Tetrachloroethane	**<1.4**	ug/kg	3.3	1.4	1	10/15/15 12:00	10/15/15 10:19	79-34-5	
Tetrachloroethene	**<1.0**	ug/kg	3.3	1.0	1	10/15/15 12:00	10/15/15 10:19	127-18-4	
Toluene	**<0.99**	ug/kg	3.3	0.99	1	10/15/15 12:00	10/15/15 10:19	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/kg	3.3	1.0	1	10/15/15 12:00	10/15/15 10:19	71-55-6	
1,1,2-Trichloroethane	**<1.3**	ug/kg	3.3	1.3	1	10/15/15 12:00	10/15/15 10:19	79-00-5	
Trichloroethene	**<1.3**	ug/kg	3.3	1.3	1	10/15/15 12:00	10/15/15 10:19	79-01-6	
Vinyl chloride	**<0.37**	ug/kg	3.3	0.37	1	10/15/15 12:00	10/15/15 10:19	75-01-4	
Xylene (Total)	**<3.0**	ug/kg	10.0	3.0	1	10/15/15 12:00	10/15/15 10:19	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	106	%	70-130		1	10/15/15 12:00	10/15/15 10:19	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-18 (6-12)-101215 **Lab ID: 40122748018** Collected: 10/12/15 12:05 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
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	104	%	67-138		1	10/15/15 12:00	10/15/15 10:19	2037-26-5	
4-Bromofluorobenzene (S)	95	%	68-130		1	10/15/15 12:00	10/15/15 10:19	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.8**	%	0.10	0.10	1		10/13/15 16:02		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.85**	Std. Units	0.100	0.0100	1		10/14/15 20:00		H6

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-18 (12-15)-101215 **Lab ID: 40122748019** Collected: 10/12/15 12:25 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 Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	**0.83J**	mg/kg	1.7	0.53	2	10/19/15 11:30	10/20/15 13:19	7440-36-0	
Arsenic	**3.7**	mg/kg	0.85	0.34	1	10/19/15 11:30	10/20/15 10:00	7440-38-2	
Barium	**13.9**	mg/kg	0.85	0.048	1	10/19/15 11:30	10/20/15 10:00	7440-39-3	
Beryllium	**0.095**	mg/kg	0.085	0.0098	1	10/19/15 11:30	10/20/15 11:45	7440-41-7	
Cadmium	**0.23J**	mg/kg	0.43	0.020	1	10/19/15 11:30	10/20/15 10:00	7440-43-9	
Calcium	**167000**	mg/kg	17.1	1.9	2	10/19/15 11:30	10/20/15 13:19	7440-70-2	
Chromium	**4.8**	mg/kg	0.43	0.053	1	10/19/15 11:30	10/20/15 10:00	7440-47-3	
Cobalt	**1.8**	mg/kg	0.43	0.039	1	10/19/15 11:30	10/20/15 10:00	7440-48-4	
Copper	**5.5**	mg/kg	0.85	0.19	1	10/19/15 11:30	10/20/15 10:00	7440-50-8	
Iron	**7850**	mg/kg	4.3	0.38	1	10/19/15 11:30	10/20/15 11:45	7439-89-6	
Lead	**3.4**	mg/kg	0.85	0.17	1	10/19/15 11:30	10/20/15 10:00	7439-92-1	
Magnesium	**76300**	mg/kg	4.3	0.75	1	10/19/15 11:30	10/20/15 10:00	7439-95-4	
Manganese	**416**	mg/kg	0.43	0.058	1	10/19/15 11:30	10/20/15 10:00	7439-96-5	
Nickel	**4.3**	mg/kg	0.43	0.072	1	10/19/15 11:30	10/20/15 10:00	7440-02-0	
Potassium	**835**	mg/kg	427	42.8	10	10/19/15 11:30	10/20/15 15:02	7440-09-7	
Selenium	**1.5J**	mg/kg	2.6	0.77	2	10/19/15 11:30	10/20/15 13:19	7782-49-2	
Silver	**<0.088**	mg/kg	0.60	0.088	1	10/19/15 11:30	10/20/15 10:00	7440-22-4	
Sodium	**438**	mg/kg	42.7	1.3	1	10/19/15 11:30	10/20/15 10:00	7440-23-5	
Thallium	**<0.26**	mg/kg	1.7	0.26	1	10/19/15 11:30	10/20/15 10:00	7440-28-0	
Vanadium	**7.3**	mg/kg	0.85	0.091	1	10/19/15 11:30	10/20/15 10:00	7440-62-2	
Zinc	**13.0**	mg/kg	8.5	0.48	1	10/19/15 11:30	10/20/15 10:00	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	**<0.0045**	mg/L	0.010	0.0045	1	10/23/15 15:50	10/26/15 13:41	7440-38-2	
Barium	**0.0025J**	mg/L	0.10	0.00052	1	10/23/15 15:50	10/26/15 13:41	7440-39-3	B
Beryllium	**<0.00017**	mg/L	0.0010	0.00017	1	10/23/15 15:50	10/26/15 13:41	7440-41-7	
Cadmium	**<0.00056**	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 13:41	7440-43-9	
Chromium	**0.0034J**	mg/L	0.0050	0.00096	1	10/23/15 15:50	10/26/15 13:41	7440-47-3	B
Cobalt	**<0.00080**	mg/L	0.0050	0.00080	1	10/23/15 15:50	10/26/15 13:41	7440-48-4	
Copper	**0.0013J**	mg/L	0.010	0.00083	1	10/23/15 15:50	10/26/15 13:41	7440-50-8	B
Iron	**0.027J**	mg/L	0.050	0.0090	1	10/23/15 15:50	10/26/15 13:41	7439-89-6	B
Lead	**<0.0019**	mg/L	0.0050	0.0019	1	10/23/15 15:50	10/26/15 13:41	7439-92-1	
Manganese	**<0.0024**	mg/L	0.0050	0.0024	1	10/23/15 15:50	10/26/15 13:41	7439-96-5	
Nickel	**0.0015J**	mg/L	0.0050	0.00056	1	10/23/15 15:50	10/26/15 13:41	7440-02-0	B
Selenium	**<0.0058**	mg/L	0.015	0.0058	1	10/23/15 15:50	10/26/15 13:41	7782-49-2	
Silver	**<0.0011**	mg/L	0.0070	0.0011	1	10/23/15 15:50	10/26/15 13:41	7440-22-4	
Zinc	**<0.0026**	mg/L	0.050	0.0026	1	10/23/15 15:50	10/26/15 13:41	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	**0.015J**	mg/L	0.050	0.0045	1	10/27/15 09:45	10/27/15 16:23	7440-38-2	B
Barium	**0.19J**	mg/L	0.25	0.00052	1	10/27/15 09:45	10/27/15 16:23	7440-39-3	
Beryllium	**<0.00017**	mg/L	0.0050	0.00017	1	10/27/15 09:45	10/27/15 16:23	7440-41-7	
Cadmium	**0.0028J**	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 16:23	7440-43-9	B

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-18 (12-15)-101215 **Lab ID: 40122748019** Collected: 10/12/15 12:25 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; 10/25/15 00:00								
Chromium	**0.0025J**	mg/L	0.010	0.00096	1	10/27/15 09:45	10/27/15 16:23	7440-47-3	B
Cobalt	**0.022**	mg/L	0.010	0.00080	1	10/27/15 09:45	10/27/15 16:23	7440-48-4	
Copper	**0.011J**	mg/L	0.020	0.00083	1	10/27/15 09:45	10/28/15 11:41	7440-50-8	B
Iron	**0.11**	mg/L	0.10	0.0090	1	10/27/15 09:45	10/27/15 16:23	7439-89-6	B
Lead	**0.0020J**	mg/L	0.050	0.0019	1	10/27/15 09:45	10/27/15 16:23	7439-92-1	
Manganese	**5.6**	mg/L	0.010	0.0024	1	10/27/15 09:45	10/27/15 16:23	7439-96-5	
Nickel	**0.045**	mg/L	0.010	0.00056	1	10/27/15 09:45	10/27/15 16:23	7440-02-0	B
Selenium	**<0.0058**	mg/L	0.050	0.0058	1	10/27/15 09:45	10/27/15 16:23	7782-49-2	B
Silver	**<0.0011**	mg/L	0.010	0.0011	1	10/27/15 09:45	10/27/15 16:23	7440-22-4	
Zinc	**0.053J**	mg/L	0.25	0.0026	1	10/27/15 09:45	10/27/15 16:23	7440-66-6	B
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 14:17	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 14:55	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0070J**	mg/kg	0.049	0.0025	1	10/19/15 10:00	10/19/15 15:00	7439-97-6	
8270 MSSV FULL LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<61.6**	ug/kg	205	61.6	1	10/14/15 10:45	10/16/15 10:44	83-32-9	
Acenaphthylene	**<62.0**	ug/kg	207	62.0	1	10/14/15 10:45	10/16/15 10:44	208-96-8	
Anthracene	**<27.8**	ug/kg	92.6	27.8	1	10/14/15 10:45	10/16/15 10:44	120-12-7	
Benzo(a)anthracene	**<26.9**	ug/kg	89.7	26.9	1	10/14/15 10:45	10/16/15 10:44	56-55-3	
Benzo(a)pyrene	**<26.2**	ug/kg	87.2	26.2	1	10/14/15 10:45	10/16/15 10:44	50-32-8	
Benzo(b)fluoranthene	**<29.9**	ug/kg	99.6	29.9	1	10/14/15 10:45	10/16/15 10:44	205-99-2	
Benzo(g,h,i)perylene	**<45.5**	ug/kg	152	45.5	1	10/14/15 10:45	10/16/15 10:44	191-24-2	
Benzo(k)fluoranthene	**<41.6**	ug/kg	139	41.6	1	10/14/15 10:45	10/16/15 10:44	207-08-9	
4-Bromophenylphenyl ether	**<36.4**	ug/kg	121	36.4	1	10/14/15 10:45	10/16/15 10:44	101-55-3	
Butylbenzylphthalate	**<27.9**	ug/kg	92.9	27.9	1	10/14/15 10:45	10/16/15 10:44	85-68-7	
Carbazole	**<27.2**	ug/kg	90.7	27.2	1	10/14/15 10:45	10/16/15 10:44	86-74-8	
4-Chloro-3-methylphenol	**<54.1**	ug/kg	180	54.1	1	10/14/15 10:45	10/16/15 10:44	59-50-7	
4-Chloroaniline	**<28.6**	ug/kg	95.2	28.6	1	10/14/15 10:45	10/16/15 10:44	106-47-8	
bis(2-Chloroethoxy)methane	**<46.8**	ug/kg	156	46.8	1	10/14/15 10:45	10/16/15 10:44	111-91-1	
bis(2-Chloroethyl) ether	**<54.3**	ug/kg	181	54.3	1	10/14/15 10:45	10/16/15 10:44	111-44-4	
2-Chloronaphthalene	**<22.3**	ug/kg	74.4	22.3	1	10/14/15 10:45	10/16/15 10:44	91-58-7	
2-Chlorophenol	**<43.4**	ug/kg	145	43.4	1	10/14/15 10:45	10/16/15 10:44	95-57-8	
4-Chlorophenylphenyl ether	**<32.4**	ug/kg	108	32.4	1	10/14/15 10:45	10/16/15 10:44	7005-72-3	
Chrysene	**<26.0**	ug/kg	86.6	26.0	1	10/14/15 10:45	10/16/15 10:44	218-01-9	L2
Dibenz(a,h)anthracene	**<47.2**	ug/kg	157	47.2	1	10/14/15 10:45	10/16/15 10:44	53-70-3	
Dibenzofuran	**<21.0**	ug/kg	70.1	21.0	1	10/14/15 10:45	10/16/15 10:44	132-64-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-18 (12-15)-101215 **Lab ID: 40122748019** Collected: 10/12/15 12:25 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								
1,2-Dichlorobenzene	**<54.7**	ug/kg	182	54.7	1	10/14/15 10:45	10/16/15 10:44	95-50-1	
1,3-Dichlorobenzene	**<24.1**	ug/kg	80.2	24.1	1	10/14/15 10:45	10/16/15 10:44	541-73-1	
1,4-Dichlorobenzene	**<24.2**	ug/kg	80.7	24.2	1	10/14/15 10:45	10/16/15 10:44	106-46-7	
3,3'-Dichlorobenzidine	**<47.2**	ug/kg	157	47.2	1	10/14/15 10:45	10/16/15 10:44	91-94-1	
2,4-Dichlorophenol	**<46.5**	ug/kg	155	46.5	1	10/14/15 10:45	10/16/15 10:44	120-83-2	
Diethylphthalate	**<28.8**	ug/kg	96.1	28.8	1	10/14/15 10:45	10/16/15 10:44	84-66-2	
2,4-Dimethylphenol	**<34.4**	ug/kg	115	34.4	1	10/14/15 10:45	10/16/15 10:44	105-67-9	
Dimethylphthalate	**<22.6**	ug/kg	75.4	22.6	1	10/14/15 10:45	10/16/15 10:44	131-11-3	
Di-n-butylphthalate	**<26.0**	ug/kg	86.6	26.0	1	10/14/15 10:45	10/16/15 10:44	84-74-2	
4,6-Dinitro-2-methylphenol	**<53.6**	ug/kg	179	53.6	1	10/14/15 10:45	10/16/15 10:44	534-52-1	
2,4-Dinitrophenol	**<53.0**	ug/kg	177	53.0	1	10/14/15 10:45	10/16/15 10:44	51-28-5	
2,4-Dinitrotoluene	**<24.9**	ug/kg	82.9	24.9	1	10/14/15 10:45	10/16/15 10:44	121-14-2	
2,6-Dinitrotoluene	**<33.0**	ug/kg	110	33.0	1	10/14/15 10:45	10/16/15 10:44	606-20-2	
Di-n-octylphthalate	**<39.1**	ug/kg	130	39.1	1	10/14/15 10:45	10/16/15 10:44	117-84-0	
bis(2-Ethylhexyl)phthalate	**<28.9**	ug/kg	96.4	28.9	1	10/14/15 10:45	10/16/15 10:44	117-81-7	
Fluoranthene	**<24.6**	ug/kg	82.0	24.6	1	10/14/15 10:45	10/16/15 10:44	206-44-0	
Fluorene	**<20.3**	ug/kg	67.7	20.3	1	10/14/15 10:45	10/16/15 10:44	86-73-7	
Hexachloro-1,3-butadiene	**<44.3**	ug/kg	148	44.3	1	10/14/15 10:45	10/16/15 10:44	87-68-3	
Hexachlorobenzene	**<29.2**	ug/kg	97.5	29.2	1	10/14/15 10:45	10/16/15 10:44	118-74-1	
Hexachlorocyclopentadiene	**<41.1**	ug/kg	137	41.1	1	10/14/15 10:45	10/16/15 10:44	77-47-4	
Hexachloroethane	**<27.8**	ug/kg	92.7	27.8	1	10/14/15 10:45	10/16/15 10:44	67-72-1	
Indeno(1,2,3-cd)pyrene	**<37.6**	ug/kg	125	37.6	1	10/14/15 10:45	10/16/15 10:44	193-39-5	
Isophorone	**<26.7**	ug/kg	89.1	26.7	1	10/14/15 10:45	10/16/15 10:44	78-59-1	
2-Methylnaphthalene	**<45.1**	ug/kg	150	45.1	1	10/14/15 10:45	10/16/15 10:44	91-57-6	
2-Methylphenol(o-Cresol)	**<31.6**	ug/kg	105	31.6	1	10/14/15 10:45	10/16/15 10:44	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<31.9**	ug/kg	106	31.9	1	10/14/15 10:45	10/16/15 10:44		
Naphthalene	**<60.8**	ug/kg	203	60.8	1	10/14/15 10:45	10/16/15 10:44	91-20-3	
2-Nitroaniline	**<49.5**	ug/kg	165	49.5	1	10/14/15 10:45	10/16/15 10:44	88-74-4	
3-Nitroaniline	**<29.6**	ug/kg	98.5	29.6	1	10/14/15 10:45	10/16/15 10:44	99-09-2	
4-Nitroaniline	**<72.1**	ug/kg	240	72.1	1	10/14/15 10:45	10/16/15 10:44	100-01-6	
Nitrobenzene	**<35.3**	ug/kg	118	35.3	1	10/14/15 10:45	10/16/15 10:44	98-95-3	
2-Nitrophenol	**<54.9**	ug/kg	183	54.9	1	10/14/15 10:45	10/16/15 10:44	88-75-5	
4-Nitrophenol	**<43.8**	ug/kg	146	43.8	1	10/14/15 10:45	10/16/15 10:44	100-02-7	
N-Nitroso-di-n-propylamine	**<27.6**	ug/kg	91.9	27.6	1	10/14/15 10:45	10/16/15 10:44	621-64-7	
N-Nitrosodiphenylamine	**<236**	ug/kg	786	236	1	10/14/15 10:45	10/16/15 10:44	86-30-6	
2,2'-Oxybis(1-chloropropane)	**<44.8**	ug/kg	149	44.8	1	10/14/15 10:45	10/16/15 10:44	108-60-1	
Pentachlorophenol	**<38.3**	ug/kg	128	38.3	1	10/14/15 10:45	10/16/15 10:44	87-86-5	
Phenanthrene	**<22.3**	ug/kg	74.3	22.3	1	10/14/15 10:45	10/16/15 10:44	85-01-8	
Phenol	**<41.3**	ug/kg	138	41.3	1	10/14/15 10:45	10/16/15 10:44	108-95-2	
Pyrene	**<38.5**	ug/kg	128	38.5	1	10/14/15 10:45	10/16/15 10:44	129-00-0	
1,2,4-Trichlorobenzene	**<19.7**	ug/kg	65.5	19.7	1	10/14/15 10:45	10/16/15 10:44	120-82-1	
2,4,5-Trichlorophenol	**<30.7**	ug/kg	102	30.7	1	10/14/15 10:45	10/16/15 10:44	95-95-4	
2,4,6-Trichlorophenol	**<26.5**	ug/kg	88.3	26.5	1	10/14/15 10:45	10/16/15 10:44	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	68	%	45-130		1	10/14/15 10:45	10/16/15 10:44	4165-60-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-18 (12-15)-101215 **Lab ID: 40122748019** Collected: 10/12/15 12:25 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									
2-Fluorobiphenyl (S)	72	%	51-130		1	10/14/15 10:45	10/16/15 10:44	321-60-8	
Terphenyl-d14 (S)	72	%	37-134		1	10/14/15 10:45	10/16/15 10:44	1718-51-0	
Phenol-d6 (S)	63	%	36-130		1	10/14/15 10:45	10/16/15 10:44	13127-88-3	
2-Fluorophenol (S)	62	%	37-130		1	10/14/15 10:45	10/16/15 10:44	367-12-4	
2,4,6-Tribromophenol (S)	53	%	30-130		1	10/14/15 10:45	10/16/15 10:44	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	10/15/15 12:00	10/15/15 10:42	67-64-1	2q
Benzene	**<1.0**	ug/kg	3.1	1.0	1	10/15/15 12:00	10/15/15 10:42	71-43-2	
Bromodichloromethane	**<0.69**	ug/kg	3.1	0.69	1	10/15/15 12:00	10/15/15 10:42	75-27-4	
Bromoform	**<0.53**	ug/kg	3.1	0.53	1	10/15/15 12:00	10/15/15 10:42	75-25-2	
Bromomethane	**<0.94**	ug/kg	6.3	0.94	1	10/15/15 12:00	10/15/15 10:42	74-83-9	
2-Butanone (MEK)	**<1.8**	ug/kg	12.5	1.8	1	10/15/15 12:00	10/15/15 10:42	78-93-3	
Carbon disulfide	**<0.81**	ug/kg	3.1	0.81	1	10/15/15 12:00	10/15/15 10:42	75-15-0	
Carbon tetrachloride	**<0.99**	ug/kg	3.1	0.99	1	10/15/15 12:00	10/15/15 10:42	56-23-5	
Chlorobenzene	**<0.99**	ug/kg	3.1	0.99	1	10/15/15 12:00	10/15/15 10:42	108-90-7	
Chloroethane	**<1.3**	ug/kg	3.1	1.3	1	10/15/15 12:00	10/15/15 10:42	75-00-3	
Chloroform	**<0.59**	ug/kg	3.1	0.59	1	10/15/15 12:00	10/15/15 10:42	67-66-3	
Chloromethane	**<0.35**	ug/kg	3.1	0.35	1	10/15/15 12:00	10/15/15 10:42	74-87-3	
Dibromochloromethane	**<1.1**	ug/kg	3.1	1.1	1	10/15/15 12:00	10/15/15 10:42	124-48-1	
1,1-Dichloroethane	**<1.5**	ug/kg	3.1	1.5	1	10/15/15 12:00	10/15/15 10:42	75-34-3	
1,2-Dichloroethane	**<0.61**	ug/kg	3.1	0.61	1	10/15/15 12:00	10/15/15 10:42	107-06-2	
1,1-Dichloroethene	**<1.4**	ug/kg	3.1	1.4	1	10/15/15 12:00	10/15/15 10:42	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/kg	3.1	0.83	1	10/15/15 12:00	10/15/15 10:42	156-59-2	
trans-1,2-Dichloroethene	**<0.78**	ug/kg	3.1	0.78	1	10/15/15 12:00	10/15/15 10:42	156-60-5	
1,2-Dichloropropane	**<0.79**	ug/kg	3.1	0.79	1	10/15/15 12:00	10/15/15 10:42	78-87-5	
cis-1,3-Dichloropropene	**<0.42**	ug/kg	3.1	0.42	1	10/15/15 12:00	10/15/15 10:42	10061-01-5	
trans-1,3-Dichloropropene	**<0.58**	ug/kg	3.1	0.58	1	10/15/15 12:00	10/15/15 10:42	10061-02-6	
Ethylbenzene	**<0.90**	ug/kg	3.1	0.90	1	10/15/15 12:00	10/15/15 10:42	100-41-4	
2-Hexanone	**<0.93**	ug/kg	3.1	0.93	1	10/15/15 12:00	10/15/15 10:42	591-78-6	
Methylene Chloride	**<1.2**	ug/kg	3.1	1.2	1	10/15/15 12:00	10/15/15 10:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.77**	ug/kg	3.1	0.77	1	10/15/15 12:00	10/15/15 10:42	108-10-1	
Methyl-tert-butyl ether	**<0.63**	ug/kg	3.1	0.63	1	10/15/15 12:00	10/15/15 10:42	1634-04-4	
Styrene	**<0.48**	ug/kg	3.1	0.48	1	10/15/15 12:00	10/15/15 10:42	100-42-5	
1,1,2,2-Tetrachloroethane	**<1.3**	ug/kg	3.1	1.3	1	10/15/15 12:00	10/15/15 10:42	79-34-5	
Tetrachloroethene	**<0.98**	ug/kg	3.1	0.98	1	10/15/15 12:00	10/15/15 10:42	127-18-4	
Toluene	**<0.93**	ug/kg	3.1	0.93	1	10/15/15 12:00	10/15/15 10:42	108-88-3	
1,1,1-Trichloroethane	**<0.97**	ug/kg	3.1	0.97	1	10/15/15 12:00	10/15/15 10:42	71-55-6	
1,1,2-Trichloroethane	**<1.2**	ug/kg	3.1	1.2	1	10/15/15 12:00	10/15/15 10:42	79-00-5	
Trichloroethene	**<1.2**	ug/kg	3.1	1.2	1	10/15/15 12:00	10/15/15 10:42	79-01-6	
Vinyl chloride	**<0.34**	ug/kg	3.1	0.34	1	10/15/15 12:00	10/15/15 10:42	75-01-4	
Xylene (Total)	**<2.8**	ug/kg	9.4	2.8	1	10/15/15 12:00	10/15/15 10:42	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	103	%	70-130		1	10/15/15 12:00	10/15/15 10:42	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122748

Sample: SR-18 (12-15)-101215 **Lab ID: 40122748019** Collected: 10/12/15 12:25 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
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 10:42	2037-26-5	
4-Bromofluorobenzene (S)	93	%	68-130		1	10/15/15 12:00	10/15/15 10:42	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.0**	%	0.10	0.10	1		10/13/15 16:02		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.85**	Std. Units	0.100	0.0100	1		10/14/15 20:00		H6

REPORT OF LABORATORY ANALYSIS

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

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

40122748

SKW

(Please Print Clearly)	
Company Name:	EDI
Branch/Location:	
Project Contact:	Patricia/Colin
Phone:	312 345 1400
Project Number:	0295.020
Project Name:	FAI 55
Project State:	IL
Sampled By (Print):	Colin Purrington
Sampled By (Sign):	
PO #:	Regulatory Program:

*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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOCs	SVOCs	Total Metals	TCLP metals	SPLP metals	pH	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	SR-16 (0-7) - 101215	10/12/15	1025	SO1										3-40ml vEEF 3-4oz A	
002	SR-16 (7-15) - 101215		1050												
003	SR-16 (15-23) - 101215		1015												
004	SR-15 (0-8) - 101215		1215												
005	SR-15 (8-16) - 101215		1235												
006	SR-15 (16-24) - 101215		1245												
007	VL3-4 (0-2) - 101215		1310												
008	VL3-3 (0-4) - 101215		1330												
009	VL3-2 (0-4) - 101215		1350												
010	VL3-1 (0-6) - 101215		1430												
011	VL3-1 (6-12) - 101215		1450												
012	VL15-1 (0-5) - 101215		1515												
013	VL15-1 (5-9) - 101215		1530												

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:	Received By:	Date/Time:
	10/12/15 1535	Brian Kingsmill	10/12/15 1535
Brian Kingsmill	10/12/15 1700	CS Logistics	10/12/15
CS Logistics	10/13/15 0750	Anna Pace	10/13/15 0750

PACE Project No.: 40122748

Receipt Temp = 20.5 0.0 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal: Present / Not Present; Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

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

Page 1 of

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

(Please Print Clearly)	
Company Name:	
Branch/Location:	
Project Contact:	
Phone:	
Project Number:	~~IDOT 035-USL~~
Project Name:	IDOT 035 - USL6
Project State:	Illinois
Sampled By (Print):	M Doheny-Skubic
Sampled By (Sign):	
PO #:	Regulatory Program:

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

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, 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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	VOCs	SVOCs	Total Metals	SPLP Metals	TCLP Metals	pH	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
014	SR-17(0-7)-101215	10-12-15	1025	S	N	EA	X	X	X	X	X	X		3-40mlV EF 3-4ozcg A	
015	SR-17(0-7)-101215D	10-12-15	1025	S	N	A	X	X	X	X	X	X			
016	SR-17(7-15)-101215	10-12-15	1050	S	N	A	X	X	X	X	X	X			
017	SR-18(0-6)-101215	10-12-15	1150	S	N	A	X	X	X	X	X	X			
018	SR-18(6-12)-101215	10-12-15	1205	S	N	A	X	X	X	X	X	X			
019	SR-18(12-15)-101215	10-12-15	1225	S	N	A	X	X	X	X	X	X			
020	SR-19(0-6)-101215	10-12-15	1255	S	N	A	X	X	X	X	X	X			
021	SR-19(6-12)-101215	10-12-15	1320	S	N	A	X	X	X	X	X	X			
022	SR-19(12-14)-101215	10-12-15	1330	S	N	A	X	X	X	X	X	X			
*														LAST ITEM	
														MS	
														MSD	
														MDS	

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:	Received By:	Date/Time:
[signature]	10-12-15 1545	[signature]	10/12/15 1745
[signature]	10/12/15 1700	[signature]	10/12/15
CS Logistics	10/13/15 0950	[signature] Pace	10/13/15 0950

PACE Project No.
40122748

Receipt Temp = 3.0 -0.1 °C

Sample Receipt pH
OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0, 06/14/06

C019a(27Jun2006)

ORIGINAL

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

Pace Analytical®
www.pacelabs.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

(Please Print Clearly)	
Company Name:	
Branch/Location:	
Project Contact:	
Phone:	
Project Number:	0
Project Name:	IDOT 035-US6 @ I-55
Project State:	Illinois
Sampled By (Print):	Margaret Doheny Skibic
Sampled By (Sign):	
PO #:	Regulatory Program:

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

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, 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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	VOCs	SVOCs	TOTAL Metals	TCLP Metals	SPLP Metals	pH
033	VL2-1(0-5)-101215	10-12-15	1410	S	N	F	X	X	X	X	X	X
034	VL2-1(5-9)-101215	10-12-15	1420	S	N	A	X	X	X	X	X	X
035	AL2-13(0-5)-101215	10-12-15	1440	S	N	A	X	X	X	X	X	X
036	AL2-13(0-5)-101215D	10-12-15	1440	S	N	A	X	X	X	X	X	X
037	AL2-13(5-9)-101215	10-12-15	1455	S	N	A	X	X	X	X	X	X
038	AL2-14(0-5)-101215	10-12-15	1510	S	N	A	X	X	X	X	X	X
	~~AL2-14(5-9)~~											
039	AL2-14(5-9)-101215	10-12-15	1520	S	N	A	X	X	X	X	X	X
040	AL2-15(0-5)-101215	10-12-15	1525	S	N	A	X	X	X	X	X	X
041	AL2-15(5-9)-101215	10-12-15	1530	S	N	A	X	X	X	X	X	X

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	3-40mL VOA 3-40mL MS MSD 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:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	10-12-15 1525		10/12/15 1525
	10/12/15 1700		10/12/15
	10/13/15 0950		10/13/15 0950

PACE Project No.: 40127748
Receipt Temp = 2.0, 2.0 °C
Sample Receipt pH: OK / Adjusted
Cooler Custody Seal: Present / Not Present, Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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
laurie.woelfel@pacelabs.com
Project Manager

Enclosures

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

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

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

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: SR-14 (0-4)-101515 **Lab ID: 40122963012** Collected: 10/15/15 11:40 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	**<0.56**	mg/kg	2.0	0.56	1	10/21/15 12:31	10/27/15 13:11	7440-36-0	
Arsenic	**9.1J**	mg/kg	9.9	3.1	5	10/21/15 12:31	10/25/15 12:19	7440-38-2	D3
Barium	**53.3**	mg/kg	0.49	0.12	1	10/21/15 12:31	10/27/15 13:11	7440-39-3	
Beryllium	**0.35J**	mg/kg	0.39	0.037	1	10/21/15 12:31	10/27/15 13:11	7440-41-7	
Cadmium	**<0.065**	mg/kg	0.49	0.065	1	10/21/15 12:31	10/27/15 13:11	7440-43-9	
Calcium	**106000**	mg/kg	493	13.5	5	10/21/15 12:31	10/25/15 12:19	7440-70-2	
Chromium	**13.4**	mg/kg	0.49	0.19	1	10/21/15 12:31	10/27/15 13:11	7440-47-3	
Cobalt	**4.7**	mg/kg	0.49	0.096	1	10/21/15 12:31	10/27/15 13:11	7440-48-4	
Copper	**13.8**	mg/kg	0.99	0.15	1	10/21/15 12:31	10/27/15 13:11	7440-50-8	
Iron	**12400**	mg/kg	9.9	1.7	1	10/21/15 12:31	10/27/15 13:11	7439-89-6	
Lead	**13.9**	mg/kg	0.99	0.43	1	10/21/15 12:31	10/27/15 13:11	7439-92-1	
Magnesium	**56100**	mg/kg	493	26.8	5	10/21/15 12:31	10/25/15 12:19	7439-95-4	
Manganese	**535**	mg/kg	0.49	0.050	1	10/21/15 12:31	10/27/15 13:11	7439-96-5	
Nickel	**11.6**	mg/kg	0.99	0.13	1	10/21/15 12:31	10/27/15 13:11	7440-02-0	
Potassium	**2180**	mg/kg	98.7	8.1	1	10/21/15 12:31	10/27/15 13:11	7440-09-7	
Selenium	**<0.76**	mg/kg	2.0	0.76	1	10/21/15 12:31	10/27/15 13:11	7782-49-2	
Silver	**<0.27**	mg/kg	0.99	0.27	1	10/21/15 12:31	10/27/15 13:11	7440-22-4	
Sodium	**972**	mg/kg	98.7	3.8	1	10/21/15 12:31	10/27/15 13:11	7440-23-5	
Thallium	**<0.81**	mg/kg	3.9	0.81	1	10/21/15 12:31	10/27/15 13:11	7440-28-0	
Vanadium	**23.8**	mg/kg	0.99	0.20	1	10/21/15 12:31	10/27/15 13:11	7440-62-2	
Zinc	**37.6**	mg/kg	3.9	0.38	1	10/21/15 12:31	10/27/15 13:11	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 13:21	7440-38-2	
Barium	**0.020J**	mg/L	0.10	0.00052	1	10/27/15 09:45	10/28/15 13:21	7440-39-3	
Beryllium	**<0.00017**	mg/L	0.0010	0.00017	1	10/27/15 09:45	10/27/15 18:03	7440-41-7	
Cadmium	**<0.00056**	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/28/15 13:21	7440-43-9	
Chromium	**0.0042J**	mg/L	0.0050	0.00096	1	10/27/15 09:45	10/28/15 13:21	7440-47-3	
Cobalt	**0.0013J**	mg/L	0.0050	0.00080	1	10/27/15 09:45	10/27/15 18:03	7440-48-4	B
Copper	**0.010**	mg/L	0.010	0.00083	1	10/27/15 09:45	10/28/15 13:21	7440-50-8	B
Iron	**3.1**	mg/L	0.050	0.0090	1	10/27/15 09:45	10/28/15 13:21	7439-89-6	
Lead	**0.0062**	mg/L	0.0050	0.0019	1	10/27/15 09:45	10/27/15 18:03	7439-92-1	
Manganese	**0.058**	mg/L	0.0050	0.0024	1	10/27/15 09:45	10/27/15 18:03	7439-96-5	
Nickel	**0.0045J**	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 18:03	7440-02-0	B
Selenium	**<0.0058**	mg/L	0.015	0.0058	1	10/27/15 09:45	10/27/15 18:03	7782-49-2	
Silver	**<0.0011**	mg/L	0.0070	0.0011	1	10/27/15 09:45	10/28/15 13:21	7440-22-4	
Zinc	**0.016J**	mg/L	0.050	0.0026	1	10/27/15 09:45	10/27/15 18:03	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 17:08	7440-38-2	B
Barium	**0.61**	mg/L	0.25	0.00052	1	10/27/15 09:45	10/27/15 17:08	7440-39-3	
Beryllium	**<0.00017**	mg/L	0.0050	0.00017	1	10/27/15 09:45	10/27/15 17:08	7440-41-7	
Cadmium	**0.0044J**	mg/L	0.0050	0.00056	1	10/27/15 09:45	10/27/15 17:08	7440-43-9	B

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: SR-14 (0-4)-101515 **Lab ID: 40122963012** Collected: 10/15/15 11:40 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; 10/25/15 00:00								
Chromium	**<0.00096**	mg/L	0.010	0.00096	1	10/27/15 09:45	10/27/15 17:08	7440-47-3	
Cobalt	**0.017**	mg/L	0.010	0.00080	1	10/27/15 09:45	10/27/15 17:08	7440-48-4	
Copper	**0.011J**	mg/L	0.020	0.00083	1	10/27/15 09:45	10/28/15 12:25	7440-50-8	B
Iron	**0.031J**	mg/L	0.10	0.0090	1	10/27/15 09:45	10/28/15 12:25	7439-89-6	B
Lead	**0.0039J**	mg/L	0.050	0.0019	1	10/27/15 09:45	10/27/15 17:08	7439-92-1	
Manganese	**6.9**	mg/L	0.010	0.0024	1	10/27/15 09:45	10/27/15 17:08	7439-96-5	
Nickel	**0.021**	mg/L	0.010	0.00056	1	10/27/15 09:45	10/27/15 17:08	7440-02-0	B
Selenium	**0.011J**	mg/L	0.050	0.0058	1	10/27/15 09:45	10/27/15 17:08	7782-49-2	B
Silver	**<0.0011**	mg/L	0.010	0.0011	1	10/27/15 09:45	10/27/15 17:08	7440-22-4	
Zinc	**0.035J**	mg/L	0.25	0.0026	1	10/27/15 09:45	10/27/15 17:08	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 16:53	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 15:51	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.017**	mg/kg	0.0088	0.0024	1	10/26/15 10:45	10/26/15 17:44	7439-97-6	B
8270 MSSV FULL LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<65.7**	ug/kg	219	65.7	1	10/21/15 12:17	10/22/15 15:17	83-32-9	
Acenaphthylene	**<66.0**	ug/kg	220	66.0	1	10/21/15 12:17	10/22/15 15:17	208-96-8	
Anthracene	**<29.6**	ug/kg	98.6	29.6	1	10/21/15 12:17	10/22/15 15:17	120-12-7	
Benzo(a)anthracene	**<28.7**	ug/kg	95.6	28.7	1	10/21/15 12:17	10/22/15 15:17	56-55-3	
Benzo(a)pyrene	**31.5J**	ug/kg	92.9	27.9	1	10/21/15 12:17	10/22/15 15:17	50-32-8	
Benzo(b)fluoranthene	**48.3J**	ug/kg	106	31.8	1	10/21/15 12:17	10/22/15 15:17	205-99-2	
Benzo(g,h,i)perylene	**<48.4**	ug/kg	161	48.4	1	10/21/15 12:17	10/22/15 15:17	191-24-2	
Benzo(k)fluoranthene	**<44.3**	ug/kg	148	44.3	1	10/21/15 12:17	10/22/15 15:17	207-08-9	
4-Bromophenylphenyl ether	**<38.8**	ug/kg	129	38.8	1	10/21/15 12:17	10/22/15 15:17	101-55-3	
Butylbenzylphthalate	**<29.7**	ug/kg	99.0	29.7	1	10/21/15 12:17	10/22/15 15:17	85-68-7	
Carbazole	**<29.0**	ug/kg	96.6	29.0	1	10/21/15 12:17	10/22/15 15:17	86-74-8	
4-Chloro-3-methylphenol	**<57.6**	ug/kg	192	57.6	1	10/21/15 12:17	10/22/15 15:17	59-50-7	
4-Chloroaniline	**<30.4**	ug/kg	101	30.4	1	10/21/15 12:17	10/22/15 15:17	106-47-8	
bis(2-Chloroethoxy)methane	**<49.9**	ug/kg	166	49.9	1	10/21/15 12:17	10/22/15 15:17	111-91-1	
bis(2-Chloroethyl) ether	**<57.8**	ug/kg	193	57.8	1	10/21/15 12:17	10/22/15 15:17	111-44-4	
2-Chloronaphthalene	**<23.8**	ug/kg	79.2	23.8	1	10/21/15 12:17	10/22/15 15:17	91-58-7	
2-Chlorophenol	**<46.2**	ug/kg	154	46.2	1	10/21/15 12:17	10/22/15 15:17	95-57-8	
4-Chlorophenylphenyl ether	**<34.5**	ug/kg	115	34.5	1	10/21/15 12:17	10/22/15 15:17	7005-72-3	
Chrysene	**36.7J**	ug/kg	92.3	27.7	1	10/21/15 12:17	10/22/15 15:17	218-01-9	
Dibenz(a,h)anthracene	**<50.3**	ug/kg	168	50.3	1	10/21/15 12:17	10/22/15 15:17	53-70-3	
Dibenzofuran	**<22.4**	ug/kg	74.7	22.4	1	10/21/15 12:17	10/22/15 15:17	132-64-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: SR-14 (0-4)-101515 **Lab ID: 40122963012** Collected: 10/15/15 11:40 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								
1,2-Dichlorobenzene	**<58.2**	ug/kg	194	58.2	1	10/21/15 12:17	10/22/15 15:17	95-50-1	
1,3-Dichlorobenzene	**<25.6**	ug/kg	85.5	25.6	1	10/21/15 12:17	10/22/15 15:17	541-73-1	
1,4-Dichlorobenzene	**<25.8**	ug/kg	86.0	25.8	1	10/21/15 12:17	10/22/15 15:17	106-46-7	
3,3'-Dichlorobenzidine	**<50.2**	ug/kg	167	50.2	1	10/21/15 12:17	10/22/15 15:17	91-94-1	
2,4-Dichlorophenol	**<49.5**	ug/kg	165	49.5	1	10/21/15 12:17	10/22/15 15:17	120-83-2	
Diethylphthalate	**<30.7**	ug/kg	102	30.7	1	10/21/15 12:17	10/22/15 15:17	84-66-2	
2,4-Dimethylphenol	**<36.6**	ug/kg	122	36.6	1	10/21/15 12:17	10/22/15 15:17	105-67-9	
Dimethylphthalate	**<24.1**	ug/kg	80.3	24.1	1	10/21/15 12:17	10/22/15 15:17	131-11-3	
Di-n-butylphthalate	**<27.7**	ug/kg	92.2	27.7	1	10/21/15 12:17	10/22/15 15:17	84-74-2	
4,6-Dinitro-2-methylphenol	**<57.1**	ug/kg	190	57.1	1	10/21/15 12:17	10/22/15 15:17	534-52-1	
2,4-Dinitrophenol	**<56.4**	ug/kg	188	56.4	1	10/21/15 12:17	10/22/15 15:17	51-28-5	
2,4-Dinitrotoluene	**<26.5**	ug/kg	88.3	26.5	1	10/21/15 12:17	10/22/15 15:17	121-14-2	
2,6-Dinitrotoluene	**<35.1**	ug/kg	117	35.1	1	10/21/15 12:17	10/22/15 15:17	606-20-2	
Di-n-octylphthalate	**<41.6**	ug/kg	139	41.6	1	10/21/15 12:17	10/22/15 15:17	117-84-0	
bis(2-Ethylhexyl)phthalate	**<30.8**	ug/kg	103	30.8	1	10/21/15 12:17	10/22/15 15:17	117-81-7	
Fluoranthene	**46.6J**	ug/kg	87.3	26.2	1	10/21/15 12:17	10/22/15 15:17	206-44-0	
Fluorene	**<21.6**	ug/kg	72.1	21.6	1	10/21/15 12:17	10/22/15 15:17	86-73-7	
Hexachloro-1,3-butadiene	**<47.2**	ug/kg	157	47.2	1	10/21/15 12:17	10/22/15 15:17	87-68-3	
Hexachlorobenzene	**<31.1**	ug/kg	104	31.1	1	10/21/15 12:17	10/22/15 15:17	118-74-1	
Hexachlorocyclopentadiene	**<43.8**	ug/kg	146	43.8	1	10/21/15 12:17	10/22/15 15:17	77-47-4	
Hexachloroethane	**<29.6**	ug/kg	98.8	29.6	1	10/21/15 12:17	10/22/15 15:17	67-72-1	
Indeno(1,2,3-cd)pyrene	**<40.1**	ug/kg	134	40.1	1	10/21/15 12:17	10/22/15 15:17	193-39-5	
Isophorone	**<28.5**	ug/kg	94.9	28.5	1	10/21/15 12:17	10/22/15 15:17	78-59-1	
2-Methylnaphthalene	**<48.1**	ug/kg	160	48.1	1	10/21/15 12:17	10/22/15 15:17	91-57-6	
2-Methylphenol(o-Cresol)	**<33.6**	ug/kg	112	33.6	1	10/21/15 12:17	10/22/15 15:17	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<33.9**	ug/kg	113	33.9	1	10/21/15 12:17	10/22/15 15:17		
Naphthalene	**<64.7**	ug/kg	216	64.7	1	10/21/15 12:17	10/22/15 15:17	91-20-3	
2-Nitroaniline	**<52.8**	ug/kg	176	52.8	1	10/21/15 12:17	10/22/15 15:17	88-74-4	
3-Nitroaniline	**<31.5**	ug/kg	105	31.5	1	10/21/15 12:17	10/22/15 15:17	99-09-2	
4-Nitroaniline	**<76.8**	ug/kg	256	76.8	1	10/21/15 12:17	10/22/15 15:17	100-01-6	
Nitrobenzene	**<37.5**	ug/kg	125	37.5	1	10/21/15 12:17	10/22/15 15:17	98-95-3	
2-Nitrophenol	**<58.4**	ug/kg	195	58.4	1	10/21/15 12:17	10/22/15 15:17	88-75-5	
4-Nitrophenol	**<46.6**	ug/kg	155	46.6	1	10/21/15 12:17	10/22/15 15:17	100-02-7	
N-Nitroso-di-n-propylamine	**<29.4**	ug/kg	97.9	29.4	1	10/21/15 12:17	10/22/15 15:17	621-64-7	
N-Nitrosodiphenylamine	**<251**	ug/kg	837	251	1	10/21/15 12:17	10/22/15 15:17	86-30-6	
2,2'-Oxybis(1-chloropropane)	**<47.7**	ug/kg	159	47.7	1	10/21/15 12:17	10/22/15 15:17	108-60-1	
Pentachlorophenol	**<40.8**	ug/kg	136	40.8	1	10/21/15 12:17	10/22/15 15:17	87-86-5	
Phenanthrene	**<23.8**	ug/kg	79.2	23.8	1	10/21/15 12:17	10/22/15 15:17	85-01-8	
Phenol	**<43.9**	ug/kg	146	43.9	1	10/21/15 12:17	10/22/15 15:17	108-95-2	
Pyrene	**43.1J**	ug/kg	137	41.0	1	10/21/15 12:17	10/22/15 15:17	129-00-0	
1,2,4-Trichlorobenzene	**<20.9**	ug/kg	69.8	20.9	1	10/21/15 12:17	10/22/15 15:17	120-82-1	
2,4,5-Trichlorophenol	**<32.7**	ug/kg	109	32.7	1	10/21/15 12:17	10/22/15 15:17	95-95-4	
2,4,6-Trichlorophenol	**<28.2**	ug/kg	94.1	28.2	1	10/21/15 12:17	10/22/15 15:17	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	76	%	45-130		1	10/21/15 12:17	10/22/15 15:17	4165-60-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: SR-14 (0-4)-101515 **Lab ID: 40122963012** Collected: 10/15/15 11:40 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									
2-Fluorobiphenyl (S)	76	%	51-130		1	10/21/15 12:17	10/22/15 15:17	321-60-8	
Terphenyl-d14 (S)	80	%	37-134		1	10/21/15 12:17	10/22/15 15:17	1718-51-0	
Phenol-d6 (S)	64	%	36-130		1	10/21/15 12:17	10/22/15 15:17	13127-88-3	
2-Fluorophenol (S)	58	%	37-130		1	10/21/15 12:17	10/22/15 15:17	367-12-4	
2,4,6-Tribromophenol (S)	65	%	30-130		1	10/21/15 12:17	10/22/15 15:17	118-79-6	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Acetone	**80.8**	ug/kg	11.6	3.6	1	10/20/15 12:00	10/20/15 13:59	67-64-1	1q
Benzene	**<0.94**	ug/kg	2.9	0.94	1	10/20/15 12:00	10/20/15 13:59	71-43-2	
Bromodichloromethane	**<0.64**	ug/kg	2.9	0.64	1	10/20/15 12:00	10/20/15 13:59	75-27-4	
Bromoform	**<0.49**	ug/kg	2.9	0.49	1	10/20/15 12:00	10/20/15 13:59	75-25-2	
Bromomethane	**<0.87**	ug/kg	5.8	0.87	1	10/20/15 12:00	10/20/15 13:59	74-83-9	
2-Butanone (MEK)	**12.0**	ug/kg	11.6	1.7	1	10/20/15 12:00	10/20/15 13:59	78-93-3	
Carbon disulfide	**<0.75**	ug/kg	2.9	0.75	1	10/20/15 12:00	10/20/15 13:59	75-15-0	
Carbon tetrachloride	**<0.92**	ug/kg	2.9	0.92	1	10/20/15 12:00	10/20/15 13:59	56-23-5	
Chlorobenzene	**<0.92**	ug/kg	2.9	0.92	1	10/20/15 12:00	10/20/15 13:59	108-90-7	
Chloroethane	**<1.2**	ug/kg	2.9	1.2	1	10/20/15 12:00	10/20/15 13:59	75-00-3	
Chloroform	**<0.55**	ug/kg	2.9	0.55	1	10/20/15 12:00	10/20/15 13:59	67-66-3	
Chloromethane	**<0.33**	ug/kg	2.9	0.33	1	10/20/15 12:00	10/20/15 13:59	74-87-3	
Dibromochloromethane	**<0.99**	ug/kg	2.9	0.99	1	10/20/15 12:00	10/20/15 13:59	124-48-1	
1,1-Dichloroethane	**<1.4**	ug/kg	2.9	1.4	1	10/20/15 12:00	10/20/15 13:59	75-34-3	
1,2-Dichloroethane	**<0.57**	ug/kg	2.9	0.57	1	10/20/15 12:00	10/20/15 13:59	107-06-2	
1,1-Dichloroethene	**<1.3**	ug/kg	2.9	1.3	1	10/20/15 12:00	10/20/15 13:59	75-35-4	
cis-1,2-Dichloroethene	**<0.77**	ug/kg	2.9	0.77	1	10/20/15 12:00	10/20/15 13:59	156-59-2	
trans-1,2-Dichloroethene	**<0.72**	ug/kg	2.9	0.72	1	10/20/15 12:00	10/20/15 13:59	156-60-5	
1,2-Dichloropropane	**<0.73**	ug/kg	2.9	0.73	1	10/20/15 12:00	10/20/15 13:59	78-87-5	
cis-1,3-Dichloropropene	**<0.39**	ug/kg	2.9	0.39	1	10/20/15 12:00	10/20/15 13:59	10061-01-5	
trans-1,3-Dichloropropene	**<0.54**	ug/kg	2.9	0.54	1	10/20/15 12:00	10/20/15 13:59	10061-02-6	
Ethylbenzene	**<0.84**	ug/kg	2.9	0.84	1	10/20/15 12:00	10/20/15 13:59	100-41-4	
2-Hexanone	**<0.86**	ug/kg	2.9	0.86	1	10/20/15 12:00	10/20/15 13:59	591-78-6	
Methylene Chloride	**<1.1**	ug/kg	2.9	1.1	1	10/20/15 12:00	10/20/15 13:59	75-09-2	L3
4-Methyl-2-pentanone (MIBK)	**<0.71**	ug/kg	2.9	0.71	1	10/20/15 12:00	10/20/15 13:59	108-10-1	
Methyl-tert-butyl ether	**<0.58**	ug/kg	2.9	0.58	1	10/20/15 12:00	10/20/15 13:59	1634-04-4	
Styrene	**<0.44**	ug/kg	2.9	0.44	1	10/20/15 12:00	10/20/15 13:59	100-42-5	
1,1,2,2-Tetrachloroethane	**<1.2**	ug/kg	2.9	1.2	1	10/20/15 12:00	10/20/15 13:59	79-34-5	
Tetrachloroethene	**<0.91**	ug/kg	2.9	0.91	1	10/20/15 12:00	10/20/15 13:59	127-18-4	
Toluene	**<0.86**	ug/kg	2.9	0.86	1	10/20/15 12:00	10/20/15 13:59	108-88-3	
1,1,1-Trichloroethane	**<0.90**	ug/kg	2.9	0.90	1	10/20/15 12:00	10/20/15 13:59	71-55-6	
1,1,2-Trichloroethane	**<1.1**	ug/kg	2.9	1.1	1	10/20/15 12:00	10/20/15 13:59	79-00-5	
Trichloroethene	**<1.1**	ug/kg	2.9	1.1	1	10/20/15 12:00	10/20/15 13:59	79-01-6	
Vinyl chloride	**<0.32**	ug/kg	2.9	0.32	1	10/20/15 12:00	10/20/15 13:59	75-01-4	
Xylene (Total)	**<2.6**	ug/kg	8.7	2.6	1	10/20/15 12:00	10/20/15 13:59	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	112	%	70-130		1	10/20/15 12:00	10/20/15 13:59	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0295.020 FAI 55
Pace Project No.: 40122963

Sample: SR-14 (0-4)-101515 **Lab ID: 40122963012** Collected: 10/15/15 11:40 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
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	113	%	67-138		1	10/20/15 12:00	10/20/15 13:59	2037-26-5	
4-Bromofluorobenzene (S)	80	%	68-130		1	10/20/15 12:00	10/20/15 13:59	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.8**	%	0.10	0.10	1		10/16/15 17:31		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.73**	Std. Units	0.100	0.0100	1		10/22/15 11:05		H6

REPORT OF LABORATORY ANALYSIS

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

Pace Analytical®
www.pacelabs.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

(Please Print Clearly)	
Company Name:	EDE
Branch/Location:	
Project Contact:	Patricia/Colin
Phone:	
Project Number:	0295.020
Project Name:	FAESS
Project State:	
Sampled By (Print):	Colin Parrish
Sampled By (Sign):	
PO #:	Regulatory Program:

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

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	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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	VOCs	SVOCs	Total Metals	TCLP Metals	SPLP Metals	pH	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	VL17-1(0-5)-101515	10/15/15	0850	Soil			X	X	X	X	X	X		3-40mlv EEF 3-4oz jar	
002	VL17-1(5-9)-101515	10/15/15	0900												
003	VL17-2(0-5)-101515		0920												
004	VL17-2(5-9)-101515		0930												
005	VL17-3(0-5)-101515		0945												
006	VL17-3(5-9)-101515		0955												
007	BP16-1(0-5)-101515		1020												
008	BP16-1(0-5)-101515D		1025												
009	BP16-1(5-9)-101515		1040												
010	BP16-2(0-5)-101515		1105												
011	BP16-2(5-10)-101515		1115												
012	SR-19(0-4)-101515		1140				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:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	10/15/15 1552	Brian Krzyzanski	10/15/15 1552
Brian Krzyzanski	10/15/15 1720	CH Aycock	10/15/15
CS Logistics	10/16/15 0830	Pace Pan	10/16/15 0830

PACE Project No.

Receipt Temp = 3.0 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL